Executive Committee Agenda

April 10, 2025

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Live Verbal Public Comments: Use the 'Raise Hand' icon every time you wish to make a public comment on an item. Raise your hand once the agenda item you wish to comment on has been called. In person public comments will be taken first, virtual attendees will be taken in the order in which they raise their hand. Requests to speak will not be taken after the public comment period ends, unless under the Chair's discretion. General Public Comment, at the beginning of the Board of Directors meeting only, will be limited to five speakers. Additional speakers with general public comments will be heard at the end of the meeting. Two-minutes of time is allotted per speaker, unless otherwise directed by the Chair.

Public Comments Made Via Zoom

1. Click the link found at the top of this instruction page
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2. Type in the zoom meeting ID found in the link and press #
3. Dial *9 to raise your hand via phone
4. The Clerk will call out the last 4 digits of your phone number to announce you are next to speak
5. Dial *6 to unmute yourself

Written Public Comments (before the meeting): Written public comments will be recorded in the public record and will be provided to MTS Board Members in advance of the meeting. Comments must be emailed or mailed to the Clerk of the Board* by 4:00pm the day prior to the meeting.

Translation Services: Requests for translation services can be made by contacting the Clerk of the Board* at least four working days in advance of the meeting.

In-Person Participation: In-person public comments will be heard first. Following in-person public comments, virtual attendees will be heard in the order in which they raise their hand via the Zoom platform. Speaking time will be limited to two minutes per person, unless specified by the Chairperson. Requests to speak will not be taken after the public comment period ends, unless under the Chair's discretion.

Instructions for providing in-person public comments:

1. Fill out a speaker slip located at the entrance of the Board Room;
2. Submit speaker slip to MTS staff seated at the entrance of the Board Room;
3. When your name is announced, please approach the podium located on the right side of the dais to make your public comments.

Members of the public are permitted to make general public comment at the beginning of the agenda or specific comments referencing items on the agenda during the public comment period. General Public Comment, at the beginning of the Board of Directors meeting only, will be limited to five speakers. Additional speakers with general public comments will be heard at the end of the meeting.

Assistive Listening Devices (ALDs): ALDs are available from the Clerk of the Board* prior to the meeting and are to be returned at the end of the meeting.

Reasonable Accommodations: As required by the Americans with Disabilities Act (ADA), requests for agenda information in an alternative format or to request reasonable accommodations to facilitate meeting participation, please contact the Clerk of the Board* at least two working days prior to the meeting.

***Contact Information:** Contact the Clerk of the Board via email at ClerkoftheBoard@sdmts.com, phone at **(619) 398-9561** or by mail at **1255 Imperial Ave. Suite 1000, San Diego CA 92101.**

Agenda del Comité Ejecutivo

10 de abril de 2025

Haga clic en el enlace para acceder a la reunión:

https://www.zoomgov.com/j/1619530340

ID de la reunión en Zoom

Formas de Participar

Computadora: Haga clic en el enlace más arriba. Recibirá instrucciones para operar el navegador de Zoom o la aplicación de Zoom. Una vez que haya iniciado sesión en la reunión, tendrá la opción de participar usando el sistema de audio de su computadora o teléfono.

Funciones del Seminario En Línea:

	▶	Use la herramienta de **levantar la mano** cada vez que desee hacer un comentario público.
	▶	Los participantes pueden habilitar **el subtitulado** haciendo clic en el ícono CC. También puede ver la transcripción completa y cambiar el tamaño de letra haciendo clic en “configuración de subtítulos”. Estas herramientas no están disponibles por teléfono.
	▶	Este símbolo indica que usted se encuentra en **silencio**, haga clic en este ícono para quitar el silenciador de su micrófono.
	▶	Este símbolo indica que su micrófono se encuentra **encendido**. Haga clic en este símbolo para silenciar su micrófono.
	▶	La herramienta de chat deben usarla los panelistas y asistentes únicamente para asuntos “pertinentes a la reunión”, ya que comentarios realizados a través de esta herramienta no se conservarán como parte del registro de la reunión. Consulte el **Comentario público verbal** en vivo para obtener instrucciones sobre cómo hacer un comentario público.

Teléfono Inteligente o Tableta: Descargue la aplicación de Zoom y participe en la reunión haciendo clic en el enlace o usando el ID del seminario web (que se encuentra en el enlace).

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Teléfono:

1. Si está participando en la reunión mediante audio de su teléfono y viendo la reunión en un dispositivo, marque el número indicado en la pestaña de llamada telefónica “unirse por audio” en la ventana emergente inicial e ingrese el ID de la reunión (que se encuentra en el enlace).
2. Si está participando solo por teléfono, marque: **+1-669-900-9128** o **+1-253-215-8782** e ingrese el ID de la reunión que se encuentra en el enlace, pulse #. Tendrá acceso al audio de la reunión, **pero NO podrá ver las presentaciones en PowerPoint.**

Comentarios Públicos Verbales en Vivo: Use la herramienta “levantar la mano” cada vez que desee hacer un comentario público sobre alguno de los artículos. Levante la mano una vez que el artículo de la agenda sobre el que desea comentar haya sido convocado. Los comentarios públicos en persona se escucharán primero, se escuchará a los asistentes virtuales en el orden en el que levanten la mano. No se aceptarán solicitudes para hablar después de que termine el periodo para hacer comentarios públicos, a menos de que el presidente determine de otra forma a su discreción. Comentarios públicos generales, únicamente al inicio de la reunión de la Junta de Directores, se limitarán a cinco personas que deseen hablar. Las personas adicionales que deseen aportar comentarios públicos generales podrán hacerlo al final de la reunión. Se otorga dos minutos de tiempo por persona que desee hablar, a menos de que el presidente instruya de otra forma. (*Consulte la página 2 para obtener instrucciones sobre cómo hacer un comentario público.*)

Comentarios Públicos a Través de Zoom

1. Haga clic en el enlace que se encuentra en la parte superior de esta página de instrucciones
2. Haga clic en el ícono de levantar la mano en el centro inferior de la plataforma
3. El secretario anunciará su nombre cuando sea su turno de hablar
4. Desactive el silenciador para que pueda hablar

Comentarios Públicos Realizados Únicamente por Teléfono

1. Marque el **+1-669-900-9128**
2. Ingrese el ID de la reunión en Zoom que se encuentra en el enlace y pulse #
3. Marque *9 para levantar la mano por teléfono
4. El secretario indicará los últimos 4 dígitos de su número de teléfono para anunciar que usted será el siguiente en hablar
5. Marque *6 para desactivar el silenciador



Comentarios Públicos por Escrito (Antes de la Reunión): Los comentarios públicos por escrito se registrarán en el registro público y se entregarán a los miembros de la Junta de MTS antes de la reunión. Los comentarios deben enviarse por correo electrónico o postal al secretario de la Junta* antes de las 4:00 p.m. el día anterior a la reunión.



Servicios de Traducción: Pueden solicitarse servicios de traducción comunicándose con el secretario de la Junta* por lo menos cuatro días hábiles antes de la reunión.



Participación en Persona: Los comentarios públicos en persona se escucharán primero. Después de los comentarios públicos en persona, se escuchará a los asistentes virtuales en el orden en el que levanten la mano a través de la plataforma de Zoom. El tiempo para hablar se limitará a dos minutos por persona, a menos de que el presidente especifique de otra forma. No se recibirán solicitudes para hablar después de que termine el periodo para hacer comentarios públicos, a menos de que el presidente determine de otra forma a su discreción.

Instrucciones para brindar comentarios públicos en persona:

1. Llene la boleta para personas que desean hablar que se encuentran en la entrada de la Sala de la Junta.
2. Entregue la boleta para personas que desean hablar al personal de MTS que se encuentra sentado en la entrada de la Sala de la Junta.
3. Cuando anuncien su nombre, por favor, acérquese al podio ubicado en el lado derecho de la tarima para hacer sus comentarios públicos.

Los miembros del público pueden hacer comentarios públicos generales al inicio de la agenda o comentarios específicos que hagan referencia a los puntos de la agenda durante el periodo de comentarios públicos. Los comentarios públicos generales únicamente al inicio de la reunión de la Junta de Directores, se limitarán a cinco personas que deseen hablar. Las personas adicionales que deseen aportar comentarios públicos generales podrán hacerlo al final de la reunión.



Dispositivos de Asistencia Auditiva (ALD, por sus siglas en inglés): Los ALD están disponibles con el secretario de la Junta* antes de la reunión y estos deberán ser devueltos al final de la reunión.



Facilidades Razonables: Según lo requerido por la Ley de Estadounidenses con Discapacidades (ADA, por sus siglas en inglés), para presentar solicitudes de información de la agenda en un formato alternativo o solicitar facilidades razonables para facilitar su participación en la reunión, por favor, comuníquese con el secretario de la Junta* por lo menos dos días hábiles antes de la reunión.



***Información de Contacto:** Comuníquese con el secretario de la Junta por correo electrónico en ClerkoftheBoard@sdmts.com, por teléfono al **(619) 398-9561** o por correo postal en **1255 Imperial Ave. Suite 1000, San Diego CA 92101.**

Metropolitan Transit System

Executive Committee

Agenda

April 10, 2025 at 9:00 a.m.

In-Person Participation: James R. Mills Building, 1255 Imperial Avenue, 10th Floor Board Room, San Diego CA 92101

Teleconference Participation: (669) 254-5252; Webinar ID: 161 953 0340, https://www.zoomgov.com/j/1619530340

NO.	ITEM SUBJECT AND DESCRIPTION	ACTION
1.	**Roll Call**	
2.	**Public Comments** This item has a two minute per speaker time limit. If you have a report to present, please give your copies to the Clerk of the Board.	
3.	**Approval of Minutes** Action would approve the March 6, 2025 Executive Committee meeting Minutes.	Approve
	DISCUSSION ITEMS	
4.	**Fiscal Year (FY) 2026 Operating Budget Discussion (Gordon Meyer)**	Informational
5.	**Real Estate and Joint Development Program Status Update (Sean Myott and Karen Landers)**	Informational
6.	**Assembly Bill (AB) 1070 *Transit districts: governing boards: compensation: nonvoting members* (Sharon Cooney)**	Informational
	OTHER ITEMS	
7.	**Review of Draft April 17, 2025 MTS Board Agenda**	
8.	**Staff Communications and Committee Member Communications**	
9.	**Next Meeting Date: May 8, 2025**	
10.	**Adjournment**	

MINUTES

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM

EXECUTIVE COMMITTEE

March 6, 2025

[Clerk's note: Except where noted, public, staff and board member comments are paraphrased. The full comment can be heard by reviewing the recording at the MTS website.]

1. Roll Call

Chair Whitburn called the Executive Committee meeting to order at 9:02 a.m. A roll call sheet listing Executive Committee member attendance is attached as Attachment A.

2. Public Comment

Karely Serrano – Representing Mid-City CAN made a verbal statement to the Board during the meeting. Serrano expressed concerns from parents and school officials about the difficult PRONTO youth verification process. Serrano urged the Board to consider a simpler process at the next meeting.

3. Approval of Minutes

Board Member Fernandez moved to approve the minutes of the February 6, 2025, MTS Executive Committee meeting. Board Member Hall seconded the motion, and the vote was 5 to 0 in favor with Board Member Montgomery Steppe and Board Member Elo-Rivera absent.

DISCUSSION ITEMS

4. Orange Line Improvement Project Update (Heather Furey; and Consultant T.Y. Lin)

Heather Furey, MTS Director of Capital Projects, and Davis Holman with T.Y. Lin, presented on the Orange Line improvement project update. They provided details on: project summary, schedule and project updates, project funding, solicitation process, construction contract, other orange line project and next steps

Public Comment

There were no Public Comments.

Committee Comment

Vice Chair Goble began by referring to slide 11, noting that two years ago, the project was 30% complete. Now, two years later, it's at 80% completion, with costs only increasing by $9 million, approximately a 20% rise from the original estimate. Vice Chair Goble emphasized that it's rare to see a project with such a modest increase in cost and praised the progress as good news. Ms. Furey clarified that the cost increase was $12 million, not $9 million. She explained that $9 million of the increase was due to the escalation in construction costs, as reflected in California's construction index. She also mentioned that the pre-purchasing of materials helped avoid cuts, and the competitive bidding process resulted in the winning bidder being $1 million under the independent cost estimate. She assured that no design cuts were made. Vice Chair Goble acknowledged the good news of the modest cost increase and that no cuts were made in design or features. He noted the impressive accuracy in predicting material and labor costs and praised the project's management, suggesting that it would be helpful for the Board to be informed that no sacrifices were made in the project's features or design.

Board Member Fernandez asked about the wide variance in cost between the lowest and highest bids, particularly since the highest bid was nearly double the lowest one. He wanted to

understand what factors contributed to this difference. Ms. Furey explained that, based on feedback from the construction community, the wide variance in bids was primarily due to differing estimates about the amount of time required to work without trains operating. One of the biggest cost drivers was a very conservative estimate of two hours of work per night, compared to a more realistic estimate from a company with more experience working with the agency, which expected to get work done on half-hour headways before the full shutdown of the evening.

Board Member Dillard inquired about a specific issue on page 17 regarding the VMS signs. She mentioned receiving inquiries from citizens who were unable to see the trolley arrival times on the signs, which they were accustomed to. Board Member Dillard asked whether there was a way to display some temporary information on the screens to indicate that the issue was being worked on, as people were concerned about when it would be fixed. Ms. Furey acknowledged the issue and explained that there had been glitches with the software that publishes information on the new signs. She assured Board Member Dillard that they were working through these issues and would collaborate with the Marketing team to ensure the right messaging was being communicated. Ms. Furey confirmed that the full installation should be completed by May and expressed hope that the problem would be resolved by then, appreciating the feedback provided.

Action Taken

No action taken. Informational item only.

5. Fiscal Year (FY) 2026 Capital Improvement Program (CIP) (Mike Thompson)

Mike Thompson, MTS Deputy Chief Financial Officer, presented on FY 2026 CIP. He outlined the following information: capital funding levels - proposed FY 2026, guiding principles, Development of the FY 2026 CIP, unconstrained project list, capital project summary proposed Fiscal Year 2026, FY 2026 CIP project highlights: bus revenue vehicles, rail revenue vehicles, FY 2026 CIP – facility & construction projects, rail infrastructure projects, other equipment & installation projects, five-year forecast – SGR, other initiatives, five-year summary and staff's recommendation.

Public Comment

There were no Public Comments.

Committee Comment

Board Member Elo-Rivera asked for clarification regarding the breakdown of funding sources. He noted that while the funding sources were listed, he did not see a clear explanation of the mix of funding for each project, especially when there was a deficit that MTS needed to fill. He asked whether any of these projects had general fund allocations. Mr. Thompson responded that no general fund money was being used to fill project gaps. He explained that the agency starts with a formula for sharing funds between operations and capital and then builds from available capital funding. He clarified that certain funding sources, like federal and TDA, have fewer restrictions, while specific grants for projects, such as the Orange Line Improvement Project, must be used for their designated purpose. Ms. Cooney added that there are restrictions with general funding, where allocations cannot be spent entirely on operations, only preventative maintenance. Board Member Elo-Rivera expressed that it would be helpful to understand the mix of funding sources for each project and how decisions are made regarding which projects are chosen. He emphasized that it would be useful to distinguish between

projects funded by competitive grants versus those funded through discretionary choices. He also asked for clarification on which projects were not specifically grant-funded but were prioritized by the agency. Ms. Cooney acknowledged Board Member Elo-Rivera's request and explained that some grants are very specific, such as a mural project in Chula Vista, which was funded based on the agency's own initiatives rather than a state of good repair need. She assured that they could provide more clarity on which projects were funded through competitive versus discretionary grants and would work to break this down for the Board.

Board Member Elo-Rivera then asked about the Stadium Station Platform project, which had been listed as unfunded for FY 2026, and requested clarification on what that meant. He asked if this indicated that the work would not happen or if the project was just deferred due to lack of funding. Mr. Thompson explained that the Stadium Station Platform project had been submitted but deferred due to insufficient funding. Ms. Furey provided additional details about the project, mentioning that the platform, which used a lightweight concrete product called lithocrete, had been cracking over time due to vibrations from the station structure. The project to replace it had been delayed, but they were also exploring alternative materials that might perform better in that environment. Board Member Elo-Rivera asked about the maintenance frequency. Ms. Furey replied that at a minimum there has been one replacement in the past 10 years.

Board Member Elo-Rivera then followed up by asking about the potential for a digital billboard at the Stadium Station to help fund improvements and upkeep. He suggested that with the stadium becoming a busier area, this could be a viable option for generating revenue. Karen Landers, MTS General Counsel, responded that while the idea of a digital billboard had been considered, there were legal issues to investigate regarding the agency's rights to place a billboard at the stadium. She agreed to work with staff to clarify the legal aspects and see if this opportunity could be pursued.

Board Member Elo-Rivera raised a final question about the transit amenities, noting that he could not see a clear breakdown of specific improvements in the documents. He asked for a list of these amenities to help the Board make more informed decisions when allocating funds to these projects. Ms. Cooney explained that a transit amenities study was ongoing and that the listed amount in the documents was a placeholder for funding projects once the board approves the amenities policy. She clarified that, similar to the previous SELT process, this would allow the agency to begin funding projects immediately once the policy was in place, though a clearer list of amenities would be provided once the policy was finalized. Board Member Elo-Rivera expressed the need for a clear list of amenities to help the Board make informed decisions on funding allocations, as the current lack of clarity made the process feel vague. He acknowledged that this issue wouldn't be resolved immediately but emphasized its importance for future decision-making.

Board Member Fernandez sought clarification on the federal funding, asking if it could be confirmed with certainty that funds had been awarded and would be disbursed. Ms. Cooney replied that she could not provide certainty because transit agencies have not received guidance from the Department of Transportation. Board Member Fernandez asked staff to include that detail in the upcoming Board presentation.

Vice Chair Goble asked for clarification on the bus procurement plan, specifically how much of the $54 million in FY 26 was allocated for CNG buses and how much for ZEBs. He noted that the $54 million seemed to cover CNG procurements for FY 26. Mr. Thompson confirmed. Vice Chair Goble questioned whether future years were placeholders due to uncertainties around credits and rules. Mr. Thompson explained that the decisions for future years were made on a

year-by-year basis, with plans being formed as new information about credits and regulations became available. The amounts for future years were placeholders to reflect the anticipated need for a large sum of money for procurement. Vice Chair Goble then asked if the dollar amounts were based on a worst-case scenario, assuming each ZEB cost $1.2 million, and inquired if the budget was averaged across the years. Mr. Thompson informed that the figures were smoothed out, with some carryover funds expected from the previous fiscal year, making the average cost of each bus around $1 million. Vice Chair Goble also inquired about the electrical charging infrastructure required for the electric buses. He clarified that the assumption was the buses would be electric, and the necessary infrastructure would need to be in place before further electric bus purchases could be made. Mr. Thompson confirmed that the fleet plan was based on a requirement to purchase 50% electric buses starting the following year, though adjustments could be made as needed.

Board Member Hall began by asking about the progress of other state agencies in transitioning to electric buses, particularly regarding the 50% requirement for future purchases. He noted that the challenge was financial, as larger agencies like those in Orange County and Oakland were already pushing back, stating they could not afford the transition. Mike Wygant, Chief Operating Officer for San Diego Transit (bus division), responded by explaining that, as part of a statewide task force, he had been in discussions with the California Air Resources Board (CARB) about the difficulties agencies face. He mentioned that the technology for electric buses was available but costly, and that some agencies were struggling to meet the new regulations, with some even considering reducing service to continue the transition.

Board Member Hall further inquired about the 12-year service life limit for buses and what would happen if buses were kept for 14 or 15 years. He wanted to understand the implications of extending the life of the buses beyond the prescribed limit. Mr. Wygant explained that any vehicle receiving federal funding was required to pass a certification process, called Altuna, which ensured that it would meet a minimum service life, typically 12 years or 500,000 miles. He also noted that the agency had kept buses past their useful life in the past, which resulted in higher maintenance costs and a decrease in service reliability, especially for the larger 60-foot buses. Ms. Cooney asked about the requirement to replace CNG tanks after a certain number of years. Mr. Wygant clarified that while earlier CNG tanks had a 12-year lifespan, current tanks were certified for 20 years. He pointed out that running a bus for 20 years, especially under MTS's heavy-duty cycle, would significantly impact maintenance and operational costs. Board Member Hall concluded by emphasizing his concern about balancing the budget. He expressed a preference for extending the life of buses rather than cutting service, given the financial constraints, and reiterated his frustration over the lack of available funding for the needed transition to zero emission vehicles.

Vice Chair Goble asked about the lifespan of the batteries in the ZEBs, specifically inquiring whether the batteries would last for 12 years or if additional costs would be required for replacements. He noted that the buses had been in service since 2019 and wanted to understand the longevity of the batteries. Mr. Wygant responded that after six years of service and less than 200,000 miles on the buses, the battery degradation had been minimal. He explained that the industry expected the batteries to lose performance after 12 years, and at that point, the agency would need to decide whether to replace the batteries or reassign the buses to routes that required less range. Vice Chair Goble asked for clarification on the warranty period for the batteries. Mr. Wygant clarified that the warranty for the batteries typically lasted five years, although there might be some variation depending on the specific components of the propulsion system.

Chair Whitburn asked for a reminder on when the results or recommendations from the transit amenities study would be available. Ms. Cooney stated that a grant is being pursued for the study. The award of the study contract was expected in the fall of 2025. She stated that it would not be a lengthy study and mentioned that the Board would select the consultant for the project once it was ready. Chair Whitburn expressed appreciation for the digital advertising efforts finding them effective and useful.

Action Taken

Chair Whitburn moved to forward a recommendation to the MTS Board of Directors to: 1) Approve the FY 2026 CIP with the estimated federal and non-federal funding levels (Attachments A and B). As the federal appropriation figures are finalized and/or other project funding sources become available, allow the Chief Executive Officer (CEO) to identify and adjust projects for the adjusted funding levels; and 2) Recommend that the San Diego Association of Governments (SANDAG) Board of Directors approve the submittal of Federal Section 5307, 5337, and 5339 applications for the MTS FY 2026 CIP; and 3) Recommend that the SANDAG Board of Directors approve amendment number 5 of the 2025 Regional Transportation Improvement Program (RTIP) in accordance with the FY 2026 CIP recommendations. Board Member Elo-Rivera seconded the motion, and the vote was 6 to 0 in favor with Board Member Montgomery Steppe absent.

6. Fiscal Year (FY) 2025 Operating Budget Midyear Amendment (Gordon Meyer)

Gordon Meyer, MTS Manager of Financial Planning, presented on FY 2025 Operating Budget Midyear Amendment. He outlined: revenue assumptions: levels, revenue, other revenue, federal revenues, sales tax revenues, State Transit Assistance (STA), Senate Bill (SB) 125, revenue summary, expense assumptions – personnel, expense assumptions - outside services, expense assumptions – energy, expense assumptions – other, expenses summary, consolidated revenues less expenses, budget development calendar and staff’s recommendation.

Public Comment

There were no Public Comments.

Committee Comment

Vice Chair Goble referenced slide number 3 and asked about the fare enforcement changes that began on February 1 and the estimated 11 cents increase per passenger related to the fare. He wanted to know the breakdown between passengers who had funds loaded onto their PRONTO cards and those who had to buy tickets. Ms. Landers explained that while there wasn't enough data to be very specific, staff had noticed an increase in fare payments since the February 1 deadline. More people were tapping before boarding, which resulted in an extra $20,000 a day in revenue, though this had slightly decreased over time. She added that 6% of tickets issued in the first two weeks had already been paid, had one-time waivers requested, or were under appeal. She emphasized that the goal of fare enforcement was not to generate revenue from fines but to encourage passengers to pay before boarding. Vice Chair Goble clarified that if people had funds loaded but weren't tapping their cards, that represented a different situation than those who couldn’t afford the fare at all. He emphasized the importance of understanding the dynamics behind the enforcement. Ms. Cooney confirmed that enforcement mainly occurred on the trolley, where there had been a significant increase in people purchasing one-way paper tickets. Mr. Thompson stated that they could track whether the PRONTO cards had funds but had not been tapped, which would offer further insights into

the issue. Vice Chair Goble noted the philosophical policy implications of fare enforcement, asking for a breakdown of how many riders were economically challenged and how many simply hadn't tapped their cards, as this was an important distinction. Mr. Thompson mentioned that the 11-cent increase was based on just a few weeks of data, and more accurate figures would be available after a full 120-day period. Ms. Landers added that trends of 6 months or more would create a better analysis narrative. Vice Chair Goble agreed that waiting for a few months to gather more data would be ideal.

Vice Chair Goble then moved on to slide 13, asking about the wages and hiring targets, especially regarding the challenge of filling positions. Mr. Meyer explained that there was no significant issue with filling operator positions and that recent driver classes had around 35 participants. He mentioned the $2 per hour wage increase for operators a couple of years ago, as well as recent wage adjustments, and indicated that they had not encountered major challenges in attracting applicants since then. Vice Chair Goble expressed relief that hiring issues were not a concern. He asked for a long-range outlook on wages, to determine if the agency was competitive in the market or needed to continue raising wages.

Vice Chair Goble referenced slide 16 and asked why sums under Other Services were expensed and not part of a capital program. Mr. Meyer explained that certain expenses, such as maintenance and replacement of CCTV cameras, were now categorized as operating expenses rather than capitalized costs because they didn't result in new assets. He clarified that this shift had been happening over the past few years to better align with accounting standards.

Chair Whitburn commended staff's expense projection and noted that the expense projection was accurate. He noted that factors under the agency's control, such as ridership, revenue, and digital advertising, performed well. He did note that sales tax revenue, which is outside the agency's control, posed challenges. Ms. Cooney asked the Committee about their preferred level of detail that staff should use for the Board presentation on the FY25 operating budget. The Committee instructed staff to simplify the information for the Board presentation.

Action Taken

Chair Whitburn moved to forward a recommendation to the MTS Board of Directors to enact Resolution No. 25-01 amending the FY 2025 operating budget for MTS, San Diego Transit Corporation (SDTC), San Diego Trolley, Inc. (SDTI), MTS Contract Services, and the Coronado Ferry. Vice Chair Goble seconded the motion, and the vote was 5 to 0 in favor with Board Member Montgomery Steppe and Board Member Dillard absent.

7. Comprehensive Operational Analysis (COA) Scope of Work & Selection Process

(Brent Boyd and Brianda Diaz)

Brent Boyd, MTS Director of Planning and Scheduling, and Brianda Diaz, MTS Procurement Specialist, presented on the COA Scope of Work & Selection Process. They outlined: the project management, scope of work, task 1 through 5, consultant selection process, consultant selection schedule and the overall COA timeline.

Public Comment

There were no Public Comments.

Committee Comment

Chair Whitburn asked staff to include prepared material deliverables to present to the Ad Hoc committee. Mr. Boyd confirmed they will plan for those presentations.

Board Member Elo-Rivera inquired about how the analysis would be presented to the Board, stressing the importance of addressing the human impacts of any proposed changes, which he felt wasn't explicitly mentioned. He also asked about exploring potential revenue opportunities through tourist-specific service routes, given the region's popularity with tourists. He wondered if MTS could leverage its position as a tourist destination to help supplement its budget and better serve San Diego residents. Board Member Elo-Rivera further clarified that he was interested in whether MTS could compete with for-profit companies running similar routes. He acknowledged that there were regulations around charter services but suggested that MTS could explore running specific routes with higher fares for tourists. He emphasized that this would not only benefit tourists but also bring revenue back to MTS, potentially improving services for residents.

Ms. Cooney stated that the agency incorporates all ridership in its assessment, whether it's tourist-driven or specific to certain industries like NASCO. This will be considered as we analyze the segmentation of each route. For example, we'll examine routes like the 992, which serves both airport employees and tourists. Staff also considered beach routes, where we increased service in the summer due to the influx of people. Board Member Elo-Rivera clarified that he was asking if MTS could potentially compete with for-profit companies running tourist transport services. He wanted to know if MTS could operate similar routes for profit, rather than just subsidizing routes for tourists. Ms. Landers clarified that federal rules prevent MTS from running one-time trips or charter services, as these were the domain of private companies. MTS could operate fixed-route services, but these would have to be more expensive and not part of the regional transit pass system. While staff could explore this, it would be difficult to avoid directly competing with private businesses.

Board Member Elo-Rivera followed up by asking if higher-cost routes could be designed separately from the regular fare system and specifically targeted at tourists, without competing with private companies. Ms. Cooney confirmed that higher-cost routes for tourists could be designed separately from the regular fare system. However, it was a complex issue. They would have to ensure that these routes didn't compete with private companies, and it was crucial to avoid draining MTS resources while ensuring profitability. Board Member Elo-Rivera agreed and clarified that his main point was whether MTS could replicate routes already being run profitably by private companies. If this was possible, MTS could profit and use that revenue to benefit the general fund and improve services for riders. He recognized it was theoretical but wanted to ensure they were considering ways to leverage tourism for the benefit of San Diego residents. Ms. Landers responded by stating that there was no need to make changes to the COA scope to explore this idea. They could research models from other areas to see if any were relevant, and staff could separately investigate it alongside the current analysis. Mr. Boyd stated that tourism was part of a major market that the agency would serve. Board Member Elo-Rivera understood the response and reiterated that he the goal was to ensure tourists used MTS, benefiting residents, but without subsidizing routes just for tourists.

Board Member Hall rephrased Board Member Elo-Rivera's suggestion and thought that MTS might need a rapid bus service from downtown to major tourist spots like SeaWorld or the zoo. These routes could serve tourists while benefiting the broader community.

Board Member Elo-Rivera confirmed that the idea was to replicate profitable routes run by private companies. If MTS could run those routes, it could generate revenue to support the general fund and improve services for riders. He asked staff to create an analysis so the Board could better understand the viability.

Vice Chair Goble asked if the operational analysis included any aspirational elements, such as opportunities MTS might not currently be taking advantage of. He referred to slide 7, specifically the second bullet point about assessing existing and future transit demand and travel patterns for each market. He inquired whether the analysis considered military transportation needs, sharing that he had toured all the military installations in the county the previous year. Vice Chair Goble highlighted that people at Point Loma were interested in seeing ferry service return, and that approximately 20,000 people entered through the front gate at 32nd Street. His question was whether military transit demand could be considered in the aspirational analysis for future service expansion. Mr. Boyd confirmed that aspirational elements would be part of the analysis, particularly in Task 4, where additional funding could be used to expand services. Task 1, however, was focused on evaluating current services, identifying gaps, and gathering information. Mr. Boyd acknowledged that increasing service to military bases and studying related travel patterns would be an opportunity for future exploration. Vice Chair Goble also suggested contacting the SANDAG military working group, which coordinates the military installations, as they have a liaison who could facilitate discussions on transit needs for the military. Mr. Boyd added that they had recently met with the Navy to discuss their downtown headquarters and return-to-work plans, and that MTS was already working with military groups on various transit-related matters. Vice Chair Goble thanked staff for their response and appreciated the ongoing collaboration with military groups regarding transit solutions.

Board Member Elo-Rivera suggested that a ferry service from the airport to the new Gaylord Resort in Chula Vista, with a stop at the Rady Shell, could appeal to tourists and generate revenue for MTS. Ms. Cooney explained that the ferry concept was part of the Elevate 2020 plan and would be revisited in Task 3. She agreed it could serve both residents and tourists while offering potential revenue for MTS. Ms. Cooney shared an example of a shuttle system in Washington D.C. and noted that the San Diego Bay had been underutilized for public transportation despite its potential.

Action Taken

No action taken. Informational item only.

OTHER ITEMS

8. Review of Draft March 13, 2025 Board Agenda

Recommended Consent Items

3. Approval of Minutes
Action would approve the February 13, 2025 Board of Director meeting minutes.

4. CEO Report

5. **Kearny Mesa Transit Center – Property Purchase**
   Agenda Item will be provided prior to Board Meeting.

6. **Orange Line Variable Message Signs (VMS) Replacements – Contract Amendment**
   Action would authorize the Chief Executive Officer (CEO) to: 1) Approve up to $150,000 contingency for future contract change orders to ensure construction progresses to completion without delay, under MTS Doc. No. PWL393.0-24, with Balfour Beatty Infrastructure, Inc. (Balfour Beatty), for Orange Line VMS replacements; and 2) Ratify PWL393.1-24, with Balfour Beatty, for Orange Line VMS replacements in the amount of $54,006.73 to add a 1 double sided VMS for the new Copper Line, add a media converter to each VMS sign, and include VMS signs for the Green Line Platform at the 12th and Imperial Transit Center; and 3) Ratify PWL393.2-24, with Balfour Beatty, for Orange Line VMS replacements in the amount of $87,089.87 to rewire power and data for Closed Circuit Television (CCTV) systems located on existing VMS poles. The change order provides funding for modifications to up to 30 CCTV installations.

7. **Orange Line (OL) Phase 1 Construction – Contract Award**
   Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWL409.0-25, to Stacy and Witbeck, Inc. (Stacy and Witbeck), for the OL Phase 1 Construction in the amount of $26,890,732.50 plus 10% contingency.

8. **Pyramid Building Improvements – Work Order Agreement**
   Action would authorize the Chief Executive Officer (CEO) to execute Work Order No. WOA352-AE-27 to MTS Doc No. PWL352.0-22, with HDR Engineering, Inc. (HDR), in the amount of $329,608.51 for the Pyramid Building Improvements design project.

9. **Board Policy No. 59, "Natural Gas and Energy Commodity Hedge Policy" – Policy Revisions**
   Action would approve the proposed revisions to MTS Board Policy No. 59, "Natural Gas and Energy Commodity Hedge Policy".

10. **Purchase of Class A, B, and Z1 Paratransit Vehicles – Contract Award**
    Action would authorize the Chief Executive Officer (CEO) to execute: 1) MTS Doc. B0775.0-25, with Model 1 Commercial Vehicles, Inc. for the purchase of two (2) battery powered Class Z1 Paratransit Vehicles in the amount of $291,539.60. 2) MTS Doc. B0776.0-25, with Model 1 Commercial Vehicles, Inc. for the purchase of ten (10) propane powered Class B Paratransit Vehicles in the amount of $2,112,034.50. 3) MTS Doc. B0777.0-25, with Model 1 Commercial Vehicles, Inc. for the purchase of twenty (20) gas powered Class A Paratransit Vehicles in the amount of $3,167,236.35.

11. **Investment Report – Quarter Ending December 31, 2024**

12. **12th and Imperial Transit Center Rehabilitation Design Amendment 1 – Work Order Amendment**
    Action would authorize the Chief Executive Officer (CEO) to execute Work Order WOA353-AE-08.01 under MTS Doc No. PWL353.0-22, with Dokken Engineering (Dokken), in the amount of $435,963.92, to provide 30% engineering design services for the 12th and Imperial Transit Center Rehabilitation Design (Amendment 1 to Work Order).

13. **Fire Extinguisher Maintenance and As-Needed Repairs – Contract Award**
Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWG428.0-25, to Fire Technology and Solutions, for the provision of fire extinguisher maintenance and as needed repair services for a period of five (5) years in the amount of $156,485.24.

14. **On-Call Job Order Contracting (JOC) Railroad Construction Services – Contract Amendment**
Action would authorize the Chief Executive Officer (CEO) to execute Amendment No. 4 MTS Doc. No. PWG348.4-22 with Veterans Engineering Services, Inc., (Veterans), a Disabled Veterans Business Enterprise (DVBE), for an increase in capacity to the Railroad Construction Services JOC in the amount of $4,800,000.00.

15. **Broadway & C Street Wheel Counter and Signal Replacement – Contract Award**
Action would authorize the Chief Executive Officer (CEO) to execute contract MTS Doc No. PWL394.0-24, with Modern Railway Systems, Inc., in the amount of $673,396.00 for the replacement of the existing wheel counters and signaling systems located at Broadway and C Street.

16. **Modernization of Stadium Trolley Station Elevator – Change Order**
Action would authorize the Chief Executive Officer (CEO) to: 1) Ratify Contract Change Order (CCO) 01 under MTS Doc No. PWG347.0-22 to Work Order MTSJOC347-21.01, with ABC General Contracting Inc. (ABCGC), in the amount of $149,867.29 for the additional cost to install a Sapphire Novec Fire Suppression System in the elevator control room at the Stadium Trolley Station; and 2) Authorize the Chief Executive Officer (CEO) to approve CCO 02 under MTS Doc No. PWG347.0-22, to Work Order MTSJOC347-21.02, with ABCGC, in the amount of $144,022.59 to provide additional elevator revisions and smoke dampers as required by the State Fire Marshal.

17. **Light Rail Vehicle (LRV) Accident Repair Services - Contract Award**
Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. L1693.0-25 with Carlos Guzman, Inc. (CG, Inc.), a Disadvantaged Business Enterprise (DBE), for the provision of LRV accident repair services, for five (5) years, in the amount of $28,998,544.20.

18. **Purchase of 24 Class C Propane Powered Medium Duty Mini Buses – Contract Amendment**
Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. B0744.1-22 with Model 1 Commercial Vehicles, Inc. (Model 1) in the amount of $153,763.20 to change the seating on twenty-four (24) Class C Propane Powered Medium Duty Mini Buses.

19. **Elevator Maintenance at San Diego State University Transit Center – Operations and Maintenance Agreement Amendment**
Action would authorize the Chief Executive Officer (CEO) to execute Amendment No. 2 to the Operation and Maintenance Agreement with San Diego State University (SDSU), MTS Doc. No. M6644.2-06, regarding elevator maintenance at the SDSU Transit Center.

20. Property Insurance Renewal
Agenda Item will be provided prior to Board Meeting.

21. Excess General Liability (Liability) and Excess Workers' Compensation (Workers' Compensation) Insurance Renewal
Agenda Item will be provided prior to Board Meeting.

9. Other Staff Communications and Business

Vice Chair Goble commended the Marketing team for its videography production.

10. Committee Member Communications and Other Business

There was no Committee Member Communications and Other Business discussion.

11. Next Meeting Date

The next Executive Committee meeting is scheduled for April 10, 2025, at 9:00 a.m.

12. Adjournment

The meeting was adjourned at 11:19 a.m.

Chairperson San Diego Metropolitan Transit System	Clerk of the Board San Diego Metropolitan Transit System

Attachment: A. Roll Call Sheet

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
EXECUTIVE COMMITTEE

ROLL CALL

MEETING OF (DATE): March 6, 2025 CALL TO ORDER (TIME): 9:02 a.m.
RECESS: _____ RECONVENE: _____
CLOSED SESSION: _____ RECONVENE: _____
PUBLIC HEARING: _____ RECONVENE: _____
ORDINANCES ADOPTED: _____ ADJOURN: 11:19 a.m.

REPRESENTING	BOARD MEMBER		ALTERNATE		PRESENT (TIME ARRIVED)	ABSENT (TIME LEFT)
Chair	Whitburn	☒	No Alternate	☐	9:02 a.m.	11:19 a.m.
City of San Diego	Elo-Rivera	☒	Whitburn	☐	9:16 a.m.	11:19 a.m.
County of San Diego	Montgomery Steppe	☐	VACANT	☐	ABSENT	ABESENT
East County	Vaus	☐	Hall	☒	9:02 a.m.	11:19 a.m.
SANDAG Transportation Committee	Dillard	☒	Fernandez	☐	9:02 a.m.	10:37 a.m.
South Bay	Fernandez	☒	Fleming	☐	9:02 a.m.	11:19 a.m.
Vice Chair	Goble	☒	No Alternate	☐	9:02 a.m.	11:19 a.m.

SIGNED BY THE CLERK OF THE BOARD: /S/ Dalia Gonzalez

Metropolitan Transit System

Agenda Item No. 4

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
EXECUTIVE COMMITTEE

April 10, 2025

SUBJECT:

Fiscal Year (FY) 2026 Operating Budget Discussion (Gordon Meyer)

INFORMATIONAL ONLY

Budget Impact

None.

DISCUSSION:

Fiscal Year 2026 Budget Recap

The following is a recap of the FY 2026 budget process:

- MTS uses a zero-based budgeting process that begins in January each year. In MTS's process, every budget line-item is reviewed and approved each year. Department managers complete budget templates in which they propose amounts for each line item, submitted with the appropriate supporting details for each assumption (in contrast, with a traditional historic budgeting process, managers only justify variances versus prior year budget; the assumption is that the baseline is automatically approved). Meetings are held with each department to validate their assumptions, review proposals versus existing spending trends, and review any new initiatives. This collaborative process results in the assumptions that are then presented to and reviewed by senior management at MTS, the Executive Committee, and ultimately the MTS Board.

- On February 6, 2025, staff presented a forecast of the FY 2025 operating budget amendment as well as a current five-year forecast of the operating budget. The five-year forecast estimated that MTS would hit the "fiscal cliff" and run out of operating funds early in FY 2028. In the same presentation, staff presented a range of potential short-term and long-term options for addressing the structural deficit. Staff recommended exercising off-ramp provisions of the Innovative Clean Transit (ICT) mandate for purchasing electric buses, shifting funding from capital to operations in FY 2026 ($25 million), FY 2027 ($35 million), and FY 2028 ($50 million), and delaying all planned service enhancements after the January 2025 service change. These short-term solutions were proposed to extend the timing of the fiscal cliff by approximately one year while MTS waits to see the results of potential revenue increases including a possible tax measure pursued by MTS or changes to the state-wide

San Diego Metropolitan Transit System (MTS) is a California public agency comprised of San Diego Transit Corp., San Diego Trolley, Inc. and San Diego and Arizona Eastern Railway Company (nonprofit public benefit corporations). MTS member agencies include the cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and the County of San Diego. MTS is also the For-Hire Vehicle administrator for multiple cities in San Diego County.

Transportation Development Act (TDA) tax that could dramatically increase MTS revenues. Other solutions discussed, but not part of the recommendation, were fare increases and minor/major service cuts. In this meeting the Planning department also recommended conducting a Comprehensive Operating Analysis (COA) to evaluate existing service and guide strategic decisions on service reductions (or increases) as necessary.

- On February 13, 2025, staff gave the same presentation to the Board. In this meeting, the Board approved the recommendation to extend the "fiscal cliff" date by exercising off-ramp provisions of the Innovative Clean Transit (ICT) mandate for purchasing electric buses, shift funding from capital to operations in FY 2026 ($25 million), FY 2027 ($35 million), and FY 2028 ($50 million), and delay all planned service enhancements after the January 2025 service change.

- On March 6, 2025, staff met with the Executive Committee and reviewed and recommended approval of the FY 2025 midyear operating budget amendment and the FY 2026 Capital Improvement Program (CIP).

- On March 13, 2025, staff met with the Board of Directors. During this meeting, staff reviewed and received Board approval of the FY 2025 amended operating budget and the FY 2026 CIP.

- Since March 13, 2025, staff has been developing the FY 2026 operating budget. An initial draft of the operating budget will be presented to the Executive Committee on April 10, 2025, and to the Board on April 17, 2025. Staff will continue to refine assumptions prior to the public hearing scheduled for May 15, 2025. In particular, staff will evaluate March passenger revenue results before finalizing the FY 2026 passenger revenue budget. Staff will also continue to refine the energy budget as more current forecast data becomes available.

Fiscal Year 2026 Operating Budget

The FY 2026 total budgeted revenue is projected at $475.6 million, and total expenses are projected at $475.6 million, resulting in a balanced budget for FY 2026. Attachments A-D detail the current draft of the proposed FY 2026 Operating Budget.

Fiscal Year 2026 Revenues

Attachment E summarizes the total operating and non-operating revenues in a schedule format. As indicated within the schedule, FY 2026 combined revenues total $475.6 million, an increase from the FY 2025 amended budget of $27.4 million (6.1%).

Operating revenue totals $122.0 million, an increase from the FY 2025 amended budget of $7.1 million (6.1%). Passenger revenues are projected to increase by $9.4 million (11.7%) based on projected ridership of 86.2 million passengers and an average fare of $1.04. The ridership target represents 6.0% growth over ridership in the FY 2025 amended budget. The average fare of $1.04 represents a $0.05 (5.4%) increase over the FY 2025 amended budget, based on the preliminary results of the fare enforcement changes that began on February 1, 2025. Other operating revenues are projected to decrease by $2.3 million (-6.5%), primarily due to projected interest revenue decreasing by $3.1M (-32.1%). MTS is expected to generate significantly less interest next year as MTS will no longer be receiving stimulus funds and plans to deplete the operating deficit reserve in FY 2026, resulting in lower cash balances. Advertising revenue is

expected to decrease by $226,000 (-3.5%), primarily to reflect recent decreases in vehicle advertising revenue. Real estate lease revenue is expected to decrease by $457,000 (-11.9%) due to declining occupancy at the Grantville development as well as the continued non-renewals of Clean Transit Advancement Campus (CTAC) property tenants. These decreases are projected to be partially offset by an increase of $1.5 million (15.2%) in energy credit revenue. The Low Carbon Fuel Standard (LCFS) program implemented changes to credit generation for fixed guideway electricity reported for January 2025 and later. The new changes are expected to result in approximately 2.3 times the number of credits previously generated for fixed guideway electricity by MTS. Pre-2011 sub-stations (all except Mid-Coast sub-stations) will now generate as many credits as post-2010 sub-stations (Mid-Coast), representing a significant increase in credit generation for MTS going forward.

Non-operating revenue totals $353.5 million, an increase from the FY 2025 amended budget of $20.3 million (6.1%). Non-operating revenue includes both subsidy revenue and other revenue (reserves) as detailed in Attachment E.

Federal Transit Administration (FTA) funding is structured on a reimbursement basis (after expenses are incurred), and funds both the CIP and operating budgets. MTS's share of recurring federal revenue in the operating budget is expected to increase by $1.3 million (1.7%) from the FY 2025 amended budget to $79.1 million in total. This is due to increasing the preventive maintenance funds in the operating budget by $2.0 million.

On March 27, 2020, President Trump signed the Coronavirus Aid, Relief, and Economic Security (CARES) Act, which provided $25 billion to the transit industry nationwide. MTS received $220 million in CARES Act funding over multiple fiscal years to supplement lost revenues and increased expenses related to the pandemic. On March 11, 2021, President Biden signed the American Rescue Plan (ARP) Act into law, providing $140 million in additional stimulus funding for MTS. In total, MTS was awarded $360.0 million in stimulus funds. The final $47.4M of stimulus funds were drawn and received during FY 2025, and there are no additional stimulus funds available for FY 2026. Stimulus funds that were drawn and contributed to the operating deficit reserve in prior years will be available and spent in FY 2026, but are represented as reserves revenue in Attachment E.

Regional sales tax revenues in the MTS operating budget are expected to increase by $12.1 million (7.4%) year over year for FY 2026, but only after shifting $25.0 million in Transportation Development Act (TDA) revenue from the capital budget to operations. Regional sales tax revenues are projected to decline overall in FY 2026 with very modest growth projected for future years in the San Diego Association of Government's (SANDAG) most recent forecasts. This is a concerning trend that has the potential to dramatically affect the short-term financial outlook for MTS.

Regional TDA cash receipts are projected to decline -3.6% versus FY 2025 projected cash receipts. MTS files an annual TDA claim based on SANDAG projections, and that claim amount is the amount received, regardless of actual sales tax performance. If sales tax receipts end up higher than the claim amount, excess funds are stored in a reserve at the County. If sales tax receipts come in lower than the claim amount, funds are drawn from the County reserve. The overall amount of TDA projected for FY 2026, available for both capital and operations, is decreasing by $7.7 million (-5.7%) from the FY 2025 amended budget based on projected sales tax receipts by SANDAG. The overall decrease is higher than the -3.6% decrease in receipts projected by SANDAG because MTS had claimed an additional $3.0 million form the County TDA reserve in the FY 2025 claim. TDA revenue in the operating budget is increasing by $10.3

million (11.5%) from the FY 2025 amended budget, after shifting $25.0 million from the FY 2026 capital budget to the FY 2026 operating budget.

TransNet revenue is projected to increase by $1.7 million (2.3%) versus the FY 2025 amended budget. Unlike TDA, Transnet revenues are not based on an annual claim process and are instead disbursed as the sales tax revenue is generated. The formula share of *TransNet* funding is expected to increase by $153,000 (0.4%) versus last year, based on economic growth assumptions provided by SANDAG. MTS also receives *TransNet* as operating assistance for *TransNet*-funded services, which includes Superloop, I-15 BRT, Mid-City Rapid, South Bay BRT, and Mid-Coast. *TransNet* operating assistance is projected to be $34.7 million in FY 2026, an increase of $1.6 million (4.7%) from the FY 2025 amended budget. This is primarily due to increases in net subsidy for *TransNet*-funded services based on higher expenses for these services.

In the FY 2025 fiscal year to date, MTS has received $17.2 million of the projected $33.9 million of State Transit Assistance (STA) funding. This funding is primarily programmed in the CIP due to its volatile history, but a portion is also allocated to operations to fund service increases, replace lost Medi-Cal revenue, and address the structural deficit. The amount in the operating budget is typically static at $11.3 million but was reduced to $6.2 million in the FY 2025 budget to keep the capital budget whole while reflecting an anticipated $5.1 million shortfall in overall STA revenue. The share of STA in the operating budget is increasing back to $11.3 million in FY 2026, an increase of $5.1 million from the FY 2025 amended budget.

Other state revenue is projected to be $22.5 million in FY 2026, an increase of $13.5 million from the FY 2025 operating budget. Senate Bill 125, approved by the Governor on July 10, 2023, guides the distribution of $4 billion in General Fund through the TIRCP on a population-based formula to regional transportation planning agencies, which can use the funds for either capital or operations. MTS is expected to receive $237.3 million in SB 125 TIRCP funds over multiple fiscal years, including both capital and operations. The FY 2026 operating budget includes $3.5 million for security enhancements, $4.9 million for Route 227 (Iris Rapid) operations, $830,000 for Route 910 (Overnight Express) operations, $1.6 million for Trolley service enhancements (15-minute service on all lines), and $11.7 million balancing the structural deficit.

Other local funding is projected to be $3.1 million in FY 2026, a decrease of $1.2 million (-27.6%) from the FY 2025 amended budget. MTS historically received $5.74 per student per quarter for operating the Route 201 and 202 shuttle service at the University of California, San Diego (UCSD). This revenue, which was projected to generate $690,000 in FY 2025, will be included in the new U-PASS agreement and reported as passenger revenue beginning in FY 2026 (marking a reduction in subsidy revenue). Other local funding is also decreasing due to a $500,000 reduction in the amount of FasTrak revenue being provided by SANDAG in FY 2026. The decrease in FasTrak revenue is part of a revenue swap with SANDAG and is being offset by an equal increase in *TransNet* reimbursement for BRT services.

Consolidated subsidy revenue totals $291.5 million, a decrease of $16.6 million (-5.4%) from the FY 2025 amended budget.

Within other revenue, reserve revenue totals $62.1 million. For-Hire Vehicle Administration (FHVA) and San Diego & Arizona Eastern (SD&AE) are self-funded activities. FHVA is projected to use $157,000 of reserves to balance its operating budget in FY 2026, as expenses are projected to exceed revenues. SD&AE is projected to contribute $73,000 to its reserves, as revenues are projected to exceed expenses. The creation of an Operating Budget Deficit

Reserve was approved by the Board in April 2023. MTS contributed $57.0 million in excess revenues over expenses to the Operating Budget Deficit Reserve in FY 2023 and contributed an additional $30.2 million at the end of FY 2024. The current balance of the Operating Budget Deficit Reserve is $87.1 million and is expected to be $62.0 million at the end of FY 2025, based on the projected usage of $25.2 million in the FY 2025 amended budget. The FY 2026 proposed operating budget assumes that the entire $62.0 million reserve balance will be used to balance the operating budget in FY 2026, at which point MTS will start using SB 125 TIRCP funds to balance the operating budget.

Fiscal Year 2026 Expenses

Attachment A contains the total revenues as detailed above and the total proposed expenses for FY 2026. FY 2026 combined expenses total $475.6 million, an increase from the FY 2025 amended budget of $27.4 million (6.1%). The proposed budget reflects planned service levels across all modes. Rail operations service levels are expected to increase by 1.3% with a full year of 15-minute system-wide service implemented in January 2025. Directly operated bus service levels are expected to remain flat at FY 2025 levels. Contracted fixed route bus service levels are expected to increase by 0.3% to reflect a full year of Route 910 Overnight Express service. Paratransit service levels, based on demand, are projected to increase by 8.4% in FY 2026 as demand continues to increase toward pre-pandemic levels.

Within operating expenses, personnel expenses are projected to increase from the FY 2025 amended budget by $10.9 million (5.6%). Wages are expected to increase by $6.7 million (5.7%) overall. Wages within Administration are projected to increase by $1.1 million (4.6%), primarily due the planned merit increase of 4.0% for management employees in FY 2026 and higher security staffing levels assumed in the FY 2026 budget. Wages within Trolley operations are projected to increase by $3.1 million (7.8%) over FY 2025, primarily due to 7.0% wage increases for all SMART union members effective April 2025. Wages within Bus operations are increasing by $2.4 million (4.6%), primarily due to a full year of increased wages which ranged from 7.0% to over 12% for IBEW and ATU employees effective January 2025. Fringe expenses are projected to increase by $4.3 million (5.4%) versus the FY 2025 amended budget. This is primarily due to increasing healthcare expenses and pension expenses. Healthcare expenses are increasing by $1.9 million (9.1%) due to premium increases as well as increases to employer contributions in the recently approved collective bargaining agreements. Pension costs are increasing by $1.8 million (5.4%) overall. Within pension costs, the employer share of the San Diego Transit Corporation (SDTC) defined benefit plan is increasing by $1.1 million (5.7%) based on the most recent actuarial valuation and projected employee contributions. CalPERS employer contributions are projected to increase by $562,000 (5.0%).

Purchased transportation costs are projected to increase from the FY 2025 amended budget by $5.3 million (4.8%). This is primarily due to rate increases for both the fixed route contract and paratransit/minibus contract, both operated by Transdev. Both contracts have fixed and variable rate components which determine total contract costs. The fixed cost rate is not dependent on service levels and is a fixed monthly fee, whereas the variable rate is dependent on the volume of service operated. Transdev fixed costs in the fixed route contract are increasing by 4.2% over the FY 2025 amended budget. The variable rate for Transdev is increasing by 4.0% in FY 2026, including an additional $0.08 per revenue mile budgeted for potential Transdev collective bargaining increases as approved by the Board in FY 2025 (the additional $0.08 will only be incurred as Transdev-related collective bargained employee raises are agreed to and confirmed by MTS). Overall Transdev fixed route contract costs are projected to increase by $3.7 million (4.4%). Fixed costs on the paratransit/minibus contract are increasing by 2.1% in FY 2026. The minibus per-mile rate is staying flat for FY 2026, and the

paratransit per-hour rate is increasing by 2.8%. Overall, minibus costs are projected to decrease by $90,000 (-1.4%) and paratransit costs are expected to increase by $1.7 million (9.1%). Paratransit costs are increasing due to the contract increases and a projected increase of 8.4% in service demand for FY 2026.

Excluding purchased transportation, outside service expenses are projected to increase from the FY 2025 amended budget by $1.9 million (3.5%). Within outside services, security costs are increasing by 4.1%, primarily due to contractual 4.0% wage increases. Repair and maintenance costs are projected to increase by $2.1 million (18.0%), primarily due to rail tie replacement, bridge repairs, and a new contract for light rail vehicle body repairs with price increases. Other outside services are decreasing by $639,000 (-2.3%) due to a variety of changes. Decreases within other outside services primarily represent one-time expenditures in FY 2025 that are not continuing into FY 2026. These one-time expenses included emergency track repairs, Baltimore/Euclid Avenue planning studies, a variety of bus facility repair projects, and security equipment purchases for new staff (radios, handheld units). These decreases are partially offset by increases for the Planning department Comprehensive Operational Analysis (COA), fare system upgrades (mobile app enhancements), and increasing Information Technology department expenses for rail maintenance software upgrades and contractual increases.

Materials and supplies costs are projected to increase by $2.1 million (10.6%), primarily due to an increase of $1.3 million for SD8 light rail vehicle (LRV) drive unit overhauls within the LRV maintenance budget, and $1.2 million for upgrading the credit card module on all existing ticket vending machines within the Revenue Maintenance department budget.

Energy costs are projected to increase by $5.7 million (11.7%). Electricity costs are projected to increase by $4.0 million (13.1%) due a projected 10.4% increase in rates combined with a 2.9% increase in projected usage for trolley traction power electricity stemming from a full year of 15-minute Trolley service across the entire system. Compressed natural gas (CNG) costs are projected to increase by $1.6 million (11.8%), primarily due to a projected increase of 11.9% in the rate per therm. The CNG rate increase is being driven by a projected 49.2% increase in the commodity rate for FY 2026, based on the most recent Department of Energy projections. Increased demand (primarily exports), extreme weather events, and storage and pipeline issues are the main factors driving forecasts upward.

Risk management costs are increasing by $2.0 million (18.6%). The increase is primarily driven by an increase of $1.5 million (16.4%) in insurance premiums, with property and excess liability insurance premiums driving the increase. Claim payments are projected to increase by $555,000 in FY 2026, based on pending litigation as well as contingency for unplanned events.

General and Administrative costs are decreasing by $486,000 (-6.5%) over the FY 2025 amended budget. The FY 2025 operating budget included one-time expenses for bus radio equipment and handheld units for security staff, expenses that will not be necessary in FY 2026.

Vehicle and Facility Lease costs are projected to decrease by $35,000 (-1.6%), primarily due to non-revenue vehicle leasing expenses.

Debt service costs are zero in FY 2026. There are no outstanding debt service obligations.

In total, expenses are projected to increase by $27.4 million or 6.1% versus the FY 2025 amended budget.

The current FY 2026 Operating Budget estimates do not include potential impacts related to tariffs imposed by the federal government on April 2, 2025. Staff will continue monitoring the potential tariff impacts and incorporate them into future estimates, if feasible.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachment:
A. FY 2026 Operating Budget – Consolidated MTS
B. FY 2026 Operating Budget – Consolidated Operations
C. FY 2026 Operating Budget – Consolidated Administration
D. FY 2026 Operating Budget – Consolidated Other Activities
E. FY 2026 Operating Budget – Consolidated Revenue Summary
F. FY 2026 Operating Budget – Position Table Summary
G. FY 2026 Operating Budget – Position Table Details

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
OPERATING BUDGET SUMMARY
FISCAL YEAR 2026
SECTION 2.01

	ACTUAL FY24	AMENDED BUDGET FY25	PROPOSED BUDGET FY26	$ CHANGE BUDGET/ AMENDED	% CHANGE BUDGET/ AMENDED
OPERATING REVENUE					
PASSENGER REVENUE	72,403,501	79,850,725	89,204,799	9,354,074	11.7%
OTHER OPERATING REVENUE	34,505,395	35,098,213	32,808,128	(2,290,085)	-6.5%
TOTAL OPERATING REVENUES	**106,908,896**	**114,948,938**	**122,012,927**	**7,063,989**	**6.1%**
NON OPERATING REVENUE					
TOTAL SUBSIDY REVENUE	339,947,127	308,115,776	291,457,261	(16,658,516)	-5.4%
OTHER NON OPERATING REVENUE					
RESERVE REVENUE	(30,504,844)	25,125,699	62,081,086	36,955,387	147.1%
OTHER INCOME	-	-	-	-	-
TOTAL OTHER NON OPERATING REVENUE	(30,504,844)	25,125,699	62,081,086	36,955,387	147.1%
TOTAL NON OPERATING REVENUE	**309,442,282**	**333,241,475**	**353,538,347**	**20,296,871**	**6.1%**
TOTAL COMBINED REVENUES	**416,351,179**	**448,190,413**	**475,551,274**	**27,360,861**	**6.1%**
OPERATING EXPENSES					
LABOR EXPENSES	105,297,103	117,104,634	123,784,416	6,679,782	5.7%
FRINGE EXPENSES	71,585,490	78,775,506	83,042,286	4,266,780	5.4%
TOTAL PERSONNEL EXPENSES	**176,882,593**	**195,880,140**	**206,826,702**	**10,946,562**	**5.6%**
SECURITY EXPENSES	13,678,073	14,667,881	15,267,864	599,983	4.1%
REPAIR/MAINTENANCE SERVICES	13,119,522	11,510,694	13,579,748	2,069,054	18.0%
ENGINE AND TRANSMISSION REBUILD	1,223,377	1,182,750	1,079,800	(102,950)	-8.7%
OTHER OUTSIDE SERVICES	22,163,426	27,703,371	27,063,898	(639,473)	-2.3%
PURCHASED TRANSPORTATION	101,919,151	108,709,174	113,973,522	5,264,348	4.8%
TOTAL OUTSIDE SERVICES	**152,103,549**	**163,773,870**	**170,964,832**	**7,190,962**	**4.4%**
LUBRICANTS	435,638	476,020	588,020	112,000	23.5%
TIRES	1,296,191	1,363,500	1,383,500	20,000	1.5%
OTHER MATERIALS AND SUPPLIES	16,877,101	18,014,749	19,980,959	1,966,210	10.9%
TOTAL MATERIALS AND SUPPLIES	**18,608,930**	**19,854,269**	**21,952,479**	**2,098,210**	**10.6%**
GAS/DIESEL/PROPANE	2,685,693	2,982,755	3,028,921	46,166	1.5%
CNG	13,387,053	13,481,895	15,071,548	1,589,653	11.8%
TRACTION POWER	22,504,905	25,592,612	29,478,917	3,886,305	15.2%
UTILITIES	5,911,332	6,336,699	6,481,959	145,260	2.3%
TOTAL ENERGY	**44,488,982**	**48,393,961**	**54,061,345**	**5,667,384**	**11.7%**
RISK MANAGEMENT	**8,122,036**	**10,637,984**	**12,616,550**	**1,978,566**	**18.6%**
GENERAL AND ADMINISTRATIVE	**5,986,321**	**7,456,581**	**6,970,884**	**(485,697)**	**-6.5%**
DEBT SERVICE	**36,327**	**-**	**-**	**-**	**-**
VEHICLE / FACILITY LEASE	**1,705,779**	**2,193,611**	**2,158,482**	**(35,129)**	**-1.6%**
TOTAL OPERATING EXPENSES	**407,934,516**	**448,190,416**	**475,551,274**	**27,360,858**	**6.1%**
NET OPERATING SUBSIDY	**(301,025,620)**	**(333,241,478)**	**(353,538,347)**	**20,296,869**	**6.1%**
OVERHEAD ALLOCATION	**(0)**	**(0)**	**0**	**0**	**0.0%**
ADJUSTED NET OPERATING SUBSIDY	**(301,025,620)**	**(333,241,478)**	**(353,538,347)**	**20,296,869**	**6.1%**
TOTAL REVENUES LESS TOTAL EXPENSES	**8,416,663**	**(2)**	**0**	**(2)**	**0.0%**

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
OPERATIONS BUDGET
FISCAL YEAR 2026
SECTION 2.02

	ACTUAL FY24	AMENDED BUDGET FY25	PROPOSED BUDGET FY26	$ CHANGE BUDGET/ AMENDED	% CHANGE BUDGET/ AMENDED
OPERATING REVENUE					
PASSENGER REVENUE	72,403,501	79,850,725	89,204,799	9,354,074	11.7%
OTHER OPERATING REVENUE	3,000,970	1,108,695	974,400	(134,295)	-12.1%
TOTAL OPERATING REVENUES	**75,404,471**	**80,959,420**	**90,179,199**	**9,219,779**	**11.4%**
NON OPERATING REVENUE					
TOTAL SUBSIDY REVENUE	292,506,213	300,872,551	287,434,958	(13,437,594)	-4.5%
OTHER NON OPERATING REVENUE					
RESERVE REVENUE	-	25,151,191	61,996,847	36,845,655	146.5%
OTHER INCOME	-	-	-	-	-
TOTAL OTHER NON OPERATING REVENUE	-	25,151,191	61,996,847	36,845,655	146.5%
TOTAL NON OPERATING REVENUE	**292,506,213**	**326,023,743**	**349,431,804**	**23,408,062**	**7.2%**
TOTAL COMBINED REVENUES	**367,910,684**	**406,983,163**	**439,611,004**	**32,627,841**	**8.0%**
OPERATING EXPENSES					
LABOR EXPENSES	84,512,654	92,580,875	98,107,577	5,526,702	6.0%
FRINGE EXPENSES	62,298,488	68,434,593	72,223,423	3,788,830	5.5%
TOTAL PERSONNEL EXPENSES	**146,811,142**	**161,015,468**	**170,331,000**	**9,315,532**	**5.8%**
SECURITY EXPENSES	1,193,339	1,239,810	1,297,060	57,250	4.6%
REPAIR/MAINTENANCE SERVICES	12,899,037	11,246,294	13,291,348	2,045,054	18.2%
ENGINE AND TRANSMISSION REBUILD	1,223,377	1,182,750	1,079,800	(102,950)	-8.7%
OTHER OUTSIDE SERVICES	7,495,020	10,762,942	8,857,295	(1,905,647)	-17.7%
PURCHASED TRANSPORTATION	101,919,151	108,709,174	113,973,522	5,264,348	4.8%
TOTAL OUTSIDE SERVICES	**124,729,923**	**133,140,970**	**138,499,025**	**5,358,055**	**4.0%**
LUBRICANTS	435,638	476,020	588,020	112,000	23.5%
TIRES	1,296,191	1,363,500	1,383,500	20,000	1.5%
OTHER MATERIALS AND SUPPLIES	16,835,323	17,964,426	19,931,202	1,966,776	10.9%
TOTAL MATERIALS AND SUPPLIES	**18,567,152**	**19,803,946**	**21,902,722**	**2,098,776**	**10.6%**
GAS/DIESEL/PROPANE	2,458,948	2,727,055	2,772,221	45,166	1.7%
CNG	13,387,053	13,481,895	15,071,548	1,589,653	11.8%
TRACTION POWER	22,504,905	25,592,612	29,478,917	3,886,305	15.2%
UTILITIES	4,890,027	5,274,921	5,373,214	98,293	1.9%
TOTAL ENERGY	**43,240,932**	**47,076,483**	**52,695,900**	**5,619,417**	**11.9%**
RISK MANAGEMENT	**7,397,817**	**9,533,443**	**11,342,903**	**1,809,460**	**19.0%**
GENERAL AND ADMINISTRATIVE	**1,022,936**	**1,480,171**	**1,158,345**	**(321,826)**	**-21.7%**
DEBT SERVICE	**36,327**	**-**	**-**	**-**	**-**
VEHICLE / FACILITY LEASE	**1,319,807**	**1,720,955**	**1,628,369**	**(92,586)**	**-5.4%**
TOTAL OPERATING EXPENSES	**343,126,035**	**373,771,436**	**397,558,264**	**23,786,828**	**6.4%**
NET OPERATING SUBSIDY	**(267,721,565)**	**(292,812,016)**	**(307,379,065)**	**14,567,049**	**5.0%**
OVERHEAD ALLOCATION	**(27,018,000)**	**(33,211,729)**	**(42,052,740)**	**(8,841,011)**	**26.6%**
ADJUSTED NET OPERATING SUBSIDY	**(294,739,564)**	**(326,023,745)**	**(349,431,804)**	**23,408,059**	**7.2%**
TOTAL REVENUES LESS TOTAL EXPENSES	**(2,233,351)**	**(2)**	**-**	**(2)**	**-100.0%**

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
ADMINISTRATIVE BUDGET
FISCAL YEAR 2026
SECTION 2.03

	ACTUAL FY24	AMENDED BUDGET FY25	PROPOSED BUDGET FY26	$ CHANGE BUDGET/ AMENDED	% CHANGE BUDGET/ AMENDED
OPERATING REVENUE					
PASSENGER REVENUE	-	-	-	-	-
OTHER OPERATING REVENUE	30,491,772	32,977,748	30,819,747	(2,158,001)	-6.5%
TOTAL OPERATING REVENUES	**30,491,772**	**32,977,748**	**30,819,747**	**(2,158,001)**	**-6.5%**
NON OPERATING REVENUE					
TOTAL SUBSIDY REVENUE	47,440,913	7,243,225	4,022,303	(3,220,922)	-44.5%
OTHER NON OPERATING REVENUE					
RESERVE REVENUE	(30,182,046)	-	-	-	-
OTHER INCOME	-	-	-	-	-
TOTAL OTHER NON OPERATING REVENUE	(30,182,046)	-	-	-	-
TOTAL NON OPERATING REVENUE	**17,258,868**	**7,243,225**	**4,022,303**	**(3,220,922)**	**-44.5%**
TOTAL COMBINED REVENUES	**47,750,639**	**40,220,973**	**34,842,050**	**(5,378,923)**	**-13.4%**
OPERATING EXPENSES					
LABOR EXPENSES	20,424,712	24,106,759	25,205,100	1,098,341	4.6%
FRINGE EXPENSES	9,079,160	10,115,573	10,599,985	484,412	4.8%
TOTAL PERSONNEL EXPENSES	**29,503,872**	**34,222,332**	**35,805,085**	**1,582,753**	**4.6%**
SECURITY EXPENSES	12,484,734	13,428,071	13,970,804	542,733	4.0%
REPAIR/MAINTENANCE SERVICES	218,335	259,400	283,400	24,000	9.3%
ENGINE AND TRANSMISSION REBUILD	-	-	-	-	-
OTHER OUTSIDE SERVICES	14,656,463	16,811,953	18,055,763	1,243,810	7.4%
PURCHASED TRANSPORTATION	-	-	-	-	-
TOTAL OUTSIDE SERVICES	**27,359,532**	**30,499,424**	**32,309,967**	**1,810,543**	**5.9%**
LUBRICANTS	-	-	-	-	-
TIRES	-	-	-	-	-
OTHER MATERIALS AND SUPPLIES	41,291	49,823	49,257	(566)	-1.1%
TOTAL MATERIALS AND SUPPLIES	**41,291**	**49,823**	**49,257**	**(566)**	**-1.1%**
GAS/DIESEL/PROPANE	221,917	249,700	249,700	-	0.0%
CNG	-	-	-	-	-
TRACTION POWER	-	-	-	-	-
UTILITIES	1,021,305	1,061,778	1,108,745	46,967	4.4%
TOTAL ENERGY	**1,243,222**	**1,311,478**	**1,358,445**	**46,967**	**3.6%**
RISK MANAGEMENT	**674,374**	**997,514**	**1,161,180**	**163,666**	**16.4%**
GENERAL AND ADMINISTRATIVE	**4,905,354**	**5,899,346**	**5,748,425**	**(150,921)**	**-2.6%**
DEBT SERVICE	**-**	**-**	**-**	**-**	**-**
VEHICLE / FACILITY LEASE	**379,051**	**452,052**	**501,256**	**49,204**	**10.9%**
TOTAL OPERATING EXPENSES	**64,106,695**	**73,431,969**	**76,933,615**	**3,501,646**	**4.8%**
NET OPERATING SUBSIDY	**(33,614,924)**	**(40,454,221)**	**(46,113,868)**	**5,659,647**	**14.0%**
OVERHEAD ALLOCATION	**27,006,070**	**33,210,996**	**42,091,565**	**8,880,569**	**26.7%**
ADJUSTED NET OPERATING SUBSIDY	**(6,608,854)**	**(7,243,225)**	**(4,022,303)**	**(3,220,922)**	**-44.5%**
TOTAL REVENUES LESS TOTAL EXPENSES	**10,650,014**	**(0)**	**-**	**(0)**	**-100.0%**

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
OTHER ACTIVITIES BUDGET
FISCAL YEAR 2026
SECTION 2.04

	ACTUAL FY24	AMENDED BUDGET FY25	PROPOSED BUDGET FY26	$ CHANGE BUDGET/ AMENDED	% CHANGE BUDGET/ AMENDED
OPERATING REVENUE					
PASSENGER REVENUE	-	-	-	-	-
OTHER OPERATING REVENUE	1,012,654	1,011,770	1,013,981	2,211	0.2%
TOTAL OPERATING REVENUES	**1,012,654**	**1,011,770**	**1,013,981**	**2,211**	**0.2%**
NON OPERATING REVENUE					
TOTAL SUBSIDY REVENUE	-	-	-	-	-
OTHER NON OPERATING REVENUE					
RESERVE REVENUE	(322,799)	(25,492)	84,239	109,731	-430.4%
OTHER INCOME	-	-	-	-	-
TOTAL OTHER NON OPERATING REVENUE	(322,799)	(25,492)	84,239	109,731	-430.4%
TOTAL NON OPERATING REVENUE	**(322,799)**	**(25,492)**	**84,239**	**109,731**	**-430.4%**
TOTAL COMBINED REVENUES	**689,855**	**986,278**	**1,098,220**	**111,942**	**11.3%**
OPERATING EXPENSES					
LABOR EXPENSES	359,737	417,000	471,739	54,739	13.1%
FRINGE EXPENSES	207,843	225,340	218,878	(6,462)	-2.9%
TOTAL PERSONNEL EXPENSES	**567,580**	**642,340**	**690,617**	**48,277**	**7.5%**
SECURITY EXPENSES	-	-	-	-	-
REPAIR/MAINTENANCE SERVICES	2,150	5,000	5,000	-	0.0%
ENGINE AND TRANSMISSION REBUILD	-	-	-	-	-
OTHER OUTSIDE SERVICES	11,944	128,476	150,840	22,364	17.4%
PURCHASED TRANSPORTATION	-	-	-	-	-
TOTAL OUTSIDE SERVICES	**14,094**	**133,476**	**155,840**	**22,364**	**16.8%**
LUBRICANTS	-	-	-	-	-
TIRES	-	-	-	-	-
OTHER MATERIALS AND SUPPLIES	486	500	500	-	0.0%
TOTAL MATERIALS AND SUPPLIES	**486**	**500**	**500**	**-**	**0.0%**
GAS/DIESEL/PROPANE	4,828	6,000	7,000	1,000	16.7%
CNG	-	-	-	-	-
TRACTION POWER	-	-	-	-	-
UTILITIES	-	-	-	-	-
TOTAL ENERGY	**4,828**	**6,000**	**7,000**	**1,000**	**16.7%**
RISK MANAGEMENT	**49,845**	**107,027**	**112,467**	**5,440**	**5.1%**
GENERAL AND ADMINISTRATIVE	**58,031**	**77,064**	**64,114**	**(12,950)**	**-16.8%**
DEBT SERVICE	**-**	**-**	**-**	**-**	**-**
VEHICLE / FACILITY LEASE	**6,921**	**20,604**	**28,857**	**8,253**	**40.1%**
TOTAL OPERATING EXPENSES	**701,785**	**987,011**	**1,059,395**	**72,384**	**7.3%**
NET OPERATING SUBSIDY	**310,869**	**24,759**	**(45,414)**	**70,173**	**-283.4%**
OVERHEAD ALLOCATION	**11,930**	**733**	**(38,825)**		**-5394.2%**
ADJUSTED NET OPERATING SUBSIDY	**322,799**	**25,492**	**(84,239)**	**109,731**	**-430.4%**
TOTAL REVENUES LESS TOTAL EXPENSES	**0**	**0**	**0**	**(0)**	**0.0%**

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
REVENUE BUDGET SUMMARY
FISCAL YEAR 2026
SECTION 3.02

	ACTUAL FY24	AMENDED BUDGET FY25	PROPOSED BUDGET FY26	$ CHANGE AMENDED/ ORIGINAL	% CHANGE AMENDED/ ORIGINAL
OPERATING REVENUE					
PASSENGER REVENUE	72,403,501	79,850,725	89,204,799	9,354,074	11.7%
OTHER INCOME	34,505,395	35,098,213	32,808,128	(2,290,085)	-6.5%
TOTAL OPERATING REVENUE	106,908,896	114,948,938	122,012,927	7,063,989	6.1%
NON OPERATING REVENUE					
SUBSIDY REVENUE					
FEDERAL REVENUE	70,140,685	77,719,613	79,067,133	1,347,521	1.7%
FEDERAL REVENUE - CARES/ARP	85,000,000	47,394,233	-	(47,394,233)	-100.0%
TRANSPORTATION DEVELOPMENT ACT (TDA)	92,972,439	90,194,289	100,538,352	10,344,063	11.5%
STATE TRANSIT ASSISTANCE (STA)	10,088,619	6,246,579	11,300,000	5,053,421	80.9%
STATE REVENUE - OTHER	4,521,334	9,000,000	22,473,447	13,473,447	149.7%
TRANSNET	72,661,543	73,251,381	74,958,329	1,706,948	2.3%
OTHER LOCAL SUBSIDIES	4,562,507	4,309,683	3,120,000	(1,189,683)	-27.6%
TOTAL SUBSIDY REVENUE	339,947,127	308,115,777	291,457,261	(16,658,517)	-5.4%
OTHER REVENUE					
OTHER FUNDS	-	-	-	-	-
RESERVES REVENUE	(30,505,035)	25,125,699	62,081,086	36,955,387	147.1%
TOTAL OTHER REVENUE	(30,505,035)	25,125,699	62,081,086	36,955,387	147.1%
TOTAL NON OPERATING REVENUE	309,442,092	333,241,476	353,538,347	20,296,870	6.1%
GRAND TOTAL REVENUES	**416,350,988**	**448,190,414**	**475,551,274**	**27,360,860**	**6.1%**

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
POSITION INFORMATION (SUMMARY FORMAT)
FISCAL YEAR 2026 PROPOSED BUDGET
SECTION 10.03

	Amended Budget FY 2025	Position Shifts	Net Positons Requiring Funding Adjs	Proposed FY 2026	Frozen Positions
	FTE's	FTE's	FTE's	FTE's	FTE's
MTS Administration					
BOD ADMINISTRATION	2.0	0.0	0.0	2.0	0.0
CAPITAL PROJECTS	10.5	0.0	0.0	10.5	0.0
COMPASS CARD	0.0	0.0	0.0	0.0	0.0
EXECUTIVE	5.0	0.0	0.0	5.0	0.0
FARE SYSTEM	14.5	0.0	0.0	14.5	0.0
FINANCE	25.5	0.0	0.0	25.5	0.0
HUMAN RESOURCES	19.0	0.0	0.0	19.0	0.0
INFORMATION SECURITY	3.0	0.0	0.5	3.5	0.0
INFORMATION TECHNOLOGY	32.0	0.0	0.0	32.0	0.0
LEGAL	4.5	0.0	0.0	4.5	0.0
MARKETING	11.0	0.0	0.0	11.0	0.0
PLANNING	9.5	0.0	0.0	9.5	0.0
PROCUREMENT	16.0	0.0	0.0	16.0	0.0
RIGHT OF WAY	2.0	0.0	0.0	2.0	0.0
RISK	4.0	0.0	0.0	4.0	0.0
SECURITY	139.0	0.0	0.0	139.0	0.0
STORES (ADMIN)	2.0	0.0	0.0	2.0	0.0
STORES (BUS)	13.0	0.0	0.0	13.0	0.0
STORES (RAIL)	7.0	0.0	0.0	7.0	0.0
TELEPHONE INFORMATION SERVICES	17.0	0.0	0.0	17.0	0.0
TRANSIT STORES	8.0	0.0	0.0	8.0	0.0
Subtotal MTS Administration	**344.5**	**0.0**	**0.5**	**345.0**	**0.0**
Bus Operations					
CONTRACT SERVICES	8.5	0.0	0.0	8.5	0.0
EXECUTIVE (BUS)	2.0	0.0	0.0	2.0	0.0
MAINTENANCE	189.0	0.0	0.0	189.0	0.0
MAINTENANCE-FACILITY	5.0	0.0	0.0	5.0	0.0
PASSENGER SERVICES	9.0	0.0	0.0	9.0	0.0
REVENUE (BUS)	6.0	0.0	0.0	6.0	0.0
SAFETY	2.0	0.0	0.0	2.0	0.0
TRAINING	11.0	0.0	0.0	11.0	0.0
TRANSPORTATION (BUS)	581.0	0.0	-17.0	564.0	0.0
Subtotal Bus Operations	**813.5**	**0.0**	**-17.0**	**796.5**	**0.0**
Rail Operations					
EXECUTIVE (RAIL)	4.0	0.0	0.0	4.0	0.0
FACILITIES	81.0	0.0	0.0	81.0	0.0
LIGHT RAIL VEHICLES	107.0	0.0	0.0	107.0	0.0
MAINTENANCE OF WAYSIDE	46.0	0.0	0.0	46.0	0.0
PASSENGER SUPPORT (RAIL)	22.5	0.0	0.0	22.5	0.0
REVENUE (RAIL)	20.0	0.0	0.0	20.0	0.0
REVENUE OPERATIONS (RAIL)	13.0	0.0	0.0	13.0	0.0
TRACK	22.0	0.0	0.0	22.0	0.0
TRANSPORTATION (RAIL)	282.2	0.0	0.0	282.2	0.0
Subtotal Rail Operations	**597.7**	**0.0**	**0.0**	**597.7**	**0.0**
Other MTS Operations					
FHV ADMINISTRATION	7.0	0.0	0.0	7.0	0.0
Subtotal Other MTS Operations	**7.0**	**0.0**	**0.0**	**7.0**	**0.0**
Grand Total	**1,762.7**	**0.0**	**-16.5**	**1,745.2**	**0.0**

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
POSITION INFORMATION (DETAILED POSITION FORMAT)
FISCAL YEAR 2026 PROPOSED BUDGET
SECTION 10.04

	Salary Grade	Amended Budget FY 2025 (FTE's)	Position Shifts (FTE's)	Net Positons Requiring Funding Adjs (FTE's)	Proposed FY 2026 (FTE's)	Frozen Positions (FTE's)
MTS Administration						
BOD ADMINISTRATION						
Exec Asst GC/Asst Board Clrk	8	1.0	0.0	0.0	1.0	0.0
Internal Auditor	12	1.0	0.0	0.0	1.0	0.0
BOD ADMINISTRATION TOTAL		2.0	0.0	0.0	2.0	0.0
CAPITAL PROJECTS						
Director of Capital Projects	17	1.0	0.0	0.0	1.0	0.0
Engineering Intern	0	0.5	0.0	0.0	0.5	0.0
Project Engineer	12	2.0	0.0	0.0	2.0	0.0
Project Manager	13	2.0	0.0	0.0	2.0	0.0
Regulatory Liaison&Permit Asst	7	1.0	0.0	0.0	1.0	0.0
Senior Project Manager	14	3.0	0.0	0.0	3.0	0.0
Sr. Project Manager - Rail Sys	14	1.0	0.0	0.0	1.0	0.0
CAPITAL PROJECTS TOTAL		10.5	0.0	0.0	10.5	0.0
COMPASS CARD						
COMPASS CARD TOTAL		0.0	0.0	0.0	0.0	0.0
EXECUTIVE						
Chief Executive Officer		1.0	0.0	0.0	1.0	0.0
Exec Asst/Clerk of the Board	9	1.0	0.0	0.0	1.0	0.0
Grants Administrator	9	1.0	0.0	0.0	1.0	0.0
Grants Analyst	8	1.0	0.0	0.0	1.0	0.0
Manager of Government Affairs	13	1.0	0.0	0.0	1.0	0.0
EXECUTIVE TOTAL		5.0	0.0	0.0	5.0	0.0
FARE SYSTEM						
Call/Service Center Rep (FT)	1	4.0	0.0	0.0	4.0	0.0
Call/Service Center Rep (PT)	1	1.5	0.0	0.0	1.5	0.0
Director of Fare Technology &	14	1.0	0.0	0.0	1.0	0.0
Fare Systems Administrator	9	1.0	0.0	0.0	1.0	0.0
Mgr of PRONTO & Passenger Supp	9	1.0	0.0	0.0	1.0	0.0
Service Center Specialist (FT)	2	5.0	0.0	0.0	5.0	0.0
Supervisor of Pronto Support	7	1.0	0.0	0.0	1.0	0.0
FARE SYSTEM TOTAL		14.5	0.0	0.0	14.5	0.0
FINANCE						
Chief Financial Officer	20	1.0	0.0	0.0	1.0	0.0
Accounting Assistant	3	3.0	0.0	0.0	3.0	0.0
Accounting Manager	12	1.0	0.0	0.0	1.0	0.0
Accounting Supervisor	9	1.0	0.0	0.0	1.0	0.0
Assistant Controller	13	1.0	0.0	0.0	1.0	0.0
Controller	17	1.0	0.0	0.0	1.0	0.0
Deputy Chief Financial Officer	18	1.0	0.0	0.0	1.0	0.0
Executive Assistant (CFO)	8	1.0	0.0	0.0	1.0	0.0
Finance Intern	1	0.5	0.0	0.0	0.5	0.0
Financial Analyst	9	1.0	0.0	0.0	1.0	0.0
Manager of Financial Planning	13	1.0	0.0	0.0	1.0	0.0
Payroll Coordinator	7	3.0	0.0	0.0	3.0	0.0
Payroll Manager	12	1.0	0.0	0.0	1.0	0.0
Payroll Supervisor	10	1.0	0.0	0.0	1.0	0.0
Senior Financial Analyst	10	1.0	0.0	0.0	1.0	0.0
Staff Accountant I	7	2.0	0.0	0.0	2.0	0.0
Staff Accountant II	8	4.0	0.0	0.0	4.0	0.0
Transit Asset Mgmt Program Mgr	11	1.0	0.0	0.0	1.0	0.0
FINANCE TOTAL		25.5	0.0	0.0	25.5	0.0

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
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	Salary Grade	Amended Budget FY 2025 (FTE's)	Position Shifts (FTE's)	Net Positons Requiring Funding Adjs (FTE's)	Proposed FY 2026 (FTE's)	Frozen Positions (FTE's)
HUMAN RESOURCES						
Benefits & Comp Analyst	10	3.0	0.0	0.0	3.0	0.0
Chief Human Resources Officer	19	1.0	0.0	0.0	1.0	0.0
Director of Human Resources	16	1.0	0.0	0.0	1.0	0.0
Human Resources Assistant	3	2.0	0.0	0.0	2.0	0.0
Human Resources Specialist	6	3.0	0.0	0.0	3.0	0.0
Leadership Dev Specialist	12	1.0	0.0	0.0	1.0	0.0
Manager of Benefits & Comp	13	1.0	0.0	0.0	1.0	0.0
Manager of Talent Acquisition	13	1.0	0.0	0.0	1.0	0.0
Office Support Coordinator	2	1.0	0.0	0.0	1.0	0.0
Senior Human Resources Analyst	11	1.0	0.0	0.0	1.0	0.0
Talent Acquisition Specialist	10	4.0	0.0	0.0	4.0	0.0
HUMAN RESOURCES TOTAL		19.0	0.0	0.0	19.0	0.0
INFORMATION SECURITY						
Info Security & Intel Eng	12	2.0	0.0	0.0	2.0	0.0
Info Security and Intel Intern	PT	0.0	0.0	0.5	0.5	0.0
Information Security Manager	14	1.0	0.0	0.0	1.0	0.0
INFORMATION SECURITY TOTAL		3.0	0.0	0.5	3.5	0.0
INFORMATION TECHNOLOGY						
Business Systems Analyst (SAP)	13	1.0	0.0	0.0	1.0	0.0
Chief Information Officer	19	1.0	0.0	0.0	1.0	0.0
Executive Assistant (CIO)	8	1.0	0.0	0.0	1.0	0.0
IT Development Manager	14	1.0	0.0	0.0	1.0	0.0
IT Enterprise Architect (IoT)	13	1.0	0.0	0.0	1.0	0.0
IT Operations Manager	14	1.0	0.0	0.0	1.0	0.0
IT Support Specialist	7	4.0	0.0	0.0	4.0	0.0
Network Engineer I	10	2.0	0.0	0.0	2.0	0.0
Network Engineer II	11	2.0	0.0	0.0	2.0	0.0
Network Engineer III	12	1.0	0.0	0.0	1.0	0.0
Network Operations Manager	14	1.0	0.0	0.0	1.0	0.0
Project Administrator	8	1.0	0.0	0.0	1.0	0.0
Report Development Analyst	10	1.0	0.0	0.0	1.0	0.0
SAP Software Developer	13	1.0	0.0	0.0	1.0	0.0
Senior Systems Administrator	12	3.0	0.0	0.0	3.0	0.0
Service Desk Supervisor	10	1.0	0.0	0.0	1.0	0.0
Software Developer	13	3.0	0.0	0.0	3.0	0.0
Sr Data Warehouse Engineer	13	1.0	0.0	0.0	1.0	0.0
Systems Administrator	11	4.0	0.0	0.0	4.0	0.0
Technical Project Manager	13	1.0	0.0	0.0	1.0	0.0
INFORMATION TECHNOLOGY TOTAL		32.0	0.0	0.0	32.0	0.0
LEGAL						
General Counsel	19	1.0	0.0	0.0	1.0	0.0
Deputy General Counsel	15	1.0	0.0	0.0	1.0	0.0
Env Health & Safety Manager	13	1.0	0.0	0.0	1.0	0.0
Envi Health & Safety Intern	1	0.5	0.0	0.0	0.5	0.0
Staff Attorney	13	1.0	0.0	0.0	1.0	0.0
LEGAL TOTAL		4.5	0.0	0.0	4.5	0.0
MARKETING						
Dir Marketing & Communications	16	1.0	0.0	0.0	1.0	0.0
Community Engagement Specialis	8	1.0	0.0	0.0	1.0	0.0
Creative Design Manager	11	1.0	0.0	0.0	1.0	0.0
Digital Content Developer	8	1.0	0.0	0.0	1.0	0.0
Graphic Designer	7	2.0	0.0	0.0	2.0	0.0
Marketing Coordinator	OLD	1.0	0.0	0.0	1.0	0.0
Mgr of Marketing & Communicati	12	1.0	0.0	0.0	1.0	0.0
Multimedia Designer	8	1.0	0.0	0.0	1.0	0.0

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
POSITION INFORMATION (DETAILED POSITION FORMAT) Att.G, Item 4, 04/10/25
FISCAL YEAR 2026 PROPOSED BUDGET
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	Salary Grade	Amended Budget FY 2025 (FTE's)	Position Shifts (FTE's)	Net Positons Requiring Funding Adjs (FTE's)	Proposed FY 2026 (FTE's)	Frozen Positions (FTE's)
Public Relations Specialist	10	1.0	0.0	0.0	1.0	0.0
Social Media Coordinator	3	1.0	0.0	0.0	1.0	0.0
MARKETING TOTAL		11.0	0.0	0.0	11.0	0.0

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
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PLANNING						
Assoc Transportation Planner	8	1.0	0.0	0.0	1.0	0.0
Dir of Planning & Scheduling	15	1.0	0.0	0.0	1.0	0.0
Manager of Scheduling	13	1.0	0.0	0.0	1.0	0.0
Planning Intern	1	0.5	0.0	0.0	0.5	0.0
Senior Scheduler	8	2.0	0.0	0.0	2.0	0.0
Senior Transportation Planner	10	2.0	0.0	0.0	2.0	0.0
Transit Services Data Analyst	8	2.0	0.0	0.0	2.0	0.0
PLANNING TOTAL		9.5	0.0	0.0	9.5	0.0
PROCUREMENT						
Manager of Procurement	13	1.0	0.0	0.0	1.0	0.0
Buyer	7	1.0	0.0	0.0	1.0	0.0
Contract Specialist	7	1.0	0.0	0.0	1.0	0.0
Contracts Administrator	9	1.0	0.0	0.0	1.0	0.0
Director of Supply Chain & Ops	15	1.0	0.0	0.0	1.0	0.0
Principal Contract Admin	11	1.0	0.0	0.0	1.0	0.0
Procurement Specialist	10	9.0	0.0	0.0	9.0	0.0
Senior Procurement Specialist	11	1.0	0.0	0.0	1.0	0.0
PROCUREMENT TOTAL		16.0	0.0	0.0	16.0	0.0
RIGHT OF WAY						
Manager of Real Estate Assets	14	1.0	0.0	0.0	1.0	0.0
Right of Way Permit Coord	9	1.0	0.0	0.0	1.0	0.0
RIGHT OF WAY TOTAL		2.0	0.0	0.0	2.0	0.0
RISK						
Claims Specialist	7	1.0	0.0	0.0	1.0	0.0
Liability Claims Supervisor	10	1.0	0.0	0.0	1.0	0.0
Manager of Risk and Claims	13	1.0	0.0	0.0	1.0	0.0
Workers' Compensation Analyst	8	1.0	0.0	0.0	1.0	0.0
RISK TOTAL		4.0	0.0	0.0	4.0	0.0
SECURITY						
Asst Mgr of Field Operations	10	1.0	0.0	0.0	1.0	0.0
Clerk Typist/Data Entry TSS	BU	2.0	0.0	0.0	2.0	0.0
Code Compl Insp-Canine Handler	BU	3.0	0.0	0.0	3.0	0.0
Code Compliance Inspector	BU	95.0	0.0	0.0	95.0	0.0
Code Compliance Investigator	10	1.0	0.0	0.0	1.0	0.0
Code Compliance Supervisor	8	20.0	0.0	0.0	20.0	0.0
Code Compliance Train Sup (MC)	9	1.0	0.0	0.0	1.0	0.0
Dep Dir of Transit Sec & Pass	13	1.0	0.0	0.0	1.0	0.0
Dir of Transit Security & Pass	17	1.0	0.0	0.0	1.0	0.0
Dispatch Sup - Transit Enf	8	2.0	0.0	0.0	2.0	0.0
Dispatcher - Transit Enf	BU	5.0	0.0	0.0	5.0	0.0
Mgr of Ops-Transit Sec & Pass	11	1.0	0.0	0.0	1.0	0.0
Operational and Crime Data Ana	8	1.0	0.0	0.0	1.0	0.0
Professional Standards Manager	10	1.0	0.0	0.0	1.0	0.0
Records Manager	10	1.0	0.0	0.0	1.0	0.0
Records Specialist	7	2.0	0.0	0.0	2.0	0.0
Security Systems Administrator	9	1.0	0.0	0.0	1.0	0.0
SECURITY TOTAL		139.0	0.0	0.0	139.0	0.0
STORES (ADMIN)						
Inventory Planning and Forecas	9	1.0	0.0	0.0	1.0	0.0
Manager of Inventory Ops	12	1.0	0.0	0.0	1.0	0.0
STORES (ADMIN) TOTAL		2.0	0.0	0.0	2.0	0.0

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
POSITION INFORMATION (DETAILED POSITION FORMAT)
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	Salary Grade	Amended Budget FY 2025 (FTE's)	Position Shifts (FTE's)	Net Positons Requiring Funding Adjs (FTE's)	Proposed FY 2026 (FTE's)	Frozen Positions (FTE's)
STORES (BUS)						
Storeroom Clerks - IAD	BU	5.0	0.0	0.0	5.0	0.0
Storeroom Clerks - KMD	BU	6.0	0.0	0.0	6.0	0.0
Supervisor of Warehouse Ops	8	2.0	0.0	0.0	2.0	0.0
STORES (BUS) TOTAL		13.0	0.0	0.0	13.0	0.0
STORES (RAIL)						
Storekeeper	BU	6.0	0.0	0.0	6.0	0.0
Supervisor of Warehouse Ops	8	1.0	0.0	0.0	1.0	0.0
STORES (RAIL) TOTAL		7.0	0.0	0.0	7.0	0.0
TELEPHONE INFORMATION SERVICES						
Asst Supvr of Info & Trip Plan	7	1.0	0.0	0.0	1.0	0.0
Info & Trip Planning Supvr	8	1.0	0.0	0.0	1.0	0.0
Info and Trip Planning Clerk	BU	15.0	0.0	0.0	15.0	0.0
TELEPHONE INFORMATION SERVICES TO		17.0	0.0	0.0	17.0	0.0
TRANSIT STORES						
Transit Store Supervisor	7	1.0	0.0	0.0	1.0	0.0
Asst Transit Store Supervisor	7	1.0	0.0	0.0	1.0	0.0
Senior Transit Store Clerk	BU	1.0	0.0	0.0	1.0	0.0
Transit Store Clerk	BU	5.0	0.0	0.0	5.0	0.0
TRANSIT STORES TOTAL		8.0	0.0	0.0	8.0	0.0
Subtotal MTS Administration		**344.5**	**0.0**	**0.5**	**345.0**	**0.0**

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
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Bus Operations						
CONTRACT SERVICES						
Director of Contract Services	15	1.0	0.0	0.0	1.0	0.0
Contract Operations Administra	6	1.0	0.0	0.0	1.0	0.0
Intern - Transit Services	0	0.5	0.0	0.0	0.5	0.0
Mgr of Paratransit & Mini Bus	13	1.0	0.0	0.0	1.0	0.0
Passenger Facilities Coord.	2	2.0	0.0	0.0	2.0	0.0
Sr Contract Operations Adminis	9	1.0	0.0	0.0	1.0	0.0
Supervisor of Para-Transit	7	1.0	0.0	0.0	1.0	0.0
Supvr of Passenger Facilities	10	1.0	0.0	0.0	1.0	0.0
CONTRACT SERVICES TOTAL		8.5	0.0	0.0	8.5	0.0
EXECUTIVE (BUS)						
Chief Op Officer-Transit Servs	20	1.0	0.0	0.0	1.0	0.0
Executive Assistant (COO Bus)	8	1.0	0.0	0.0	1.0	0.0
EXECUTIVE (BUS) TOTAL		2.0	0.0	0.0	2.0	0.0
MAINTENANCE						
Admin Asst II - Maintenance	3	1.0	0.0	0.0	1.0	0.0
Administrative Assistant - Mai	2	1.0	0.0	0.0	1.0	0.0
Body Shop Apprentice I - KMD	BU	1.0	0.0	0.0	1.0	0.0
Body Shop Apprentice II - KMD	BU	2.0	0.0	0.0	2.0	0.0
Bus Maintenance Trainer	11	1.0	0.0	0.0	1.0	0.0
Communications Tech - IAD	BU	2.0	0.0	0.0	2.0	0.0
Dir of Fleet & Facility Maint	16	1.0	0.0	0.0	1.0	0.0
Division Manager (Maint) - IAD	13	1.0	0.0	0.0	1.0	0.0
Division Manager (Maint) - KMD	13	1.0	0.0	0.0	1.0	0.0
Electronics Apprentice I - IAD	BU	2.0	0.0	0.0	2.0	0.0
Foreman - IAD	11	9.0	0.0	0.0	9.0	0.0
Foreman - KMD	11	7.0	0.0	0.0	7.0	0.0
Maintenance Analyst	7	1.0	0.0	0.0	1.0	0.0
Mechanic A - IAD	BU	20.0	0.0	0.0	20.0	0.0
Mechanic A - KMD	BU	26.0	0.0	0.0	26.0	0.0
Mechanic Apprentice I - IAD	BU	8.0	0.0	0.0	8.0	0.0
Mechanic Apprentice I - KMD	BU	9.0	0.0	0.0	9.0	0.0
Mechanic Apprentice II - IAD	BU	3.0	0.0	0.0	3.0	0.0
Mechanic Apprentice II - KMD	BU	2.0	0.0	0.0	2.0	0.0
Mechanic C - IAD	BU	17.0	0.0	0.0	17.0	0.0
Mechanic C - KMD	BU	9.0	0.0	0.0	9.0	0.0
Quality Assurance Inspector	10	1.0	0.0	0.0	1.0	0.0
Quality Assurance Supervisor	11	1.0	0.0	0.0	1.0	0.0
Servicer A - IAD	BU	48.0	0.0	0.0	48.0	0.0
Servicer A - KMD	BU	12.0	0.0	0.0	12.0	0.0
Sign Truck Operator	BU	1.0	0.0	0.0	1.0	0.0
Sup of Maintenance Training	12	1.0	0.0	0.0	1.0	0.0
ZEV and Sustainability Manager	13	1.0	0.0	0.0	1.0	0.0
MAINTENANCE TOTAL		189.0	0.0	0.0	189.0	0.0

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MAINTENANCE-FACILITY						
Bldng Maint Apprentice - IAD	BU	2.0	0.0	0.0	2.0	0.0
Facilities Supervisor - Bus	7	1.0	0.0	0.0	1.0	0.0
Mechanic A - Facilities - IAD	BU	2.0	0.0	0.0	2.0	0.0
MAINTENANCE-FACILITY TOTAL		5.0	0.0	0.0	5.0	0.0
PASSENGER SERVICES						
Customer Service Supervisor	6	2.0	0.0	0.0	2.0	0.0
Asst Passenger Support Sup	5	1.0	0.0	0.0	1.0	0.0
Director of Support Services	14	1.0	0.0	0.0	1.0	0.0
Operations Asst - Ride Checker	0	1.0	0.0	0.0	1.0	0.0
Passenger Support Supervisor	7	1.0	0.0	0.0	1.0	0.0
Support Services Analyst	6	1.0	0.0	0.0	1.0	0.0
Support Services Coordinator	2	2.0	0.0	0.0	2.0	0.0
PASSENGER SERVICES TOTAL		9.0	0.0	0.0	9.0	0.0
REVENUE (BUS)						
Asst Rev Technicians - IAD	BU	2.0	0.0	0.0	2.0	0.0
Asst Rev Technicians - KMD	BU	1.0	0.0	0.0	1.0	0.0
Revenue Technicians - IAD	BU	2.0	0.0	0.0	2.0	0.0
Revenue Technicians - KMD	BU	1.0	0.0	0.0	1.0	0.0
REVENUE (BUS) TOTAL		6.0	0.0	0.0	6.0	0.0
SAFETY						
Manager of Safety (Bus)	13	1.0	0.0	0.0	1.0	0.0
Transit Safety Specialist	9	1.0	0.0	0.0	1.0	0.0
SAFETY TOTAL		2.0	0.0	0.0	2.0	0.0
TRAINING						
Bus Op Training Instructor	8	8.0	0.0	0.0	8.0	0.0
Manager of Training (Transp)	11	1.0	0.0	0.0	1.0	0.0
Training Administrator	5	1.0	0.0	0.0	1.0	0.0
Training Development Specialis	8	1.0	0.0	0.0	1.0	0.0
TRAINING TOTAL		11.0	0.0	0.0	11.0	0.0
TRANSPORTATION (BUS)						
Director of Transportation	17	1.0	0.0	0.0	1.0	0.0
Admin Asst II - Operations	3	1.0	0.0	0.0	1.0	0.0
Bus Operators - F/T	BU	537.0	0.0	-17.0	520.0	0.0
Comm/Ops Supv-Dispatch IAD	10	8.0	0.0	0.0	8.0	0.0
Comm/Ops Supv-Radio	10	8.0	0.0	0.0	8.0	0.0
Dispatch Clerk	BU	4.0	0.0	0.0	4.0	0.0
Dispatch Clerk - KMD	BU	2.0	0.0	0.0	2.0	0.0
Manager of Service Operations	12	1.0	0.0	0.0	1.0	0.0
Manager of Transp Comm & Tech	12	1.0	0.0	0.0	1.0	0.0
Service Operations Supervisor	10	14.0	0.0	0.0	14.0	0.0
Trans Div Manager - IAD	13	1.0	0.0	0.0	1.0	0.0
Trans Div Manager - KMD	13	1.0	0.0	0.0	1.0	0.0
Transp Comm & Technology Supvr	11	1.0	0.0	0.0	1.0	0.0
Transp Service Quality Spec	7	1.0	0.0	0.0	1.0	0.0
TRANSPORTATION (BUS) TOTAL		581.0	0.0	-17.0	564.0	0.0
Subtotal Bus Operations		**813.5**	**0.0**	**-17.0**	**796.5**	**0.0**

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
POSITION INFORMATION (DETAILED POSITION FORMAT)
FISCAL YEAR 2026 PROPOSED BUDGET
SECTION 10.04

	Salary Grade	Amended Budget FY 2025 (FTE's)	Position Shifts (FTE's)	Net Positons Requiring Funding Adjs (FTE's)	Proposed FY 2026 (FTE's)	Frozen Positions (FTE's)
Rail Operations						
EXECUTIVE (RAIL)						
Chief Operating Officer (Rail)	20	1.0	0.0	0.0	1.0	0.0
Manager of Special Operations	12	1.0	0.0	0.0	1.0	0.0
System Safety Manager (Rail)	13	1.0	0.0	0.0	1.0	0.0
System Safety Specialist	10	1.0	0.0	0.0	1.0	0.0
EXECUTIVE (RAIL) TOTAL		4.0	0.0	0.0	4.0	0.0
FACILITIES						
Admin Asst II - Facilities	3	1.0	0.0	0.0	1.0	0.0
Director of Rail Facilities	16	1.0	0.0	0.0	1.0	0.0
Facilities Supervisor	7	6.0	0.0	0.0	6.0	0.0
Manager of Rail Facilities	11	1.0	0.0	0.0	1.0	0.0
Serviceperson	BU	72.0	0.0	0.0	72.0	0.0
FACILITIES TOTAL		81.0	0.0	0.0	81.0	0.0
LIGHT RAIL VEHICLES						
Assistant Training Sup - LRV	11	1.0	0.0	0.0	1.0	0.0
Clerk Typist/Data Entry LRV	BU	2.0	0.0	0.0	2.0	0.0
Director of LRV Maintenance	16	1.0	0.0	0.0	1.0	0.0
LRV Asst Lineman	BU	27.0	0.0	0.0	27.0	0.0
LRV Electromechanic	BU	48.0	0.0	0.0	48.0	0.0
LRV Lineman	BU	14.0	0.0	0.0	14.0	0.0
LRV Maint Supervisor	11	10.0	0.0	0.0	10.0	0.0
LRV Project Cordinator/Analyst	10	1.0	0.0	0.0	1.0	0.0
Maintenance Analyst (LRV)	6	1.0	0.0	0.0	1.0	0.0
Manager of LRV Maintenance	13	1.0	0.0	0.0	1.0	0.0
Training Supervisor - LRV	12	1.0	0.0	0.0	1.0	0.0
LIGHT RAIL VEHICLES TOTAL		107.0	0.0	0.0	107.0	0.0
MAINTENANCE OF WAYSIDE						
Asst Training Supervisor - MOW	11	1.0	0.0	0.0	1.0	0.0
Director of MOW	16	1.0	0.0	0.0	1.0	0.0
Manager of MOW	13	1.0	0.0	0.0	1.0	0.0
MOW Contracts & Budget Analyst	9	1.0	0.0	0.0	1.0	0.0
Training Supervisor - MOW	12	1.0	0.0	0.0	1.0	0.0
Wayside Assistant Lineman	BU	13.0	0.0	0.0	13.0	0.0
Wayside Electromechanic	BU	15.0	0.0	0.0	15.0	0.0
Wayside Lineman	BU	8.0	0.0	0.0	8.0	0.0
Wayside Maintenance Supervisor	11	5.0	0.0	0.0	5.0	0.0
MAINTENANCE OF WAYSIDE TOTAL		46.0	0.0	0.0	46.0	0.0
PASSENGER SUPPORT (RAIL)						
Lead Passenger Support Rep	2	1.5	0.0	0.0	1.5	0.0
Passenger Support Rep	1	21.0	0.0	0.0	21.0	0.0
PASSENGER SUPPORT (RAIL) TOTAL		22.5	0.0	0.0	22.5	0.0

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
POSITION INFORMATION (DETAILED POSITION FORMAT)
FISCAL YEAR 2026 PROPOSED BUDGET
SECTION 10.04

	Salary Grade	Amended Budget FY 2025 (FTE's)	Position Shifts (FTE's)	Net Positons Requiring Funding Adjs (FTE's)	Proposed FY 2026 (FTE's)	Frozen Positions (FTE's)
REVENUE (RAIL)						
Lead Revenue Maint Supervisor	12	1.0	0.0	0.0	1.0	0.0
Revenue Maintainer I	BU	3.0	0.0	0.0	3.0	0.0
Revenue Maintainer II	BU	3.0	0.0	0.0	3.0	0.0
Revenue Maintainer III	BU	12.0	0.0	0.0	12.0	0.0
Revenue Maintenance Supervisor	11	1.0	0.0	0.0	1.0	0.0
REVENUE (RAIL) TOTAL		20.0	0.0	0.0	20.0	0.0
REVENUE OPERATIONS (RAIL)						
Collector / Processor	BU	8.0	0.0	0.0	8.0	0.0
Revenue Analyst (Rail)	7	1.0	0.0	0.0	1.0	0.0
Revenue Operations Assistant	1	1.0	0.0	0.0	1.0	0.0
Revenue Operations Manager	10	1.0	0.0	0.0	1.0	0.0
Ridership Surveyor	BU	2.0	0.0	0.0	2.0	0.0
REVENUE OPERATIONS (RAIL) TOTAL		13.0	0.0	0.0	13.0	0.0
TRACK						
Manager of Track and Structure	12	1.0	0.0	0.0	1.0	0.0
Track Supervisor	11	2.0	0.0	0.0	2.0	0.0
Trackperson	BU	16.0	0.0	0.0	16.0	0.0
Trackperson Equip Op	BU	3.0	0.0	0.0	3.0	0.0
TRACK TOTAL		22.0	0.0	0.0	22.0	0.0
TRANSPORTATION (RAIL)						
Assignments Supervisor	10	5.0	0.0	0.0	5.0	0.0
Central Control Info Rep	7	1.0	0.0	0.0	1.0	0.0
Central Control Supervisor	11	2.0	0.0	0.0	2.0	0.0
Construction Safety Flagperson	PT	42.5	0.0	0.0	42.5	0.0
Construction Safety Supervisor	7	4.0	0.0	0.0	4.0	0.0
Dir of Rail Transportation	17	1.0	0.0	0.0	1.0	0.0
Lead Transportation Sup	11	1.0	0.0	0.0	1.0	0.0
Manager of Rail Transportation	13	1.0	0.0	0.0	1.0	0.0
Train Operator	BU	137.0	0.0	0.0	137.0	0.0
Train Operator - PT	BU	52.7	0.0	0.0	52.7	0.0
Training Supervisor - Trans	11	3.0	0.0	0.0	3.0	0.0
Transportation Controller	10	16.0	0.0	0.0	16.0	0.0
Transportation Supervisor	10	16.0	0.0	0.0	16.0	0.0
TRANSPORTATION (RAIL) TOTAL		282.2	0.0	0.0	282.2	0.0
Subtotal Rail Operations		**597.7**	**0.0**	**0.0**	**597.7**	**0.0**

SAN DIEGO METROPOLITAN TRANSIT SYSTEM
POSITION INFORMATION (DETAILED POSITION FORMAT)
FISCAL YEAR 2026 PROPOSED BUDGET
SECTION 10.04

	Salary Grade	Amended Budget FY 2025 (FTE's)	Position Shifts (FTE's)	Net Positons Requiring Funding Adjs (FTE's)	Proposed FY 2026 (FTE's)	Frozen Positions (FTE's)
Other MTS Operations						
FHV ADMINISTRATION						
For-Hire Vehicle Administratio	11	1.0	0.0	0.0	1.0	0.0
Regulatory Analyst	7	1.0	0.0	0.0	1.0	0.0
Regulatory Assistant	7	1.0	0.0	0.0	1.0	0.0
Regulatory Inspector	3	3.0	0.0	0.0	3.0	0.0
Regulatory Supervisor	8	1.0	0.0	0.0	1.0	0.0
FHV ADMINISTRATION TOTAL		7.0	0.0	0.0	7.0	0.0
Subtotal Other MTS Operations		**7.0**	**0.0**	**0.0**	**7.0**	**0.0**
Grand Total		**1,762.7**	**0.0**	**-16.5**	**1,746.2**	**0.0**

Metropolitan Transit System

Agenda Item No. 5

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
EXECUTIVE COMMITTEE

April 10, 2025

SUBJECT:

Real Estate and Joint Development Program Status Update (Sean Myott and Karen Landers)

INFORMATIONAL ONLY

Budget Impact

None

DISCUSSION:

Staff will present a briefing on joint development projects and negotiations related to potential projects.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Metropolitan Transit System

Agenda Item No. 6

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
EXECUTIVE COMMITTEE

April 10, 2025

SUBJECT:

Assembly Bill (AB) 1070 *Transit districts: governing boards: compensation: nonvoting members* (Sharon Cooney)

INFORMATIONAL ONLY

Budget Impact

While there are no immediate budget impacts, if signed into law this legislation could create new costs for stipends, administrative costs associated with appointments, Board room modifications to fit more members at the dais, and additional legal costs to support the new members.

DISCUSSION:

AB 1070 (Ward) proposes changes to transit agency boards which would have an impact on the operation of the MTS Board of Directors.

Board Member Compensation

Current law limits compensation to transit district board members (including MTS board members) by tying it to attendance at agency board meetings or for days that the member is "engaged in other district business."[1] MTS's enabling legislation, Public Utilities Code section 120107, further provides that MTS board members "shall be compensated for each day the member attends meetings of the board and committees of the board…" MTS Ordinance No. 10 implements these rules by setting a $150 per board or committee meeting stipend and establishing limits on how many meetings may be attended per quarter.

The current version of AB 1070 would add an additional requirement before an agency could provide compensation to transit district board members who attend board or committee meetings: the board member would be required to demonstrate personal use of the transit system for at least one hour or four trips during the month for which the board member seeks compensation.

[1] Public Utilities Code section 99156.

San Diego Metropolitan Transit System (MTS) is a California public agency comprised of San Diego Transit Corp., San Diego Trolley, Inc. and San Diego and Arizona Eastern Railway Company (nonprofit public benefit corporations). MTS member agencies include the cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and the County of San Diego. MTS is also the For-Hire Vehicle administrator for multiple cities in San Diego County.

Adding Non-Voting Members to Board

MTS's enabling legislation, Public Utilities Code sections 120000 *et seq*, expressly establishes a 15-member governing board and specifies that it will be composed of elected members of the 10 city councils and the county board of supervisors that fall within MTS's jurisdictional boundaries. Each city council and the board of supervisors are empowered to select their MTS board representatives consistent with the requirements of Public Utilities Code sections 120050.2, 120051, and 120051.6.

AB 1070 would require the governing board of a transit district to include two additional non-voting board members, bringing MTS board membership to 17 members. These new non-voting board members would be required to be (1) a user of MTS transit services, and (2) an individual appointed by the labor organization representing a plurality of represented employees within the transit district. The bill would require nonvoting members and alternate nonvoting members to have certain rights and protections, including the right to attend and participate in all public meetings of the governing board, except as specified. Each category shall also have a first and second alternate non-voting board member, for a total of 4 alternate non-voting board members.

Staff will provide the Committee with a report on this bill and seek feedback on next steps.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachment: A. AB 1070 (as amended in the Assembly on April 3, 2025)

AMENDED IN ASSEMBLY APRIL 3, 2025

CALIFORNIA LEGISLATURE—2025–26 REGULAR SESSION

ASSEMBLY BILL No. 1070

Introduced by Assembly Member Ward

February 20, 2025

An act to amend Section 99156 of, and to add Section 99156.5 to, the Public Utilities Code, relating to transportation.

LEGISLATIVE COUNSEL'S DIGEST

AB 1070, as amended, Ward. Transit districts: governing boards: compensation: nonvoting members.

Existing law provides for the formation of various transit districts and specifies the duties and powers of their governing boards. Existing law authorizes a transit district to compensate a member of the governing board for attending a board meeting and for engaging in other district business, as provided.

This bill would prohibit a transit district from compensating a member of the governing board unless the member demonstrates personal use of the transit system, as specified. The bill would require the governing board of a transit district to include 2 nonvoting members and 4 alternate nonvoting members, as specified. *The bill would require nonvoting members and alternate nonvoting members to have certain rights and protections, including the right to attend and participate in all public meetings of the governing board, except as specified.* The bill would ~~authorize~~ *require* the chair of the governing board of a transit district to exclude these nonvoting members from meetings ~~discussing~~ *discussing, among other things,* negotiations with labor organizations. By expanding the duties of transit districts, the bill would impose a state-mandated local program.

The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.

This bill would provide that, if the Commission on State Mandates determines that the bill contains costs mandated by the state, reimbursement for those costs shall be made pursuant to the statutory provisions noted above.

Vote: majority. Appropriation: no. Fiscal committee: yes. State-mandated local program: yes.

The people of the State of California do enact as follows:

SECTION 1. Section 99156 of the Public Utilities Code is amended to read:

99156. (a) Notwithstanding any other law, a transit district may provide compensation to a member of the governing board of the district only for attendance at a meeting of the board or for each day the member is engaged in other district business within or without the district. A member who engages in district business other than attendance at board meetings shall first obtain authorization of the board for reimbursement of travel expenses or other compensation before engaging in that business and shall submit a report thereof to the board for all expenditures.

(b) A transit district shall not provide compensation to a member of the governing board of the district unless the member demonstrates, through evidence or attestation recorded by the clerk of the board, personal use of the transit system for at least one hour or for four trips during the month for which the member seeks compensation.

SEC. 2. Section 99156.5 is added to the Public Utilities Code, to read:

99156.5. (a) Notwithstanding any other law, the governing board of a transit district shall include two nonvoting members and four alternate nonvoting members, as follows:

(1) The first nonvoting member shall be a user of mass transit services provided by the transit district and shall be recommended for appointment by a transit advisory council representing transit users. There shall be two nonvoting alternates to the first nonvoting member as follows:

(A) The first nonvoting alternate to the nonvoting member described in paragraph (1) shall be a user of mass transit services provided by the transit district and shall be recommended for appointment by a commuter council associated with a major transit service in the state.

(B) The second nonvoting alternate to the nonvoting member described in paragraph (1) shall be a user of mass transit services provided by the transit district and shall be recommended for appointment by a commuter council associated with a transit service, other than the transit service described in subparagraph (A), that is under the transit district's jurisdiction.

(2) The second nonvoting member shall be recommended for appointment by the labor organization ~~representing the majority of the employees of a major transit system in the state.~~ *that represents a plurality of represented employees within the transit district.* There shall be two nonvoting alternates to the second nonvoting member as follows:

(A) The first nonvoting alternate to the nonvoting member described in paragraph (2) shall be recommended for appointment by the labor organization ~~representing the majority of employees of a major transit system in the state.~~ *that represents a plurality of represented employees within the transit district.*

(B) The second nonvoting alternate to the nonvoting member described in paragraph (2) shall be recommended for appointment by the labor organization ~~representing the majority of employees of a major transit system in the state.~~ *that represents a plurality of represented employees within the transit district.*

~~(C) The nonvoting members described in this paragraph shall be recommended for appointment by labor organizations representing employees of different transit systems.~~

(b) Nonvoting members and alternate nonvoting members shall be appointed according to the following procedures:

(1) The chair of the governing board shall appoint the nonvoting members and alternate nonvoting members from the recommendations provided by the respective organizations within 31 days of receiving the recommendations.

(2) If the chair does not receive recommendations within 31 days of a request or vacancy, the governing board may appoint qualified individuals to these positions by majority vote.

(3) If the chair determines that a recommended individual does not meet the qualifications specified in this section, the chair shall request a new recommendation from the respective organization.

(4) Appointments shall be made at a regular meeting of the governing board and shall be recorded in the minutes of that meeting.

(c) The nonvoting members and alternate nonvoting members shall have the following rights and protections:

(1) The right to attend and participate in all public meetings of the governing board except as provided in subdivision (d).

(2) The right to receive all meeting materials provided to voting members of the governing board.

(3) The right to place items on the agenda related to transit service and labor matters, subject to the same procedures applicable to voting members.

(4) Protection from retaliation for their participation and statements made during board meetings.

~~(b)~~

(d) (1) The chair of the governing board of a transit district ~~may~~ *shall* exclude ~~the~~ *a* nonvoting ~~members~~ *member* and *any corresponding* alternate nonvoting ~~members~~ *member* from any portion of a meeting of the governing board or a committee ~~that discusses negotiations with labor organizations.~~ *if the portion of the meeting discusses any of the following:*

(A) Negotiations with labor organizations.

(B) Personnel matters specifically related to individual employees.

(C) Confidential legal matters where attorney-client privilege applies.

(2) When a nonvoting member is excluded from a meeting pursuant to this subdivision, any corresponding alternate nonvoting member shall also be excluded.

SEC. 3. If the Commission on State Mandates determines that this act contains costs mandated by the state, reimbursement to local agencies and school districts for those costs shall be made pursuant to Part 7 (commencing with Section 17500) of Division 4 of Title 2 of the Government Code.

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Metropolitan Transit System

Board of Directors

Agenda

April 17, 2025 at 9:00 a.m.

In-Person Participation: James R. Mills Building, 1255 Imperial Avenue, 10th Floor Board Room, San Diego CA 92101

Teleconference Participation: (669) 254-5252; Webinar ID: 160 280 5839, https://www.zoomgov.com/j/1602805839

NO.	ITEM SUBJECT AND DESCRIPTION	ACTION
1.	**Roll Call**	
2.	**Public Comments** This item is limited to five speakers with two minutes per speaker. Others will be heard after Board Discussion items. If you have a report to present, please give your copies to the Clerk of the Board.	
	CONSENT ITEMS	
3.	**Approval of Minutes** Action would approve the March 13, 2025 Board of Director meeting minutes.	Approve
4.	**CEO Report**	Informational
5.	**Traction Power Substations (TPSS) Design – Work Order Amendment** Action would authorize the Chief Executive Officer (CEO) to execute Amendment No. 1 to Work Order WOA357-AE-31.01, under MTS Doc No. PWL357.0-22, with CR Associates (CRA), a Disadvantaged Business Enterprise (DBE), in the amount of $279,964.04 for design services to provide additional survey data and right-of-way services for future TPSS substation replacements.	Approve
6.	**Emergency Telecommunications System at Trolley Stations – Contract Award** Action would authorize the Chief Executive Officer (CEO) to: 1) Execute MTS Doc. L1675.0-24, with Western Automated Solutions, Inc. (Western Automated), for an Emergency Telecommunications System at Trolley Stations for a three (3) year base period with three (3) 1-year options, for a total amount of $672,140.40; and 2) Exercise the option years at the CEO's discretion.	Approve

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7. **Imperial Avenue Division (IAD) 2nd Floor Administration Restroom Rehabilitation – Work Order Agreement** — Approve

Action would authorize the Chief Executive Officer (CEO) to execute Work Order Agreement MTSJOC324-62 under Job Order Contract (JOC) MTS Doc. No. PWG324.0-21 with ABC General Contracting, Inc. (ABCGC), in the amount of $375,626.65, for the rehabilitation of restrooms located on the 2nd floor of the administration building at IAD.

8. **Variable Message Signs (VMS) Installations for Blue and Green Lines – Contract Award** — Approve

Action would authorize the Chief Executive Officer (CEO) to execute contract MTS Doc. No. PWL427.0-25, with M J Builder, in the amount of $528,850.00 for the VMS replacements on the Blue and Green Lines.

9. **Rail Maintenance Program Including Rail Grinding Services – Contract Award** — Approve

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWL420.0-25 with Advanced Rail Management Corporation (ARM Corp) for a Rail Maintenance Program Including Rail Grinding Services for five (5) years for $3,885,717.17.

10. **Radio Airtime and Maintenance – Contract Award** — Approve

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. G2947.0-25, with Mobile Relay Associates, for Radio Airtime and Maintenance services for a three (3) year base term with two (2) option years, for a total of $706,479.26.

11. **Fiscal Year (FY) 2024-2025 Low Carbon Transit Operations Program (LCTOP) Funding** — Approve

Action would adopt Resolution No. 25-02 to: 1) Agree to comply with all conditions and requirements set forth in the Certification and Assurances Document, and applicable statutes, regulations, and guidelines for all LCTOP funded transit projects; 2) Authorize the Chief Executive Officer (CEO), or designated representative, to execute all required documents of the LCTOP and any amendments thereto with the California Department of Transportation; 3) Authorize the allocation of $8,376,706 in FY 2024-2025 LCTOP funding for the procurement of Battery Electric Buses (BEBs), which will reduce greenhouse gas emissions and improve mobility with a priority on serving Disadvantaged Communities (DAC); and 4) Certify that at least 50% of the total LCTOP funds received will be spent on projects or services that will benefit DACs identified in Section 39711 of the Health and Safety Code.

12. **Federal Fiscal Year (FFY) 2023 (SANDAG Cycle 12) Federal Transit Administration (FTA) Section 5310 Enhanced Mobility for Seniors and Individuals with Disabilities – Grant Award** — Approve

Action would 1) Accept the FFY 2023 Section 5310 Enhanced Mobility for Seniors and Individuals with Disabilities Cycle 12 awarded by the San Diego Association of Governments (SANDAG) in the amount of $952,861 for

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paratransit vehicle procurement; and 2) Authorize $525,563.15 in local matching funds to fully fund the purchase of seven (7) Americans with Disabilities Act (ADA) paratransit vehicles.

13. **Orange Line Improvement Project (OLIP) (Phase 2): Owner Furnished Special Trackwork Procurement – Contract Award** — Approve

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. L1699.0-25, with Progress Rail Services (Progress Rail), for the one-time supply of special trackwork materials, in the amount of $2,050,595.75, inclusive of 8.5% CA Sales Tax.

14. **Purchase of Hardened Steel Rail – Contract Award** — Approve

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. L1694.0-25, with L.B. Foster Company (L.B. Foster) for the purchase of 736 tons of hardened steel rail, with the option to purchase an additional 368 tons, all in 320 linear feet (LF) lengths, for a total of $2,134,070.64 which includes delivery and California sales tax.

15. **Purchase of Refurbished Wheel Truing Machine – Sole Source Contract Award** — Approve

Action would authorize the issuance of a Purchase Order (PO) to Delta Wheel Truing Solutions for the purchase of a refurbished RTS 2000-DOM Above Floor Wheel Maintenance System for $558,250.00 including shipping and sales tax.

16. **7th And C Street Grade Crossing Replacement – Work Order Agreement**

Action would authorize the Chief Executive Officer (CEO) to execute Work Order No. MTSJOC348-18, under MTS Doc. No. PWG348.0-22, in the amount of $961,744.18, with Veterans Engineering Inc. (Veterans), a Disabled Veterans Business Enterprise (DVBE), for the replacement of the existing grade crossing and installation of a duct bank to support future parallel feeder replacement at 7th and C Street in downtown San Diego. — Approve

17. **El Cajon Transit Center Repairs – Work Order Agreement**

Action would authorize the Chief Executive Officer (CEO) to execute Work Order Agreement No. MTSJOC347-40, under MTS Doc. No. PWG347.0-22, with ABC General Contractor, Inc. (ABCGC), in the amount of $926,204.08 for the El Cajon Transit Center Repairs. — Approve

18. **Massachusetts Station Pavement Repair – Work Order Agreement**

Action would authorize the Chief Executive Officer (CEO) to execute Work Order No. MTSJOC347-39, under MTS Doc. No. PWG347.0-22, with ABC General Contractor, Inc. (ABCGC), in the amount of $399,627.73 for the Massachusetts Station Pavement Repair. — Approve

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19. **Mural Artwork on MTS East Beyer Rail Bridge located in San Ysidro – Contract Award** — Approve

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc No. PWL421.0-25, with Michelle Guerrero, DBA, Mr. B Baby, a Small Business (SB), for the design and installation and an as-needed five-year maintenance plan for mural artwork on the MTS East Beyer Rail Bridge in the amount of $169,938.17.

20. **Bus "In-Lane" Revenue Collection Hardware – Sole Source Contract Award** — Approve

Action would authorize the Chief Executive Officer (CEO) to execute Contract B0774.0-24, with Genfare, LLC (Genfare), in the amount of $600,485.69 for the replacement of Genfare fare lane hardware at the Imperial Avenue Division (IAD) and the Kearny Mesa Division (KMD).

21. **Beyer Blvd Pathway Beautification Design – Work Order Amendment** — Approve

Action would 1) Ratify Work Order WOA355-AE-42, under MTS Doc No. PWL355.0-22, with Psomas in the amount of $149,827.08 for preliminary design work for the Beyer Blvd Pathway Beautification project; and
2) Authorize the Chief Executive Officer (CEO) to execute Work Order Amendment WOA355-AE-42.02 under MTS Doc No. PWL355.0-22, with Psomas in the amount of $394,627.88, to provide 100% design services for the Beyer Blvd Pathway Beautification.

DISCUSSION ITEMS

22. **FY 2026 Operating Budget** — Approve

Agenda Item will be provided prior to Board Meeting.

23. **Customer Satisfaction Survey Results** — Approve

Agenda Item will be provided prior to Board Meeting.

PUBLIC HEARING

24. **Annual Required AB 2561 Report** — Informational

Agenda Item will be provided prior to Board Meeting.

OTHER ITEMS

25. **Chair, Board Member and Chief Executive Officer's (CEO's) Communications**

26. **Remainder of Public Comments Not on The Agenda**

This item is a continuation of item No. 2 (Public Comment), in the event all speakers who request to comment on item No. 2 are not called. If all Public Comment is accepted during item No. 2, no additional public comment will be accepted under this item.

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CLOSED SESSION

27. Public Comment for Closed Session

28. *Agenda Item will be provided prior to Board Meeting.* Possible Action

ADJOURNMENT

29. Next Meeting Date
The next Board of Director's meeting is scheduled for April 17, 2025 at 9:00am.

30. Adjournment

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Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 4

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Chief Executive Officer's (CEO) Report

AGENDA ITEM WILL BE PROVIDED BEFORE BOARD MEETING

1255 Imperial Avenue, Suite 1000, San Diego, CA 92101-7490 • (619) 231-1466 • sdmts.com

San Diego Metropolitan Transit System (MTS) is a California public agency comprised of San Diego Transit Corp., San Diego Trolley, Inc. and San Diego and Arizona Eastern Railway Company (nonprofit public benefit corporations). MTS member agencies include the cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and the County of San Diego. MTS is also the For-Hire Vehicle administrator for multiple cities in San Diego County.



Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 5

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Traction Power Substations (TPSS) Design – Work Order Amendment

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute Amendment No. 1 to Work Order WOA357-AE-31.01, under MTS Doc No. PWL357.0-22 (in substantially the same format as Attachment A), with CR Associates (CRA), a Disadvantaged Business Enterprise (DBE), in the amount of $279,964.04 for design services to provide additional survey data and right-of-way services for future TPSS substation replacements.

Budget impact

This total cost of this amendment is estimated to be $279,964.04, for a total contract cost of $2,327,389.53. This project will be funded by Capital Improvement Program (CIP) account 2005118601 – Substation Replacement.

DISCUSSION:

TPSS provide power to operate the electric-powered trolley system. TPSS are installed along the railroad right-of-way, generally at one-mile intervals. Trolleys receive power from the TPSS along the route through the overhead catenary system.

To maintain the trolley power system in a state of good repair, MTS programs replacement of TPSS equipment every thirty (30) years. Beyond the thirty-year lifespan, the substations require a higher level of maintenance and replacement parts become either obsolete, hard to find, or are very expensive to reverse engineer. The structures surrounding the substations deteriorate, the flooring becomes warped and creates safety hazards for MTS employees during maintenance calls.

Eighteen (18) substations have been identified for decommissioning and MTS will be replacing these substations in phases. On January 18, 2024 (Agenda Item (AI) 5), the MTS Board authorized a contract with CRA to perform design services to replace the first five (5) TPSS, in the following locations:



- Yard 1 TPSS at 13th Street in San Diego;
- Yard 2 TPSS at 13th Street in San Diego;
- Dairymart TPSS at 3415 Beyer Blvd in San Diego;
- Fletcher TPSS at 1151 Fesler Street in El Cajon; and
- Sweetwater TPSS at 410 W. 33rd Street in National City.

While the design work for the first five replacements was underway, MTS staff reviewed the remaining thirteen (13) substation replacement sites to: a) determine whether the existing substation could be taken off line while the new substation was installed, and b) if not, to ensure MTS had adequate land rights for construction, installation, and on-going maintenance of the replacement substation immediately adjacent to the existing equipment. Eight (8) locations require additional survey to confirm existing land rights and/or attainment of easements or fee property for the new equipment.

The Work Order and Amendments are summarized below:

Work Order No.	Purpose	Amount	Approval Date
WOA357-AE-31	Original Work Order	$2,047,425.49	Board Approval on January 18, 2024, AI 5
WOA357-AE-31.01	Add right-of-way and survey services	$279,964.04	**Today's proposed action**
	Total	**$2,327,389.53**	

Today's proposed action would issue an amendment to the work order agreement to expand its scope, incorporating right-of-way and survey services. These services are designed to thoroughly assess existing land rights, secure new ones, or renegotiate current agreements for eight additional Traction Power Substation (TPSS) locations. The CRA team will take a comprehensive approach to managing this process, including title clearance, property appraisal, and conducting detailed negotiations when needed with property owners to acquire the necessary real property rights on behalf of the MTS. The property interests required may encompass a variety of elements, including temporary construction easements (TCEs), access agreements, permanent road easements, and partial or full parcel acquisitions, ensuring the successful execution of the replacement TPSS sites.

The eight sites requiring additional survey and/or land rights include:

- Sweetwater
- Schley
- City College
- Front Street
- 33rd Street
- Pacifica
- Fletcher
- San Altos

Based on the level of effort and classifications, CRA's cost proposal was determined to be fair and reasonable.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Amendment No. 1 to Work Order WOA357-AE-31.01, under MTS Doc No. PWL357.0-22 (in substantially the same format as Attachment A), with CRA, a DBE, in the amount of $279,964.04 for design services to provide additional survey data and right of way services for future TPSS substation replacements.

This work order (including the survey work) is not subject to the Project Labor Agreement (PLA) approved under Board Policy No. 66 because it is under an A&E master agreement that was executed before the effective date of the PLA.

Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachments: A. Draft Work Order Amendment MTS Doc No. WOA357-AE-31.01

Metropolitan Transit System

April 17, 2025

MTS Doc. No. PWL357.0-22
WOA357-AE-31.01

Mr. Ross Duenas, PE
Executive Vice President/Principal
CR Associates
3900 Fifth Avenue, Suite 310
San Diego, CA 92103

Dear Mr. Duenas:

Subject: AMENDMENT NO. 1, TO WORK ORDER WOA357-AE-31, TO MTS DOC. NO. PWL357.0-22, DESIGN SERVICES FOR TRACTION POWER SUBSTATIONS (TPSS) DESIGN

This letter shall serve as Amendment No. 1 to Work Order WOA357-AE-31, under the General Engineering Consultant Agreement, MTS Doc. No. PWL357.0-22, as further described below.

SCOPE OF SERVICES

This Amendment adds Tasks 2.1, 4.12.1 and 5.0 to the Work Order to the Scope of Services for the replacement of existing TPSS. (Attachment A).

SCHEDULE

This Amendment adds one (1) year to the Schedule. The revised Schedule shall be for a period of sixteen (16) months from the date of the Notice to Proceed.

PAYMENT

This Amendment increases the Payment by $279,964.04. The revised Payment shall be based on actual costs in the amount $2,327,389.53. Payment shall not be exceeded without prior authorization of MTS. (Attachment B).

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Please sign below, and return the document to the Contracts Specialist at MTS. All other terms and conditions shall remain the same and in effect.

Sincerely,

Sharon Cooney
Chief Executive Officer

Accepted:

Ross Duenas, PE
Executive Vice President/Principal

Date: _____

Attachments: Attachment A, Scope of Services
Attachment B, Negotiated Fee Proposal

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ATTACHMENT A
SCOPE OF SERVICES

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TITLE: TRACTION POWER SUBSTATION DESIGN – ADDITIONAL 3.0 MW SUBSTATION DESIGN SERVICES **WOA #:** WOA357-AE-31.01

I. PROJECT DESCRIPTION

CR Associates is tasked with providing additional design services for the inclusion of a new 3.0 MW substation as part of the MTS Traction Power Substation project. This amendment revises the original planned substation installation to accommodate the new requirements.

II. SCOPE OF WORK

The scope of work shall consist of the following tasks and deliverables:

Task 2: Meetings

2.1 Regular Coordination:

1 Conduct bi-weekly project meetings during the design phases to ensure consistent communication and coordination among design team members.
2 Up to four (4) additional focused meetings will be held to address the specific needs of the additional substation design.

Task 4.12.1: Structures Design for Substation Foundations

1. Foundation Design:

1 Develop typical foundation details and a foundation footprint for the new 3.0 MW substation.
2 Design considerations will include yard sectionalizing, feed points, and the new duct bank layout.

2. Equipment Integration:

1 Gather and incorporate specifications for the 3.0 MW transformer to ensure the solution is constructible and operational with Siemens equipment.
2 Address and resolve footprint constraints due to the larger transformer size, providing tailored design solutions.

Deliverables:

1. Include one (1) additional foundation sheet and one (1) additional detail sheet in the 100% design submission. NTP + 4 Weeks
2. Perform and document additional foundation load calculations necessary for the 3.0 MW substation. NTP + 4 Weeks

Additional Information:

1. All work will align with the project's original design objectives and integrate seamlessly into existing plans.
2. Any further requirements or changes in scope will require separate evaluation and approval.

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Task 5: Right of Way Services

This task will encompass Right of Way and related Survey services to understand existing land rights and acquire new land rights for the Sweetwater TPSS and an additional six TPSS locations. Additionally, this task will encompass the R/W Surveying and Mapping, and Permitting efforts for the construction of the Sweetwater and Fletcher TPSS sites.

List of sites:

- Sweetwater
  - Adjacent to 3224 Hoover Ave, National City
- Schley
  - Southeast corner of Schley Street and Main Street, San Diego
- City College
  - Northeast corner of C Street and Park Boulevard, San Diego
- Front Street
  - Northwest side of Front Street between W Island Avenue and W Harbor Dr, San Diego
- 33rd Street
  - Relocate to new location southwest of Francis St and Tompkins St, San Diego
- Pacifica
  - Across from 3274 Main Street, Lemon Grove
- Fletcher
  - 1151 Fesler Street, El Cajon
- San Altos
  - Approximately 170 feet northeast of 1261 Orlando Drive, Lemon Grove, CA

The survey data in tasks 5.1-5.6 will be electronically transferred to MTS in CAD format as well as a GIS format. The work and drawings will be in the coordinate system NAD 83 Zone 6. The CAD files will be compatible with ESRI GIS software. The GIS files will have metadata detailing data source, data date, and attribute descriptions.

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Task 5.1 Sweetwater

The existing Sweetwater substation will remain in service while the new substation site is built and the new TPSS is installed. The new substation will be on the east side of the trolley tracks, approximately 400 feet north of the existing substation, adjacent to 3224 Hoover Ave, National City, CA 91950 on MTS fee property APN 562-311-13-00. See Exhibit 5.1 for more information.

The connection point between the existing access road and the proposed access road has an elevation differential of approximately five (5) feet. The alignment of the proposed access road is constrained within the MTS right-of-way, and the grading design needs to consider that grades are maintained along the western edge of the access road to protect existing utility structures. To achieve the necessary grade transition while adhering to a maximum slope of 2:1, grading will be required beyond the MTS right-of-way and into the adjacent property. Therefore, a temporary construction easement for grading efforts will be required, as shown on Exhibit 5.7.

- Task 5.1.1 Right of Way
  - Negotiate permanent access rights from Hoover Avenue or West 33rd St to substation via Caltrans right of way.
  - Negotiate license for fence encroachment on MTS property by 3224

Hoover Ave.
- MTS survey exhibit to be provided for location of fence encroachment on MTS property.

- Task 5.1.4 Temporary Construction Easement
  - Consultant to perform necessary work and communication with property owners to secure up to two (2) Temporary Construction Easements (TCE) for project construction. This may entail reappraisal and reoffering of just compensation with negotiation, and subsequent payment for and recording of easements. It is assumed that the Client will be responsible for the compensation to the property owners.
  - Consultant will provide up to two (2) Plat and Legals for the TCE.
  - Consultant will prepare a Caltrans Encroachment Permit Application for the work that is proposed within Caltrans right-of-way. The Consultant will prepare supporting documents for the permit and submit the full application with supporting documentation to Caltrans District 11 for review. This scope assumes two (2) Caltrans review cycles will be required to process the permit.

Task 5.2 Schley

In a future phase of the MTS TPSS replacement project, the Schley substation will be replaced in the southeast corner of the existing parking lot while the existing substation remains in service during construction. The existing substation is on APN 538-812-26-00 at the intersection of Schley St and Main St in San Diego, CA. The property is owned by National Steel & Shipbuilding Co (aka NASSCO) and the existing substation is on historic railroad easement. MTS believes the historic railroad easement extends to the new proposed substation location but requires confirmation via record searches and field survey. See Exhibit 5.2 for more information.

- Task 5.2.1 Right of Way
  - Negotiate temporary construction easement or right of entry permit on NASSCO property to facilitate the removal of the existing substation and construction of the new substation.
  - Depending on results of survey, negotiate additional permanent land rights for substation, substation appurtenances, and permanent access rights across larger parcel.
- Task 5.2.2 Survey
  - Stake property lines, MTS, Railroad, and third party easements in the field as shown on Exhibit 5.2, the Schley Substation, and the proposed new location in the southeasterly corner of APN 538-812-26-00.
  - Field survey the following:
    - 5 points along the southern fence between the SDG&E tower to the southeasterly corner of APN 538-812-26-00.
    - 3 points along eastern fence line within 50 feet of the southeasterly corner of APN 538-812-26-00.
    - Landscape planter/curb in the southeasterly corner of APN 538-812-26-00.
    - Parking spaces along the eastern property line and on the southern property line between the SDG&E tower and the southeasterly corner of APN 538-812-26-00.
  - Provide an exhibit for parcels 17-19 as described on the document

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recorded as instrument No. 1977-251950 and Parcels 3-5 as described on the document recorded as instrument No. 1979-434062, as they overlay on Parcel 1 and 2 of Parcel Map 21040. The exhibit will depict:

- Show any MTS easement rights and/or railroad rights as indicated on documents recorded as instrument no.'s 1977-251950 and 1979-434062.
- Show other recorded encumbrances to third parties in exhibit area.
- Include a spatially rectified orthophoto on the exhibit.
- Incorporate proposed and existing land rights in exhibit.
- Incorporate field data for fence, parking, and planter into exhibit.
- The limits of the exhibit to be prepared will be limited to the green lines shown on Exhibit 5.2.

- Task 5.2.3 Other Direct Charges
  - Research and obtain Preliminary Title Report for APN 538-812-26-00.
    - The Preliminary Title Report for the Schley site will be the extent of the research of Historic Railroad easements.

5.3 City College

In a future phase of the MTS TPSS replacement project, the existing City College substation will be replaced while the existing substation stays in service. The existing substation is on APN 534- 203-24-00 via a lease with the San Diego Community College District (SDCCD). The proposed substation location is adjacent to the existing substation to the east on SDCCD land. See Exhibit 5.3.

- Task 5.3.1 Right of Way
  - Negotiate amendment of existing lease (MTS Doc No. L0579.1-02) and/or other permanent land right to MTS on SDCCD property as well as temporary construction land rights.
- Task 5.3.2 Survey
  - Perform field staking of existing street right of way boundaries for C Street and Park Blvd. Stake existing MTS leasehold area. Stake proposed MTS leasehold area.
  - Field survey existing improvements on site (i.e. landscaping, curb/gutter, underground utilities, fences, walls, retaining walls) as shown on Exhibit 5.3.
  - Provide an exhibit showing the following:
    - Existing MTS leasehold area.
    - Show other recorded encumbrances to third parties in exhibit area.
    - Include a spatially rectified orthophoto on the exhibit.
    - Incorporate field data for landscaping, curb/gutter, utilities, fences, walls, retaining walls.
    - Incorporate proposed land rights in exhibit.
    - Show property lines and street right of ways.
    - The limits of the exhibit to be prepared will be limited to the green lines shown on Exhibit 5.3.
- Task 5.3.3 Other Direct Charges
  - Research and obtain Preliminary Title Report for APN 534-203-24-00.
  - Appraisal of land rights/leasehold interest to be acquired by MTS.

5.4 Front St

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In a future phase of the MTS TPSS replacement project, the existing Front St Substation will be replaced with a new substation in the same location. The existing substation is on City of San Diego owned property by virtue of an easement to MTDB (aka MTS). New substation will be a custom design to fit within the existing MTS easement area. See Exhibit 5.4a and 5.4b.

- Task 5.4.1 Right of Way
  - Negotiate temporary construction rights to work adjacent to the substation in a City of San Diego. Exact location of temporary land rights will be determined by MTS at a later date.
    - Note: Existing ground grid is at the limits or slightly larger than existing easement area. Removal of ground grid will interrupt park activities.
- Task 5.4.2 Survey
  - Field staking of existing MTS easement area.
  - Provide an exhibit showing the following:
    - Existing MTS easement area.
    - Show other recorded encumbrances to third parties in exhibit area.
    - Include a spatially rectified orthophoto on the exhibit.
    - Incorporate proposed land rights in exhibit.
    - Show property lines and street right of ways.
    - The limits of the exhibit to be prepared will be limited to the green lines shown on Exhibit 5.4b.
  - Survey, set monuments, and mapping in accordance to Section 8762 (b)(4) of the Professional Land Surveyors Land Act. Prepare and process a Record of Survey.
- Task 5.4.3 Other Direct Charges
  - Appraisal of temporary land rights.

5.5 33rd St

In a future phase of the MTS TPSS replacement program, the replacement for the existing 33rd Street substation will be located southwest of Francis St and Tompkins St, San Diego, CA on land owned by the City of San Diego. Access rights will need to be acquired from Caltrans. See Exhibit 5.5.

- Task 5.5.1 Right of Way
  - Negotiate fee acquisition of north portion of APN 545-410-01-00 from City of San Diego.
  - Negotiate acquisition of road access rights from Caltrans.
- Task 5.5.2 Survey
  - Field staking of northern portion of APN 545-410-01-00 and proposed MTS road access land rights in Caltrans ROW.
  - Provide an exhibit showing the following:
    - Recorded encumbrances to third parties in exhibit area.
    - Include a spatially rectified orthophoto on the exhibit.
    - Incorporate proposed land rights in exhibit.
    - Show Caltrans right of way, property lines, and street right of ways.
    - The limits of the exhibit to be prepared will be limited to the green lines shown on Exhibit 5.5.
  - Survey, set monuments, and mapping in accordance to Section 8762

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(b)(4) of the Professional Land Surveyors Land Act. Prepare and process a Record of Survey.

- Task 5.5.3 Other Direct Charges
  - Appraisal of fee acquisition of north portion of APN 545-410-01-00.
  - Phase I Environmental Site Assessment of APN 545-410-01-00.
  - MTS will provide Dec 2023 for reference as well as pay for title report update. No title report required on Caltrans land.

5.6 Pacifica

In a future phase of the MTS TPSS replacement program, the existing substation will be replaced in current location on APN 480-103-04-00 on Main St in Lemon Grove, CA across from 3274 Main Street. The property where substation is located is owned by Union Pacific Railroad. MTS believes there is a historic railroad easement described in the Union Pacific to SD&AE transfer in favor of MTS in documents 1979-434062 or 1977-251950. See Exhibit 5.6.

- Task 5.6.1 Right of Way
  - None
- Task 5.6.2 Survey
  - Field staking of property lines and street ROW
  - Field survey the following:
    - MTS substation retaining wall.
    - Parking curb/gutter surrounding existing substation.
    - Palm tree north of substation.
    - Sign on wooden post in southern landscaping area within ~3 feet of MTS substation fence.
  - Provide an exhibit showing the following:
    - Recorded encumbrances to third parties in exhibit area.
    - Include a spatially rectified orthophoto on the exhibit.
    - Show historic railroad easement on Union Pacific property.
    - Show property lines and street right of ways.
    - Incorporate field data for retaining wall, tree, sign and curb/gutter.
    - The limits of the exhibit to be prepared will be limited to the green lines shown on Exhibit 5.6.
- Task 5.6.3 Other Direct Charges
  - Research and obtain Preliminary Title Report for APN 480-103-04-00

5.7 Fletcher

The proposed location for the Fletcher Substation will require a Temporary Construction Easement (TCE) to facilitate grading tie-in on the western side of the property. The grading will not exceed slopes of 2:1, as depicted in Exhibit 5.8.

- Task 5.7.1 Right of Way
  - Consultant to perform necessary work and communication with property owners to secure one (1) Temporary Construction Easement (TCE) as needed for project construction. This may include reappraisal and reoffering of just compensation with negotiation, and subsequent payment for and recording of easements.
- Tast 5.7.2 Survey
  - Consultant to provide one (1) Plat and Legal for the TCE.

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5.8 San Altos

- Task 5.8.1 Survey
  - Perform field staking of the Northwest boundary of the SD&AE property line for APN 576-523-06-00. This work is to be conducted within 50 feet of and adjacent to the existing San Altos Substation, located approximately 170 feet northeast of 1261 Orlando Drive, Lemon Grove, CA. Refer to Exhibit 5.9 for additional reference.
- Task 5.8.2 Flood Zone Assessment
  - As part of the survey services, determine the elevation required for the San Altos Substation to be positioned above the flood level. This assessment is necessary due to the substation's location within a designated flood zone.
- Task 5.8.3 Existing Utilities
  - **Gas Line**: The existing SDG&E gas line recently marked out on the job site requires a survey.
  - **Electric Feeds**: The 12KV and 120/240 feeds crossing from the street to the substation must be marked and surveyed.
  - **Communication Line**: The existing fiber line on-site needs to be located, marked, and surveyed.

General Assumptions Applicable to Task 5

- Primary horizontal survey control is NAD 83.
- Primary vertical survey control is NAVD 88.
- Aerial mapping will be georeferenced.
- There is no aerial mapping or orthophoto required for the Sweetwater site.
- Ground staking will be limited to the green lines shown on Exhibit 5.2, 5.3, 5.4b, 5.5, and 5.6.
- Ground staking is further limited to a total of five (5) encumbrances per site.
- The scope is limited to one (1) set of stakes.
- Staking is limited to one (1) trip per site.
- Plats and legal descriptions for the Sweetwater site are limited to one (1) access easement and one fence license.
- AutoCAD shapes for all proposed locations, leaseholds, easements, etc. will be provided to the Consultant.
- MTS Right of Entry permit will be arranged and paid for by others.
- MTS flaggers will be paid for by others.
- Monument preservation is not included in this scope.
- Deliverables: AutoCAD aerial mapping and field survey, orthophoto files, pdf files of plats/legals, pdf files of exhibits, stakes in the ground.
- Utility potholing is not anticipate and is not included.

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ATTACHMENT B
NEGOTIATED FEE PROPOSAL

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Work Order Estimate Summary

MTS Doc. No.	**PWL357.0-22**
Work Order No.	**WOA357-AE-31.01**
Attachment:	**B**

Work Order Title: **TRACTION POWER SUBSTATIONS (TPSS) DESIGN PHASE I**

Project No:

Table 1 - Cost Codes Summary (Costs & Hours)

Item	Cost Codes	Cost Codes Description	Total Costs
1		Project Management	$6,848.36
2		Design	$273,115.68
3			
		Totals =	**$279,964.04**

Table 2 - TASKS/WBS Summary (Costs & Hours)

Item	TASKS/WBS	TASKS/WBS Description	Labor Hrs	Total Costs
1	1	Project Management	32.0	$6,848.36
2	2	Meetings	38.0	$8,457.14
3	3	Scope of Work Development and Data Collection		
4	4	Design Development		
5	5	Right of Way Services	1,296.0	$264,658.54
6				
		Totals =	**1,366.0**	**$279,964.04**

Table 3 - Consultant/Subconsultant Summary (Costs & Hours)

(If Applicable, Select One)				Consultant	Labor Hrs	Total Costs
DBE	DVBE	SBE	Other			
x		x		CR Associates	250.0	$56,640.35
x		x		Aguirre & Associates	728.0	$143,804.74
				Epic Land Solutions, Inc.	340.0	$68,123.35
				Leighton Consulting, Inc.	48.0	$11,395.60
				Totals =	**1,366.0**	**$279,964.04**

Note: Potholing will be conducted as needed upon MTS approval and will be invoiced at direct cost.

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Work Order Estimate Summary

Total Hours = **250**

Total Costs = **$56,640.35**

Consultant/Subconsultant: **CRA**

Work Order Title: **TRACTION POWER SUBSTATIONS (TPSS) DESIGN PHASE I**

Attachment: B

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Contract Manager	Project Manager	Senior Engineer	Engineer - 3	Engineer - 2	Engineer - 1	Intern	Admin - 2	Total Hours	Totals
				$ 315.43	$ 301.86	$ 249.85	$ 193.89	$ 156.44	$ 131.15	$ 113.62	$ 122.10		
1	**Task 1**	**Project Management**											
	1.1 Document Control and File Sharing				4		4	4			10	22	$3,829.76
	1.2 Submittals (65%, 100%, Conformed)												
	1.3 Schedules				10							10	$3,018.60
		Subtotals (Hours) =	N/A		14		4	4			10	32	$6,848.36
		Subtotals (Costs) =			$4,226.04		$775.56	$625.76			$1,221.00	**32**	**$6,848.36**
2	**Task 2**	**Meetings**											
	Kick Off Meeting				2		2	2				6	$1,304.38
	Project Development Team Meetings			2	10		10	10				32	$7,152.76
	Design Team Meetings												
		Subtotals (Hours) =	N/A	2	12		12	12				38	$8,457.14
		Subtotals (Costs) =		$630.86	$3,622.32		$2,326.68	$1,877.28				**38**	**$8,457.14**
3	**Task 3**	**Scope of Work Development and Data Collection**											
	Review Record Documents & As-Built Drawings												
		Subtotals (Hours) =	N/A										
		Subtotals (Costs) =											
4	**Task 4**	**Design Development**											
	4.1 Cost Estimate												
	Concept Cost Estimate												
	65% Cost Estimate												
	100% Cost Estimate												
	4.2 Specifications (100% - Edits to MTS provided Specs)												
	4.3 TPSS Installation / Connection Plans (65%, 100% - 5 sites)												
	4.3.1 3.0 MW Yard TPS Design												
	4.4 Environmental												
	4.5 Survey												
	4.6 Street												
	4.7 Site												
	4.8 Site Plans												
	4.9 Grading and												
	Grading												
	Drainage												
	4.10 Erosion and												
	4.11 Utilities												
	4.12 Structures Design for Substation Foundations												
	4.12 Structures Design for Substation Foundations												
	4.12.1 3.0 MW Yard Foundation												
		Subtotals (Hours) =	N/A										
		Subtotals (Costs) =											
5	**Task 5**	**Right of Way Services**											
	5.1 Sweetwater												
	5.1.1 Right of Way				3		2					5	$1,293.36
	5.1.2 Survey				3		2					5	$1,293.36
	5.1.3 Other Direct Charges												
	5.1.4 Temporary Construction Easement				5		16	16				37	$7,114.58
	5.2 Schley												
	5.2.1 Right of Way				3		2					5	$1,293.36
	5.2.2 Survey				3		2					5	$1,293.36
	5.2.3 Other Direct Charges												
	5.3 City College												
	5.3.1 Right of Way				3		2					5	$1,293.36
	5.3.2 Survey				3		2					5	$1,293.36
	5.3.3 Other Direct Charges												
	5.4 Front St												
	5.4.1 Right of Way				3		2					5	$1,293.36
	5.4.2 Survey				3		2					5	$1,293.36
	5.4.3 Other Direct Charges												
	5.5 33rd St												
	5.5.1 Right of Way				3		2					5	$1,293.36
	5.5.2 Survey				3		2					5	$1,293.36
	5.5.3 Other Direct Charges												
	5.6 Pacifica												
	5.6.1 Right of Way				3		2					5	$1,293.36
	5.6.2 Survey				3		2					5	$1,293.36
	5.6.3 Other Direct Charges												
	5.7 Fletcher												
	5.7.1 Right of Way				3		2					5	$1,293.36
	5.7.2 Survey				3		2					5	$1,293.36
	5.8 San Altos												
	5.8.1 Survey				2		2					4	$991.50
	5.8.2 Flood Zone Assessment				5	8	24					37	$8,161.46
	5.8.3 Existing Utilities				7		25					32	$6,960.27
		Subtotals (Hours) =	N/A		61	8	95	16				180	$41,334.85
		Subtotals (Costs) =			$18,413.46	$1,998.80	$18,419.55	$2,503.04				**180**	**$41,334.85**
		Totals (Summary) =										**250**	**$56,640.35**
		Total (Hours) =	N/A	2	87	8	111	32			10	250	
		Total (Costs) =		$630.86	$26,261.82	$1,998.80	$21,521.79	$5,006.08			$1,221.00		$56,640.35
		Percentage of Total (Hours) =	N/A	1%	35%	3%	44%	13%			4%	100%	
		Percentage of Total (Costs) =		1%	46%	4%	38%	9%			2%		100%

Work Order Estimate Summary

Consultant/ Subconsultant: **CRA**

Work Order Title: **TRACTION POWER SUBSTATIONS (TPSS) DESIGN PHASE I**

Attachment: **B**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Parking	EA	$30.00										
2	Personal Mileage	MI	$0.66										
3													
4													
5													
6													
7													
8													
9													
10													
				Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =	

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Parking												
2	Personal Mileage												
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Totals =	

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Work Order Estimate
Summary

Consultant/Subconsultant: **Aguirre & Associates**

Total Hours = **728**

Total Costs = **$143,804.74**

Work Order Title: **TRACTION POWER SUBSTATIONS (TPSS) DESIGN PHASE I**

Attachment: **B**

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Surveyor-Senior	Surveyor-3	Party Chief (PW)	Chainman (PW)				Total Hours	Totals
				$ 164.41	$ 113.35	$ 222.98	$ 224.68		$ -	$ -		
5	**Task 5**	**Right of Way Services**										
	5.1 Sweetwater		$16,620.00								0	$16,620.00
	5.1.1 Right of Way			8	12						20	$2,675.48
	5.1.2 Survey			6	10						16	$2,119.96
	5.1.3 Other Direct Charges										0	$0.00
	5.1.4 Temporary Construction Easement			10	16						26	$3,457.70
	5.2 Schley										0	$0.00
	5.2.1 Right of Way										0	$0.00
	5.2.2 Survey			23	28	23	23				97	$17,251.41
	5.2.3 Other Direct Charges										0	$0.00
	5.3 City College										0	$0.00
	5.3.1 Right of Way										0	$0.00
	5.3.2 Survey			23	28	28	28				107	$19,489.71
	5.3.3 Other Direct Charges										0	$0.00
	5.4 Front St										0	$0.00
	5.4.1 Right of Way										0	$0.00
	5.4.2 Survey			46	34	34	34				148	$26,637.20
	5.4.3 Other Direct Charges										0	$0.00
	5.5 33rd St										0	$0.00
	5.5.1 Right of Way										0	$0.00
	5.5.2 Survey			46	34	25	25				130	$22,608.26
	5.5.3 Other Direct Charges										0	$0.00
	5.6 Pacifica										0	$0.00
	5.6.1 Right of Way										0	$0.00
	5.6.2 Survey			28	30	23	23				104	$18,300.16
	5.6.3 Other Direct Charges										0	$0.00
	5.7 Fletcher										0	$0.00
	5.7.1 Right of Way										0	$0.00
	5.7.2 Survey			6	8						14	$1,893.26
	5.8 San Altos										0	$0.00
	5.8.1 Survey			11	4	10	10				35	$6,738.51
	5.8.2 Flood Zone Assessment										0	$0.00
	5.8.3 Existing Utilities			10	3	9	9				31	$6,013.09
											0	$0.00
		Subtotals (Hours) =	N/A	217	207	152	152	0	0	0	728	$143,804.74
		Subtotals (Costs) =	$16,620.00	$35,676.97	$23,463.45	$33,892.96	$34,151.36	$0.00	$0.00	$0.00	**728**	**$143,804.74**

Totals (Summary) =										
									728	**$143,804.74**
Total (Hours) =	N/A	217	207	152	152	0	0	0	728	
Total (Costs) =	$16,620.00	$35,676.97	$23,463.45	$33,892.96	$34,151.36	$0.00	$0.00	$0.00		$143,804.74
Percentage of Total (Hours) =	N/A	30%	28%	21%	21%	0%	0%	0	100%	
Percentage of Total (Costs) =	12%	25%	16%	24%	24%	0%	0%	0		100%

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Work Order Estimate Summary

Consultant/ Subconsultant: **Aguirre & Associates**

Work Order Title: **TRACTION POWER SUBSTATIONS (TPSS) DESIGN PHASE I**

Attachment: **B**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Parking	EA	$30.00		$0.00		$0.00		$0.00		$0.00		$0.00
2	Personal Mileage	MI	$0.66		$0.00		$0.00		$0.00		$0.00		$0.00
3	Aerial Mapping - Schley Site	LS	$2,950.00		$0.00		$0.00		$0.00		$0.00	1	$2,950.00
4	Aerial Mapping - City College Site	LS	$2,850.00		$0.00		$0.00		$0.00		$0.00	1	$2,850.00
5	Aerial Mapping - Front St Site	LS	$2,940.00		$0.00		$0.00		$0.00		$0.00	1	$2,940.00
6	Aerial Mapping - 33rd St Site	LS	$3,140.00		$0.00		$0.00		$0.00		$0.00	1	$3,140.00
7	Aerial Mapping - Pacifica Site	LS	$2,850.00		$0.00		$0.00		$0.00		$0.00	1	$2,850.00
8	Record of Service Fee - Front St	LS	$945.00		$0.00		$0.00		$0.00		$0.00	1	$945.00
9	Record of Service Fee - 33rd St	LS	$945.00		$0.00		$0.00		$0.00		$0.00	1	$945.00
10					$0.00		$0.00		$0.00		$0.00		$0.00
				Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$16,620.00**

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1			$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
2			$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
3		0	$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$2,950.00**
4			$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$2,850.00**
5			$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$2,940.00**
6			$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$3,140.00**
7			$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$2,850.00**
8			$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$945.00**
9			$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$945.00**
10			$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
		Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	**Totals =**	**$16,620.00**

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Work Order Estimate Summary

Consultant/Subconsultant: **Epic Land Solutions, Inc.**

Total Hours = **340**

Total Costs = **$68,123.35**

Work Order Title: **TRACTION POWER SUBSTATIONS (TPSS) DESIGN PHASE I**

Attachment: **B**

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Right of Way Lead	Planner - Senior	Right of Way Assistant Manager	Senior Right of Way Agent	Admin 2	Project Controls - 3	Right of Way Project Manager			Total Hours	Totals
				$ 201.37	$ 197.65	$ 126.80	$ 117.91	$ 86.51	$ 147.70	$ 149.18				
5	**Task 5**													
	5.1 Sweetwater		$23,500.00										0	$23,500.00
	5.1.1 Right of Way			5			25	5	5				40	$5,125.65
	5.1.2 Survey												0	$0.00
	5.1.3 Other Direct Charges												0	$0.00
	5.1.4 Temporary Construction Easement												0	$0.00
	5.2 Schley												0	$0.00
	5.2.1 Right of Way			5			55	5	5				70	$8,662.95
	5.2.2 Survey												0	$0.00
	5.2.3 Other Direct Charges												0	$0.00
	5.3 City College												0	$0.00
	5.3.1 Right of Way			20			60	10	10				100	$13,444.10
	5.3.2 Survey												0	$0.00
	5.3.3 Other Direct Charges												0	$0.00
	5.4 Front St												0	$0.00
	5.4.1 Right of Way			5			15	5	5				30	$3,946.55
	5.4.2 Survey												0	$0.00
	5.4.3 Other Direct Charges												0	$0.00
	5.5 33rd St												0	$0.00
	5.5.1 Right of Way			20			60	10	10				100	$13,444.10
	5.5.2 Survey												0	$0.00
	5.5.3 Other Direct Charges												0	$0.00
	5.6 Pacifica												0	$0.00
	5.6.1 Right of Way												0	$0.00
	5.6.2 Survey												0	$0.00
	5.6.3 Other Direct Charges												0	$0.00
	5.7 Fletcher												0	$0.00
	5.7.1 Right of Way												0	$0.00
	5.7.2 Survey												0	$0.00
	Total ODC		$23,500.00										0	$23,500.00
		Subtotals (Hours) =	N/A	55	0	0	215	35	35	0	0	0	340	$91,623.35
		Subtotals (Costs) =	$23,500.00	$11,075.35	$0.00	$0.00	$25,350.65	$3,027.85	$5,169.50	$0.00	$0.00	$0.00	**340**	**$68,123.35**

Totals (Summary) =											**340**	**$68,123.35**
Total (Hours) =	N/A	55	0	0	215	35	35	0	0	0	340	
Total (Costs) =	$23,500.00	$11,075.35	$0.00	$0.00	$25,350.65	$3,027.85	$5,169.50	$0.00	$0.00	$0.00		$91,623.35
Percentage of Total (Hours) =	N/A	16%	0%	0%	63%	10%	10%	0%	0%	0	100%	
Percentage of Total (Costs) =	34%	16%	0%	0%	37%	4%	8%	0%	0%	0		100%

Work Order Estimate Summary

Consultant/ Subconsultant: **Epic Land Solutions, Inc.**

Work Order Title: **TRACTION POWER SUBSTATIONS (TPSS) DESIGN PHASE I**

Attachment: **B**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Postage/Overnight Packages	EA	$100.00		$0.00		$0.00		$0.00		$0.00	1	$100.00
2	Property Owner and Tenant Data	EA	$500.00		$0.00		$0.00		$0.00		$0.00	1	$500.00
3	Mileage	EA	$500.00		$0.00		$0.00		$0.00		$0.00	1	$500.00
4	Preliminary Title Reports [up to 3 reports @ $800 each]	EA	$800.00		$0.00		$0.00		$0.00		$0.00	3	$2,400.00
5	Appraisal Report [assumes 3]	EA	$5,500.00		$0.00		$0.00		$0.00		$0.00	3	$16,500.00
6	Phase I Site Assessment	EA	$3,500.00		$0.00		$0.00		$0.00		$0.00	1	$3,500.00
7					$0.00		$0.00		$0.00		$0.00		$0.00
8					$0.00		$0.00		$0.00		$0.00		$0.00
9					$0.00		$0.00		$0.00		$0.00		$0.00
10					$0.00		$0.00		$0.00		$0.00		$0.00
				Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$23,500.00**

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1			$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$100.00**
2			$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$500.00**
3		0	$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$500.00**
4			$0.00		$0.00		$0.00		$0.00		$0.00	**3**	**$2,400.00**
5			$0.00		$0.00		$0.00		$0.00		$0.00	**3**	**$16,500.00**
6			$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$3,500.00**
7			$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
8			$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
9			$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
10			$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
		Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	**Totals =**	**$23,500.00**

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Work Order Estimate Summary

Consultant/Subconsultant: **Leighton Consulting, Inc.**

MTS Doc. No.:

Total Hours = **48**

Work Order No.: **WOAXXX-AE-31**

Total Costs = **$11,395.60**

Work Order Title: **TRACTION POWER SUBSTATIONS (TPSS) DESIGN PHASE I**

Attachment: B

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Engineer - Principal	Engineer - Senior	Engineer - 3	Geologist - Senior	Geologist - 3	Geologist - 2	PW Filed Soils/Material Tester	Admin - 3	Admin - Senior	GIS Specialist - Senior	Total Hours	Totals
				$ 280.13	$ 231.06	$ 129.33	$ 225.95	$ 140.06	$ 107.65	$ 221.20	$ 96.09	$ 102.06	$ 163.01		
5	**Task 5**														
	5.1 Sweetwater													0	$0.00
	5.1.1 Right of Way													0	$0.00
	5.1.2 Survey													0	$0.00
	5.1.3 Other Direct Charges													0	$0.00
	5.1.4 Temporary Construction Easement													0	$0.00
	5.2 Schley													0	$0.00
	5.2.1 Right of Way													0	$0.00
	5.2.2 Survey													0	$0.00
	5.2.3 Other Direct Charges													0	$0.00
	5.3 City College													0	$0.00
	5.3.1 Right of Way													0	$0.00
	5.3.2 Survey													0	$0.00
	5.3.3 Other Direct Charges													0	$0.00
	5.4 Front St													0	$0.00
	5.4.1 Right of Way													0	$0.00
	5.4.2 Survey													0	$0.00
	5.4.3 Other Direct Charges													0	$0.00
	5.5 33rd St													0	$0.00
	5.5.1 Right of Way													0	$0.00
	5.5.2 Survey													0	$0.00
	5.5.3 Other Direct Charges		$550.00				48							48	$11,395.60
	5.6 Pacifica													0	$0.00
	5.6.1 Right of Way													0	$0.00
	5.6.2 Survey													0	$0.00
	5.6.3 Other Direct Charges													0	$0.00
	5.7 Fletcher													0	$0.00
	5.7.1 Right of Way													0	$0.00
	5.7.2 Survey													0	$0.00
														0	$0.00
		Subtotals (Hours) =	N/A	0	0	0	48	0	0	0	0	0	0	48	$11,395.60
		Subtotals (Costs) =	$550.00	$0.00	$0.00	$0.00	$10,845.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**48**	**$11,395.60**
		Totals (Summary) =												**48**	**$11,395.60**
		Total (Hours) =	N/A	0	0	0	48	0	0	0	0	0	0	48	
		Total (Costs) =	$550.00	$0.00	$0.00	$0.00	$10,845.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$11,395.60
		Percentage of Total (Hours) =	N/A	0%	0%	0%	100%	0%	0%	0%	0%	0%	0	100%	
		Percentage of Total (Costs) =	5%	0%	0%	0%	95%	0%	0%	0%	0%	0%	0		100%

Work Order Estimate Summary

Consultant/ Subconsultant: **Leighton Consulting, Inc.**

Work Order Title: **TRACTION POWER SUBSTATIONS (TPSS) DESIGN PHASE I**

Contract No:

Task Order No. **WOAXXX-AE-31**

Attachment: B

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Environmental Data Resources, LLC	HR	$550.00		$0.00		$0.00		$0.00		$0.00	1	$550.00
2	Driller	HR	$525.00		$0.00		$0.00		$0.00		$0.00		$0.00
3	Drum Disposal	EA	$350.00		$0.00		$0.00		$0.00		$0.00		$0.00
4	Coring	HR	$350.00		$0.00		$0.00		$0.00		$0.00		$0.00
5	Drill Permit	EA	$250.00		$0.00		$0.00		$0.00		$0.00		$0.00
6	Moisture & Density	EA	$30.00		$0.00		$0.00		$0.00		$0.00		$0.00
7	Expansion Index	EA	$130.00		$0.00		$0.00		$0.00		$0.00		$0.00
8	Sieve Analysis	EA	$135.00		$0.00		$0.00		$0.00		$0.00		$0.00
9	Direct Shear	EA	$285.00		$0.00		$0.00		$0.00		$0.00		$0.00
10	Corrosion Suite	EA	$265.00		$0.00		$0.00		$0.00		$0.00		$0.00
				Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$550.00**

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Airfare		$0.00		$0.00		$0.00		$0.00		$0.00	**1**	**$550.00**
2	Lodging		$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
3	Per Diem	0	$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
4	Transportation(Lyft)		$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
5	Parking		$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
6	Personal Mileage		$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
7	#REF!		$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
8	#REF!		$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
9	#REF!		$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
10	#REF!		$0.00		$0.00		$0.00		$0.00		$0.00	**0**	**$0.00**
		Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	Subtotal =	**$0.00**	**Totals =**	**$550.00**

DRAFT

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 6

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Emergency Telecommunications System at Trolley Stations – Contract Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to:

1) Execute MTS Doc. L1675.0-24 (in substantially the same format as Attachment A), with Western Automated Solutions, Inc. (Western Automated), for an Emergency Telecommunications System at Trolley Stations for a three (3) year base period with three (3) 1-year options, for a total amount of $672,140.40; and

2) Exercise the option years at the CEO's discretion.

Budget Impact

The total cost of this contract is estimated to be $672,140.40 (Attachment C). The project will be funded by the Rail Operations Budget account 902016-571250.

DISCUSSION:

MTS currently has pay phones at all sixty-two (62) stations along the MTS Rail network. The primary reason for the provided pay phones is to facilitate a source for MTS customers and the public to make calls, both for security purposes (e.g., 9-1-1 calls are free) and as a personal convenience. This technology is outdated and may not be supported in the future by landline providers.

MTS staff determined that the best way to update this technology and maintain this communication option was to issue a solicitation for the services of a qualified communications service provider for the lease of Americans with Disabilities Act (ADA) compliant equipment, maintenance and any relevant services for outdoor emergency communications at all MTS rail stations. This contract will be effective for three (3) base years with three (3) 1-year options, exercisable at the sole discretion of MTS.



On September 27, 2024, MTS issued a Request for Proposal (RFP) for an Emergency Telecommunications System at Trolley Stations on PlanetBids. MTS received one (1) proposal on the due date of November 25, 2024, from the following:

Proposer	Firm Certification
Western Automated Solutions, Inc.	N/A

To confirm that the solicitation was not unduly restrictive, MTS conducted a post-proposal survey with prospective proposers requesting their reason(s) for not proposing. MTS received two (2) responses. The responses determined that neither the RFP nor MTS's procurement process played a role in their decision not to participate, and staff proceeded as a competitive solicitation.

Western Automated's proposal was deemed responsive and responsible and was evaluated by a committee comprised of representatives from the MTS Rail, Transit Security, Information Technology (IT), and Finance departments. The proposal was evaluated on the following:

Qualifications of the Firm or Individual	20%
Staffing, Organization, and Management Plan	20%
Work Plan	30%
Cost and Price	30%
	100%

The following table illustrated the initial score of Western Automated:

PROPOSER	INDEPENDENT COST ESTIMATE	TOTAL COST	TOTAL AVERAGE TECH SCORE	TOTAL AVERAGE COST SCORE	TOTAL AVERAGE SCORE TOTAL POSSIBLE: 100
Western Automated	$1,515,255.00	$566,400.00	41.20	19.20	60.40

As a result of the initial review, MTS requested additional clarifications from Western Automated regarding their experience, proposed work plan, and cost breakdown. After receiving the clarifications, MTS held an interview on February 6, 2025, with Western Automated to clarify additional questions. During the interview, Western Automated proposed additional monthly inspections and the removal of existing pay phones at trolley stations. Staff reviewed the proposed list and agreed to the proposed changes. After the interview and additional clarifications, the final scores are as follows:

PROPOSER	INDEPENDENT COST ESTIMATE	TOTAL COST	TOTAL AVERAGE TECH SCORE	TOTAL AVERAGE COST SCORE	TOTAL AVERAGE SCORE TOTAL POSSIBLE: 100
Western Automated	$1,515,255.00	$672,140.40	45.60	18.00	63.60

In comparisons to MTS's Independent Cost Estimate (ICE) in the amount of $1,515,255.00 and MTS' past purchase history, staff determined Western Automated's pricing to be fair and reasonable. The ICE was significantly higher because staff believed it would get proposals with more innovative ideas. Instead of proposing to install new equipment and software, Western Automated proposed to keep the existing payphones on MTS properties and convert them into coinless VOIP telephones. The proposed plan is to remove all coin accepting features that are typical within a traditional phone. Historically, coin operated payphones also require a high degree of maintenance in order to function properly. The coinless option would still allow for emergency calls to be made. Staff was able to reduce the cost proposal by $18,240.00 with the removal of eight (8) existing pay phones. Staff also included as-needed funds in the amount of $123,980.40 to this contract for estimated replacement parts for the contract term.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to:

1) Execute MTS Doc. L1675.0-24 (in substantially the same format as Attachment A), with Western Automated, for an Emergency Telecommunications System at Trolley Stations for a three (3) base year period with three (3) 1-year options, for a total cost of $672,140.40; and

2) Exercise the option years at the CEO's discretion.

_____

Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachments: A. Draft Agreement
B. Scope of Work
C. Cost Proposal

Metropolitan Transit System

STANDARD AGREEMENT

FOR

MTS DOC. NO. L1675.0-24

EMERGENCY TELECOMMUNICATIONS AT TROLLEY STATIONS

THIS AGREEMENT is entered into this _____ day of _____, 2025 in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: Western Automated Solutions, Inc. Address: 3568 Tomahawk Lane

San Diego (City) CA (State) 92117 (Zip)

Form of Business: Corporation
(Corporation, Partnership, Sole Proprietor, etc.)

Email: tom@wescomm.net

Telephone: 858-386-2245

Authorized person to sign contracts Tom Beuse (Name) President (Title)

The Contractor agrees to provide services as specified in the conformed Scope of Work/Technical Specification (Exhibit A), Contractor's Cost/Pricing Form (Exhibit B), and in accordance with the Standard Agreement, including Standard Conditions (Exhibit C), Federal Requirements (Exhibit D), and Forms (Exhibit E).

The contract term is for a three (3) year base period with three (3) 1-year options, exercisable at MTS's sole discretion, for a total of six (6) years. Base period shall be effective July 1, 2025 through June 30, 2028 and option years shall be effective July 1, 2028 through June 30, 2031, if exercised by MTS.

Payment terms shall be net 30 days from invoice date. The total cost of this contract shall not exceed $356,230.20 for the base years and $315,910.20 for the option years, for a contract total not to exceed $672,140.40 without the express written consent of MTS.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	WESTERN AUTOMATED SOLUTIONS, INC.
By: _____ Sharon Cooney, Chief Executive Officer	By _____
Approved as to form:	
By: _____ Karen Landers, General Counsel	Title: _____

DRAFT

1.1. GENERAL SCOPE

The San Diego Metropolitan Transit System (MTS) currently has pay phones at all sixty-two (62) stations along the MTS Rail network. The primary reason for provided pay phones is to facilitate a source for MTS customers and the public to make calls, both for security purposes (e.g., 9-1-1 calls are free) and as a personal convenience. This technology is outdated and may not be supported in the future by landline providers.

MTS is exploring the option of removing pay phones from all stations and seeks the services of a qualified vendor to provide options for a modernized form of or emergency communication systems at all sixty-two rail stations. The objective of the emergency communication systems is to enhance public safety and accessibility to emergency services and to provide a communications link for the public to be able to report an emergency and receive an emergency response. This communications system would have a 911 link directly to emergency responders and/or a direct link to MTS Operations Control Center who would dispatch emergency response.

MTS seeks the services of a qualified communications service provider for an agreement through the provision of, leased ADA compliant equipment, maintenance and any relevant services of outdoor emergency communications solution at all rail stations. This Contract shall be effective for three (3) base years with three (3) 1-year options, exercisable at the sole discretion of MTS. Below is the anticipated contract term dates:

Base Term

Contract Year One (1):	July 1, 2025 - June 30, 2026
Contract Year Two (2):	July 1, 2026 - June 30, 2027
Contract Year Three (3):	July 1, 2027 - June 30, 2028

Option Periods

Option Year One (1):	July 1, 2028 - June 30, 2029
Option Year Two (2):	July 1, 2029 - June 30, 2030
Option Year Three (3):	July 1, 2030 - June 30, 2031

Under the resultant Agreement, the Contractor will furnish the necessary equipment, materials, supplies, software, and labor for installation, maintenance, repair, and inspection for all communications equipment. MTS requires that emergency communications solution be made available at existing rail stations (See Attachment 2 - Trolley System Overview Map). Further, as an option to be exercised at MTS' sole discretion, the emergency communications solution may be required at additional stations that will include park and ride lots, BRT/bus transit stations, as well as any future bus/rail stations. As an adjunct, MTS may also consider other MTS-owned transit facilities in its plans for expanding this service. This may include maintenance shops, operator rest areas, and the like.

Contractor must have had a minimum of ten (10) years' experience in the provision emergency communications solutions. The experience will have included the delivery

of supporting communications, equipment, hardware, software vendors, information technology infrastructure, to design an optimal solution for MTS emergency communications needs.

1.2. INITIAL CONVERSION OF EXISTING PAYPHONES

A. Existing pay telephone services are provided by Western Communications (WESCOMM). All payphones, associated equipment, hardware, and enclosures are the property of WESCOMM.

B. The Contractor shall provide all equipment, software, hardware, support standalone poles, protective enclosures, communications options that involves cellular connectivity, provisioning to allow VOIP calls to be made, a battery backup in case of power loss, and labor to install all associated equipment covered under this solicitation. The Contractor will also coordinate with WESCOMM to provide a smooth transition and uninterrupted service. Contractor shall also be responsible for cable repairs to the telephones.

C. In order to facilitate this, it will be necessary for the Contractor to visit each of the existing payphones on MTS properties and convert them into coinless VOIP telephones by removing all coin accepting features that are atypical within a traditional payphone.

D. All existing payphones must be converted to the new emergency communications solution by the Contractor within 60-90 calendar days from contract effective date.

E. Upon expiration or termination of this agreement, Contractor shall provide for an orderly transition. Contractor agrees to cooperate in transition activities and work with MTS and/or its future Contractor to provide all necessary and relevant documentation so that there is an orderly and effective transition of duties and responsibilities.

1.3. PAYPHONE EQUIPMENT AND LOCATIONS

Attachment 3 Pay Phone List is a list of payphone locations as of December 2023. Proposers are cautioned that this listing may no longer be current at date of contract award. Thus, the successful Proposer shall make recommendations where best to strategically place the new emergency communications solution within MTS stations with the MTS Project Manager or designee.

1.4. CONVERSION PLAN AND SITE DOCUMENTATION

A. Contractor shall submit to MTS within ten (10) business days after execution of a Contract the final mutually approved plan. The plan will list all payphones, their locations, and planned dates of conversion to the new emergency communications solution.

B. Upon completion of each conversion, the Contractor shall provide MTS with a written conversion completion report that will include:

- Site name.
- Site Address.

- Activation Date.
- Communications Wireless Services.
- Type of instrument and list of equipment installed.
- Statement of Adherence that assess calls have been placed, completed, and rated properly.
- Statement of Adherence to all applicable Americans with Disabilities Act (ADA) Standards for the location.
- Statement of Adherence to all Federal Communications Commission (FCC) and Telecommunications Reseller Association (TRA) "information posting" requirements.
- Signature of Authorized Contractor Representative.
- Any new equipment added.

C. Upon determination by Contractor that the emergency communications solution is non-compliant with the Statement of Adherence for test calls and information posting, Contractor shall so notify MTS and Contractor shall bring the emergency communications solution into compliance within two (2) business days of notification.

D. All MTS emergency communications equipment locations are believed to be currently in compliance with the ADA. If any are found to be non-compliant, Contractor shall bring the emergency communications equipment into compliance. Contractor shall document the request including locations and equipment identifying information; and provide confirmation/notification via email to the MTS Project Manager within two (2) business days of completion of the service request.

E. All fines, penalties and the like that may be levied by any governing authority for non-compliance with any Federal, State, or local law shall be the sole responsibility of the Contractor.

1.5. SERVICE REQUIREMENTS

A. The Contractor shall pay for all labor, materials, equipment, utilities, and other goods or services necessary for the full performance of all requirements of the contract. Contractor shall supervise and direct contract performance using its best skill and knowledge in meeting MTS' requirements. If, during the term of the contract, Contractor discovers defect in the goods provided under this contract, or any problem associated with the results of contract performance, or of any nonconformance with a provision of this contract or of federal, state, or local law, Contractor shall inform MTS immediately in writing with a full description of the defect, problem, or nonconformance.

B. Emergency communication equipment and services shall be provided and maintained at any location deemed necessary for emergency 911 calls.

C. It is the intent of MTS that the emergency communications solution be used for emergencies (i.e., 9-1-1 free). SDMTS' top priority is for its customers to have a safe and comfortable environment where they can make an emergency call for assistance.

D. Contractor shall provide a minimum of one (1) emergency communications solution at each trolley station. The emergency communications solution must be clearly visible and labeled as such.

E. To meet the requirements of the ADA, any new emergency communications solution installed at SDMTS facilities shall be embossed with tactile Braille.

1.6. INSTALLATION AND REMOVAL OF EMERGENCY COMMUNICATIONS SOLUTION

A. The Contractor shall add and/or remove emergency communications equipment, associated equipment, hardware, poles, and enclosures at MTS facilities upon MTS' request. If the Contractor recommends the addition and/or removal of a device, all proposal documentation shall be submitted in advance. Final approval must be granted by MTS prior to installation or removal of emergency communications equipment or related equipment. Expenses related to these activities are the responsibility of the Contractor.

B. The Contractor shall comply with all applicable requirements of the ADA, without limitations, including appropriate height of installation and tactile Braille the Contractor's expense. MTS may require installation of additional emergency communications equipment at any location.

C. The Contractor shall submit to MTS for approval detailed specifications for emergency communications equipment it proposes for installation. The Contractor shall similarly submit to MTS for approval detailed plans for the addition or removal of any emergency communications related devices.

Note: Please submit with your Technical Proposal pictures/images of proposed emergency communications equipment.

D. MTS maintains an inventory of payphones that include unit locations; addresses and site names (refer to Attachment 3 – Payphone List). Successful Proposer for the emergency communications solution shall continue to maintain an updated list and provide information updates upon its assumption of duties as the new Contractor. The inventory will contain types of device(s) at each location where a device is installed, as well as equipment recently added or removed.

E. The Contractor shall apply for and obtain all permits, licenses, approvals, and authorizations required for any installation, and pay all charges and fees necessary for the performance of the contract and shall give any necessary public notice for the lawful performance of the contract. Any expenses related to these activities are the responsibility of the Contractor and are not eligible for reimbursement by MTS.

The approval of the addition and/or removal of a device at any location submitted by the Contractor shall be determined by MTS using the following considerations at a minimum:

1) The need for, emergency communications equipment at the proposed site.
2) Interference which emergency communications equipment may cause with other uses of the site by MTS, its customers, or adjacent property owners.
3) Detriment which an emergency communications equipment may cause to aesthetic values of MTS property or adjacent property.
4) Hazards which the emergency communication equipment may cause at a particular site including, but not limited to, security, vandalism, or location.

F. The Contractor shall pay and assign all personnel working in proximity to tracks or light rail platforms to attend a one-day class for Roadway Workers or other field safety program as may be applicable to ensure conformance with MTS' safety requirements. Contractor shall coordinate with the MTS Project Manager to schedule this class and shall always comply with this safety requirement when working on MTS property.

Note: Any work to be performed by the Contractor for new installations, relocations, replacements, or repairs to emergency communications equipment related to this contract that may fall under "public works" must be approved by MTS and will be subject to general prevailing wage rates in accordance with the California Labor Code compliance.

1.7. MAINTENANCE OF EMERGENCY COMMUNICATIONS EQUIPMENT

The Contractor is and shall remain the owner of the emergency communications equipment and their associated equipment, hardware and enclosures operated under the authority of this contract, whether physically attached to real estate and whether the Contractor utilizes a subcontractor for maintenance of the pay phones.

The Contractor shall:

A. Provide and install emergency communications, associated equipment, hardware and enclosures, standalone poles at locations approved by MTS. All components used to provide service, when installed, shall be in good working order.

B. The minimum response time to any repair shall be within 24 hours for emergency repair requests. The maximum acceptable downtime is forty-eight (48) hours for non-emergency repair requests. The Contractor shall notify MTS of any emergency communications equipment with a longer anticipated downtime. MTS may require the Contractor to replace, rather than repair, the affected emergency communications equipment. Contractor shall document escalation procedures for troubles not repaired within the initial three full business days including names, positions, locations. For this section, a business day is from 8:00 AM to 5:00 PM Pacific time excluding weekends and holidays.

C. Contractor will perform maintenance inspections twice a month and include inspection logs to MTS as part of the monthly invoices process.

D. The Contractor shall perform preventive maintenance as may be required by the equipment manufacturer and as necessary to maintain the level of services proposed and provided throughout the term of this contract. Contractor shall provide the following:

1) A clean and attractive environment for users shall be maintained. The Contractor shall remove all graffiti, stickers, posters, litter, dust, and dirt from each emergency communication equipment

2) The necessary labor, parts, materials, and transportation to maintain all proposed telephone and related services equipment in good working order and in compliance with the equipment manufacturer's specifications throughout the term of this contract.

3) The Contractor shall bear responsibility for all equipment, supporting materials, and project coordination. Contractor shall not perform any boring and/or digging without prior approval from MTS.

4) Precautions shall be always exercised for the protection of persons and property. Damaged items shall be repaired to pre-existing conditions at the Contractor's expense.

1.8. EQUIPMENT STANDARDS

A. All equipment used to provide service, when installed, shall be of excellent quality and in good working order.

B. Any emergency communications equipment such as signs, lights, poles, sets, and attachments, fasteners that the Contractor replaces or adds must be replaced with equipment of comparable function and appearance, i.e., flush mount replaced by flush mount.

C. All emergency communication equipment shall comply with all applicable Federal, State, and local laws, rules and regulations concerning use by disabled persons and the hearing impaired over the life of the contract.

1.9. CONTRACTOR PRIMARY CONTACT AND BACK-UP

A. The Contractor shall provide one primary customer contact to MTS for the purpose of reporting necessary repairs or scheduling maintenance work. Names, contact numbers, and emails shall be provided in writing with a first and second level backup contact. Any change to these designations shall be effective immediately upon transmittal in writing by Contractor.

B. The Contractor's primary contact shall also be the Contractor's representative for the administration of the contract and supervision of any contract related work. In all matters relating to the performance of the work, payment, and in all situations involving actual, recommended, or proposed changes, SDMTS shall accept commitments and

instructions from the Contractor's primary contact.

C. The Contractor shall notify MTS immediately in writing of any change in the staffing of its MTS' account.

1.10. COMPLIANCE WITH LAWS AND REGULATIONS

A. Contractor shall adhere to all applicable federal, state, and local laws, regulations, executive orders, and ordinances applicable to the work under this contract.

B. Contractor shall not permit any lien or claim to be filed or prosecuted against MTS on account of any labor or material furnished.

C. All equipment shall be in complete compliance with all requirements of the laws of the State of California, City, and County of San Diego, as well as all applicable federal laws and regulations at date of delivery and/or installation at MTS property. Contractor shall implement and enforce all safety requirements that are standard in the industry and/or that are required by the SDMTS Safety Department.

1.11. PROHIBITED INTEREST

As an FTA grantee, MTS is required to inform the Contractor of the following:

No Board member, officer, or employee of MTS, during his tenure of for one year thereafter, shall have any interest, direct or indirect, in this contract or the proceeds thereof. No member of or delegate to the Congress of the United States shall be admitted to a share or part of this contract or to benefit arising therefrom.

1.12. INTEGRATED, MODIFICATION, AND ADMINISTRATIVE CHANGES

A. This contract includes the entire agreement of the parties and supersedes any prior discussions or agreements regarding the same subject. This contract may be modified in writing via a written amendment that has been signed by individuals authorized to bind each of the parties contractually. MTS reserves the right to make administrative changes to the contract unilaterally. An administrative change means a written contract change that does not affect the substantive rights of the parties.

B. At the end of the contract term if a new agreement is not in place, both parties agree to a month-to-month extension at the existing contract term, conditions, and rates until a new contract can be executed, provided that MTS notifies the Contractor in writing of its intention to do so at least ninety (90) days prior to the contract expiration date. In no event shall this extension exceed twelve (12) months. An extension of this contract will be affected through an amendment.

1.13. INTELLECTUAL PROPERTY

Contractor shall hold harmless, defend and indemnify MTS, its directors, officers, employees and agents from any loss of any kind, based on a claim that the work performed, or products provided hereunder, including material(s) or any part thereof, constitutes infringement of any patent, trademark, trade name, copyright, trade secret, or other intellectual property infringement, including but not limited to claims arising out of

the manufacture, sale or use of such work, products or materials. Such indemnification shall include all damages and costs incurred by MTS because of the claim, including legal fees.

1.14. INSPECTION OF APPLIANCE

A. MTS has the right to inspect and assess all supplies or services called for under the contract, to the extent practicable, always and places during the term of the contract. MTS shall perform inspections and tests in a manner that will not unduly delay the work.

B. If any of the supplies or services does not conform to the contract requirements, MTS may require the Contractor to replace the supplies or perform the services again in conformity with the contract requirements at no additional cost to MTS.

Monthly Reports:

- MTS requests that the proposer shall include a “monthly report” and/or update outlining the status of the emergency communications equipment, including but not limited to the following:
  - Connectivity of the equipment
  - Any downtime of the equipment
  - SLAs

1.15. ADDITION/REMOVAL OF EMERGENCY COMMUNICATION EQUIPMENT

MTS reserves the right to add or delete emergency communications equipment to or from this contract during its life. Any addition or deletions shall be managed via a written modification to this contract.

1.16. NO RIGHTS TO ADVERTISE

The Contractor shall not utilize or lease space on its emergency communications equipment on MTS property for the display of advertising. MTS has the exclusive right under this agreement to post advertisements on its properties.

1.17. ASSIGNMENT

Any assignment of this agreement by Contractor or any rights of hypothecation thereof in any manner, in whole or in part; without the prior written consent of SDMTS, shall be invalid.

1.18. INVOICES

Invoices must be sent to the MTS Accounting Department, via email, at ap@sdmts.com. All invoices must have the Purchase Order and contract number clearly displayed to ensure timely payment. MTS will not pay on packing slips, receiving documents, delivery documents, or other similar documents. Invoices must be submitted for payment.

Payment terms shall be net 30 days from invoice date.

Contractors must also indicate if any of the invoiced amount(s) is for service or work provided by a subcontractor and indicate the amount that will be paid to the subcontractor. Contractors must also comply with the prompt payment requirements in the *Prompt Progress Payments* section of the Standard Conditions.

1.19. [NOT APPLICABLE] MATERIAL SAFETY DATA SHEETS (MSDS)

1.20. [NOT APPLICABLE] NO RIGHT TO POST SIGNS

1.21. [NOT APPLICABLE] HEWLETT PACKARD ENTERPRISE (HPE) MINIMUM REQUIREMENTS

1.22. [NOT APPLICABLE] CISCO MINIMUM REQUIREMENTS

1.23. CONTRACTOR'S INFORMATION SECURITY RESPONSIBILITIES

MTS has established the following responsibilities to ensure the security of vendor operations in accordance with MTS policies, standards, and SOPs. The following procedures outline the expectations for Contractor and any subcontractors:

A. Contractor Lists: Contractor and any subcontractors must provide an up-to-date list of all staff working on the contract. This list should be promptly updated and submitted to MTS whenever there are staff changes.

B. ID and Security Clearances: Contractor and subcontractor onsite technicians must be issued MTS security badges/key cards. These badges/key cards should be visibly displayed at all times while on MTS premises.

C. Incident Reporting: Contractor and subcontractors agree to promptly report any security incidents or breaches involving their systems or access to the MTS network. Detailed incident response procedures should be provided, and cooperation in investigations, including the provision of necessary logs and evidence, is expected.

D. Change Management: Contractor and subcontracted personnel must adhere to all applicable MTS change control processes and procedures.

E. Patch Management: Contractor and subcontractors agree to promptly apply security patches and updates to their systems and software used to perform services in this contract.

F. Data Protection and Privacy: The vendor must protect MTS data in accordance with applicable laws and regulations, including those related to data privacy. Appropriate safeguards should be implemented to ensure the confidentiality, integrity, and availability of MTS data.

G. Remote Access and Forms: Remote access must be uniquely identifiable, and password management should comply with MTS password standards' reserves the right to determine the applicable virtual private network and encryption technologies used to access their systems and network. Remote access forms must be updated and submitted yearly or upon request by MTS.

H. Contractor Termination: Upon departure of a contractor from MTS for any reason, Contractor or subcontractors must ensure that all sensitive information is collected and

returned to MTS or destroyed within the timeframe specified in the original contract terms.

I. Keycard and Security Access: Upon termination of the contract or at the request of MTS, Contractor and subcontractors must surrender all MTS-issued identification badges, access cards, equipment, and supplies immediately. Equipment and supplies retained by Contractor or subcontractors must be documented and authorized by the MTS contract POC or their designee.

J. Auditing and Compliance: Contractor or subcontractor are required to comply with all applicable MTS security Policies, Standards and SOP's. Contractor and subcontractor must comply with MTS when conducting an audit or risk assessment based on contractual obligations and applicable security policy's, standard and SOP's set by MTS.

K. Disclosure and Sub-Contractor Security: If the vendor engages subcontractors or third-party service providers, they must ensure that these entities adhere to the same vendor information security obligations outlined in this contract. The vendor is responsible for the security practices of their subcontractors and should perform due diligence in selecting and monitoring them.

L. Training and Awareness: Contractor and subcontractors agree to provide security awareness training to individuals who have access to the MTS network or systems. The training should cover topics such as security policies, data handling, and incident response procedures. If training cannot be provided by Contractor or subcontracted staff then MTS provided training must be competed on initial access and yearly refresher training.

1.24. BUY AMERICA

This scope of work may trigger Buy America and/or Build America Buy America requirements, which apply to construction materials, manufactured products, rolling stock, iron and steel. The below list of definitions and examples is not exhaustive and is only to be used as illustrative and a guidance tool for Contractor compliance.

1.24.1. CONSTRUCTION MATERIALS

A. Per Infrastructure Investment and Jobs Act (IIJA) Sec. 70912 (2)(C), all construction materials must be manufactured in the United States. This means that all manufacturing processes for the construction material occurred in the United States.

B. "Construction materials" **includes** an article, material, or supply that is or consists primarily of:
   i. non-ferrous metals;
   ii. plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables);
   iii. glass (including optic glass);
   iv. lumber; or
   v. drywall.
      - Exception: "Construction Materials" **does not include** an item of primarily iron or steel; a manufactured product; cement and

cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives.

C. According to the Office of Management and Budget (OMB) Initial Implementation Guidance on Application of Buy America Preference in Federal Financial Assistance Programs for Infrastructure M-22-11, April 18, 2022, a Buy America preference only applies to articles, materials, and supplies that are consumed in, incorporated into, or affixed to an infrastructure project. As such, it does not apply to tools, equipment, and supplies, such as temporary scaffolding, brought to the construction site and removed at or before the completion of the infrastructure project. Nor does a Buy America preference apply to equipment and furnishings, such as movable chairs, desks, and portable computers.

1.24.2. MANUFACTURED PRODUCT

Per IIJA Section 70912 (2)(B), all manufactured products used in the project must be produced in the United States. Examples for manufactured products provided per Appendix A to 49 CFR 661.3 include: Infrastructure projects not made primarily of steel or iron, including structures (terminals, depots, garages, and bus shelters), ties and ballast; contact rail not made primarily of steel or iron; fare collection systems; computers; information systems; security systems; data processing systems; and mobile lifts, hoists, and elevators.

1.24.3. [NOT APPLIABLE] ROLLING STOCK

1.24.4. [NOT APPLICABLE] IRON OR STEEL

1.25. [NOT APPLICABLE] SAFETY DATA SHEETS (SDS)

1.26. NO RIGHT TO POST SIGNS

The Contractor shall not post or otherwise affix signs, decals or other media on MTS property or equipment, except as required to maintain safety during the course of repair or maintenance work. No permanent signs, decals, or other media may be installed without MTS's express written permission.

1.27. REPLACEMENT PARTS

Replacement parts and technical support for the specified equipment must be guaranteed by the manufacturer; to be available for a ten (10) year period from the date of purchase. Manufacturer shall keep parts books and maintenance manuals up-to-date for that period.

1.28. DELIVERY AND ACCEPTANCE

Equipment or any deliverable provided under this contract shall be delivered F.O.B. to SDTI, 1341 Commercial Street, San Diego, California 92113 unless otherwise specified, in first class condition, complete and ready for operation, and the Contractor shall assume all responsibility and risk of loss incident to said delivery. Contractor shall indicate delivery date on the Bid Form unless already specified, in which case, shall be made within the time set forth. Delivery is part of the consideration and must be adhered to as specified. Contractor will not be held liable for failure to make delivery because of strikes, construction of property, governmental regulations, acts of God or any other causes beyond his control, provided a written extension of time is obtained from MTS. Upon delivery, MTS will acknowledge receipt of said items or products. Delivery shall not

constitute acceptance. Upon inspection and testing (if necessary) by MTS, a determination will be made whether said items or products are in conformance with contract requirements. If found in conformance, MTS shall approve the Contractor's invoice for payment; thereby constituting acceptance. Payment terms begin from this point. If the delivered items or products are found not in compliance, MTS will immediately notify the Contractor, and furnish all details of deficiencies. Contractor shall correct the deficiencies or supply new items or products (at the discretion of MTS), and resubmit for inspection and testing (if necessary).

1.29. EXPEDITING

The goods furnished under this Agreement shall be subject to expediting by MTS. MTS shall be afforded free access to Contractor's shops, factories, or places of business, and those of Contractor's suppliers, for expediting purposes. As required by MTS, Contractor shall supply schedules, unpriced copies of purchase orders and progress reports for MTS's use in expediting.

1.30. [NOT APPLICABLE] ACQUISITION OF ROLLING STOCK

Labor					Year 1		Year 2		Year 3	
Item	Description	Est. Annual Qty.	Estimated # of Phones	Unit Type	Rate	Extended Total	Rate	Extended Total	Rate	Extended Total
1	Monthly Fee for Preventative Maintenance	12	112	each	$ 75.00	$ 100,800.00	$ 70.00	$ 94,080.00	$ 65.00	$ 87,360.00
2	Straight Time Hourly Rate. All inclusive rate for regular standard service calls (non-emergency)	50		each		$ -		$ -		$ -
3	Emergency Hourly Rate (non-standard hours, weekends, holidays)	50		each	$ 80.00	$ 4,000.00	$ 80.00	$ 4,000.00	$ 80.00	$ 4,000.00
					Total	$ 104,800.00		$ 98,080.00		$ 91,360.00

Materials						
Item	Description	Est. Qty.	Unit Type	Unit Price	Freight/ Shipping	Total Price
1	Telephone		each	$329		

*MTS anticipates the purchase of equipment replacements throughout the contract term. Please provide a spare part list with individual costs.

Other Direct Cost Schedule (ODC)		
Type of ODC	Unit Price	
Replacement hansets billed at cost each	$22.99	
Addional/replacement pedestals billed at cost each	$620	

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 7

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Imperial Avenue Division (IAD) 2nd Floor Administration Restroom Rehabilitation – Work Order Agreement

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute Work Order Agreement MTSJOC324-62 under Job Order Contract (JOC) MTS Doc. No. PWG324.0-21 (in substantially the same format as Attachment A) with ABC General Contracting, Inc. (ABCGC), in the amount of $375,626.65, for the rehabilitation of restrooms located on the 2nd floor of the administration building at IAD.

Budget Impact

The total cost for this work order is estimated at $375,626.65. Under separate MTS Doc No. L1282.0-16, with the Gordian Group, MTS will pay a 1.76% JOC software license fee in the amount of $6,611.03. This project is funded through the San Diego Transit Corporation (SDTC) Facility Maintenance Operations Budget account 331014-571142.

DISCUSSION:

The current restrooms on the 2nd floor of the IAD Administration building are original to the building and have become antiquated and beyond a state of good repair. The restrooms are used daily by a large number of administrative employees and have reached the end of their useful life. Examples of the current conditions in the facilities include loose and deteriorating toilet partitions, existing sinks and toilets that are heavily worn, damaged, broken and/or missing wall tiles. This general rehabilitation and repair project will ensure that employees have safe, secure, and clean restrooms for daily use.

The IAD 2nd Floor Administration Restroom Rehabilitation project generally consists of bringing the four (4) restrooms into a state of good repair by replacing all fixtures and accessories, replacing all flooring, painting all surfaces, replacing the toilet partitions, replacing all wall tiles, and installing hard-lid ceilings in lieu of the existing drop-in ceilings.



JOC is a procurement method under which public agencies may accomplish frequently encountered repairs, maintenance, and construction projects through a single, competitively procured long-term agreement.

The JOC program includes a catalog of pricing for a variety of potential tasks to be performed under the contract that have been pre-priced by the contractor, the Gordian Group. All potential contractors are subject to the pricing within this catalog. Each contractor then includes an adjustment factor, escalating their proposed price from the catalog price, to determine the total cost of the task order. The adjustment factor represents an average percentage increase over the catalog price (i.e. 1.25 adjustment factor represents 25% above the catalog price) for that respective task within the project. To select the lowest responsive and responsible bidder, MTS staff compares each contractor's proposed adjustment factor.

On October 6, 2020, MTS issued an Invitation for Bids (IFB) seeking a contractor to provide JOC building and facilities construction services that primarily consist of repair, remodeling, or other repetitive work and general building and facility contracting services. These services include, but are not limited to, demolition, maintenance, and modification of existing buildings and facilities, as well as any required incidental professional and technical services.

Nine (9) bids were received, and MTS determined that ABCGC was the lowest responsive and responsible bidder. On December 10, 2020, Agenda Item (AI) 11), the MTS Board authorized the CEO to execute MTS Doc. No. PWG324.0-21 with ABCGC for General Building Construction Services.

Today's proposed action would issue a work order to ABCGC under this JOC master agreement. Pricing for this repair work order was reviewed and determined to be fair and reasonable. ABCGC will be providing all materials, labor, and equipment for the restroom rehabilitation. Work is expected to be completed by June 30, 2025. A&S Flooring (a Minority Owned Business Enterprise (MBE) and Small Business (SB)), Inc., Harborside Construction, Inc., Janus Corporation, Performance Plumbing & Mechanical, and The Doctor of Electricity will be used as subcontractors for this work order.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Work Order Agreement MTSJOC324-62 under JOC MTS Doc. No. PWG324.0-21 (in substantially the same format as Attachment A) with ABCGC, in the amount of $375,626.65, for the rehabilitation of restrooms located on the 2nd floor of the IAD Administration building.

This work order is not subject to the Project Labor Agreement (PLA) approved under Board Policy No. 66 because it is under $1,000,000.00, and it is under a JOC agreement that was executed before the effective date of the PLA.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachment: A. Draft Work Order MTS Doc. No. MTSJOC324-62

Metropolitan Transit System

JOB ORDER CONTRACT
WORK ORDER

PWG324.0-21
CONTRACT NUMBER

MTSJOC324-62
WORK ORDER NUMBER

THIS AGREEMENT is entered into this _____ day of _____ 2025, in the state of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: ABC General Contractor, Inc.

Address: 3120 National Avenue
San Diego, CA 92113

Form of Business: Corporation
(Corporation, partnership, sole proprietor, etc.)

Telephone: (619) 247-7113

Authorized person to sign contracts: Travis Brozowski (Name) President (Title)

Pursuant to the existing Job Order Contract (MTS Doc. No. PWG324.0-21), MTS issues a Work Order to Contractor to complete the detailed Scope of Work (attached hereto as Exhibit A), the Cost Breakdown for the Scope of Work (attached hereto as Exhibit B), and the Subcontractor List applicable to this Work Order (attached hereto as Exhibit C). Federal terms in accordance with the master agreement shall apply.

TOTAL PAYMENTS TO CONTRACTOR SHALL NOT EXCEED $375,626.65

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	ABC GENERAL CONTRACTOR, INC.
By: _____ Sharon Cooney, Chief Executive Officer	Firm: _____
Approved as to form:	By: _____ Signature
By: _____ Karen Landers, General Counsel	Title: _____

DRAFT

EXHIBIT A

Scope of Work

DRAFT

San Diego Metropolitan Transit System
1255 Imperial Ave
San Diego, California 92101

Final Scope of Work

Date: 3/26/2025

Job Order Contracting

To: **From:**

Contract Number:	PWG324.0-21
Job Order Number:	MTSJOC324-62
Job Order Title:	IAD Admin 2nd Floor Restrooms Renovation
Location:	IAD 100 16th St. San Diego, CA 92101
Brief Scope of Work:	

DRAFT

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

SCOPE OF WORK/MINIMUM TECHNICAL SPECIFICATIONS

1 GENERAL:

The 2nd floor restrooms in the IAD admin building are beyond their useful life and are in need of full renovation in order to return to a state of good repair.

All work is to occur within 100 16th St, San Diego, CA 92101.

2 STAGING:

Contractor is to keep and store all materials and equipment within the work area as possible. Any further staging would have to be coordinated with the MTS Project Manager. There may be some available space within or adjacent to the IAD Admin building. All property stored onsite is the responsibility of the contractor and MTS shall not be held liable for any and all equipment, material, tools, etc.

3 TEMP FACILITIES:

The contractor is to provide their own temporary restrooms and wash facilities as needed. Contractor is responsible for temp power and water.

4 SAFETY AND ACCESS:

Diligent caution must be taken during the undertaking of this work. All work will occur within the 2nd floor of the IAD Admin building and so caution must be used around facility staff. Key personnel will be granted badges for access. Only vehicles necessary for the performance of the work shall be parked within the yard adjacent to the IAD Admin Building.

5 WASTE:

The contractor is responsible for legally disposing of any and all waste in relation to the work. The contractor shall not use any onsite receptacles to dispose of material generated during the performance of this contract. Contractor is responsible for general cleanup at the end of each work day.

6 SCHEDULE AND SEQUENCING:

All work shall be completed within Ninety (90) calendar days from issuance of Notice to Proceed. It is assumed there will be some lead time for some items, which is included in the duration. The work shall commence once all material is available and the work can proceed without stoppages.

7 DETAILED SCOPE OF WORK:

Contractor is to phase construction so as to only take 1 pair of bathrooms out of commission at a time. Contractor is to demo all existing fixtures, accessories, and finishes to stud. Contractor is to demo and dispose of all lead and ACM contaminated waste in accordance with all state and local guidelines. Contractor is to provide and install new tile floors, tile 4' up all walls with full Schluter trim, and transition strip between new tile floor and VCT (VCT in vestibules to remain.) Contractor is to make any repairs necessary to drywall on walls. Contractor is to frame, sheet, tape, texture, and paint new hard lid in all bathrooms. Contractor is to maintain and trim out any existing convenience outlets. Contractor is to provide and install all new fixtures to match existing count. Contractor is to provide and install new soap, paper towel, and toilet paper/seat cover dispensers. Contractor is to provide and install new stainless-steel partitions with privacy strips on all doors/gaps. New partition layout to be confirmed on site. Contractor is to verify operation of exhaust fans. Contractor is to provide and install new motion sensors in all restrooms. Contractor is to provide and install new mirrors above all sinks. Contractor is to provide and install new floor drain grates. Hazardous materials report will be supplied by MTS. All fixtures/finishes to match previous IAD/KMD restroom project.

All job orders include the labor, equipment, and material costs for a complete and in-place installation, unless otherwise noted.

DRAFT

ABC General Contractor, Inc.

BUY AMERICA (IRON, STEEL, MANUFACTURED PRODUCTS AND CONSTRUCTION MATERIALS)

ALTERNATIVE A

CERTIFICATE OF COMPLIANCE WITH BUY AMERICA REQUIREMENTS

The bidder hereby certifies that it will comply with the requirements of Section 49 U.S.C. 5323 (j)(1), the applicable regulations in 49 C.F.R. 661, and Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: ABC General Contractor, Inc.

Signature: _____

Date: 9/27/2024

CERTIFICATE FOR NON-COMPLIANCE WITH BUY AMERICA REQUIREMENTS

ALTERNATIVE B

The Proposer hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323 (j)(1) or Section 70914 of the Infrastructure Investment Jobs Act but it may qualify for an exception to the requirement pursuant to Section 49 U.S.C. 5323 (j)(2), and the applicable regulations in 49 C.F.R. 661.7 or Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: _____

Signature: _____

Date: _____

Complete the form on the next page if you select Alternative B.

NOTE: COMPLETE EITHER ALTERNATIVE A OR B - DO NOT COMPLETE BOTH.

DRAFT

Doctor of Electricity

BUY AMERICA (IRON, STEEL, MANUFACTURED PRODUCTS AND CONSTRUCTION MATERIALS)

ALTERNATIVE A

CERTIFICATE OF COMPLIANCE WITH BUY AMERICA REQUIREMENTS

The bidder hereby certifies that it will comply with the requirements of Section 49 U.S.C. 5323 (j)(1), the applicable regulations in 49 C.F.R. 661, and Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: Roger Brav / Owner

Signature: _____

Date: 9/25/2024

CERTIFICATE FOR NON-COMPLIANCE WITH BUY AMERICA REQUIREMENTS

ALTERNATIVE B

The Proposer hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323 (j)(1) or Section 70914 of the Infrastructure Investment Jobs Act but it may qualify for an exception to the requirement pursuant to Section 49 U.S.C. 5323 (j)(2), and the applicable regulations in 49 C.F.R. 661.7 or Section 70914 of the Infrastructure Investment Jobs Act.

DRAFT

ACKNOWLEDGED AND AGREED

Print Name: _____

Signature: _____

Date: _____

Complete the form on the next page if you select Alternative B.

NOTE: COMPLETE EITHER ALTERNATIVE A OR B - DO NOT COMPLETE BOTH.

Stumbaugh

BUY AMERICA (IRON, STEEL, MANUFACTURED PRODUCTS AND CONSTRUCTION MATERIALS)

ALTERNATIVE A

CERTIFICATE OF COMPLIANCE WITH BUY AMERICA REQUIREMENTS

The bidder hereby certifies that it will comply with the requirements of Section 49 U.S.C. 5323 (j)(1), the applicable regulations in 49 C.F.R. 661, and Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: Clain Collins

Signature: Clain Collins

Date: 9/25/24

CERTIFICATE FOR NON-COMPLIANCE WITH BUY AMERICA REQUIREMENTS

ALTERNATIVE B

The Proposer hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323 (j)(1) or Section 70914 of the Infrastructure Investment Jobs Act but it may qualify for an exception to the requirement pursuant to Section 49 U.S.C. 5323 (j)(2), and the applicable regulations in 49 C.F.R. 661.7 or Section 70914 of the Infrastructure Investment Jobs Act.

DRAFT

ACKNOWLEDGED AND AGREED

Print Name: _____

Signature: _____

Date: _____

Complete the form on the next page if you select Alternative B.

NOTE: COMPLETE EITHER ALTERNATIVE A OR B - DO NOT COMPLETE BOTH.

ABC General Contractor, Inc.

BUY AMERICA (IRON, STEEL, MANUFACTURED PRODUCTS AND CONSTRUCTION MATERIALS)

ALTERNATIVE A

CERTIFICATE OF COMPLIANCE WITH BUY AMERICA REQUIREMENTS

The bidder hereby certifies that it will comply with the requirements of Section 49 U.S.C. 5323 (j)(1), the applicable regulations in 49 C.F.R. 661, and Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: Harborside Construction, Inc.

Signature: _____

Date: 9/27/2024

CERTIFICATE FOR NON-COMPLIANCE WITH BUY AMERICA REQUIREMENTS

ALTERNATIVE B

The Proposer hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323 (j)(1) or Section 70914 of the Infrastructure Investment Jobs Act but it may qualify for an exception to the requirement pursuant to Section 49 U.S.C. 5323 (j)(2), and the applicable regulations in 49 C.F.R. 661.7 or Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: _____

Signature: _____

Date: _____

Complete the form on the next page if you select Alternative B.

NOTE: COMPLETE EITHER ALTERNATIVE A OR B - DO NOT COMPLETE BOTH.

DRAFT

BUY AMERICA (IRON, STEEL, MANUFACTURED PRODUCTS AND CONSTRUCTION MATERIALS)

ALTERNATIVE A

CERTIFICATE OF COMPLIANCE WITH BUY AMERICA REQUIREMENTS

The bidder hereby certifies that it will comply with the requirements of Section 49 U.S.C. 5323 (j)(1), the applicable regulations in 49 C.F.R. 661, and Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: Aaron Costello

Signature: Aaron Costello

Date: 9-25-24

CERTIFICATE FOR NON-COMPLIANCE WITH BUY AMERICA REQUIREMENTS

ALTERNATIVE B

The Proposer hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323 (j)(1) or Section 70914 of the Infrastructure Investment Jobs Act but it may qualify for an exception to the requirement pursuant to Section 49 U.S.C. 5323 (j)(2), and the applicable regulations in 49 C.F.R. 661.7 or Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: _____

Signature: _____

Date: _____

Complete the form on the next page if you select Alternative B.

NOTE: COMPLETE EITHER ALTERNATIVE A OR B - DO NOT COMPLETE BOTH.

DRAFT

Janus Corporation

BUY AMERICA (IRON, STEEL, MANUFACTURED PRODUCTS AND CONSTRUCTION MATERIALS)

ALTERNATIVE A

CERTIFICATE OF COMPLIANCE WITH BUY AMERICA REQUIREMENTS

The bidder hereby certifies that it will comply with the requirements of Section 49 U.S.C. 5323 (j)(1), the applicable regulations in 49 C.F.R. 661, and Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: JOHN DENTON

Signature:

Date: 9-25-2024

CERTIFICATE FOR NON-COMPLIANCE WITH BUY AMERICA REQUIREMENTS

ALTERNATIVE B

The Proposer hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323 (j)(1) or Section 70914 of the Infrastructure Investment Jobs Act but it may qualify for an exception to the requirement pursuant to Section 49 U.S.C. 5323 (j)(2), and the applicable regulations in 49 C.F.R. 661.7 or Section 70914 of the Infrastructure Investment Jobs Act.

ACKNOWLEDGED AND AGREED

Print Name: _____

Signature: _____

Date: _____

Complete the form on the next page if you select Alternative B.

NOTE: COMPLETE EITHER ALTERNATIVE A OR B - DO NOT COMPLETE BOTH.

DRAFT

EXHIBIT B

Cost Breakdown

DRAFT

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Division		Install Total	NPP Total	Demo Total	Division Total
01	General Requirements	$79,932.01	$0.00	$0.00	$79,932.01
02	Existing Conditions	$92,178.38	$0.00	$0.00	$92,178.38
05	Metals	$4,928.39	$0.00	$0.00	$4,928.39
09	Finishes	$59,287.79	$0.00	$3,112.06	$62,399.85
10	Specialties	$83,926.33	$0.00	$4,971.73	$88,898.06
22	Plumbing	$38,237.81	$0.00	$1,634.41	$39,872.22
26	Electrical	$6,916.83	$0.00	$500.91	$7,417.74
	Total:	**$365,407.54**	**$0.00**	**$10,219.11**	**$375,626.65**

Line Count: 67 **Proposal Total: $375,626.65**

Total Reflects Filtered Statuses: Added, Clarification Requested, Clarified, Confirmed Removal, Modified, No Change, OverRuled, Rejected, Removed, Retained, System Removal Acknowledged by Contractor, System Removal Acknowledged by Owner, System Removed

The Percentage of Non Pre-Priced on this Proposal: 0.0%

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

---

01 General Requirements — **$79,932.01**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
1	012223000156	Up To 2,000 CFM, Portable Negative Air Machine	Install	12.00	$959.93	MO	1.1579	$13,338.04

Accepted

History: 1.2 Added,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: 2 rented for 6 weeks per restroom location x 4 restrooms = 48 weeks (12 months)

Total: $13,338.04

Division 01 General Requirements Total: $13,338.04

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
2	015616000068	Masonite For Temporary Floor Protection	Install	24,000.00	$1.50	SF	1.1579	$41,684.40

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: Create Nightly/Daily walkway from Restrooms to exterior staging area across occupied floors
Estimated 250x4 x 1 per week (6) x 4 restrooms = 24,000

Total: $41,684.40

Division 01 General Requirements Total: $41,684.40

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
3	016500000004	>250 To 500' Material Handling On Site With Wheelbarrow	Install	1,200.00	$12.30	EA	1.1579	$17,090.60

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Hauling in and Out, Average 10 loads per day, 30 days x 4 restrooms

Total: $17,090.60

Division 01 General Requirements Total: $17,090.60

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
4	017413000003	Collect Existing Debris And Load Into Truck Or Dumpster	Install	160.00	$21.83	CY	1.1579	$4,044.31

Accepted

History: 1.3 Added,1.4 Clarification Requested,1.5 Modified,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Owner Comments: *V:1.4-This seems to be double-dipping with the dumpster line item. If this reflective of abated materials not going into dumpster, please update quantity and item note.*

Contractor Comments: *V:1.5-Quantity updated. Normal debris haul out to exterior dumpster*

User Note: 1 40CY per restroom

Item Note: Per CY of debris removed.

Total:	**$4,044.31**
Division 01 General Requirements Total:	**$4,044.31**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
5	017419000016	40 CY Dumpster (5 Ton) "Construction Debris"	Install	4.00	$814.98	EA	1.1579	$3,774.66

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: 1 40CY per restroom

Item Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.

Total:	**$3,774.66**
Division 01 General Requirements Total:	**$3,774.66**

02 Existing Conditions **$92,178.38**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
6	024119130281	5/8" Diameter Drilling In Concrete Per Inch Of Depth	Install	264.00	$2.34	IN	1.1579	$715.30

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Floor Anchors for new partitions, est 22 holes x 3in x 4 restrooms

Total:	**$715.30**
Division 02 Existing Conditions Total:	**$715.30**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
7	028233000073	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	Install	2,088.00	$25.23	SF	1.1579	$60,998.45

Accepted

History: 1.1 Added,1.2 Removed,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Owner Comments: *V:1.2-incorrect line item and quantity*

User Note: 4 Separate Areas worked on separately
OP Mens - 68LF of Walls x 9' = 612SF
OP Womens - 42LF of Walls x 9' = 378SF
EC Mens - 61LF of Walls x 9' = 549SF
EC Womens - 61LF of Walls x 9' = 549SF

Total: $60,998.45

Division 02 Existing Conditions Total: $60,998.45

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
8	028233000099	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	Install	4.00	$670.38	SET	1.1579	$3,104.93

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Total: $3,104.93

Division 02 Existing Conditions Total: $3,104.93

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
9	028233000100	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	Install	504.00	$7.10	SF	1.1579	$4,143.43

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Total Floors: 504SF
OP Mens - 154SF
OP Womens - 110SF
EC Mens - 120SF
EC Womens - 120SF

Total: $4,143.43

Division 02 Existing Conditions Total: $4,143.43

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
10	028319130081	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	Install	504.00	$1.22	SF	1.1579	$711.97

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Total Floors: 504SF
OP Mens - 154SF
OP Womens - 110SF
EC Mens - 120SF
EC Womens - 120SF

Total: $711.97

Division 02 Existing Conditions Total: $711.97

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
11	029050000546	Minimum For Emergency Cleaning	Install	24.00	$809.81	EA	1.1579	$22,504.30

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

User Note: Clean haul route through buildings nightly, 24 weeks duration

Total: $22,504.30

Division 02 Existing Conditions Total: $22,504.30

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

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05 Metals **$4,928.39**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
12	050519000013	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	Install	88.00	$16.81	EA	1.1579	$1,712.86

Accepted ***History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted***

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Floor Anchors for new partitions, 22ea restrooms x 4

Total: $1,712.86

Division 05 Metals Total: $1,712.86

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
13	054100000015	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	Install	504.00	$4.27	SF	1.1579	$2,491.89

Accepted ***History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted***

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: 504SF New Drywall Cielings

Total: $2,491.89

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
14	054100000015	For Up To 200, Add **MOD: 0175**	Install	504.00	$1.24	SF	1.1579	$723.64

Accepted ***History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted***

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: 4 small areas

Total: $723.64

Division 05 Metals Total: $3,215.53

09 Finishes **$62,399.85**

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
15	090160910003	Removal Of Setting Bed And Clean Area For Terrazzo Repair	Install	504.00	$3.81	SF	1.1579	$2,223.45

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: 504SF, Existing Tile before new can go down

Total: $2,223.45

Division 09 Finishes Total: $2,223.45

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
16	090160910012	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring	Install	504.00	$7.60	SY	1.1579	$4,435.22

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

Total: $4,435.22

Division 09 Finishes Total: $4,435.22

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
17	090160910013	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	Install	504.00	$6.64	SY	1.1579	$3,874.98

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Total: $3,874.98

Division 09 Finishes Total: $3,874.98

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
18	090190520015	Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	Install	2,088.00	$0.87	SF	1.1579	$2,103.39

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Modified,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Total Walls: 2,088SF
OP Mens - 68LF of Walls x 9' = 612SF
OP Womens - 42LF of Walls x 9' = 378SF
EC Mens - 61LF of Walls x 9' = 549SF
EC Womens - 61LF of Walls x 9' = 549SF

Total: $2,103.39

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
19	090190520015	For >250 To 500, Add **MOD: 0325**	Install	2,088.00	$0.20	SF	1.1579	$483.54

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Modified,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

User Note: Separate Areas

Total: $483.54

Division 09 Finishes Total: $2,586.93

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
20	090561130002	Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000)	Install	4.00	$1,976.57	EA	1.1579	$9,154.68

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: 4 Bathrooms
Total Floors: 504SF
OP Mens - 154SF
OP Womens - 110SF
EC Mens - 120SF
EC Womens - 120SF

Item Note: Clear

Total: $9,154.68

Division 09 Finishes Total: $9,154.68

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
21	092313000017	Smooth Finish Two Coats Gypsum Plaster On Walls	Install	2,088.00	$5.36	SF	1.1579	$12,958.85

Accepted

History: 1.1 Added,1.2 Removed,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Owner Comments: *V:1.2-Incorrect line item. Use gyp finishing items not plastering.*

User Note: OP Mens - 68LF of Walls x 9' = 612SF
OP Womens - 42LF of Walls x 9' = 378SF
EC Mens - 61LF of Walls x 9' = 549SF
EC Womens - 61LF of Walls x 9' = 549SF

Total: $12,958.85

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
22	092313000017	For >100 To 500, Add **MOD: 0037**	Install	2,088.00	$1.25	SF	1.1579	$3,022.12

Accepted

History: 1.1 Added,1.2 Removed,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Separate Areas worked on separately

Total: $3,022.12

Division 09 Finishes Total: $15,980.97

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
23	092816000003	5/8" DensShield Tile Backer For Installation On Floors	Install	2,088.00	$2.99	SF	1.1579	$7,228.91
Accepted		***History: 1.1 Added,1.2 Removed,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	2,088.00	$0.70	SF	1.1579	$1,692.39

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Owner Comments: *V:1.2-not installing backerboard on floor.*

Contractor Comments: *V:1.3-There is no "walls" line item for the Denshield*

User Note: Total Walls: 2,088SF
OP Mens - 68LF of Walls x 9' = 612SF
OP Womens - 42LF of Walls x 9' = 378SF
EC Mens - 61LF of Walls x 9' = 549SF
EC Womens - 61LF of Walls x 9' = 549SF

Total: $8,921.30

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
24	092816000003	For Installation On Wall, Add **MOD: 0063**	Install	2,088.00	$0.35	SF	1.1579	$846.19
Accepted		***History: 1.1 Added,1.2 Removed,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***						

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

Total: $846.19

Division 09 Finishes Total: $9,767.49

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
25	092910000006	5/8" Gypsum Board	Install	504.00	$1.44	SF	1.1579	$840.36

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: 504SF new Ceilings

Total: $840.36

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
26	092910000006	For Up To 128, Add	MOD: 0054	Install	504.00	$0.50	SF	1.1579	$291.79

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: 4 small separate areas

Total: $291.79

Division 09 Finishes Total: $1,132.15

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
27	092910000038	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	Install	2,088.00	$0.28	SF	1.1579	$676.95

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: 2088

Total: $676.95

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
28	092910000038	For ASTM C840 Level 5 High Quality Finish, Add **MOD: 0048**	Install	2,088.00	$0.20	SF	1.1579	$483.54

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

Total: $483.54

Division 09 Finishes Total: $1,160.49

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
29	092910000041	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	Install	504.00	$0.36	SF	1.1579	$210.09
Accepted		*History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted*						
		Includes Labor Yes Includes Equipment No Includes Materials Yes						
		User Note: 504SF						
							Total:	**$210.09**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
30	092910000041	For Up To 128, Add **MOD: 0042**	Install	504.00	$0.13	SF	1.1579	$75.87
Accepted		*History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted*						
		Includes Labor Yes Includes Equipment No Includes Materials Yes						
							Total:	**$75.87**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
31	092910000041	For ASTM C840 Level 5 High Quality Finish, Add **MOD: 0048**	Install	504.00	$0.26	SF	1.1579	$151.73
Accepted		*History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted*						
		Includes Labor Yes Includes Equipment No Includes Materials Yes						
							Total:	**$151.73**
							Division 09 Finishes Total:	**$437.69**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
32	093013000012	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	Install	232.00	$15.19	LF	1.1579	$4,080.53
Accepted		*History: 1.1 Added,1.2 Removed,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted*	Demo:	600.00	$2.02	LF	1.1579	$1,403.37

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Owner Comments: *V:1.2-not using cove tile*

User Note: OP Mens - 68LF of Walls
OP Womens - 42LF of Walls
EC Mens - 61LF of Walls
EC Womens - 61LF of Walls

Total: $5,483.90

Division 09 Finishes Total: $5,483.90

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
33	093013000013	6" High, Unpolished Ceramic Cove Base Outer Corner	Install	26.00	$11.13	EA	1.1579	$335.07
Accepted		*History: 1.1 Added,1.2 Removed,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted*	Demo:	32.00	$0.44	EA	1.1579	$16.30

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Owner Comments: *V:1.2-not using cove tile*

Total: $351.37

Division 09 Finishes Total: $351.37

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
34	093900000009	1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	Install	232.00	$4.98	LF	1.1579	$1,337.79
Accepted		*History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted*						

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Top of Tile along Wall

OP Mens - 68LF of Walls
OP Womens - 42LF of Walls
EC Mens - 61LF of Walls
EC Womens - 61LF of Walls

Total: $1,337.79

Division 09 Finishes Total: $1,337.79

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
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Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
35	099123000062	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	Install	2,088.00	$0.55	SF	1.1579	$1,329.73

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Owner Comments: *V:1.2-quantity excessive*

User Note: Walls: 2,088SF

Total: $1,329.73

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
36	099123000062	For >250 To 500, Add **MOD: 0280**	Install	2,088.00	$0.07	SF	1.1579	$169.24

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: 4 separate areas

Total: $169.24

Division 09 Finishes Total: $1,498.97

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
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Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
37	099123000064	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	Install	2,088.00	$1.09	SF	1.1579	$2,635.29

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Owner Comments: *V:1.2-quantity excessive*

User Note: Walls: 2,088SF

Total: $2,635.29

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
38	099123000064	For >250 To 500, Add **MOD: 0280**	Install	2,088.00	$0.14	SF	1.1579	$338.48

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: 4 separate areas

Total: $338.48

Division 09 Finishes Total: $2,973.77

10 Specialties **$88,898.06**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
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Proposal Value: $375,626.65
Approved Date: March 11, 2025

Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
39	102113140014	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	Install	10.00	$2,149.54	EA	1.1579	$24,889.52
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	10.00	$157.17	EA	1.1579	$1,819.87

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: 10 Stalls

Total: $26,709.39

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
40	102113140014	For Heavy Gauge Full-Height SS Hinges And Brackets, Add **MOD: 0165**	Install	20.00	$166.70	EA	1.1579	$3,860.44
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***						

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

User Note: 2 per door

Total: $3,860.44

Division 10 Specialties Total: $30,569.83

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
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Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
41	102113140035	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	Install	4.00	$689.57	EA	1.1579	$3,193.81
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	4.00	$70.81	EA	1.1579	$327.96
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$3,521.77**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
42	102113140035	For Heavy Gauge Full-Height SS Brackets, Add **MOD: 0167**	Install	8.00	$46.19	EA	1.1579	$427.87
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***						
		Includes Labor No Includes Equipment No Includes Materials Yes						
		User Note: 2 per						
							Total:	**$427.87**
							Division 10 Specialties Total:	**$3,949.64**

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Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
43	102113140040	30" x 58" x 1", Stainless Steel, Toilet Partition Door	Install	10.00	$415.56	EA	1.1579	$4,811.77
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	10.00	$19.92	EA	1.1579	$230.65
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$5,042.42**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
44	102113140040	For Heavy Gauge Full-Height SS Hinge, Add **MOD: 0166**	Install	40.00	$74.33	EA	1.1579	$3,442.67
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***						
		Includes Labor No Includes Equipment No Includes Materials Yes						
		User Note: 4 per panel						
							Total:	**$3,442.67**
							Division 10 Specialties Total:	**$8,485.09**

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Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
45	102113140056	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	Install	10.00	$726.13	EA	1.1579	$8,407.86
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	10.00	$50.92	EA	1.1579	$589.60
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$8,997.46**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
46	102113140056	For Heavy Gauge Full-Height SS Brackets, Add **MOD: 0167**	Install	40.00	$46.19	EA	1.1579	$2,139.34
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted***						
		Includes Labor No Includes Equipment No Includes Materials Yes						
		User Note: 4 per panel						
							Total:	**$2,139.34**
							Division 10 Specialties Total:	**$11,136.80**

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Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
47	102113140086	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	Install	10.00	$625.90	EA	1.1579	$7,247.30
Accepted		*History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted*	Demo:	10.00	$35.42	EA	1.1579	$410.13
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$7,657.43**
Record #	**CSI Number**	**Description**	**Type**	**Quantity**	**Unit Price**	**UOM**	**Factor**	**Line Total**
48	102113140086	For Heavy Gauge Full-Height SS Brackets, Add **MOD: 0167**	Install	40.00	$46.19	EA	1.1579	$2,139.34
Accepted		*History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted*						
		Includes Labor No Includes Equipment No Includes Materials Yes						
		User Note: 4 per panel						
							Total:	**$2,139.34**
							Division 10 Specialties Total:	**$9,796.77**
Record #	**CSI Number**	**Description**	**Type**	**Quantity**	**Unit Price**	**UOM**	**Factor**	**Line Total**
49	102813130015	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	Install	8.00	$370.36	EA	1.1579	$3,430.72
Accepted		*History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted*	Demo:	8.00	$19.91	EA	1.1579	$184.43
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$3,615.15**
							Division 10 Specialties Total:	**$3,615.15**

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Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
50	102813130062	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	Install	8.00	$273.70	EA	1.1579	$2,535.34
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	8.00	$19.91	EA	1.1579	$184.43
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$2,719.77**
							Division 10 Specialties Total:	**$2,719.77**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
51	102813130095	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	Install	6.00	$516.61	EA	1.1579	$3,589.10
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	6.00	$19.91	EA	1.1579	$138.32
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$3,727.42**
							Division 10 Specialties Total:	**$3,727.42**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
52	102813130104	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	Install	10.00	$555.50	EA	1.1579	$6,432.13
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	10.00	$44.26	EA	1.1579	$512.49
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$6,944.62**
							Division 10 Specialties Total:	**$6,944.62**

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Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
53	102813130128	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	Install	4.00	$852.29	EA	1.1579	$3,947.47
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	4.00	$44.26	EA	1.1579	$204.99
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$4,152.46**
							Division 10 Specialties Total:	**$4,152.46**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
54	102813130144	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	Install	4.00	$86.48	EA	1.1579	$400.54
Accepted		***History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	4.00	$17.70	EA	1.1579	$81.98
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$482.52**
							Division 10 Specialties Total:	**$482.52**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
55	102813130146	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	Install	4.00	$93.30	EA	1.1579	$432.13
Accepted		***History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	4.00	$17.70	EA	1.1579	$81.98
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$514.11**
							Division 10 Specialties Total:	**$514.11**

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Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
56	102813130320	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	Install	8.00	$280.57	EA	1.1579	$2,598.98
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	8.00	$22.12	EA	1.1579	$204.90
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$2,803.88**
							Division 10 Specialties Total:	**$2,803.88**

22 Plumbing **$39,872.22**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
57	220140810004	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	Install	8.00	$25.10	EA	1.1579	$232.51
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	8.00	$0.00	EA	1.1579	$0.00
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$232.51**
							Division 22 Plumbing Total:	**$232.51**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
58	220140810005	Single Bowl Sink/Lavatory Drain Line Replacement	Install	8.00	$34.76	EA	1.1579	$321.99
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	8.00	$0.00	EA	1.1579	$0.00
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$321.99**
							Division 22 Plumbing Total:	**$321.99**

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Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
59	221313000004	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	Install	10.00	$1,108.53	EA	1.1579	$12,835.67
Accepted		***History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	10.00	$0.00	EA	1.1579	$0.00

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Item Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.

Total:	**$12,835.67**
Division 22 Plumbing Total:	**$12,835.67**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
60	221313000006	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	Install	2.00	$495.91	EA	1.1579	$1,148.43
Accepted		***History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	2.00	$0.00	EA	1.1579	$0.00

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Item Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.

Total:	**$1,148.43**
Division 22 Plumbing Total:	**$1,148.43**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
61	221313000012	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	Install	8.00	$791.01	EA	1.1579	$7,327.28
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	8.00	$0.00	EA	1.1579	$0.00

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Item Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.

Total:	**$7,327.28**
Division 22 Plumbing Total:	**$7,327.28**

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Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
62	224213130051	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	Install	10.00	$703.05	EA	1.1579	$8,140.62
Accepted		*History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted*	Demo:	10.00	$47.01	EA	1.1579	$544.33
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$8,684.95**
							Division 22 Plumbing Total:	**$8,684.95**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
63	224213160006	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	Install	2.00	$711.90	EA	1.1579	$1,648.62
Accepted		*History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted*	Demo:	2.00	$95.26	EA	1.1579	$220.60
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$1,869.22**
							Division 22 Plumbing Total:	**$1,869.22**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
64	224239000014	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	Install	8.00	$292.86	EA	1.1579	$2,712.82
Accepted		*History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted*	Demo:	8.00	$48.34	EA	1.1579	$447.78
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$3,160.60**
							Division 22 Plumbing Total:	**$3,160.60**

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Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
65	224243000004	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	Install	10.00	$230.58	EA	1.1579	$2,669.89
Accepted		***History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	10.00	$30.35	EA	1.1579	$351.42

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Total:	**$3,021.31**
Division 22 Plumbing Total:	**$3,021.31**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
66	224243000033	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)	Install	2.00	$518.17	EA	1.1579	$1,199.98
Accepted		***History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	2.00	$30.35	EA	1.1579	$70.28

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Item Note: 1.0 or 1.5 GPF.

Total:	**$1,270.26**
Division 22 Plumbing Total:	**$1,270.26**
26 Electrical	**$7,417.74**

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Job Order: MTSJOC324-62
Job Order Name: IAD Admin 2nd Floor Restrooms Renovation
Location: IAD 100 16th St. San Diego, CA 92101

Contractor: ABC General Inc.
Contract Number: PWG324.0-21
Contract Name: JOC Building and Facilities Construction Services. - Option 3

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
67	265119000041	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	Install	15.00	$398.24	EA	1.1579	$6,916.83
Accepted		***History: 1.5 Added,2.0 Accepted***	**Demo:**	15.00	$28.84	EA	1.1579	$500.91
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						

User Note: New Ceiling lights

OP Mens - 3
OP Womens - 3
EX Mens - 5
EX Womens - 4

Total:	**$7,417.74**
Division 26 Electrical Total:	**$7,417.74**
Proposal Total:	**$375,626.65**
Div **The Percentage of Non Pre-Priced on this Proposal:**	**0.0%**

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EXHIBIT C

Subcontractors

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San Diego Metropolitan Transit System
1255 Imperial Ave
San Diego, CA 92101

Subcontractor Report

Date: 3/26/2025

Job Order Contracting

Contract #: PWG324.0-21

Job Order #: MTSJOC324-62

Job Order Title: IAD Admin 2nd Floor Restrooms Renovation

Job Order Value: $375,626.65

Location: IAD

Contractor: ABC General Inc.

Subcontractors: A&S Flooring Inc.
Harborside Construction Inc
JANUS CORPORATION
PERFORMANCE PLUMBING & MECHANICAL
STUMBAUGH & ASSOCIATE
the doctor of electricity

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Subcontractor Name	License Number	Describe Nature of Work (Trade)	Certifications	Subcontractor Total	Participation %
A&S Flooring Inc. 2461 Fenton St, Chula Vista, CA 91914	801134	Tile	No Certification	$48,885.00	13.01%
Harborside Construction Inc 2010 Garrison Way, El Cajon, CA 92019	730817	Carpenter	No Certification	$40,000.00	10.65%
JANUS CORPORATION 1081 SHARY CIRCLE, CONCORD, CA 94518	1507594, 572682	Abatement	No Certification	$59,440.00	15.82%
PERFORMANCE PLUMBING & MECHANICAL 3740 OCEANIC WAY #307, OCEANSIDE, CA 92056	866856	Plumber	No Certification	$50,630.00	13.48%
STUMBAUGH & ASSOCIATE 3303 N. SAN FERNANDO BLVD., BURBANK, CA 91504	288724	Furnishing	No Certification	$38,064.00	10.13%
the doctor of electricity 41815 Hawthorne Street, Murrieta, CA 92562	517763	Electrician	No Certification	$20,850.00	5.55%

Summary

Certification Name	Value	% Subcontracted
No Certification	$257,869.00	68.65%
Total	**$257,869.00**	**68.65%**

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 8

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Variable Message Signs (VMS) Installations for Blue and Green Lines – Contract Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute contract MTS Doc. No. PWL427.0-25 (in substantially the same format as Attachment A), with M J Builder, in the amount of $528,850.00 for the VMS replacements on the Blue and Green Lines.

Budget impact

The total cost of this contract is estimated to be $528,850.00 (Attachment C). The project will be funded by the Capital Improvement Program (CIP) account 2007118701 – Blue and Green Line VMS Replacement.

DISCUSSION:

VMS at MTS trolley stations display train arrival times and service updates. Installation methods vary by site due to platform layout, shelter configuration, and space constraints. Some signs are mounted on station shelters, while others are on standalone poles. VMS have been installed as part of station construction or rehabilitation projects. With the opening of the Mid-Coast Blue Line extension, full-color VMS were added to new stations, prompting MTS to seek funding to upgrade signage across the Orange, Green, and Blue Lines for a consistent passenger experience.

In July 2022, MTS was awarded State funding from the Transit and Intercity Rail Capital Program (TIRCP) to replace the VMS at 19 Orange Line stations. To maintain consistent technology across MTS's light rail system, MTS sought additional funding to replace the VMS at Blue and Green Line stations as well. In March 2023, MTS applied for Federal Community Project Funding through Congressional Offices. Approval was granted in March 2024 to replace VMS at 12 Blue Line and 8 Green Line stations. Funding for the remaining Green Line stations was later secured through the FY25 CIP. On July 27, 2023 (Agenda Item (AI) 8), the MTS Board approved a work order with Psomas to develop design drawings for sign replacement. Separately, on October 19, 2023 (AI 5), the MTS Board approved new VMS units from Global Display Solutions, Inc. (GDS) to replace existing Daktronics signage at 52 stations along the Orange, Blue, and Green Lines.



Today's proposed contract award to MJ Builder includes removing the existing 140 signs located at 40 Blue and Green Line Trolley stations and replacing them with the new full-color GDS signs. Many of these units are beyond their useful life and are ready for replacement. The removal process involves disconnecting and dismantling the old signs, testing electrical and data connections for the new signs, and installing an MTS-provided media converter inside each new sign. This requires careful handling to ensure the media converter is securely and correctly integrated within the signage housing. After installing the media converters, the new signs must be securely mounted. The installation process includes assuring the stability and alignment of the signs and conducting testing to ensure each display is operational and integrated with the existing communication systems.

On December 24, 2024, MTS issued an Invitation for Bids (IFB) seeking a contractor for the VMS Installations on the Blue and Green Lines (refer to Scope of Work on Attachment B). Four (4) bids were received on February 28, 2025, from the following firms:

Bidder	Firm Certification	Grand Total
M J Builder	**Disadvantaged Business Enterprise (DBE), (Small Business) SB**	**$528,850.00**
Global Installation & Maintenance	DBE, SB, Minority Business Enterprise (MBE)	$602,950.00
Balfour Beatty Infrastructure, Inc.	N/A	$1,101,500.00
Metro Builders & Engineers Group, Ltd.	N/A	$1,555,794.00
MTS – Independent Cost Estimate (ICE)		$655,334.40

No subcontractors will be involved in this work.

Based on the bids received, and in comparison, with the MTS' ICE at $655,334.40, staff has determined MJ Builder's bid to be fair and reasonable. This award is not subject to the Project Labor Agreement approved under Board Policy No. 66 because the MTS ICE was under $1 million.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Contract No. PWL427.0-25 (in substantially the same format as Attachment A), with M J Builder, in the amount of $528,850.00 for the VMS replacements on the Blue and Green Lines.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olsen, 619.557.4588, mark.olsen@sdmts.com

Attachments: A. Draft Agreement MTS Doc. No. PWL427.0-25
B. Scope of Work/Technical Specifications
C. Bid Form

Metropolitan Transit System

STANDARD CONSTRUCTION AGREEMENT

FOR

MTS DOC. NO. PWL427.0-25

VARIABLE MESSAGE SIGNS (VMS) INSTALLATIONS FOR BLUE AND GREEN LINES

THIS AGREEMENT is entered into this _____ day of _____, 2025 in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: M J Builder

Address: 4079 Governor Dr. # 192

San Diego (City) CA (State) 92122 (Zip)

Form of Business: Proprietor
(Corporation, Partnership, Sole Proprietor, etc.)

Email: jaym@htwireless.net

Telephone: 858-414-9620

Authorized person to sign contracts M J Mahboodi (Name) Manager/Owner (Title)

The specified Contract Documents are part of this Agreement. The Contractor agrees to furnish to MTS services and materials, as follows:

Contractor shall furnish all necessary management, supervision, labor, materials, tools, supplies, equipment, plant, services, engineering, testing and/or any other act or thing required to diligently and fully perform and complete the Project as specified in accordance with the Standard Agreement and General Conditions (Exhibit A), Scope of Work, Special Conditions and Attachments (Exhibit B), Bid Price Form (Exhibit C), and Forms (Exhibit D).

SCOPE OF WORK.

Contractor, for and in consideration of the payment to be made to Contractor as hereinafter provided, shall furnish all plant, labor, technical and professional services, supervision, materials and equipment, other than such materials and equipment as may be specified to be furnished by MTS, and perform all operations necessary to complete the Work in strict conformance with the Contract Documents (defined below) for the following public work of improvement:

VARIABLE MESSAGE SIGNS (VMS) INSTALLATIONS FOR BLUE AND GREEN LINES

Contractor is an independent contractor and not an agent of MTS. The Contractor and its surety shall be liable to MTS for any damages arising as a result of the Contractor's failure to comply with this obligation.

San Diego Metropolitan Transit System (MTS) is a California public agency comprised of San Diego Transit Corp., San Diego Trolley, Inc. and San Diego and Arizona Eastern Railway Company (nonprofit public benefit corporations). MTS member agencies include the cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and the County of San Diego. MTS is also the For-Hire Vehicle administrator for multiple cities in San Diego County.

CONTRACT TIME.

Time is of the essence in the performance of the Work. The Work shall be commenced by the date stated in MTS's Notice to Proceed. The Contractor shall complete all Work required by the Contract Documents within **275 calendar days** from the commencement date stated in the Notice to Proceed. By its signature hereunder, Contractor agrees the Contract Time is adequate and reasonable to complete the Work.

CONTRACT PRICE.

MTS shall pay the Contractor as full compensation for the performance of the Contract, subject to any additions or deductions as provided in the Contract Documents, and including all applicable taxes and costs, the sum of five hundred twenty-eight thousand, eight hundred fifty and zero cents ($528,850.00). Payment shall be made as set forth in the General Conditions.

PROVISIONS REQUIRED BY LAW.

Each and every provision of law required to be included in these Contract Documents shall be deemed to be included in these Contract Documents. The Contractor shall comply with all requirements of the California Labor Code applicable to this Project.

INDEMNIFICATION.

Contractor shall provide indemnification as set forth in the General Conditions.

PREVAILING WAGES.

Contractor shall be required to pay the prevailing rate of wages in accordance with the Labor Code which such rates shall be made available at MTS's Administrative Office or may be obtained online at http://www.dir.ca.gov and which must be posted at the job site.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	M J BUILDER
By: _____ Sharon Cooney, Chief Executive Officer Approved as to form: By: _____ Karen Landers, General Counsel	By _____ Title: _____

GREEN LINE VMS DISPLAY UPGRADES

TECHNICAL SPECIAL PROVISIONS
100% Submittal

October 7, 2024

San Diego Metropolitan Transit System

Included Sections:

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

SECTION 01 30 00
TRAFFIC HANDLING, PUBLIC SAFETY, AND CONVENIENCE

SECTION 01 32 16
CONSTRUCTION PROGRESS SCHEDULE

SECTION 01 70 00
EXECUTION AND CLOSEOUT REQUIREMENTS

SECTION 02 41 00
DEMOLITION

SECTION 05 12 00
STRUCTURAL STEEL FRAMING

SECTION 27 02 00
COMMUNICATIONS SYSTEM OVERVIEW

SECTION 27 45 00
COMMUNICATIONS VARIABLE MESSAGE SIGN SYSTEM

SECTION 27 60 00
COMMUNICATIONS WIRE, CABLE, AND RACEWAY

SECTION 27 85 00
COMMUNICATIONS SYSTEM DOCUMENTS

SECTION 27 96 00
COMMUNICATIONS SYSTEM TESTING

SAN DIEGO MTS
VMS REPLACEMENT PROJECT: GREEN LINE
PROJECT: 5MTS010105
DATE 10/03/2024

ITEM LIST

Item No.	ITEMS	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	MOBILIZATION (10%)	LS	1	$26,314.76	$26,315
2	CONSTRUCTION PROGRESS SCHEDULE	LS	1	$15,000.00	$15,000
3	ELECTRICAL AND NETWORKING	LS	1	$140,102.00	$140,102
4	REMOVAL AND DISPOSAL OF EXISTING VMS UNITS	LS	1	$26,358.75	$26,359
5	STRUCTURAL STEEL	LS	1	$5,006.87	$5,007
6	INSTALL NEW VMS UNITS (42" DISPLAYS)	LS	1	$76,680.00	$76,680
7					
8					
9					
10					
11					
12					
				SUBTOTAL	**$289,462**
				CONTINGENCY (20%)	$57,892
				CONTRACT TOTAL	**$347,355**
				ROUNDED CONSTRUCTION TOTAL	**$348,000**

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. General administrative requirements.

B. Preconstruction meeting.

C. Site mobilization meeting.

D. Progress meetings.

E. Construction progress schedule.

F. Progress photographs.

G. Coordination drawings.

H. Submittals for review, information, and project closeout.

I. Number of copies of submittals.

J. Requests for Interpretation (RFI) procedures.

K. Submittal procedures.

1.02 RELATED REQUIREMENTS

A. Section 01 32 16 - Construction Progress Schedule: Form, content, and administration of schedules.

1.03 GENERAL ADMINISTRATIVE REQUIREMENTS

A. Comply with requirements of Section 01 70 00 - Execution and Closeout Requirements for coordination of execution of administrative tasks with timing of construction activities.

B. Make the following types of submittals to Architect:
   1. Requests for Interpretation (RFI).
   2. Requests for substitution.
   3. Shop drawings, product data, and samples.
   4. Test and inspection reports.
   5. Design data.
   6. Manufacturer's instructions and field reports.
   7. Applications for payment and change order requests.
   8. Progress schedules.
   9. Coordination drawings.
   10. Correction Punch List and Final Correction Punch List for Substantial Completion.
   11. Closeout submittals.

1.04 PROJECT COORDINATOR

A. Project Coordinator: Construction Manager.

B. Cooperate with the Project Coordinator in allocation of mobilization areas of site; for field offices and sheds, for access, traffic, and parking facilities.

C. During construction, coordinate use of site and facilities through the Project Coordinator.

D. Comply with Project Coordinator's procedures for intra-project communications; submittals, reports and records, schedules, coordination drawings, and recommendations; and resolution of ambiguities and conflicts.

E. Comply with instructions of the Project Coordinator for use of temporary utilities and construction facilities. Responsibility for providing temporary utilities and construction facilities is identified in Section 01 10 00 - Summary.

F. Coordinate field engineering and layout work under instructions of the Project Coordinator.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 PRECONSTRUCTION MEETING

A. Project Coordinator will schedule a meeting after Notice of Award.

B. Attendance Required:
   1. Owner.
   2. Architect.
   3. Contractor.

C. Agenda:
   1. Execution of Owner-Contractor Agreement.
   2. Submission of executed bonds and insurance certificates.
   3. Distribution of Contract Documents.
   4. Submission of list of subcontractors, list of products, schedule of values, and progress schedule.
   5. Designation of personnel representing the parties to Contract, _____ and Architect.
   6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
   7. Scheduling.

D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.02 PROGRESS MEETINGS

A. Project Coordinator will make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.

B. Attendance Required:
   1. Contractor.
   2. Owner.
   3. Architect.
   4. Contractor's superintendent.
   5. Major subcontractors.

C. Agenda:
   1. Review minutes of previous meetings.
   2. Review of work progress.
   3. Field observations, problems, and decisions.
   4. Identification of problems that impede, or will impede, planned progress.
   5. Review of submittals schedule and status of submittals.
   6. Maintenance of progress schedule.
   7. Corrective measures to regain projected schedules.
   8. Planned progress during succeeding work period.
   9. Maintenance of quality and work standards.
   10. Effect of proposed changes on progress schedule and coordination.
   11. Other business relating to work.

D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.03 CONSTRUCTION PROGRESS SCHEDULE

A. If preliminary schedule requires revision after review, submit revised schedule within 10 days.

B. Within 20 days after review of preliminary schedule, submit draft of proposed complete schedule for review.

1. Include written certification that major contractors have reviewed and accepted proposed schedule.

C. Within 10 days after joint review, submit complete schedule.

D. Submit updated schedule with each Application for Payment.

3.04 SUBMITTALS FOR REVIEW

A. When the following are specified in individual sections, submit them for review:
1. Product data.
2. Shop drawings.
3. Samples for selection.
4. Samples for verification.

B. Submit to Architect for review for the limited purpose of checking for compliance with information given and the design concept expressed in Contract Documents.

C. Samples will be reviewed for aesthetic, color, or finish selection.

D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 01 78 00 - Closeout Submittals.

3.05 SUBMITTALS FOR INFORMATION

A. When the following are specified in individual sections, submit them for information:
1. Design data.
2. Certificates.
3. Test reports.
4. Inspection reports.
5. Manufacturer's instructions.
6. Manufacturer's field reports.
7. Other types indicated.

B. Submit for Architect's knowledge as contract administrator or for Owner.

3.06 SUBMITTALS FOR PROJECT CLOSEOUT

A. Submit Correction Punch List for Substantial Completion.

B. Submit Final Correction Punch List for Substantial Completion.

C. When the following are specified in individual sections, submit them at project closeout in compliance with requirements of Section 01 78 00 - Closeout Submittals:
1. Project record documents.
2. Operation and maintenance data.
3. Warranties.
4. Bonds.
5. Other types as indicated.

D. Submit for Owner's benefit during and after project completion.

3.07 NUMBER OF COPIES OF SUBMITTALS

A. Electronic Documents: Submit one electronic copy in PDF format; an electronically-marked up file will be returned. Create PDFs at native size and right-side up; illegible files will be rejected.

B. Samples: Submit the number specified in individual specification sections; one of which will be retained by Architect.
1. After review, produce duplicates.
2. Retained samples will not be returned to Contractor unless specifically so stated.

3.08 SUBMITTAL PROCEDURES

A. General Requirements:

1. Use a separate transmittal for each item.
2. Identify: Project; Contractor; subcontractor or supplier; pertinent drawing and detail number; and specification section number and article/paragraph, as appropriate on each copy.
3. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and Contract Documents.

END OF SECTION

SECTION 01 30 00
TRAFFIC HANDLING, PUBLIC SAFETY, AND CONVENIENCE

PART 1 GENERAL

A. The contractor shall submit to the Engineer for review and approval a plan showing traffic control measures for trains, vehicles, pedestrians, and bicycles affected by the construction work.

B. For emergency purposes, the responsible person in charge of the work must be reachable by phone 24 hours a day during the progress of the work. A 24-hour phone number shall be provided.

1.02 SUBMITTALS

A. Construction Sequencing Plan – detailing the proposed construction staging and proposed platform closures including limits, durations, and dates. All closures shall be clearly indicated in the project schedule.

B. Detour Plan – detailing the rerouting of pedestrian and vehicular traffic during any proposed platform closures and active construction areas. This shall include signage, channelizer/barriers, temporary fence locations, and other approved methods.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

2.01 CONTENT

A. PUBLIC CONVENIENCE

1. All work performed on the platform shall be done in an expeditious manner and cause as little inconvenience to the traveling public as possible. Vehicles and pedestrians must be allowed to pass at all times except during an Engineer approved closure.

B. PEDESTRIAN ACCESS

1. The Contractor shall not block the movement of pedestrian traffic unless as part of an Engineer approved closure. The Contractor shall provide for pedestrian traffic by phasing construction operations or by providing alternative pedestrian access through or adjacent to construction areas. The contractor must submit for review and approval a traffic handling plan which includes details for the provision of pedestrian access.
2. Proper advance notice signage with reasonable detours shall be installed and maintained through all phases of construction. At no time shall pedestrians be diverted into a portion of the street used for vehicular traffic or on to private property unless adequate lane closure signage is in place. Minimum allowable pedestrian access shall consist of four-foot (4') wide bridges across trenches and four-foot (4') wide passageways through construction areas. Hand railings for pedestrians shall be provided when required by Cal/OSHA Regulations or the Americans with Disabilities Act (ADA) on each side of each bridge or passageway to protect pedestrians from hazards caused by construction operations or adjacent vehicular traffic. Railings or barricades, which border passageways located in roadway areas, shall be reflectorized on the side facing oncoming traffic.

C. ERECTION OF SIGNS TO EXPEDITE PASSAGE OF VEHICLES & PEDESTRIANS

1. The Contractor shall erect such warning and directional signs as necessary or as directed by the Engineer for expediting the passage of public traffic through or around the Work and the approaches.

D. TRAFFIC OBSTRUCTIONS, DELAYS, AND INCONVENIENCES

1. All public traffic shall be permitted to pass through the Work zone unless during an Engineer approved closure, and the Contractor shall conduct operations that offer the least possible obstruction, delay, and inconvenience to the public.

E. HAZARDOUS CONDITIONS CREATED

1. Whenever the Contractor's operations create a condition hazardous to pedestrians or the traveling public, the Contractor shall, at the Contractor's own expense, furnish, erect and maintain any fences, covers, temporary railing (Type K), barricades, lights, signs and other devices necessary or as directed by the Agency to prevent accidents or damage or injury to the public or property.
2. Temporary facilities the Contractor uses to perform work, or store/stage materials or equipment within, shall not be installed or placed where they will interfere with the free and safe passage of public vehicular or pedestrian traffic.

F. WORKING HOURS

1. Working hours shall be between the hours of 7:00 AM and 6:00 PM Monday through Friday, unless otherwise approved by the Engineer. No street or lane shall be closed prior to 8:00 A.M. and all streets and lanes shall be open to traffic by 4:00 P.M. platform areas not actively being repaired by the Contractor shall be accessible and operational at all times to passengers and pedestrians.
2. Weekend work may be approved by the Engineer.

3. The Contractor shall submit for approval, a written request to perform weekend work a minimum of two (2) weeks prior to the weekend dates.

G. SAFETY

1. The Contractor shall furnish and install temporary stripes, and maintain temporary construction warning signs, lighting, flaggers, barricades, striping and other devices necessary to safeguard the general public and the work, and to provide for the safe and proper routing of all vehicular and of pedestrian traffic within and through the limits of the projects during the construction. The requirement shall apply continuously and shall not be limited to normal working hours.

H. EXPEDITIOUS WORK

1. All work performed on the platform shall be done in an expeditious manner to cause as little inconvenience to the traveling public as possible.

I. PUBLIC NOTIFICATION

1. The Contractor shall notify users of the station to the work three (3) calendar days in advance of the work (except that for Monday work, residents shall be notified on the prior Thursday). Any changes in the Contractor's schedule shall require that re-notification take place at the Contractor’s expense. The Contractor shall not be allowed to begin work until the users within the station work area have been notified.
2. Notification shall be done by temporarily posting signage, or as directed by the Engineer, near the general public entry/exit points of the platforms. Signage shall be maintained during construction, clear and legible and weather resistant so that the message is not obscured or washes away from moisture.
3. Full compensation for this item shall be included in the prices paid for various contract items of work and no additional compensation will be allowed.

END OF SECTION

SECTION 01 32 16
CONSTRUCTION PROGRESS SCHEDULE

PART 1 GENERAL

1.01 SUBMITTALS

A. Within 10 days after date of Agreement, submit preliminary schedule.

B. If preliminary schedule requires revision after review, submit revised schedule within 10 days.

C. Within 20 days after review of preliminary schedule, submit draft of proposed complete schedule for review.

D. Within 10 days after joint review, submit complete schedule.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 CONTENT

A. The Contractor shall furnish the schedules on a form of their choice but should be in the latest version of Microsoft Project, Primavera, or equivalent and identify critical path items.

B. Show complete sequence of construction by activity, with dates for beginning and completion of each element of construction.

C. Show accumulated percentage of completion of each item, and total percentage of Work completed, as of the first day of each month.

D. Provide legend for symbols and abbreviations used.

END OF SECTION

SECTION 01 70 00
EXECUTION AND CLOSEOUT REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Examination, preparation, and general installation procedures.

B. Cleaning and protection.

C. Closeout procedures, including Contractor's Correction Punch List, except payment procedures.

1.02 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

1.03 COORDINATION

A. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.

B. Notify affected utility companies and comply with their requirements.

C. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.

D. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on drawings. Follow routing indicated for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.

E. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.

F. Coordinate completion and clean-up of work of separate sections.

G. After Owner occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means acceptance of existing conditions.

B. Verify that existing substrate is capable of structural support or attachment of new work being applied or attached.

C. Examine and verify specific conditions described in individual specification sections.

D. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.

E. Verify that utility services are available, of the correct characteristics, and in the correct locations.

F. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting performance of work. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

A. Clean substrate surfaces prior to applying next material or substance.

B. Seal cracks or openings of substrate prior to applying next material or substance.

C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

3.03 GENERAL INSTALLATION REQUIREMENTS

A. Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.

B. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.

C. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.

D. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.

E. Make neat transitions between different surfaces, maintaining texture and appearance.

3.04 PROGRESS CLEANING

A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.

B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.

C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

D. Collect and remove waste materials, debris, and trash/rubbish from site periodically and dispose off-site; do not burn or bury.

3.05 PROTECTION OF INSTALLED WORK

A. Protect installed work from damage by construction operations.

B. Provide special protection where specified in individual specification sections.

C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.

D. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.

E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.

F. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.

G. Remove protective coverings when no longer needed; reuse or recycle coverings if possible.

3.06 ADJUSTING

A. Adjust operating products and equipment to ensure smooth and unhindered operation.

3.07 CLOSEOUT PROCEDURES

A. Make submittals that are required by governing or other authorities.

B. Accompany Project Coordinator on preliminary inspection to determine items to be listed for completion or correction in the Contractor's Correction Punch List for Contractor's Notice of Substantial Completion.

C. Notify Architect when work is considered ready for Architect's Substantial Completion inspection.

D. Submit written certification containing Contractor's Correction Punch List, that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for Architect's Substantial Completion inspection.

E. Conduct Substantial Completion inspection and create Final Correction Punch List containing Architect's and Contractor's comprehensive list of items identified to be completed or corrected and submit to Architect.

F. Correct items of work listed in Final Correction Punch List and comply with requirements for access to Owner-occupied areas.

G. Notify Architect when work is considered finally complete and ready for Architect's Substantial Completion final inspection.

H. Complete items of work determined by Architect listed in executed Certificate of Substantial Completion.

END OF SECTION

SECTION 02 41 00
DEMOLITION

PART 3 EXECUTION

1.01 GENERAL PROCEDURES AND PROJECT CONDITIONS

A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
   1. Obtain required permits.
   2. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
   3. Provide, erect, and maintain temporary barriers and security devices.
   4. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
   5. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.
   6. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from removal operations.
   7. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon, or limit access to their property.

B. Do not begin removal until receipt of notification to proceed from Owner.

C. Protect existing structures and other elements to remain in place and not removed.
   1. Provide bracing and shoring.
   2. Prevent movement or settlement of adjacent structures.
   3. Stop work immediately if adjacent structures appear to be in danger.

1.02 DEBRIS AND WASTE REMOVAL

A. Remove debris, junk, and trash from site.

B. Leave site in clean condition, ready for subsequent work.

C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

SECTION 05 12 00
STRUCTURAL STEEL FRAMING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Structural steel framing members.

B. Structural steel support members and struts.

1.02 REFERENCE STANDARDS

A. AISC (MAN) - Steel Construction Manual 2023.

B. AISC 325 - Steel Construction Manual 2017.

C. ASTM A36/A36M - Standard Specification for Carbon Structural Steel 2019.

D. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength 2021.

E. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes 2021a.

F. ASTM A563/A563M - Standard Specification for Carbon and Alloy Steel Nuts (Inch and Metric) 2021a.

G. ASTM A992/A992M - Standard Specification for Structural Steel Shapes 2022.

H. ASTM F436/F436M - Standard Specification for Hardened Steel Washers Inch and Metric Dimensions 2019.

I. ASTM F593 - Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs 2017.

J. ASTM F1554 - Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength

K. AWS B2.1/B2.1M - Specification for Welding Procedure and Performance Qualification 2021.

L. AWS D1.1/D1.1M - Structural Welding Code - Steel 2020, with Errata (2023).

M. SSPC-Paint 15 - Steel Joist Shop Primer/Metal Building Primer 2004.

N. SSPC-Paint 20 - Zinc-Rich Coating (Type I - Inorganic, and Type II - Organic) 2019.

O. SSPC-SP 1 - Solvent Cleaning 2015, with Editorial Revision (2016).

P. SSPC-SP 2 - Hand Tool Cleaning 2018.

Q. SSPC-SP 3 - Power Tool Cleaning 2018.

R. SSPC-SP 7 - Brush-Off Blast Cleaning 2007.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Shop Drawings:
   1. Indicate profiles, sizes, spacing, locations of structural members, openings, attachments, and fasteners.
   2. Indicate welded connections with AWS A2.4 welding symbols. Indicate net weld lengths.

C. Manufacturer's Mill Certificate: Certify that products meet or exceed specified requirements.

D. Mill Test Reports: Indicate structural strength, destructive test analysis and non-destructive test analysis.

E. Fabricator Test Reports: Comply with ASTM A1011/A1011M.

F. Welders' Qualification Statement: Welders' certificates in accordance with AWS B2.1/B2.1M and dated no more than 12 months before start of scheduled welding work.

1.04 QUALITY ASSURANCE

A. Fabricate structural steel members in accordance with AISC (MAN) "Steel Construction Manual."

PART 2 PRODUCTS

2.01 MATERIALS

A. Steel Angles and Plates: ASTM A36/A36M.

B. Steel W Shapes and Tees: ASTM A992/A992M.

C. Rolled Steel Structural Shapes: ASTM A992/A992M.

D. Cold-Formed Structural Tubing: ASTM A500/A500M, Grade B.

E. Structural Bolts and Nuts: Stainless Steel, ASTM F593.

F. Anchor Bolts: ASTM F1554, Grade 55.

G. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.

H. Shop and Touch-Up Primer: Fabricator's standard, complying with VOC limitations of authorities having jurisdiction.

2.02 FABRICATION

A. Shop fabricate to greatest extent possible.

B. Fabricate connections for bolt, nut, and washer connectors.

2.03 FINISH

A. Prepare structural component surfaces in accordance with SSPC-SP 3.

B. Shop prime structural steel members. Do not prime surfaces that will be fireproofed, field welded, in contact with concrete, or high strength bolted.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that conditions are appropriate for erection of structural steel and that the work may properly proceed.

3.02 ERECTION

A. Erect structural steel in compliance with AISC 303.

B. After erection, prime welds, abrasions, and surfaces not shop primed, except surfaces to be in contact with concrete.

END OF SECTION

SECTION 27 02 00

COMMUNICATIONS SYSTEM OVERVIEW

PART 1 - GENERAL

1.1 SUMMARY

This Section gives a general overview of the technical requirements for the installation and testing of the network and power connections to the GDS signs for the San Diego MTS VMS Upgrade Project.

A. The use of proven equipment is required, and to this end, waivers may be requested by the Contractor for equipment which the Contractor believes to be proven in equivalent climatic and operating environments.

B. The VMS System and Equipment specified herein shall be safe, reliable, maintainable, and meet the availability requirements of the Contract. To this end, service proven hardware shall be provided.

C. The Contractor shall ensure that each subcontractor has a complete copy of this Section of the Contract Documents.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 REFERENCES AND STANDARDS

The GDS signs shall be installed and tested to the latest revision and applicable Sections at the time of Award of Contract of the following codes and standards.

A. National Building Industry Consulting Service International (BICSI) Telecommunications Distribution Methods Manual

B. American Railway Engineering and Maintenance-of-Way Association (AREMA) Manual of Recommended Practices – Communications

C. Federal Communications Commission (FCC) Rules Parts 15 and 90

D. National Fire Protection Association (NFPA) Standard 130

E. National Electric Code (NFPA 70)

F. American with Disabilities Act (ADA)

G. Electric Manufacturer’s Association (NEMA)

H. National Electric Safety Code (NESC)

I. Institute of Electrical and Electronics Engineers (IEEE)

J. International Organization for Standardization (ISO)

K. Insulated Cable Engineer's Association (ICEA)

L. American Society for Testing and Materials (ASTM)

M. American National Standards Institute (ANSI)

N. Underwriter's Laboratories, Inc. (UL)

O. Electronic Industries Association (EIA)

P. Occupational, Safety, and Health Administration (OSHA)

Q. Internet Engineering Task Force (IETF)

R. Rural Electrification Association (REA)

1.4 QUALITY ASSURANCE

Quality assurance, planning, implementation, and reporting shall be in conformance with MTS requirements, except as modified herein.

1.5 SUBMITTALS

Submittals shall be in conformance with SECTION 27 85 00 COMMUNICATIONS SYSTEM DOCUMENTS, except as modified herein.

PART 2 - PRODUCTS

2.1 TECHNICAL REQUIREMENTS

A. The VMS Display Upgrade Project requires replacing the existing Daktronics VMS displays with new GDS MIDAS-S 42" Stretch Displays, which shall be integrated into the existing MTS Public Address/Visual Message Sign (PA/VMS) system.

B. MTS currently operates three rail lines, the Orange Line, Blue Line and Green Line. These specifications apply to the Green Line.

C. As part of the Project, new VMS displays shall be installed at all existing Green Line stations except for the Arnele, El Cajon, Amaya, and Grossmont Stations shared with the Orange Line and the Old Town, Washington Street, Middletown, County Center/Little Italy, and Santa Fe Depot Stations shared with the Blue Line to provide enhanced passenger information capabilities at the stations as well as replace aging displays. Upgrades to local PA/VMS head end equipment or at the MTS Control Center are not in the scope of this Contract.

D. The VMS Upgrade Work includes interfacing to the existing MTS communications system and the existing PA/VMS central control system.

E. The Contractor shall supply the CAT 6 cables, SMF cables and power circuit cables required to replace the network and power daisy chains at some of the stations, subject to MTS approval. MTS will provide the rest of the equipment and hardware.

F. The Contractor shall supply junction boxes, cable nuts, 90-degree connectors, extra power cables, and conduit required for installation of the parent-child displays. Conduit from the junction box to the signs, including the 90-degree connectors, shall be 0.5" liquid-tight.

G. The Contractor shall provide the following services:

1. Connect the new MTS provided GDS signs to the network and power infrastructure at each Green Line Station. There are 18 Green Line Stations minus the Arnele, El Cajon, Amaya, and Grossmont Stations shared with the Orange Line and the Old Town, Washington Street, Middletown, County Center/Little Italy, and Santa Fe Depot Stations shared with the Blue Line for a total of 63 double sided displays and 12 single sided displays. A list of Green Line Stations and a description of the existing infrastructure at each station is provided in the SDMTS Station VMS Upgrade Site Survey Report.

2. For existing double-sided Daktronics signs, two GDS signs will be installed in a parent-child configuration with an HDMI and USB cable connecting the two signs.

3. Eliminate the network and power daisy chains at the following Green Line Stations by running new contractor provided power or network cables between the power panels or communication cabinets through the existing conduits to the new signs. The contractor shall label the new cables with the name of the connected sign. MTS will provide the extra media converters to eliminate the network daisy chain at Alvarado.

Station Name	Network	Power	WB1	WB2	WB3	WB4	EB1	EB2	EB3	EB4	Total + 10% (feet)	Notes
Alvarado	Yes	No					159		283		486.2	Confirmed with MTS and through labeling that VMS-EB1 and VMS-EB2 are network daisy chained
Mission San Diego	No	Yes	519	338			379	558			1973.4	Confirmed with MTS and through circuit breaker labeling on power panel. VMS-EB1 and VMS-EB2 are power daisy chained, and VMS-WB1 and VMS-WB2 are power daisy chained
Rio Vista	No	Yes	256	442			402	234			1467.4	Confirmed with MTS and through circuit breaker labeling on power panel. VMS-EB1 and VMS-WB2 are power daisy chained, and VMS-WB1 and VMS-EB2 are power daisy chained

Station Name	Network	Power	WB1	WB2	WB3	WB4	EB1	EB2	EB3	EB4	Total + 10% (feet)	Notes
Mission Valley Center	No	Yes	279	110			150	307			930.6	Confirmed with MTS and through circuit breaker labeling on power panel. VMS-EB1 and VMS-EB2 are power daisy chained, and VMS-WB1 and VMS-WB2 are power daisy chained
Hazard Center	No	Yes	246	441			288	467			1586.2	Confirmed with MTS and through circuit breaker labeling on power panel. VMS-EB1 and VMS-EB2 are power daisy chained, and VMS-WB1 and VMS-WB2 are power daisy chained

4. The Contractor shall install an MTS provided Omnitron model 4371-1W media converter in all single sided standalone and double sided parent displays. Double sided child displays do not require a media converter. The Contractor shall install the Omnitron media converter on the existing mounting bracket inside the display using four (4) M3x5 screws. The Contractor shall provide the screws.

5. For displays connected with an external fiber cable, the Contractor shall run the fiber cable through the Contractor installed conduit on the rear of the display and terminate it inside the display. The Contractor shall connect the fiber cable, internal ethernet cable and power connector to the Omnitron media converter. The Contractor shall connect the other end of the internal ethernet cable to the Media Player. If not already connected, the Contractor shall connect the other end of the power connector to the 12VDC Power Supply. MTS will provide the internal ethernet cable and Omnitron media converter power connector.

6. For displays connected with an external ethernet cable, the Contractor shall run the external ethernet cable through the Contractor installed conduit on the rear of the display and terminate it inside the display. The Contractor shall connect the external ethernet cable to the Ethernet Protector/Isolator. The Contractor shall connect one end of the internal ethernet cable to the Ethernet Protector/Isolator and the other end to the Media Player. The Contractor shall connect the power connector to the Omnitron media converter. If not already connected, the Contractor shall connect the other end of the power connector to the 12VDC Power Supply. The Omnitron media converter will have power but will not have an external fiber or internal ethernet connection. MTS will provide the internal ethernet cable and Omnitron media converter power connector.

7. Standardize the VMS media converters in the communications cabinets by replacing non-conforming media converters with the MTS provided Omnitron model 4371-1W media converter. Install the media converters in the MTS provided Omnitron model 4395 media converter chassis.

8. Perform the post installation testing described in SECTION 27 96 00 – Communications System Testing for each new GDS sign.

9. Label any existing VMS power or network cables that are not currently labeled or are incorrectly labeled.

10. Provide project management, technical controls, and administrative personnel to ensure the installation is high quality and on schedule.

2.2 GENERAL REQUIREMENTS

A. The Contractor shall:

1. Install, adjust, and test the new GDS VMS displays in conformity with the requirements of this Section. Remove and dispose of the existing Daktronics VMS displays prior to installation of new displays. The new GDS displays have been procured by MTS and will be provided to the Contractor to install, commission, and test.

2. Furnish documentation and Contract Drawings necessary to support operation, maintenance, repair, and reconfiguration of the provided GDS VMS displays.

3. Conduct installation review meetings as approved by the Project Manager.

4. Provide management, technical support, tools, and equipment required to ensure installation and proper operation of the new VMS displays.

2.3 INTERFACE REQUIREMENTS

A. Testing and verification shall occur prior to the start of the Contractor's Work to confirm that existing VMS signs and associated power and network equipment do not impair the Contractor in meeting the requirements of this Section.

B. The Contractor shall not disrupt any existing Green Line systems during installation and testing of the new GDS VMS displays. These systems include the existing VMS system, the public address system, the CCTV system, and ticket vending machines.

C. MTS will use the AppSpace software to interface with the new GDS signs over the network. It is the responsibility of MTS to configure AppSpace to interface with the new signs.

2.4 DECOMMISSIONING OF EXISTING EQUIPMENT AND CABLES

A. General Requirements

1. The Contractor shall develop and submit a Decommissioning Plan consistent with the requirements of these Specifications.

2. The Contractor shall clearly identify equipment to be removed and cables to be cut and/or removed.

3. This Decommissioning Plan shall include the plan and procedure to decommission the existing VMS signs and remove and turnover equipment to be salvaged by MTS.

4. The decommissioning Plan shall require Project Manager approval.

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 27 45 00

COMMUNICATIONS VARIABLE MESSAGE SIGN SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

A. This Section describes the functional and performance requirements for the new GDS displays. The GDS displays shall be used to provide MTS passengers with visual announcements.

B. The new GDS displays shall be connected to the local network at each station for communication with the remote MTS AppSpace software.

C. The Contractor shall replace all existing Daktronics VMS displays. The new GDS displays will be provided by MTS. The Contractor shall install the new displays and make the necessary power and data network connections. The Contractor shall remove, salvage, and return the existing VMS displays to MTS.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 REFERENCES AND STANDARDS

A. ANSI/TIA/EIA 568-A and TIA/EIA 568-A-1 Standards for Telecommunications Cabling Installation Practices for Commercial Buildings

B. National Building Industry Consulting Service International (BICSI), Telecommunications Distribution Methods Manual

C. NFPA 70 - National Electrical Safety Code (NEC) 2005

D. American with Disabilities Act (ADA)

E. ADA Accessibility Guidelines (ADAAG)

F. Institute of Electrical and Electronics Engineers (IEEE)

G. Internet Engineering Task Force (IETF) Uniform Building Code

H. Local Building Code

I. Local Electrical Code

J. American National Standards Institute (ANSI)

K. Underwriter’s Laboratories, Inc. (UL)

1.4 QUALITY ASSURANCE

Quality assurance planning, implementation and reporting shall be in conformance with MTS requirements, except as modified herein.

1.5 SUBMITTALS

Submittals shall be in conformance with SECTION 27 85 00 COMMUNICATIONS SYSTEM DOCUMENTS, except as modified herein.

PART 2 - PRODUCTS

2.1 GENERAL

A. All equipment and materials provided by the Contractor shall be new, in current production, and shall be free of corrosion, scratches or other such defects.

B. To simplify maintenance and spare part requirements, identical signage and media converters shall be used throughout the VMS System.

2.2 FUNCTIONAL REQUIREMENTS

A. All new GDS displays shall maintain the existing interface with the MTS AppSpace software system that MTS will use to display announcements on the signs.

B. Announcements shall be clearly visible on all displays at each rail platform.

C. The GDS displays shall meet the following requirements:

1. If a display fails, it shall not disrupt messages to any other VMS displays. This requirement does not apply to the failure of the parent sign in a parent / child configuration. If the parent sign fails, it is expected that the child sign will also fail.

2. Existing power and data cabling shall be re-used for new GDS displays to the extent possible apart from the network and power daisy chains which will be replaced with new cabling. If cabling is found to be faulty or defective in any way, either though visual inspection or to the point that performance of GDS displays is affected, the Contractor shall replace the full run of cabling. Cabling splices will not be allowed.

PART 3 - EXECUTION

3.1 INSTALLATION

A. The Contractor shall connect the new GDS displays to the power and network infrastructure in accordance with the installation procedures. Contractor shall install two (2) 90-degree connectors onto standalone and parent displays. Contractor shall install one (1) 90-degree connector onto child displays. The 90-degree connectors shall be 0.5” liquid-tight.

B. Power circuits shall have a maximum of one parent-child display configuration or one standalone display.

C. Power shall be provided from a 120 VAC supply from the power panel at the station. Existing power wiring from the power panel shall be used unless running new power wiring to eliminate a power daisy chain.

D. For parent-child display configurations, contractor shall install power junction boxes. Contractor shall connect power cabling from the power panel within the junction box via cable nuts to new power cables for the parent and child displays. Power cabling connecting to the junction box is subject to requirements specified in 27 60 00 Communications Wire, Cable, and Raceway.

E. Network connections shall be either CAT 6 ethernet or Single Mode Fiber. Existing network cabling from the comms cabinet shall be used unless running new network cabling to eliminate a network daisy chain.

F. HDMI and USB cables between parent-child display configurations will be provided by MTS. Contractor shall connect HDMI and USB cables between parent-child displays.

G. The Contractor shall install an MTS provided Omnitron model 4371-1W media converter in all single sided standalone and double sided parent displays. Double sided child displays do not require a media converter. The Contractor shall install the Omnitron media converter on the existing mounting bracket inside the display using four (4) M3x5 screws. The Contractor shall provide the screws.

H. For displays connected with an external fiber cable, the Contractor shall run the fiber cable through the Contractor installed conduit on the rear of the display and terminate it inside the display. The Contractor shall connect the fiber cable, internal ethernet cable and power connector to the Omnitron media converter. The Contractor shall connect the other end of the internal ethernet cable to the Media Player. If not already connected, the Contractor shall connect the other end of the power connector to the 12VDC Power Supply. MTS will provide the internal ethernet cable and Omnitron media converter power connector.

I. For displays connected with an external ethernet cable, the Contractor shall run the external ethernet cable through the Contractor installed conduit on the rear of the display and terminate it inside the display. The Contractor shall connect the external ethernet cable to the Ethernet Protector/Isolator. The Contractor shall connect one end of the internal ethernet cable to the Ethernet Protector/Isolator and the other end to the Media Player. The Contractor shall connect the power connector to the Omnitron media converter. If not already connected, the Contractor shall connect the other end of the power connector to the 12VDC Power Supply. The Omnitron media converter will have power but will not have an external fiber or internal ethernet connection. MTS will provide the internal ethernet cable and Omnitron media converter power connector.

J. All new MTS provided media converters installed in the station communication cabinet shall be mounted in an MTS provided media converter chassis. Equipment placed on rack mounted shelves is not permissible.

3.2 TESTING

Testing shall be in conformance with SECTION 27 96 00 COMMUNICATIONS SYSTEM TESTING, except as modified herein.

END OF SECTION

SECTION 27 60 00

COMMUNICATIONS WIRE, CABLE, AND RACEWAY

PART 1 - GENERAL

1.1 SUMMARY

This Section describes the requirements for wire, cable and cable management for the VMS Display Upgrade Contract.

A. Existing Cable System

1. MTS has a copper and fiber optic cable system on the Orange, Blue, and Green Lines of the existing rail transit system, which is used for transport of data, video, and audio traffic among stations and the Control Center. This system, called the “Existing Cable System” in this Section, is not a part of the Project. To the maximum extent possible the Contractor shall integrate with this cable system to tie new VMS displays installed at MTS platforms with the existing MTS rail systems network as shown in the Contract Drawings and described in this Section. Services provided using this System include high speed IP networking. The Contractor should assume that no outages will be allowed on this network.

B. Communications Wire and Cable System

1. The Contractor shall provide power and data connections using existing cabling at stations, and in some cases where cabling is defective or insufficient, to integrate with the existing Cable System. Cabling utilized and/or installed by this Contract shall be integrated into the existing Cable System to create the logical configuration shown in the Contract Drawings. The Contractor shall install any new cable as shown on the Contract Drawings and specified below to meet the requirements.

2. The Contractor shall utilize existing data and power cable wherever possible unless otherwise noted. Contractor shall determine that existing cabling is sufficient and performs to standard levels for new VMS displays.

3. The Contractor shall furnish, install, and test new cabling in cases where existing cable is defective or insufficient for the VMS Display Upgrade project, or when eliminating a power or network daisy chain. New cabling shall be furnished for the entire run from the communications cabinet to the VMS display in such cases.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 REFERENCES AND STANDARDS

Products and workmanship in this Section shall conform to the latest revision of the following standards:

A. American Society for Testing and Materials (ASTM) D1248

B. Rural Electrification Association (REA) PE-39

C. National Building Industry Consulting Service International, Telecommunications Distribution Methods Manual (BICSI TDMM)

D. Administration Standard for the Telecommunications Infrastructure of Commercial Buildings (ANSI/TIA/EIA-606)

E. REA PE-90

F. Insulated Cable Engineer's Association (ICEA) S-19-81

G. National Electrical Code (NEC) (NFPA 70)

H. Institute of Electrical and Electronic Engineer's (IEEE) 802.3

I. Underwriters Laboratories (UL) Type CATVR

J. Commercial Building Telecommunications Cable Standard (ANSI/TIA/EIA 568)

K. Telcordia GR-326

L. Telcordia GR-20, Issue 2

M. Telecommunications Industry Association

1. TIA-455-82B FOTP 82-B Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable

2. TIA/EIA-607

3. TIA/EIA-569

N. MIL-HDBK-419A

1.4 QUALITY ASSURANCE

Quality assurance planning, implementation and reporting shall be in conformance with MTS requirements, except as modified herein.

1.5 SUBMITTALS

Submittals shall be in conformance with SECTION 27 85 00 COMMUNICATIONS SYSTEM DOCUMENTS, except as modified herein.

PART 2 - PRODUCTS

2.1 GENERAL

A. Major subsystem cabling requirements shall include, but not limited to, the below:

1. VMS Display Data – CAT6 or single mode fiber optic cable.

2. VMS Display Power source circuits for the above – Minimum 8-AWG; size and provide wiring per most current NEC requirements.

B. Other requirements to make new VMS displays fully functional shall be provided by the Contractor.

2.2 WIRE

A. Wire shall be UL listed for the location and application used.

B. Copper conductors shall be soft or annealed copper complying with ASTM B3.

C. Wiring for power circuits shall be No. 8 AWG or larger stranded conductor as required to meet voltage drop requirements. Size No. 10 AWG and larger shall be ASTM B8, Class B stranded.

D. Data/Ethernet circuits shall be:

1. Single mode fiber optic cable for Ethernet connections that are longer than 300 feet from network switch to VMS network port.

2. Category 6 cable for cable runs of less than 300 feet from network switch to VMS network port.

2.3 CABLES

A. General Material and Workmanship – All cables shall meet the following material and workmanship requirements:

1. Be of the highest quality assuring durability for a 40 year design life.

2. Outdoor cables shall be suitable for both wet and dry installations.

3. Except where specified otherwise, the outer jacket of all outdoor cables shall be made of extruded, black, low-density, high molecular weight polyethylene capable of meeting material Type I, Class C, Category 5, Grade E5 of ASTM D1248.

4. Each length of cable shall be permanently identified as to the manufacturer and year of manufacture at not less than 30-inch intervals.

5. Each length of outdoor cable shall be permanently marked with footage numbers embossed into the outer jacket at a minimum of 24-inch intervals.

6. All cables installed indoors, and not in continuous enclosed raceway to within 25 feet of its termination, shall be plenum rated.

7. Copper cables entering a room, house, or cabinet shall be terminated on terminal blocks or panels with lightning and surge protection.

8. Tensile strength of each cable shall be appropriate to the installation location and run length of the cable. For outdoor cables, cable pulling calculations shall be forwarded to the Project Manager for review and approval.

9. Cables shall be furnished in lengths suited to installation requirements developed by the Contractor.

10. All cables shall be shipped on reels adequately protected from damage in shipment by heavy wrapping or wood lagging.

11. All cables shall be identified whenever they enter and whenever they leave a junction box, manhole, handhole, pull box, housing or enclosure, and at all terminals. Marking shall be by permanent non-conducting marking tags fastened securely to the cable. Tags shall be white vinyl plastic with black lettering, protected with a 0.005-inch clear overlaminate. Minimum thickness shall be 0.020 inches. All corners of the tags shall be rounded to approximately 1/8-inch radius. Lettering shall be a minimum 1/8 inch high with minimum 3/32 inch spacing between lines. Tags shall be connected to the cable with pre-tied nylon cord loops.

12. Cable labeling and administration shall conform to the Project Manager's Approved scheme.

13. For cable pulling, each length of cable shall be wound on a separate reel.

14. The diameter of each reel drum shall be a minimum of 15 times the cable diameter or per the cable manufacturer's recommendation, whichever is greater, to prevent cable damage during reeling.

15. Mid-span splices in fiber optic or copper cables/conductors will not be permitted.

16. Cable ends shall be sealed to prevent moisture incursion and shall be tightly fastened so they will not loosen during transit.

17. For outdoor cables shipping, storage, and operating temperature range shall be -40 degrees Celsius to +70 degrees Celsius. The installation temperature range of outdoor cables shall be -30 degrees Celsius to +70 degrees Celsius.

18. Each cable reel shall be clearly identified on the outside flange with the following information:

    a. Manufacturer's name

    b. Cable length

    c. Number of conductors/pairs/fibers

    d. Conductor gauge

    e. Name, address, and phone number of consignee

2.4 FIBER OPTIC CABLES

A. Connectors shall comply with Telcordia GR-326.

B. Splicing in manholes or handholes is not allowed unless specifically requested in this Section. Where required, enclosures specifically manufactured for installation in manholes shall be used.

C. Exposed indoor, and all outdoor, fiber optic cable shall be installed in orange innerduct specifically manufactured for that purpose. The indoor innerduct shall be plenum rated.

D. Innerduct shall be racked, coupled and labeled through all manholes.

E. Innerduct sealing plugs, specifically manufactured for that purpose, shall be installed. Sealing plugs shall fit around fiber optic cables and prevent the cables from recoiling into the duct.

2.5 OUTDOOR FIBER OPTIC CABLE

A. Outdoor fiber optic-cable shall meet the below additional requirements:

1. The Contractor shall furnish, install, test, and document all outdoor fiber optic cables and related components as required to provide a fully functional outdoor fiber optic cable plant. This cable plant shall include the cables, all splices, and splice cases.

B. Rugged Outdoor fiber optic cable shall meet the below requirements:

1. Meet or exceed the requirements of REA PE-90

2. Have a dielectric central member. The dielectric member shall be overcoated with black colored thermoplastic

3. Cable shall be completely dielectric to provide complete electrical isolation along the length of the cable

4. Cable shall have double black polyethylene jackets separated by water blocking yarns for mechanical protection

5. Be gel-filled have water-blocking tape to prevent moisture incursion

6. Have a tensile strength of 600 pounds, minimum

7. Wherever terminated or spliced be connectorized and supported in a cabinet or splice enclosure

8. Be designed to be moisture resistant, dust resistant and gas tight

9. Be installed in loose buffer tube filled with a non-hygroscopic, non-nutritive to fungus, electrically non-conductive, homogenous gel. The gel shall be free from dirt and foreign matter. The gel shall be readily removable with conventional nontoxic solvents

10. Fibers shall be colored with ultraviolet curable inks adhering to color coding of TIA/EIA-598-A

11. Buffer tube color coding shall adhere to TIA/EIA-598-A

12. Be identical in design and construction, except for color coding

13. Be optimized for wavelength and attenuation per equipment requirements

2.6 OUTDOOR TWISTED-PAIR COPPER CABLE

A. Outdoor twisted-pair copper cable conductors shall be soft or annealed copper per ASTM B8 Class C. The conductors shall be stranded in accordance with ASTM B8 Class B except as modified herein. Direct current resistance of the conductors shall conform to ICEA Standards Publication S-19-81, Paragraph 2.5.2. Cables installed in duct banks or direct buried conduits shall meet the requirements of REA PE-39. The cable core shall be filled with a waterproofing agent and wrapped with a non-hygroscopic core tape. A flooding compound shall be applied over the core and to all surfaces of the shield to resist moisture entry and to inhibit corrosion. Conductor gauge shall be as required for the application

B. All twisted-pair copper cables entering a house, case, enclosure, cabinet or room from outside shall be terminated on a protection block.

C. Circuits shall be terminated on Category 6 termination panels. Each circuit shall be clearly identified at both ends of the circuit.

2.7 CABLE MANAGEMENT

A. Cable management shall be applied to organize cable to minimize tangles and provide a more attractive appearance. The hardware shall be specifically manufactured for that use. Cable management shall provide:

1. Separation of patch cables and building cables
2. Visibility for ports and designation strips
3. Permanent circuit identification for all cables supported and/or terminated
4. Vertical and horizontal routing for patch and distribution cables between racks and equipment mounted to backboard
5. Racks and ties for all manholes to rack cables
6. Segregation of different classes of cables into AC power, DC power, RF, ground and data

B. The power cabling shall be installed in flexible conduits and/or metallic ducts or conduits. Power cabling conduit from the junction box to the parent and child signs shall be 0.5” liquid-tight. Cable management hardware for power cable shall be designed for the class of power and should prevent electromagnetic interference from emanating.

C. Interior cable, wires and patch cords shall be clearly labeled on both ends less than 3 inches from the termination. Cable routing shall be arranged neatly and securely.

D. Inspect all equipment for:

1. Conformance to workmanship standards and practices
2. Conformance to Contract Documents
3. Proper placement, mounting, orientation and mechanical connections
4. Correct and secure wiring and cabling terminations and connections
5. Proper grounding
6. Correct and compete labeling and tagging

E. Conduit system shall be installed according to manufacturer’s instructions.

PART 3 - EXECUTION

3.1 INSTALLATION

A. The cables and related equipment and accessories required by this Section shall be located in communication equipment houses, along the MTS right-of-way, other locations as shown in these Contract Documents, and at locations as required to meet the functional requirements.

B. Fiber optic cable splices shall be placed only in communication equipment houses or equivalent, or in specifically designed enclosures.

C. Cables installed in manholes, handholes, or enclosures shall be securely racked so as not to interfere with the future use of or access to unused conduit. The cable shall be identified as specified in this Section at each manhole, handhole or enclosure.

D. For outdoor fiber-optic cable 50 feet of slack cable shall be installed in the manhole immediately prior to a termination.

E. Firestopping shall be applied wherever cabling penetrates interior fire-rated walls.

F. The time allowed for installation of cable on the existing Corridors shall be restricted in accordance with SECTION 27 02 00 COMMUNICATIONS SYSTEM OVERVIEW. In general these requirements limit work to off-peak and non-revenue hours.

3.2 TESTING

Testing shall be in conformance with SECTION 27 96 00 COMMUNICATIONS SYSTEM TESTING, except as modified herein.

END OF SECTION

SECTION 27 85 00

COMMUNICATIONS SYSTEM DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

This Section describes the requirements for Contractor documents, drawings, and content of submittals for the VMS Display Upgrade Contract.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable, and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 REFERENCES AND STANDARDS

A. ANSI Y1.1 – Abbreviations for Use on Drawings

B. ANSI V32.2 – Graphics Symbols for Electrical and Electronic Diagrams

C. ANSI V32.14 – Graphic Symbols for Logic Diagrams

D. MTS Contract Drawing General Drafting and Design Standards for AutoCAD (MTS Drafting Standards)

1.4 QUALITY ASSURANCE

Quality assurance planning, implementation and reporting shall be in conformance with MTS requirements, except as modified herein.

1.5 SUBMITTALS

A. Contract Document Deliverables

1. A Contract Document Deliverable (CDRL) shall be forwarded to the Project Manager.

2. The CDRL shall list all the documents and drawings required to be submitted by the Contractor.

3. The CDRL is to be updated to reflect the latest submittal and included with each submittal of the Contractor. Included in the update should be the revision number of each submittal, status (Approved, Not Approved, etc., and dates of each submittal).

B. Products that the Contactor is proposing to use that is a duplicate of what has already been used on the MTS system can be submitted for Approval in a table that lists the function, manufacturer, and model number of the product. Note, because a product has been previously used on the MTS system does not obligate the Project Manager to approve its use for the VMS Display Upgrade.

C. Prior to the creation of any written Contractor Document, a style sheet shall be developed by the Contractor specifying the format to be used in the creation of all Contractor Documents. The style sheet shall specify such things as text height, font, paragraph numbering, etc. to be followed in the creation of all written Contractor Documents for the VMS Display Upgrade.

D. Communication house and cabinet names used on Contractor Drawings and Contractor Documentation shall be consistent with the names shown on the Contract Drawings in these Contract Documents.

E. All Contractor Drawings shall be drawn in accordance with the latest version of MTS Drafting Standards.

F. Metric drawing sizes and units of measurement shall not be used on Contractor Drawings or Contractor Documents.

G. All Contractor Documentation and Contractor Drawings shall be in American English.

H. Every Contractor Drawing shall include a complete list of materials and parts lists, including the Contractor's part number, in the upper right-hand corner of the Contractor Drawing, describing all parts or sub-assemblies, including Subcontractor-furnished items, which form a part of the assembly, subassembly or piece depicted.

I. Hardware Design Documents

1. A submittal shall be made by the Contractor for the major subsystems listed below. Required content of the submittal for each subsystem is listed below.

2. If desired, the Contractor can combine subsystem submittals if the requested data is provided by the indicated submittal stage:

a. Variable Message Sign (VMS) System

1) Text describing each element of the VMS System.

2) Block and lower-level diagrams, intended to show each typical configuration.

3) Proposed equipment, identified by manufacturer and model.

4) Cable specification and sources.

5) Depiction of all external physical and mechanical interfaces.

6) Values for all configurable settings.

7) List of all lowest level replaceable units, each with MTBF.

b. Wire and Cable System

1) A description of sequence of installation and procedures to avoid outages to the existing services being provided over the existing fiber-optic cable system.

2) A table listing each cable type, manufacturer, and its intended purpose and location of use.

3) Location of start and end of each run.

4) Maximum pull tension and minimum bending radius of each proposed cable pull.

5) Manufacture information on all cables, connectors, enclosures, splice kits, breakout kits, cleaning agents, terminals, cable management hardware, tags, innerducts and plugs. It shall be clearly identified where each item will be used.

6) Signal and power distance calculations to show cable sizing is correct.

J. Test Documents

1. The Contractor shall develop and submit a test plan for approval. The test plan shall provide an overview of all test activities necessary to fully test the new VMS displays and interface to the existing power and network infrastructure.

   a. The test plan shall describe all phases of testing, such as operational and integrated systems, and shall delineate the specific test procedures that shall be performed for each category, along with sequencing requirements. Each test shall have a unique identifier and shall be depicted on a diagram indicating sequence of testing.

   b. The test plan and procedures shall include a traceability matrix to the specific requirements being proven by the test.

2. The Contractor shall submit comprehensive, specific, and detailed Test Procedures for Approval. Test Procedures shall be a detailed, step-by-step description of the tasks to be done to accomplish the test, along with specific pass/fail criteria. All tests shall use preprinted test report forms specific to the test being performed. Allowable range values and pass/fail criteria shall be given in the test procedure and shown on the preprinted report form for each measurement or observation to be made. Test report forms shall include the following at a minimum.

   a. Test name

   b. Test date

   c. Test personnel

   d. Test conditions

   e. Test equipment serial number and calibration dates

   f. Any problems encountered during the test

   g. Test readings or observations

   h. Pass/fail determination

   i. In case of failures, the disposition of the failed equipment

   j. Failure resolution report for each anomaly

3. A matrix shall be submitted listing every test on all equipment, cable, device, subsystem, etc. that is to be performed. The matrix shall show the pass/fail status of the test and date tested. Once testing starts the matrix is to be updated and submitted monthly.

4. Test reports shall be prepared and submitted for Approval after completion of the test reported. Reports shall include test methods followed, values of all test results, unusual conditions found, resolutions to any problems, certification of passage of the test and copies of all check-off drawings or test sheets used.

5. Copies of all adjustment or setting values shall be forwarded.

K. Contractor Issued for Construction and Shop Drawing Submittals

As a minimum the Contractor shall provide the following types of Contractor Drawings as issued for construction drawings for each site that equipment is to be installed. These Contractor Drawings shall be listed in the CDRL. A separate set of drawings shall be provided for each location that equipment is to be installed. The drawings shall show all information at that location plus information for every device and subsystem to which it is connected. Numbering of Contractor Drawings shall be in accordance with MTS Drafting Standards and shall be forwarded to the Project Manager.

1. Cover sheet, legend, index, general notes, and abbreviations.

2. System-Level Single-Line Drawings showing schematically the VMS System. This drawing is to show each sign and its connection to the network and connection of intermediate and end devices.

3. Station communication node Single-Line Diagram schematically showing the communication subsystem and the interconnections at each single node.

4. Subsystem single-line diagrams depicting the operation of each subsystem.

5. AC and DC single line diagrams schematically showing AC connections and branch circuit wiring.

6. Wiring and connection diagrams showing cable runs and wire terminations to new VMS displays. The connection and interconnection electrical drawings shall indicate all wire connections, terminations, and identification, and shall show nominal voltages, equipment and equipment ratings, currents, frequencies, significant resistance values, and the rating of all loads. Devices shall be labeled identical to the actual device, and their locations on panels shall be shown representative of its actual location. Connection diagrams shall identify each outgoing power and control connection and wire. Interconnection diagrams shall show wiring from the equipment terminal blocks, to external equipment connections, terminal blocks, and devices.

7. Cable schedule identifying all new cables with a unique number. As a minimum size, cable type, function, number of conductors, source, and destination information shall be provided on the schedule.

8. Cable routing plans showing the raceway routing of all new cable runs between communication cabinets and communication station VMS equipment.

9. Installation details for all VMS equipment and associated components.

L. As-Built Contractor Drawings and Information

M. The Contractor shall provide a separate package of As-Built Contractor Documents in an electronic format as specified in MTS Drafting standards for each VMS installation at each station. Each package shall have the types of drawings indicated in “Issued for Construction” above.

N. The Contractor shall provide a cutover plan as specified in SECTION 27 02 00 COMMUNICATIONS SYSTEM OVERVIEW.

O. A complete set of maintenance manuals shall be provided on a device and equipment. The manuals shall provide enough information for MTS maintenance personnel to maintain the

equipment. Manuals shall be provided to MTS in electronic format, including but not limited to PDF.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 27 96 00

COMMUNICATIONS SYSTEM TESTING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes basic testing requirements under this Contract.

B. The Contractor shall:

1. Be responsible for successfully completing all tests required by these Specifications.

2. Provide all test instruments and any other materials, equipment and personnel needed to perform the tests.

3. Be fully responsible for the replacement of all equipment damaged as a result of the tests and shall bear all associated costs.

4. Maintain comprehensive records of all tests.

5. Provide test plans, procedures, records, and reports for The Project Manager's approval.

a. Test plans shall be consistent with MTS requirements and Contractor's plan for cutover of the Communications System.

b. Test procedures shall be comprehensive, specific, and detailed. Test procedures shall be detailed step-by-step description of the work to be done to accomplish this test.

c. All tests shall be preprinted test report forms specific to the test being performed.

1) Allowable value ranges or pass/fail criteria shall be given in the test procedure and shown on the preprinted report form for each measurement or observation to be made.

2) Test report forms shall include (as a minimum) – test name, test date, test personnel, test conditions, test equipment serial numbers and calibration dates, any problems encountered during the test, test readings or observations, and in the case of failures a description of the disposition of the failed equipment.

6. All test procedures shall incorporate industry recognized standards to the greatest extent possible.

C. Test Plan, test procedures and test records shall be submitted for The Project Manager's Approval.

D. MTS reserves the right to:

1. Witness all tests and inspections required by these Specifications.

2. Inspect test records at any time.

3. Perform additional testing, beyond that specified in these Specifications, of any equipment or material at any time to determine conformance with these Specifications. Additional testing by The Project Manager is not to be considered as a replacement for any

Contractor required testing or manufacturer producing materials for the Contract required testing those additional requirements.

E. Inspection and Test Sequence

1. The Contractor shall perform inspections and test for the VMS station subsystem and any associated components. Each of the following steps must be successfully completed before proceeding to the next.

   a. First Article Inspection

   b. Equipment Burn-In

   c. Subsystem Testing in the Field

   d. End-to-End Testing

2. System Integration tests and reliability tests shall follow the successful completion of the above inspections and test.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 QUALITY ASSURANCE

Quality assurance planning, implementation and reporting shall be in conformance with MTS requirements, except as modified herein.

1.4 SUBMITTALS

Submittals shall be in conformance with SECTION 27 85 00 COMMUNICATIONS SYSTEM DOCUMENTS, except as modified herein.

PART 2 - PRODUCTS

Not used

PART 3 - EXECUTION

3.1 INSTALLATION

Pre-installation inspection shall include inspection for:

A. Missing components and parts

B. Correct serial numbers

C. Damage to equipment

D. All installed equipment shall undergo as a minimum, inspections for:

1. Conformance to standards, methods and quality
2. Correct location, positioning, mounting and orientation
3. Damage to equipment
4. Correct and secure external connections
5. Correct and secure routing of cable and wires
6. Correct and secure internal connections
7. Proper Grounding
8. Verification of all configuration data and setting
9. Correct labeling

3.2 INSPECTION AND TESTING

A. First Article Inspections

1. Perform First Article Inspection (FAI) for each subsystem and component that is custom built, custom assembled, or generally not accepted as a commercial off-the-shelf item or assembly.

2. The purpose of each FAI shall be to:

a. Determine, based on inspection, measurement, and basic operation, whether the layout and mechanical aspects of the unit under inspection are consistent with Project Manager approved Contract Drawings, requirements of these Specifications, and other design documentation. Where maintainability, accessibility, safety, status indicators, power indicators and control, and exposure to power connector, are present in the unit, assessment of those maintainability aspects shall be included in the FAI.

b. Determine whether an acceptable level of workmanship that is consistent with approved workmanship standards and practices, is present in the initial copy of the unit under inspection. For wiring, wiring connections, cabling, cable management, labels, tags, or grounding connections, the workmanship standards, practices and procedures associated with the respective element shall be included as part of the FAI.

c. Determine whether an acceptable level of operating and maintenance safety is provided in the initial product submittal.

3. For each subsystem and component, the FAI shall be conducted at the earliest possible time in the manufacturing stage.

4. The Project Manager may request an FAI on any subsystem or component. For those subsystems or components where the Project Manager requires a FAI:

a. Obtain the Project Manager's approval of the level of workmanship deemed to be acceptable.

b. The following, applicable to the subject subsystem or component, shall be available at the time of the FAI:

1) Project Manager approved Contract Drawings and other design documentation

2) Subsystem or component parts list

3) Manufacturing and Quality Assurance inspection records

4) Test Plan and Procedures

5) Tools and staff to make measurements

6) Tools and staff to remove covers and perform limited disassembly

B. Equipment Burn-In

1. A 72-hour burn-in shall be performed for all communications equipment.

C. Field Equipment and Subsystem Testing

1. Perform the following equipment field tests for all installed equipment. Additional field tests for each subsystem, listed in the subsequent paragraphs, shall not be construed to limit, or otherwise relieve the Contractor of the responsibility for performing comprehensive field testing of the following:

a. Perform power-up and diagnostic tests

b. Verify correct operation of all mechanical and electrical controls and interfaces

c. Verify proper operation of all settings, indicators and alarms

d. Verify proper connection to and basic operation of all external interfaces

e. Verify conformance to grounding and power plans

f. Ensure acceptable levels of emitted radiation

g. Basic equipment operation

h. Functional and performance testing

i. Operation in the presence of equipment and software failures

j. Operation in the presence of power failure and restart

2. Subsystem testing shall include:

a. Equipment functional tests shall be performed on all new Visual Message Signs (VMS)

b. Tests for proper local operation

c. Tests to confirm the installed equipment or subsystem meets functional and performance requirements

d. Validation of all data used to configure or operate the subsystem equipment

3. Wire and Cable: The following tests shall be performed at a minimum on new cable provided under this Contract. With exception to fiber optic cable, tests shall be performed before and after installation:

   a. Optical time domain recorder (OTDR) test of all fibers at all optimized wavelengths

   b. Copper cable tests for each pair- loop resistance, balance, capacitance, resistance to shield

   c. Cable shield test to ground

   d. All main power cables that interconnect power systems between facilities such as communications cabinets and station elements shall undergo insulation resistance, or megger, testing.

4. VMS:

   a. Perform power-up and diagnostic tests.

   b. Complete integration test to verify network connectivity with AppSpace. MTS will use AppSpace to display a message on the new GDS sign.

   c. Test the ability of other GDS signs at a platform to continue to operate with the loss of one or more GDS signs. This requirement does not apply to the loss of the parent sign in a parent / child configuration. The child sign is not expected to function without the parent sign.

D. Systems Integration Testing:

1. Conduct System Integration Testing in accordance with Project Manager's requirements.

2. Technical support shall include providing Project Manager, technician, and installation staff as well as tools, appliances, fixtures, expendable materials, supplies and test equipment as needed to perform the System Integration Testing procedures or to develop and implement required corrective actions on the Contractor's elements.

3. This testing shall involve the interaction of the Communications System operating with one or more other sub-systems and will be required through System Final Acceptance.

4. System Integration Testing shall include testing of all communications subsystems. Subsystem integration testing shall include proper remote operation of VMS messaging.

END OF SECTION

BLUE LINE VMS DISPLAY UPGRADES

TECHNICAL SPECIAL PROVISIONS
100% Submittal

June 24, 2024

San Diego Metropolitan Transit System

Included Sections:

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

SECTION 01 30 00
TRAFFIC HANDLING, PUBLIC SAFETY, AND CONVENIENCE

SECTION 01 32 16
CONSTRUCTION PROGRESS SCHEDULE

SECTION 01 70 00
EXECUTION AND CLOSEOUT REQUIREMENTS

SECTION 02 41 00
DEMOLITION

SECTION 05 12 00
STRUCTURAL STEEL FRAMING

SECTION 27 02 00
COMMUNICATIONS SYSTEM OVERVIEW

SECTION 27 45 00
COMMUNICATIONS VARIABLE MESSAGE SIGN SYSTEM

SECTION 27 60 00
COMMUNICATIONS WIRE, CABLE, AND RACEWAY

SECTION 27 85 00
COMMUNICATIONS SYSTEM DOCUMENTS

SECTION 27 96 00
COMMUNICATIONS SYSTEM TESTING

SAN DIEGO MTS
VMS REPLACEMENT PROJECT: BLUE LINE
PROJECT: 5MTS010105
DATE 06/24/2024

ITEM LIST

Item No.	ITEMS	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	MOBILIZATION (10%)	LS	1	$19,847.10	$19,847
2	CONSTRUCTION PROGRESS SCHEDULE	LS	1	$15,000.00	$15,000
3	ELECTRICAL AND NETWORKING	LS	1	$92,435.00	$92,435
4	REMOVAL AND DISPOSAL OF EXISTING VMS UNITS	LS	1	$23,906.00	$23,906
5	STRUCTURAL STEEL	LS	1	$9,755.00	$9,755
6	INSTALL NEW VMS UNITS (42" DISPLAYS)	LS	1	$57,375.00	$57,375
7					
8					
9					
10					
11					
12					
				SUBTOTAL	**$218,318**
				CONTINGENCY (20%)	$43,664
				CONTRACT TOTAL	**$261,982**
				ROUNDED CONSTRUCTION TOTAL	**$262,000**

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. General administrative requirements.

B. Preconstruction meeting.

C. Site mobilization meeting.

D. Progress meetings.

E. Construction progress schedule.

F. Progress photographs.

G. Coordination drawings.

H. Submittals for review, information, and project closeout.

I. Number of copies of submittals.

J. Requests for Interpretation (RFI) procedures.

K. Submittal procedures.

1.02 RELATED REQUIREMENTS

A. Section 01 32 16 - Construction Progress Schedule: Form, content, and administration of schedules.

1.03 GENERAL ADMINISTRATIVE REQUIREMENTS

A. Comply with requirements of Section 01 70 00 - Execution and Closeout Requirements for coordination of execution of administrative tasks with timing of construction activities.

B. Make the following types of submittals to Architect:
   1. Requests for Interpretation (RFI).
   2. Requests for substitution.
   3. Shop drawings, product data, and samples.
   4. Test and inspection reports.
   5. Design data.
   6. Manufacturer's instructions and field reports.
   7. Applications for payment and change order requests.
   8. Progress schedules.
   9. Coordination drawings.
   10. Correction Punch List and Final Correction Punch List for Substantial Completion.
   11. Closeout submittals.

1.04 PROJECT COORDINATOR

A. Project Coordinator: Construction Manager.

B. Cooperate with the Project Coordinator in allocation of mobilization areas of site; for field offices and sheds, for access, traffic, and parking facilities.

C. During construction, coordinate use of site and facilities through the Project Coordinator.

D. Comply with Project Coordinator's procedures for intra-project communications; submittals, reports and records, schedules, coordination drawings, and recommendations; and resolution of ambiguities and conflicts.

E. Comply with instructions of the Project Coordinator for use of temporary utilities and construction facilities. Responsibility for providing temporary utilities and construction facilities is identified in Section 01 10 00 - Summary.

F. Coordinate field engineering and layout work under instructions of the Project Coordinator.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 PRECONSTRUCTION MEETING

A. Project Coordinator will schedule a meeting after Notice of Award.

B. Attendance Required:
   1. Owner.
   2. Architect.
   3. Contractor.

C. Agenda:
   1. Execution of Owner-Contractor Agreement.
   2. Submission of executed bonds and insurance certificates.
   3. Distribution of Contract Documents.
   4. Submission of list of subcontractors, list of products, schedule of values, and progress schedule.
   5. Designation of personnel representing the parties to Contract, _____ and Architect.
   6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
   7. Scheduling.

D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.02 PROGRESS MEETINGS

A. Project Coordinator will make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.

B. Attendance Required:
   1. Contractor.
   2. Owner.
   3. Architect.
   4. Contractor's superintendent.
   5. Major subcontractors.

C. Agenda:
   1. Review minutes of previous meetings.
   2. Review of work progress.
   3. Field observations, problems, and decisions.
   4. Identification of problems that impede, or will impede, planned progress.
   5. Review of submittals schedule and status of submittals.
   6. Maintenance of progress schedule.
   7. Corrective measures to regain projected schedules.
   8. Planned progress during succeeding work period.
   9. Maintenance of quality and work standards.
   10. Effect of proposed changes on progress schedule and coordination.
   11. Other business relating to work.

D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.03 CONSTRUCTION PROGRESS SCHEDULE

A. If preliminary schedule requires revision after review, submit revised schedule within 10 days.

B. Within 20 days after review of preliminary schedule, submit draft of proposed complete schedule for review.

1. Include written certification that major contractors have reviewed and accepted proposed schedule.

C. Within 10 days after joint review, submit complete schedule.

D. Submit updated schedule with each Application for Payment.

3.04 SUBMITTALS FOR REVIEW

A. When the following are specified in individual sections, submit them for review:
1. Product data.
2. Shop drawings.
3. Samples for selection.
4. Samples for verification.

B. Submit to Architect for review for the limited purpose of checking for compliance with information given and the design concept expressed in Contract Documents.

C. Samples will be reviewed for aesthetic, color, or finish selection.

D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 01 78 00 - Closeout Submittals.

3.05 SUBMITTALS FOR INFORMATION

A. When the following are specified in individual sections, submit them for information:
1. Design data.
2. Certificates.
3. Test reports.
4. Inspection reports.
5. Manufacturer's instructions.
6. Manufacturer's field reports.
7. Other types indicated.

B. Submit for Architect's knowledge as contract administrator or for Owner.

3.06 SUBMITTALS FOR PROJECT CLOSEOUT

A. Submit Correction Punch List for Substantial Completion.

B. Submit Final Correction Punch List for Substantial Completion.

C. When the following are specified in individual sections, submit them at project closeout in compliance with requirements of Section 01 78 00 - Closeout Submittals:
1. Project record documents.
2. Operation and maintenance data.
3. Warranties.
4. Bonds.
5. Other types as indicated.

D. Submit for Owner's benefit during and after project completion.

3.07 NUMBER OF COPIES OF SUBMITTALS

A. Electronic Documents: Submit one electronic copy in PDF format; an electronically-marked up file will be returned. Create PDFs at native size and right-side up; illegible files will be rejected.

B. Samples: Submit the number specified in individual specification sections; one of which will be retained by Architect.
1. After review, produce duplicates.
2. Retained samples will not be returned to Contractor unless specifically so stated.

3.08 SUBMITTAL PROCEDURES

A. General Requirements:

1. Use a separate transmittal for each item.
2. Identify: Project; Contractor; subcontractor or supplier; pertinent drawing and detail number; and specification section number and article/paragraph, as appropriate on each copy.
3. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and Contract Documents.

END OF SECTION

SECTION 01 30 00
TRAFFIC HANDLING, PUBLIC SAFETY, AND CONVENIENCE

PART 1 GENERAL

A. The contractor shall submit to the Engineer for review and approval a plan showing traffic control measures for trains, vehicles, pedestrians, and bicycles affected by the construction work.

B. For emergency purposes, the responsible person in charge of the work must be reachable by phone 24 hours a day during the progress of the work. A 24-hour phone number shall be provided.

1.02 SUBMITTALS

A. Construction Sequencing Plan – detailing the proposed construction staging and proposed platform closures including limits, durations, and dates. All closures shall be clearly indicated in the project schedule.

B. Detour Plan – detailing the rerouting of pedestrian and vehicular traffic during any proposed platform closures and active construction areas. This shall include signage, channelizer/barriers, temporary fence locations, and other approved methods.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

2.01 CONTENT

A. PUBLIC CONVENIENCE

1. All work performed on the platform shall be done in an expeditious manner and cause as little inconvenience to the traveling public as possible. Vehicles and pedestrians must be allowed to pass at all times except during an Engineer approved closure.

B. PEDESTRIAN ACCESS

1. The Contractor shall not block the movement of pedestrian traffic unless as part of an Engineer approved closure. The Contractor shall provide for pedestrian traffic by phasing construction operations or by providing alternative pedestrian access through or adjacent to construction areas. The contractor must submit for review and approval a traffic handling plan which includes details for the provision of pedestrian access.
2. Proper advance notice signage with reasonable detours shall be installed and maintained through all phases of construction. At no time shall pedestrians be diverted into a portion of the street used for vehicular traffic or on to private property unless adequate lane closure signage is in place. Minimum allowable pedestrian access shall consist of four-foot (4') wide bridges across trenches and four-foot (4') wide passageways through construction areas. Hand railings for pedestrians shall be provided when required by Cal/OSHA Regulations or the Americans with Disabilities Act (ADA) on each side of each bridge or passageway to protect pedestrians from hazards caused by construction operations or adjacent vehicular traffic. Railings or barricades, which border passageways located in roadway areas, shall be reflectorized on the side facing oncoming traffic.

C. ERECTION OF SIGNS TO EXPEDITE PASSAGE OF VEHICLES & PEDESTRIANS

1. The Contractor shall erect such warning and directional signs as necessary or as directed by the Engineer for expediting the passage of public traffic through or around the Work and the approaches.

D. TRAFFIC OBSTRUCTIONS, DELAYS, AND INCONVENIENCES

1. All public traffic shall be permitted to pass through the Work zone unless during an Engineer approved closure, and the Contractor shall conduct operations that offer the least possible obstruction, delay, and inconvenience to the public.

E. HAZARDOUS CONDITIONS CREATED

1. Whenever the Contractor's operations create a condition hazardous to pedestrians or the traveling public, the Contractor shall, at the Contractor's own expense, furnish, erect and maintain any fences, covers, temporary railing (Type K), barricades, lights, signs and other devices necessary or as directed by the Agency to prevent accidents or damage or injury to the public or property.
2. Temporary facilities the Contractor uses to perform work, or store/stage materials or equipment within, shall not be installed or placed where they will interfere with the free and safe passage of public vehicular or pedestrian traffic.

F. WORKING HOURS

1. Working hours shall be between the hours of 7:00 AM and 6:00 PM Monday through Friday, unless otherwise approved by the Engineer. No street or lane shall be closed prior to 8:00 A.M. and all streets and lanes shall be open to traffic by 4:00 P.M. platform areas not actively being repaired by the Contractor shall be accessible and operational at all times to passengers and pedestrians.
2. Weekend work may be approved by the Engineer.

3. The Contractor shall submit for approval, a written request to perform weekend work a minimum of two (2) weeks prior to the weekend dates.

G. SAFETY

1. The Contractor shall furnish and install temporary stripes, and maintain temporary construction warning signs, lighting, flaggers, barricades, striping and other devices necessary to safeguard the general public and the work, and to provide for the safe and proper routing of all vehicular and of pedestrian traffic within and through the limits of the projects during the construction. The requirement shall apply continuously and shall not be limited to normal working hours.

H. EXPEDITIOUS WORK

1. All work performed on the platform shall be done in an expeditious manner to cause as little inconvenience to the traveling public as possible.

I. PUBLIC NOTIFICATION

1. The Contractor shall notify users of the station to the work three (3) calendar days in advance of the work (except that for Monday work, residents shall be notified on the prior Thursday). Any changes in the Contractor's schedule shall require that re-notification take place at the Contractor’s expense. The Contractor shall not be allowed to begin work until the users within the station work area have been notified.
2. Notification shall be done by temporarily posting signage, or as directed by the Engineer, near the general public entry/exit points of the platforms. Signage shall be maintained during construction, clear and legible and weather resistant so that the message is not obscured or washes away from moisture.
3. Full compensation for this item shall be included in the prices paid for various contract items of work and no additional compensation will be allowed.

END OF SECTION

SECTION 01 32 16
CONSTRUCTION PROGRESS SCHEDULE

PART 1 GENERAL

1.01 SUBMITTALS

A. Within 10 days after date of Agreement, submit preliminary schedule.

B. If preliminary schedule requires revision after review, submit revised schedule within 10 days.

C. Within 20 days after review of preliminary schedule, submit draft of proposed complete schedule for review.

D. Within 10 days after joint review, submit complete schedule.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 CONTENT

A. The Contractor shall furnish the schedules on a form of their choice but should be in the latest version of Microsoft Project, Primavera, or equivalent and identify critical path items.

B. Show complete sequence of construction by activity, with dates for beginning and completion of each element of construction.

C. Show accumulated percentage of completion of each item, and total percentage of Work completed, as of the first day of each month.

D. Provide legend for symbols and abbreviations used.

END OF SECTION

SECTION 01 70 00
EXECUTION AND CLOSEOUT REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Examination, preparation, and general installation procedures.

B. Cleaning and protection.

C. Closeout procedures, including Contractor's Correction Punch List, except payment procedures.

1.02 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

1.03 COORDINATION

A. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.

B. Notify affected utility companies and comply with their requirements.

C. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.

D. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on drawings. Follow routing indicated for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.

E. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.

F. Coordinate completion and clean-up of work of separate sections.

G. After Owner occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means acceptance of existing conditions.

B. Verify that existing substrate is capable of structural support or attachment of new work being applied or attached.

C. Examine and verify specific conditions described in individual specification sections.

D. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.

E. Verify that utility services are available, of the correct characteristics, and in the correct locations.

F. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting performance of work. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

A. Clean substrate surfaces prior to applying next material or substance.

B. Seal cracks or openings of substrate prior to applying next material or substance.

C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

3.03 GENERAL INSTALLATION REQUIREMENTS

A. Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.

B. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.

C. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.

D. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.

E. Make neat transitions between different surfaces, maintaining texture and appearance.

3.04 PROGRESS CLEANING

A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.

B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.

C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

D. Collect and remove waste materials, debris, and trash/rubbish from site periodically and dispose off-site; do not burn or bury.

3.05 PROTECTION OF INSTALLED WORK

A. Protect installed work from damage by construction operations.

B. Provide special protection where specified in individual specification sections.

C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.

D. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.

E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.

F. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.

G. Remove protective coverings when no longer needed; reuse or recycle coverings if possible.

3.06 ADJUSTING

A. Adjust operating products and equipment to ensure smooth and unhindered operation.

3.07 CLOSEOUT PROCEDURES

A. Make submittals that are required by governing or other authorities.

B. Accompany Project Coordinator on preliminary inspection to determine items to be listed for completion or correction in the Contractor's Correction Punch List for Contractor's Notice of Substantial Completion.

C. Notify Architect when work is considered ready for Architect's Substantial Completion inspection.

D. Submit written certification containing Contractor's Correction Punch List, that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for Architect's Substantial Completion inspection.

E. Conduct Substantial Completion inspection and create Final Correction Punch List containing Architect's and Contractor's comprehensive list of items identified to be completed or corrected and submit to Architect.

F. Correct items of work listed in Final Correction Punch List and comply with requirements for access to Owner-occupied areas.

G. Notify Architect when work is considered finally complete and ready for Architect's Substantial Completion final inspection.

H. Complete items of work determined by Architect listed in executed Certificate of Substantial Completion.

END OF SECTION

SECTION 02 41 00
DEMOLITION

PART 3 EXECUTION

1.01 GENERAL PROCEDURES AND PROJECT CONDITIONS

A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
   1. Obtain required permits.
   2. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
   3. Provide, erect, and maintain temporary barriers and security devices.
   4. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
   5. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.
   6. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from removal operations.
   7. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon, or limit access to their property.

B. Do not begin removal until receipt of notification to proceed from Owner.

C. Protect existing structures and other elements to remain in place and not removed.
   1. Provide bracing and shoring.
   2. Prevent movement or settlement of adjacent structures.
   3. Stop work immediately if adjacent structures appear to be in danger.

1.02 DEBRIS AND WASTE REMOVAL

A. Remove debris, junk, and trash from site.

B. Leave site in clean condition, ready for subsequent work.

C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

SECTION 05 12 00
STRUCTURAL STEEL FRAMING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Structural steel framing members.

B. Structural steel support members and struts.

1.02 REFERENCE STANDARDS

A. AISC (MAN) - Steel Construction Manual 2023.

B. AISC 325 - Steel Construction Manual 2017.

C. ASTM A36/A36M - Standard Specification for Carbon Structural Steel 2019.

D. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength 2021.

E. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes 2021a.

F. ASTM A563/A563M - Standard Specification for Carbon and Alloy Steel Nuts (Inch and Metric) 2021a.

G. ASTM A992/A992M - Standard Specification for Structural Steel Shapes 2022.

H. ASTM F436/F436M - Standard Specification for Hardened Steel Washers Inch and Metric Dimensions 2019.

I. ASTM F593 - Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs 2017.

J. AWS B2.1/B2.1M - Specification for Welding Procedure and Performance Qualification 2021.

K. AWS D1.1/D1.1M - Structural Welding Code - Steel 2020, with Errata (2023).

L. SSPC-Paint 15 - Steel Joist Shop Primer/Metal Building Primer 2004.

M. SSPC-Paint 20 - Zinc-Rich Coating (Type I - Inorganic, and Type II - Organic) 2019.

N. SSPC-SP 1 - Solvent Cleaning 2015, with Editorial Revision (2016).

O. SSPC-SP 2 - Hand Tool Cleaning 2018.

P. SSPC-SP 3 - Power Tool Cleaning 2018.

Q. SSPC-SP 7 - Brush-Off Blast Cleaning 2007.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Shop Drawings:
   1. Indicate profiles, sizes, spacing, locations of structural members, openings, attachments, and fasteners.
   2. Indicate welded connections with AWS A2.4 welding symbols. Indicate net weld lengths.

C. Manufacturer's Mill Certificate: Certify that products meet or exceed specified requirements.

D. Mill Test Reports: Indicate structural strength, destructive test analysis and non-destructive test analysis.

E. Fabricator Test Reports: Comply with ASTM A1011/A1011M.

F. Welders' Qualification Statement: Welders' certificates in accordance with AWS B2.1/B2.1M and dated no more than 12 months before start of scheduled welding work.

1.04 QUALITY ASSURANCE

A. Fabricate structural steel members in accordance with AISC (MAN) "Steel Construction Manual."

PART 2 PRODUCTS

2.01 MATERIALS

A. Steel Angles and Plates: ASTM A36/A36M.

B. Steel W Shapes and Tees: ASTM A992/A992M.

C. Rolled Steel Structural Shapes: ASTM A992/A992M.

D. Cold-Formed Structural Tubing: ASTM A500/A500M, Grade B.

E. Structural Bolts and Nuts: Stainless Steel, ASTM F593.

F. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.

G. Shop and Touch-Up Primer: Fabricator's standard, complying with VOC limitations of authorities having jurisdiction.

2.02 FABRICATION

A. Shop fabricate to greatest extent possible.

B. Fabricate connections for bolt, nut, and washer connectors.

2.03 FINISH

A. Prepare structural component surfaces in accordance with SSPC-SP 3.

B. Shop prime structural steel members. Do not prime surfaces that will be fireproofed, field welded, in contact with concrete, or high strength bolted.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that conditions are appropriate for erection of structural steel and that the work may properly proceed.

3.02 ERECTION

A. Erect structural steel in compliance with AISC 303.

B. After erection, prime welds, abrasions, and surfaces not shop primed, except surfaces to be in contact with concrete.

END OF SECTION

SECTION 27 02 00

COMMUNICATIONS SYSTEM OVERVIEW

PART 1 - GENERAL

1.1 SUMMARY

This Section gives a general overview of the technical requirements for the installation and testing of the network and power connections to the GDS signs for the San Diego MTS VMS Upgrade Project.

A. The use of proven equipment is required, and to this end, waivers may be requested by the Contractor for equipment which the Contractor believes to be proven in equivalent climatic and operating environments.

B. The VMS System and Equipment specified herein shall be safe, reliable, maintainable, and meet the availability requirements of the Contract. To this end, service proven hardware shall be provided.

C. The Contractor shall ensure that each subcontractor has a complete copy of this Section of the Contract Documents.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 REFERENCES AND STANDARDS

The GDS signs shall be installed and tested to the latest revision and applicable Sections at the time of Award of Contract of the following codes and standards.

A. National Building Industry Consulting Service International (BICSI) Telecommunications Distribution Methods Manual

B. American Railway Engineering and Maintenance-of-Way Association (AREMA) Manual of Recommended Practices – Communications

C. Federal Communications Commission (FCC) Rules Parts 15 and 90

D. National Fire Protection Association (NFPA) Standard 130

E. National Electric Code (NFPA 70)

F. American with Disabilities Act (ADA)

G. Electric Manufacturer’s Association (NEMA)

H. National Electric Safety Code (NESC)

I. Institute of Electrical and Electronics Engineers (IEEE)

J. International Organization for Standardization (ISO)

K. Insulated Cable Engineer's Association (ICEA)

L. American Society for Testing and Materials (ASTM)

M. American National Standards Institute (ANSI)

N. Underwriter's Laboratories, Inc. (UL)

O. Electronic Industries Association (EIA)

P. Occupational, Safety, and Health Administration (OSHA)

Q. Internet Engineering Task Force (IETF)

R. Rural Electrification Association (REA)

1.4 QUALITY ASSURANCE

Quality assurance, planning, implementation, and reporting shall be in conformance with MTS requirements, except as modified herein.

1.5 SUBMITTALS

Submittals shall be in conformance with SECTION 27 85 00 COMMUNICATIONS SYSTEM DOCUMENTS, except as modified herein.

PART 2 - PRODUCTS

2.1 TECHNICAL REQUIREMENTS

A. The VMS Display Upgrade Project requires replacing the existing Daktronics VMS displays with new GDS MIDAS-S 42" Stretch Displays, which shall be integrated into the existing MTS Public Address/Visual Message Sign (PA/VMS) system.

B. MTS currently operates three rail lines, the Orange Line, Blue Line and Green Line. These specifications apply to the Blue Line.

C. As part of the Project, new VMS displays shall be installed at all existing Blue Line stations except for the Civic Center, Fifth Avenue, City College, Park & Market, and 12th & Imperial Stations shared with the Orange Line to provide enhanced passenger information capabilities at the stations as well as replace aging displays. Upgrades to local PA/VMS head end equipment or at the MTS Control Center are not in the scope of this Contract.

D. The VMS Upgrade Work includes interfacing to the existing MTS communications system and the existing PA/VMS central control system.

E. The Contractor shall supply the CAT 6 cables, SMF cables and power circuit cables required to replace the network and power daisy chains at some of the stations, subject to MTS approval. MTS will provide the rest of the equipment and hardware.

F. The Contractor shall supply junction boxes, cable nuts, 90-degree connectors, extra power cables, and conduit required for installation of the parent-child displays. Conduit from the junction box to the signs, including the 90-degree connectors, shall be 0.5" liquid-tight.

G. The Contractor shall provide the following services:

1. Connect the new MTS provided GDS signs to the network and power infrastructure at each Blue Line Station. There are 18 Blue Line Stations minus the Civic Center, Fifth Avenue, City College, Park & Market, and 12th & Imperial Stations shared with the Orange Line for a total of 74 double sided displays and 1 single sided display. A list of Blue Line Stations and a description of the existing infrastructure at each station is provided in the SDMTS Station VMS Upgrade Site Survey Report.

2. For existing double-sided Daktronics signs, two GDS signs will be installed in a parent-child configuration with an HDMI and USB cable connecting the two signs.

3. Eliminate the network and power daisy chains at the following Blue Line Stations by running new contractor provided power or network cables between the power panels or communication cabinets through the existing conduits to the new signs. The contractor shall label the new cables with the name of the connected sign. MTS will provide the extra media converters to eliminate the network daisy chains at Old Town, Santa Fe and San Ysidro.

Station Name	Network	Power	WB1	WB2	WB3	WB4	EB1	EB2	EB3	EB4	Total + 10% (feet)	Notes
Old Town	Yes	No	231	374			262	157			1126.4	WB1 and WB2 are network daisy chained. EB1 and EB2 are network daisy chained. This information was provided by MTS but was not independently verified.
Santa Fe	Yes	No	619	200	0	0	270	397	397	576	2704.9	All signs are network daisy chained. This information was provided by MTS but was not independently verified.
San Ysidro	Yes	Unk.		234			234				514.8	WB2 is connected via single mode fiber optic cable due to a visible “VMS North” label at the fiber patch panel. The other sign on the same pole, EB1, could be daisy chained from WB2.

4. The Contractor shall install an MTS provided Omnitron model 4371-1W media converter in all single sided standalone and double sided parent displays. Double sided child displays do not require a media converter. The Contractor shall install the Omnitron media converter on the existing mounting bracket inside the display using four (4) M3x5 screws. The Contractor shall provide the screws.

5. For displays connected with an external fiber cable, the Contractor shall run the fiber cable through the Contractor installed conduit on the rear of the display and terminate it inside the display. The Contractor shall connect the fiber cable, internal ethernet cable and power connector to the Omnitron media converter. The Contractor shall connect the other end of the internal ethernet cable to the Media Player. If not already connected, the Contractor

shall connect the other end of the power connector to the 12VDC Power Supply. MTS will provide the internal ethernet cable and Omnitron media converter power connector.

6. For displays connected with an external ethernet cable, the Contractor shall run the external ethernet cable through the Contractor installed conduit on the rear of the display and terminate it inside the display. The Contractor shall connect the external ethernet cable to the Ethernet Protector/Isolator. The Contractor shall connect one end of the internal ethernet cable to the Ethernet Protector/Isolator and the other end to the Media Player. The Contractor shall connect the power connector to the Omnitron media converter. If not already connected, the Contractor shall connect the other end of the power connector to the 12VDC Power Supply. The Omnitron media converter will have power but will not have an external fiber or internal ethernet connection. MTS will provide the internal ethernet cable and Omnitron media converter power connector.

7. Standardize the VMS media converters in the communications cabinets by replacing non-conforming media converters with the MTS provided Omnitron model 4371-1W media converter. Install the media converters in the MTS provided Omnitron model 4395 media converter chassis.

8. Perform the post installation testing described in SECTION 27 96 00 – Communications System Testing for each new GDS sign.

9. Label any existing VMS power or network cables that are not currently labeled or are incorrectly labeled.

10. Provide project management, technical controls, and administrative personnel to ensure the installation is high quality and on schedule.

2.2 GENERAL REQUIREMENTS

A. The Contractor shall:

1. Install, adjust, and test the new GDS VMS displays in conformity with the requirements of this Section. Remove and dispose of the existing Daktronics VMS displays prior to installation of new displays. The new GDS displays have been procured by MTS and will be provided to the Contractor to install, commission, and test.

2. Furnish documentation and Contract Drawings necessary to support operation, maintenance, repair, and reconfiguration of the provided GDS VMS displays.

3. Conduct installation review meetings as approved by the Project Manager.

4. Provide management, technical support, tools, and equipment required to ensure installation and proper operation of the new VMS displays.

2.3 INTERFACE REQUIREMENTS

A. Testing and verification shall occur prior to the start of the Contractor's Work to confirm that existing VMS signs and associated power and network equipment do not impair the Contractor in meeting the requirements of this Section.

B. The Contractor shall not disrupt any existing Blue Line systems during installation and testing of the new GDS VMS displays. These systems include the existing VMS system, the public address system, the CCTV system, and ticket vending machines.

C. MTS will use the AppSpace software to interface with the new GDS signs over the network. It is the responsibility of MTS to configure AppSpace to interface with the new signs.

2.4 DECOMMISSIONING OF EXISTING EQUIPMENT AND CABLES

A. General Requirements

1. The Contractor shall develop and submit a Decommissioning Plan consistent with the requirements of these Specifications.

2. The Contractor shall clearly identify equipment to be removed and cables to be cut and/or removed.

3. This Decommissioning Plan shall include the plan and procedure to decommission the existing VMS signs and remove and turnover equipment to be salvaged by MTS.

4. The decommissioning Plan shall require Project Manager approval.

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 27 45 00

COMMUNICATIONS VARIABLE MESSAGE SIGN SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

A. This Section describes the functional and performance requirements for the new GDS displays. The GDS displays shall be used to provide MTS passengers with visual announcements.

B. The new GDS displays shall be connected to the local network at each station for communication with the remote MTS AppSpace software.

C. The Contractor shall replace all existing Daktronics VMS displays. The new GDS displays will be provided by MTS. The Contractor shall install the new displays and make the necessary power and data network connections. The Contractor shall remove, salvage, and return the existing VMS displays to MTS.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 REFERENCES AND STANDARDS

A. ANSI/TIA/EIA 568-A and TIA/EIA 568-A-1 Standards for Telecommunications Cabling Installation Practices for Commercial Buildings

B. National Building Industry Consulting Service International (BICSI), Telecommunications Distribution Methods Manual

C. NFPA 70 - National Electrical Safety Code (NEC) 2005

D. American with Disabilities Act (ADA)

E. ADA Accessibility Guidelines (ADAAG)

F. Institute of Electrical and Electronics Engineers (IEEE)

G. Internet Engineering Task Force (IETF) Uniform Building Code

H. Local Building Code

I. Local Electrical Code

J. American National Standards Institute (ANSI)

K. Underwriter’s Laboratories, Inc. (UL)

1.4 QUALITY ASSURANCE

Quality assurance planning, implementation and reporting shall be in conformance with MTS requirements, except as modified herein.

1.5 SUBMITTALS

Submittals shall be in conformance with SECTION 27 85 00 COMMUNICATIONS SYSTEM DOCUMENTS, except as modified herein.

PART 2 - PRODUCTS

2.1 GENERAL

A. All equipment and materials provided by the Contractor shall be new, in current production, and shall be free of corrosion, scratches or other such defects.

B. To simplify maintenance and spare part requirements, identical signage and media converters shall be used throughout the VMS System.

2.2 FUNCTIONAL REQUIREMENTS

A. All new GDS displays shall maintain the existing interface with the MTS AppSpace software system that MTS will use to display announcements on the signs.

B. Announcements shall be clearly visible on all displays at each rail platform.

C. The GDS displays shall meet the following requirements:

1. If a display fails, it shall not disrupt messages to any other VMS displays. This requirement does not apply to the failure of the parent sign in a parent / child configuration. If the parent sign fails, it is expected that the child sign will also fail.

2. Existing power and data cabling shall be re-used for new GDS displays to the extent possible apart from the network and power daisy chains which will be replaced with new cabling. If cabling is found to be faulty or defective in any way, either though visual inspection or to the point that performance of GDS displays is affected, the Contractor shall replace the full run of cabling. Cabling splices will not be allowed.

PART 3 - EXECUTION

3.1 INSTALLATION

A. The Contractor shall connect the new GDS displays to the power and network infrastructure in accordance with the installation procedures. Contractor shall install two (2) 90-degree connectors onto standalone and parent displays. Contractor shall install one (1) 90-degree connector onto child displays. The 90-degree connectors shall be 0.5” liquid-tight.

B. Power circuits shall have a maximum of one parent-child display configuration or one standalone display.

C. Power shall be provided from a 120 VAC supply from the power panel at the station. Existing power wiring from the power panel shall be used unless running new power wiring to eliminate a power daisy chain.

D. For parent-child display configurations, contractor shall install power junction boxes. Contractor shall connect power cabling from the power panel within the junction box via cable nuts to new power cables for the parent and child displays. Power cabling connecting to the junction box is subject to requirements specified in 27 60 00 Communications Wire, Cable, and Raceway.

E. Network connections shall be either CAT 6 ethernet or Single Mode Fiber. Existing network cabling from the comms cabinet shall be used unless running new network cabling to eliminate a network daisy chain.

F. HDMI and USB cables between parent-child display configurations will be provided by MTS. Contractor shall connect HDMI and USB cables between parent-child displays.

G. The Contractor shall install an MTS provided Omnitron model 4371-1W media converter in all single sided standalone and double sided parent displays. Double sided child displays do not require a media converter. The Contractor shall install the Omnitron media converter on the existing mounting bracket inside the display using four (4) M3x5 screws. The Contractor shall provide the screws.

H. For displays connected with an external fiber cable, the Contractor shall run the fiber cable through the Contractor installed conduit on the rear of the display and terminate it inside the display. The Contractor shall connect the fiber cable, internal ethernet cable and power connector to the Omnitron media converter. The Contractor shall connect the other end of the internal ethernet cable to the Media Player. If not already connected, the Contractor shall connect the other end of the power connector to the 12VDC Power Supply. MTS will provide the internal ethernet cable and Omnitron media converter power connector.

I. For displays connected with an external ethernet cable, the Contractor shall run the external ethernet cable through the Contractor installed conduit on the rear of the display and terminate it inside the display. The Contractor shall connect the external ethernet cable to the Ethernet Protector/Isolator. The Contractor shall connect one end of the internal ethernet cable to the Ethernet Protector/Isolator and the other end to the Media Player. The Contractor shall connect the power connector to the Omnitron media converter. If not already connected, the Contractor shall connect the other end of the power connector to the 12VDC Power Supply. The Omnitron media converter will have power but will not have an external fiber or internal ethernet connection. MTS will provide the internal ethernet cable and Omnitron media converter power connector.

J. All new MTS provided media converters installed in the station communication cabinet shall be mounted in an MTS provided media converter chassis. Equipment placed on rack mounted shelves is not permissible.

3.2 TESTING

Testing shall be in conformance with SECTION 27 96 00 COMMUNICATIONS SYSTEM TESTING, except as modified herein.

END OF SECTION

SECTION 27 60 00

COMMUNICATIONS WIRE, CABLE, AND RACEWAY

PART 1 - GENERAL

1.1 SUMMARY

This Section describes the requirements for wire, cable and cable management for the VMS Display Upgrade Contract.

A. Existing Cable System

1. MTS has a copper and fiber optic cable system on the Orange, Blue, and Green Lines of the existing rail transit system, which is used for transport of data, video, and audio traffic among stations and the Control Center. This system, called the “Existing Cable System” in this Section, is not a part of the Project. To the maximum extent possible the Contractor shall integrate with this cable system to tie new VMS displays installed at MTS platforms with the existing MTS rail systems network as shown in the Contract Drawings and described in this Section. Services provided using this System include high speed IP networking. The Contractor should assume that no outages will be allowed on this network.

B. Communications Wire and Cable System

1. The Contractor shall provide power and data connections using existing cabling at stations, and in some cases where cabling is defective or insufficient, to integrate with the existing Cable System. Cabling utilized and/or installed by this Contract shall be integrated into the existing Cable System to create the logical configuration shown in the Contract Drawings. The Contractor shall install any new cable as shown on the Contract Drawings and specified below to meet the requirements.

2. The Contractor shall utilize existing data and power cable wherever possible unless otherwise noted. Contractor shall determine that existing cabling is sufficient and performs to standard levels for new VMS displays.

3. The Contractor shall furnish, install, and test new cabling in cases where existing cable is defective or insufficient for the VMS Display Upgrade project, or when eliminating a power or network daisy chain. New cabling shall be furnished for the entire run from the communications cabinet to the VMS display in such cases.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 REFERENCES AND STANDARDS

Products and workmanship in this Section shall conform to the latest revision of the following standards:

A. American Society for Testing and Materials (ASTM) D1248

B. Rural Electrification Association (REA) PE-39

C. National Building Industry Consulting Service International, Telecommunications Distribution Methods Manual (BICSI TDMM)

D. Administration Standard for the Telecommunications Infrastructure of Commercial Buildings (ANSI/TIA/EIA-606)

E. REA PE-90

F. Insulated Cable Engineer's Association (ICEA) S-19-81

G. National Electrical Code (NEC) (NFPA 70)

H. Institute of Electrical and Electronic Engineer's (IEEE) 802.3

I. Underwriters Laboratories (UL) Type CATVR

J. Commercial Building Telecommunications Cable Standard (ANSI/TIA/EIA 568)

K. Telcordia GR-326

L. Telcordia GR-20, Issue 2

M. Telecommunications Industry Association

1. TIA-455-82B FOTP 82-B Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable

2. TIA/EIA-607

3. TIA/EIA-569

N. MIL-HDBK-419A

1.4 QUALITY ASSURANCE

Quality assurance planning, implementation and reporting shall be in conformance with MTS requirements, except as modified herein.

1.5 SUBMITTALS

Submittals shall be in conformance with SECTION 27 85 00 COMMUNICATIONS SYSTEM DOCUMENTS, except as modified herein.

PART 2 - PRODUCTS

2.1 GENERAL

A. Major subsystem cabling requirements shall include, but not limited to, the below:

1. VMS Display Data – CAT6 or single mode fiber optic cable.

2. VMS Display Power source circuits for the above – Minimum 8-AWG; size and provide wiring per most current NEC requirements.

B. Other requirements to make new VMS displays fully functional shall be provided by the Contractor.

2.2 WIRE

A. Wire shall be UL listed for the location and application used.

B. Copper conductors shall be soft or annealed copper complying with ASTM B3.

C. Wiring for power circuits shall be No. 8 AWG or larger stranded conductor as required to meet voltage drop requirements. Size No. 10 AWG and larger shall be ASTM B8, Class B stranded.

D. Data/Ethernet circuits shall be:

1. Single mode fiber optic cable for Ethernet connections that are longer than 300 feet from network switch to VMS network port.

2. Category 6 cable for cable runs of less than 300 feet from network switch to VMS network port.

2.3 CABLES

A. General Material and Workmanship – All cables shall meet the following material and workmanship requirements:

1. Be of the highest quality assuring durability for a 40 year design life.

2. Outdoor cables shall be suitable for both wet and dry installations.

3. Except where specified otherwise, the outer jacket of all outdoor cables shall be made of extruded, black, low-density, high molecular weight polyethylene capable of meeting material Type I, Class C, Category 5, Grade E5 of ASTM D1248.

4. Each length of cable shall be permanently identified as to the manufacturer and year of manufacture at not less than 30-inch intervals.

5. Each length of outdoor cable shall be permanently marked with footage numbers embossed into the outer jacket at a minimum of 24-inch intervals.

6. All cables installed indoors, and not in continuous enclosed raceway to within 25 feet of its termination, shall be plenum rated.

7. Copper cables entering a room, house, or cabinet shall be terminated on terminal blocks or panels with lightning and surge protection.

8. Tensile strength of each cable shall be appropriate to the installation location and run length of the cable. For outdoor cables, cable pulling calculations shall be forwarded to the Project Manager for review and approval.

9. Cables shall be furnished in lengths suited to installation requirements developed by the Contractor.

10. All cables shall be shipped on reels adequately protected from damage in shipment by heavy wrapping or wood lagging.

11. All cables shall be identified whenever they enter and whenever they leave a junction box, manhole, handhole, pull box, housing or enclosure, and at all terminals. Marking shall be by permanent non-conducting marking tags fastened securely to the cable. Tags shall be white vinyl plastic with black lettering, protected with a 0.005-inch clear overlaminate. Minimum thickness shall be 0.020 inches. All corners of the tags shall be rounded to approximately 1/8-inch radius. Lettering shall be a minimum 1/8 inch high with minimum 3/32 inch spacing between lines. Tags shall be connected to the cable with pre-tied nylon cord loops.

12. Cable labeling and administration shall conform to the Project Manager's Approved scheme.

13. For cable pulling, each length of cable shall be wound on a separate reel.

14. The diameter of each reel drum shall be a minimum of 15 times the cable diameter or per the cable manufacturer's recommendation, whichever is greater, to prevent cable damage during reeling.

15. Mid-span splices in fiber optic or copper cables/conductors will not be permitted.

16. Cable ends shall be sealed to prevent moisture incursion and shall be tightly fastened so they will not loosen during transit.

17. For outdoor cables shipping, storage, and operating temperature range shall be -40 degrees Celsius to +70 degrees Celsius. The installation temperature range of outdoor cables shall be -30 degrees Celsius to +70 degrees Celsius.

18. Each cable reel shall be clearly identified on the outside flange with the following information:

    a. Manufacturer's name

    b. Cable length

    c. Number of conductors/pairs/fibers

    d. Conductor gauge

    e. Name, address, and phone number of consignee

2.4 FIBER OPTIC CABLES

A. Connectors shall comply with Telcordia GR-326.

B. Splicing in manholes or handholes is not allowed unless specifically requested in this Section. Where required, enclosures specifically manufactured for installation in manholes shall be used.

C. Exposed indoor, and all outdoor, fiber optic cable shall be installed in orange innerduct specifically manufactured for that purpose. The indoor innerduct shall be plenum rated.

D. Innerduct shall be racked, coupled and labeled through all manholes.

E. Innerduct sealing plugs, specifically manufactured for that purpose, shall be installed. Sealing plugs shall fit around fiber optic cables and prevent the cables from recoiling into the duct.

2.5 OUTDOOR FIBER OPTIC CABLE

A. Outdoor fiber optic-cable shall meet the below additional requirements:

1. The Contractor shall furnish, install, test, and document all outdoor fiber optic cables and related components as required to provide a fully functional outdoor fiber optic cable plant. This cable plant shall include the cables, all splices, and splice cases.

B. Rugged Outdoor fiber optic cable shall meet the below requirements:

1. Meet or exceed the requirements of REA PE-90
2. Have a dielectric central member. The dielectric member shall be overcoated with black colored thermoplastic
3. Cable shall be completely dielectric to provide complete electrical isolation along the length of the cable
4. Cable shall have double black polyethylene jackets separated by water blocking yarns for mechanical protection
5. Be gel-filled have water-blocking tape to prevent moisture incursion
6. Have a tensile strength of 600 pounds, minimum
7. Wherever terminated or spliced be connectorized and supported in a cabinet or splice enclosure
8. Be designed to be moisture resistant, dust resistant and gas tight
9. Be installed in loose buffer tube filled with a non-hygroscopic, non-nutritive to fungus, electrically non-conductive, homogenous gel. The gel shall be free from dirt and foreign matter. The gel shall be readily removable with conventional nontoxic solvents
10. Fibers shall be colored with ultraviolet curable inks adhering to color coding of TIA/EIA-598-A
11. Buffer tube color coding shall adhere to TIA/EIA-598-A
12. Be identical in design and construction, except for color coding
13. Be optimized for wavelength and attenuation per equipment requirements

2.6 OUTDOOR TWISTED-PAIR COPPER CABLE

A. Outdoor twisted-pair copper cable conductors shall be soft or annealed copper per ASTM B8 Class C. The conductors shall be stranded in accordance with ASTM B8 Class B except as modified herein. Direct current resistance of the conductors shall conform to ICEA Standards Publication S-19-81, Paragraph 2.5.2. Cables installed in duct banks or direct buried conduits shall meet the requirements of REA PE-39. The cable core shall be filled with a waterproofing agent and wrapped with a non-hygroscopic core tape. A flooding compound shall be applied over the core and to all surfaces of the shield to resist moisture entry and to inhibit corrosion. Conductor gauge shall be as required for the application

B. All twisted-pair copper cables entering a house, case, enclosure, cabinet or room from outside shall be terminated on a protection block.

C. Circuits shall be terminated on Category 6 termination panels. Each circuit shall be clearly identified at both ends of the circuit.

2.7 CABLE MANAGEMENT

A. Cable management shall be applied to organize cable to minimize tangles and provide a more attractive appearance. The hardware shall be specifically manufactured for that use. Cable management shall provide:

1. Separation of patch cables and building cables
2. Visibility for ports and designation strips
3. Permanent circuit identification for all cables supported and/or terminated
4. Vertical and horizontal routing for patch and distribution cables between racks and equipment mounted to backboard
5. Racks and ties for all manholes to rack cables
6. Segregation of different classes of cables into AC power, DC power, RF, ground and data

B. The power cabling shall be installed in flexible conduits and/or metallic ducts or conduits. Power cabling conduit from the junction box to the parent and child signs shall be 0.5” liquid-tight. Cable management hardware for power cable shall be designed for the class of power and should prevent electromagnetic interference from emanating.

C. Interior cable, wires and patch cords shall be clearly labeled on both ends less than 3 inches from the termination. Cable routing shall be arranged neatly and securely.

D. Inspect all equipment for:

1. Conformance to workmanship standards and practices
2. Conformance to Contract Documents
3. Proper placement, mounting, orientation and mechanical connections
4. Correct and secure wiring and cabling terminations and connections
5. Proper grounding
6. Correct and compete labeling and tagging

E. Conduit system shall be installed according to manufacturer’s instructions.

PART 3 - EXECUTION

3.1 INSTALLATION

A. The cables and related equipment and accessories required by this Section shall be located in communication equipment houses, along the MTS right-of-way, other locations as shown in these Contract Documents, and at locations as required to meet the functional requirements.

B. Fiber optic cable splices shall be placed only in communication equipment houses or equivalent, or in specifically designed enclosures.

C. Cables installed in manholes, handholes, or enclosures shall be securely racked so as not to interfere with the future use of or access to unused conduit. The cable shall be identified as specified in this Section at each manhole, handhole or enclosure.

D. For outdoor fiber-optic cable 50 feet of slack cable shall be installed in the manhole immediately prior to a termination.

E. Firestopping shall be applied wherever cabling penetrates interior fire-rated walls.

F. The time allowed for installation of cable on the existing Corridors shall be restricted in accordance with SECTION 27 02 00 COMMUNICATIONS SYSTEM OVERVIEW. In general these requirements limit work to off-peak and non-revenue hours.

3.2 TESTING

Testing shall be in conformance with SECTION 27 96 00 COMMUNICATIONS SYSTEM TESTING, except as modified herein.

END OF SECTION

SECTION 27 85 00

COMMUNICATIONS SYSTEM DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

This Section describes the requirements for Contractor documents, drawings, and content of submittals for the VMS Display Upgrade Contract.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable, and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 REFERENCES AND STANDARDS

A. ANSI Y1.1 – Abbreviations for Use on Drawings

B. ANSI V32.2 – Graphics Symbols for Electrical and Electronic Diagrams

C. ANSI V32.14 – Graphic Symbols for Logic Diagrams

D. MTS Contract Drawing General Drafting and Design Standards for AutoCAD (MTS Drafting Standards)

1.4 QUALITY ASSURANCE

Quality assurance planning, implementation and reporting shall be in conformance with MTS requirements, except as modified herein.

1.5 SUBMITTALS

A. Contract Document Deliverables

1. A Contract Document Deliverable (CDRL) shall be forwarded to the Project Manager.

2. The CDRL shall list all the documents and drawings required to be submitted by the Contractor.

3. The CDRL is to be updated to reflect the latest submittal and included with each submittal of the Contractor. Included in the update should be the revision number of each submittal, status (Approved, Not Approved, etc., and dates of each submittal).

B. Products that the Contactor is proposing to use that is a duplicate of what has already been used on the MTS system can be submitted for Approval in a table that lists the function, manufacturer, and model number of the product. Note, because a product has been previously used on the MTS system does not obligate the Project Manager to approve its use for the VMS Display Upgrade.

C. Prior to the creation of any written Contractor Document, a style sheet shall be developed by the Contractor specifying the format to be used in the creation of all Contractor Documents. The style sheet shall specify such things as text height, font, paragraph numbering, etc. to be followed in the creation of all written Contractor Documents for the VMS Display Upgrade.

D. Communication house and cabinet names used on Contractor Drawings and Contractor Documentation shall be consistent with the names shown on the Contract Drawings in these Contract Documents.

E. All Contractor Drawings shall be drawn in accordance with the latest version of MTS Drafting Standards.

F. Metric drawing sizes and units of measurement shall not be used on Contractor Drawings or Contractor Documents.

G. All Contractor Documentation and Contractor Drawings shall be in American English.

H. Every Contractor Drawing shall include a complete list of materials and parts lists, including the Contractor's part number, in the upper right-hand corner of the Contractor Drawing, describing all parts or sub-assemblies, including Subcontractor-furnished items, which form a part of the assembly, subassembly or piece depicted.

I. Hardware Design Documents

1. A submittal shall be made by the Contractor for the major subsystems listed below. Required content of the submittal for each subsystem is listed below.

2. If desired, the Contractor can combine subsystem submittals if the requested data is provided by the indicated submittal stage:

a. Variable Message Sign (VMS) System

1) Text describing each element of the VMS System.

2) Block and lower-level diagrams, intended to show each typical configuration.

3) Proposed equipment, identified by manufacturer and model.

4) Cable specification and sources.

5) Depiction of all external physical and mechanical interfaces.

6) Values for all configurable settings.

7) List of all lowest level replaceable units, each with MTBF.

b. Wire and Cable System

1) A description of sequence of installation and procedures to avoid outages to the existing services being provided over the existing fiber-optic cable system.

2) A table listing each cable type, manufacturer, and its intended purpose and location of use.

3) Location of start and end of each run.

4) Maximum pull tension and minimum bending radius of each proposed cable pull.

5) Manufacture information on all cables, connectors, enclosures, splice kits, breakout kits, cleaning agents, terminals, cable management hardware, tags, innerducts and plugs. It shall be clearly identified where each item will be used.

6) Signal and power distance calculations to show cable sizing is correct.

J. Test Documents

1. The Contractor shall develop and submit a test plan for approval. The test plan shall provide an overview of all test activities necessary to fully test the new VMS displays and interface to the existing power and network infrastructure.

   a. The test plan shall describe all phases of testing, such as operational and integrated systems, and shall delineate the specific test procedures that shall be performed for each category, along with sequencing requirements. Each test shall have a unique identifier and shall be depicted on a diagram indicating sequence of testing.

   b. The test plan and procedures shall include a traceability matrix to the specific requirements being proven by the test.

2. The Contractor shall submit comprehensive, specific, and detailed Test Procedures for Approval. Test Procedures shall be a detailed, step-by-step description of the tasks to be done to accomplish the test, along with specific pass/fail criteria. All tests shall use preprinted test report forms specific to the test being performed. Allowable range values and pass/fail criteria shall be given in the test procedure and shown on the preprinted report form for each measurement or observation to be made. Test report forms shall include the following at a minimum.

   a. Test name

   b. Test date

   c. Test personnel

   d. Test conditions

   e. Test equipment serial number and calibration dates

   f. Any problems encountered during the test

   g. Test readings or observations

   h. Pass/fail determination

   i. In case of failures, the disposition of the failed equipment

   j. Failure resolution report for each anomaly

3. A matrix shall be submitted listing every test on all equipment, cable, device, subsystem, etc. that is to be performed. The matrix shall show the pass/fail status of the test and date tested. Once testing starts the matrix is to be updated and submitted monthly.

4. Test reports shall be prepared and submitted for Approval after completion of the test reported. Reports shall include test methods followed, values of all test results, unusual conditions found, resolutions to any problems, certification of passage of the test and copies of all check-off drawings or test sheets used.

5. Copies of all adjustment or setting values shall be forwarded.

K. Contractor Issued for Construction and Shop Drawing Submittals

As a minimum the Contractor shall provide the following types of Contractor Drawings as issued for construction drawings for each site that equipment is to be installed. These Contractor Drawings shall be listed in the CDRL. A separate set of drawings shall be provided for each location that equipment is to be installed. The drawings shall show all information at that location plus information for every device and subsystem to which it is connected. Numbering of Contractor Drawings shall be in accordance with MTS Drafting Standards and shall be forwarded to the Project Manager.

1. Cover sheet, legend, index, general notes, and abbreviations.

2. System-Level Single-Line Drawings showing schematically the VMS System. This drawing is to show each sign and its connection to the network and connection of intermediate and end devices.

3. Station communication node Single-Line Diagram schematically showing the communication subsystem and the interconnections at each single node.

4. Subsystem single-line diagrams depicting the operation of each subsystem.

5. AC and DC single line diagrams schematically showing AC connections and branch circuit wiring.

6. Wiring and connection diagrams showing cable runs and wire terminations to new VMS displays. The connection and interconnection electrical drawings shall indicate all wire connections, terminations, and identification, and shall show nominal voltages, equipment and equipment ratings, currents, frequencies, significant resistance values, and the rating of all loads. Devices shall be labeled identical to the actual device, and their locations on panels shall be shown representative of its actual location. Connection diagrams shall identify each outgoing power and control connection and wire. Interconnection diagrams shall show wiring from the equipment terminal blocks, to external equipment connections, terminal blocks, and devices.

7. Cable schedule identifying all new cables with a unique number. As a minimum size, cable type, function, number of conductors, source, and destination information shall be provided on the schedule.

8. Cable routing plans showing the raceway routing of all new cable runs between communication cabinets and communication station VMS equipment.

9. Installation details for all VMS equipment and associated components.

L. As-Built Contractor Drawings and Information

M. The Contractor shall provide a separate package of As-Built Contractor Documents in an electronic format as specified in MTS Drafting standards for each VMS installation at each station. Each package shall have the types of drawings indicated in “Issued for Construction” above.

N. The Contractor shall provide a cutover plan as specified in SECTION 27 02 00 COMMUNICATIONS SYSTEM OVERVIEW.

O. A complete set of maintenance manuals shall be provided on a device and equipment. The manuals shall provide enough information for MTS maintenance personnel to maintain the

equipment. Manuals shall be provided to MTS in electronic format, including but not limited to PDF.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 27 96 00

COMMUNICATIONS SYSTEM TESTING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes basic testing requirements under this Contract.

B. The Contractor shall:

1. Be responsible for successfully completing all tests required by these Specifications.

2. Provide all test instruments and any other materials, equipment and personnel needed to perform the tests.

3. Be fully responsible for the replacement of all equipment damaged as a result of the tests and shall bear all associated costs.

4. Maintain comprehensive records of all tests.

5. Provide test plans, procedures, records, and reports for The Project Manager's approval.

a. Test plans shall be consistent with MTS requirements and Contractor's plan for cutover of the Communications System.

b. Test procedures shall be comprehensive, specific, and detailed. Test procedures shall be detailed step-by-step description of the work to be done to accomplish this test.

c. All tests shall be preprinted test report forms specific to the test being performed.

1) Allowable value ranges or pass/fail criteria shall be given in the test procedure and shown on the preprinted report form for each measurement or observation to be made.

2) Test report forms shall include (as a minimum) – test name, test date, test personnel, test conditions, test equipment serial numbers and calibration dates, any problems encountered during the test, test readings or observations, and in the case of failures a description of the disposition of the failed equipment.

6. All test procedures shall incorporate industry recognized standards to the greatest extent possible.

C. Test Plan, test procedures and test records shall be submitted for The Project Manager's Approval.

D. MTS reserves the right to:

1. Witness all tests and inspections required by these Specifications.

2. Inspect test records at any time.

3. Perform additional testing, beyond that specified in these Specifications, of any equipment or material at any time to determine conformance with these Specifications. Additional testing by The Project Manager is not to be considered as a replacement for any

Contractor required testing or manufacturer producing materials for the Contract required testing those additional requirements.

E. Inspection and Test Sequence

1. The Contractor shall perform inspections and test for the VMS station subsystem and any associated components. Each of the following steps must be successfully completed before proceeding to the next.

   a. First Article Inspection

   b. Equipment Burn-In

   c. Subsystem Testing in the Field

   d. End-to-End Testing

2. System Integration tests and reliability tests shall follow the successful completion of the above inspections and test.

1.2 RELATED SECTIONS

A. SECTION 27 02 00 – Communications System Overview

B. SECTION 27 45 00 – Communications Variable Message Sign System

C. SECTION 27 60 00 – Communications Wire, Cable and Raceway

D. SECTION 27 85 00 – Communications System Documents

E. SECTION 27 96 00 – Communications System Testing

1.3 QUALITY ASSURANCE

Quality assurance planning, implementation and reporting shall be in conformance with MTS requirements, except as modified herein.

1.4 SUBMITTALS

Submittals shall be in conformance with SECTION 27 85 00 COMMUNICATIONS SYSTEM DOCUMENTS, except as modified herein.

PART 2 - PRODUCTS

Not used

PART 3 - EXECUTION

3.1 INSTALLATION

Pre-installation inspection shall include inspection for:

A. Missing components and parts

B. Correct serial numbers

C. Damage to equipment

D. All installed equipment shall undergo as a minimum, inspections for:

1. Conformance to standards, methods and quality
2. Correct location, positioning, mounting and orientation
3. Damage to equipment
4. Correct and secure external connections
5. Correct and secure routing of cable and wires
6. Correct and secure internal connections
7. Proper Grounding
8. Verification of all configuration data and setting
9. Correct labeling

3.2 INSPECTION AND TESTING

A. First Article Inspections

1. Perform First Article Inspection (FAI) for each subsystem and component that is custom built, custom assembled, or generally not accepted as a commercial off-the-shelf item or assembly.

2. The purpose of each FAI shall be to:

a. Determine, based on inspection, measurement, and basic operation, whether the layout and mechanical aspects of the unit under inspection are consistent with Project Manager approved Contract Drawings, requirements of these Specifications, and other design documentation. Where maintainability, accessibility, safety, status indicators, power indicators and control, and exposure to power connector, are present in the unit, assessment of those maintainability aspects shall be included in the FAI.

b. Determine whether an acceptable level of workmanship that is consistent with approved workmanship standards and practices, is present in the initial copy of the unit under inspection. For wiring, wiring connections, cabling, cable management, labels, tags, or grounding connections, the workmanship standards, practices and procedures associated with the respective element shall be included as part of the FAI.

c. Determine whether an acceptable level of operating and maintenance safety is provided in the initial product submittal.

3. For each subsystem and component, the FAI shall be conducted at the earliest possible time in the manufacturing stage.

4. The Project Manager may request an FAI on any subsystem or component. For those subsystems or components where the Project Manager requires a FAI:

a. Obtain the Project Manager's approval of the level of workmanship deemed to be acceptable.

b. The following, applicable to the subject subsystem or component, shall be available at the time of the FAI:

1) Project Manager approved Contract Drawings and other design documentation

2) Subsystem or component parts list

3) Manufacturing and Quality Assurance inspection records

4) Test Plan and Procedures

5) Tools and staff to make measurements

6) Tools and staff to remove covers and perform limited disassembly

B. Equipment Burn-In

1. A 72-hour burn-in shall be performed for all communications equipment.

C. Field Equipment and Subsystem Testing

1. Perform the following equipment field tests for all installed equipment. Additional field tests for each subsystem, listed in the subsequent paragraphs, shall not be construed to limit, or otherwise relieve the Contractor of the responsibility for performing comprehensive field testing of the following:

a. Perform power-up and diagnostic tests

b. Verify correct operation of all mechanical and electrical controls and interfaces

c. Verify proper operation of all settings, indicators and alarms

d. Verify proper connection to and basic operation of all external interfaces

e. Verify conformance to grounding and power plans

f. Ensure acceptable levels of emitted radiation

g. Basic equipment operation

h. Functional and performance testing

i. Operation in the presence of equipment and software failures

j. Operation in the presence of power failure and restart

2. Subsystem testing shall include:

a. Equipment functional tests shall be performed on all new Visual Message Signs (VMS)

b. Tests for proper local operation

c. Tests to confirm the installed equipment or subsystem meets functional and performance requirements

d. Validation of all data used to configure or operate the subsystem equipment

3. Wire and Cable: The following tests shall be performed at a minimum on new cable provided under this Contract. With exception to fiber optic cable, tests shall be performed before and after installation:

   a. Optical time domain recorder (OTDR) test of all fibers at all optimized wavelengths

   b. Copper cable tests for each pair- loop resistance, balance, capacitance, resistance to shield

   c. Cable shield test to ground

   d. All main power cables that interconnect power systems between facilities such as communications cabinets and station elements shall undergo insulation resistance, or megger, testing.

4. VMS:

   a. Perform power-up and diagnostic tests.

   b. Complete integration test to verify network connectivity with AppSpace. MTS will use AppSpace to display a message on the new GDS sign.

   c. Test the ability of other GDS signs at a platform to continue to operate with the loss of one or more GDS signs. This requirement does not apply to the loss of the parent sign in a parent / child configuration. The child sign is not expected to function without the parent sign.

D. Systems Integration Testing:

1. Conduct System Integration Testing in accordance with Project Manager's requirements.

2. Technical support shall include providing Project Manager, technician, and installation staff as well as tools, appliances, fixtures, expendable materials, supplies and test equipment as needed to perform the System Integration Testing procedures or to develop and implement required corrective actions on the Contractor's elements.

3. This testing shall involve the interaction of the Communications System operating with one or more other sub-systems and will be required through System Final Acceptance.

4. System Integration Testing shall include testing of all communications subsystems. Subsystem integration testing shall include proper remote operation of VMS messaging.

END OF SECTION

BIDDER NAME: _____M J BUILDER _____

BID PRICE FORM - REV. 1

PWL427.0-25 Blue & Green Line - VMS Display Upgrades

LINE NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.	Mobilization	1	LSUM	$ 13,500.00	$ 13,500.00
2.	Construction Progress Schedule	1	LSUM	$ 15,350.00	$ 15,350.00
3.	Electrical and Networking	1	LSUM	$ 112,000.00	$ 112,000.00
4.	Removal and Disposal of Existing VMS Units	1	LSUM	$ 120,000.00	$ 120,000.00
5.	Structural Steel	1	LSUM	$ 108,000.00	$ 108,000.00
6.	Install New Vms Units	1	LSUM	$ 150,000.00	$ 150,000.00
				Grand Total Basis of Award	518,850.00
	Alternate Item	**QUANTITY**			
1.	Alternative 1: Rewiring from VMS to CCTV at Existing Column (See Bid Addendum 1)	40	EA	$ 250.00	$ 10,000.00
				Grand Total Alternate Items	528,850.00

This all-inclusive pricing must include the costs for the bid bond, performance & payment bonds, and insurance. MTS will not pay additional costs, or separate costs for these.

GRAND TOTAL ALTERNATE INCLUDED THE BASIS IS 528,850.00

m J Mahdi

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 9

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Rail Maintenance Program Including Rail Grinding Services – Contract Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWL420.0-25 (in substantially the same format as Attachment A) with Advanced Rail Management Corporation (ARM Corp) for a Rail Maintenance Program Including Rail Grinding Services for five (5) years for $3,885,717.17.

Budget Impact

The total cost of this contract is estimated to be $3,885,717.17 (per Attachment C). The project will be funded by the San Diego Trolley, Inc. (SDTI) Maintenance of Way Operating Budget account 370016-571210.

DISCUSSION:

As part of its overall maintenance and state of good repair program, SDTI needs to implement a new rail maintenance program that includes rail grinding on all open track sections, special trackwork, road crossings, and embedded track sections. Past rail grinding services have yielded improved ride quality and significantly increased the rail life. Proper rail grinding reduces the migration of internal rail defects wheel wear. The alternative to rail maintenance would be rail replacement.

These services would be provided by a third-party contractor. A competitive Request for Proposals (RFP) process was used to identify a contractor to provide technical services for rail maintenance analysis, inclusive of program planning and execution, economic analysis for SDTI's rail maintenance program, and rail grinding as referenced in Attachment B. The program will include analysis of rail wear and profile conditions, as well as recommendations for the management and execution of rail grinding to produce enhanced steering through profile enhancement and defected removal.



On January 17, 2025, a total of two (2) proposals were received and both proposals were deemed responsive and responsible.

Proposer Name	Firm Certification
ARM Corp.	N/A
Loram Maintenance of Way, Inc. (Loram)	N/A

An evaluation committee consisting of representatives from the MTS Finance and SDTI Maintenance of Way (MOW) departments met and scored the proposals based on the following evaluation criteria:

Evaluation Criteria	Total Possible Points
Qualifications of the Firm	25
Staffing, Organization, and Management Plan	20
Work Plan	30
Cost and Price	25
Total	100

The table below represents each Proposer's initial scores and rankings:

Proposer Name	Initial Cost	Technical Score	Cost Score	Total Score (Maximum total score: 100)	Ranking
ARM Corp.	$3,992,644.53	69.67	24.85	94.52	1
Loram	$3,968,634.00	67.00	25.00	92.00	2

Following the initial evaluations, the evaluation committee requested Revised Proposals and sought clarifications on the submitted proposals. The committee met a second time to re-evaluate and re-score the proposals based on the additional information gained. The table below reflects the scores and rankings:

Proposer Name	Initial Cost	Technical Score	Cost Score	Total Score (Maximum total score: 100)	Ranking
ARM Corp.	$3,992,644.53	73.00	24.85	97.85	1
Loram	$3,968,634.00	66.33	25.00	91.33	2

Following the second meeting, MTS requested for a Best and Final Offer (BAFO) from the highest-ranked firm, ARM Corp., which was received on March 11, 2025. The committee met for the final time to re-evaluate and re-score the proposal based on the revised cost.

The table below reflects the final score and ranking:

Proposer Name	Revised Cost	Technical Score	Cost Score	Total Score (Maximum total score: 100)	Ranking
ARM Corp.	$3,885,717.17	73.00	25.00	98.00	1

Based on the objectives of this procurement, consideration of the evaluation criteria and ARM Corp.'s technical and price proposals, the evaluation team determined that ARM Corp. presented the best value proposal to MTS.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. No. PWL420.0-25 (in substantially the same format as Attachment A) with ARM Corp. for a Rail Maintenance Program Including Rail Grinding Services for five (5) years for $3,885,717.17.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olsen, 619.557.4588, mark.olsen@sdmts.com

Attachments: A. Draft Agreement MTS Doc. No. PWL420.0-25
B. Scope of Work/Technical Specifications
C. Cost Form

Metropolitan Transit System

STANDARD AGREEMENT

FOR

MTS DOC. NO. PWL420.0-25

RAIL MAINTENANCE PROGRAM INCLUDING RAIL GRINDING SERVICES

THIS AGREEMENT is entered into this _____ day of _____, 2025 in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: Advanced Rail Management Corporation Address: 7901 4th St N #16779

St. Petersburg FL 33702
City State Zip

Form of Business: Corporation
(Corporation, Partnership, Sole Proprietor, etc.)

Email: asohasky@global-rail-group.com

Telephone: 231-590-9178

Authorized person to sign contracts

Adam Sohasky — Name
General Manager — Title

The Contractor agrees to provide services as specified in the conformed Scope of Work/Technical Specification (Exhibit A), Contractor's Cost/Pricing Form (Exhibit B), and in accordance with the Standard Agreement, including Standard Conditions (Exhibit C), Federal Requirements (Exhibit D), and Forms (Exhibit E).

The contract term is for five (5) years effective May 5, 2025 through May 4, 2030.

Payment terms shall be net 30 days from invoice date. The total cost of this contract shall not exceed $3,885,717.17 without the express written consent of MTS.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	ADVANCED RAIL MANAGEMENT CORPORATION
By: _____ Sharon Cooney, Chief Executive Officer	By _____
Approved as to form:	
By: _____ Karen Landers, General Counsel	Title: _____

DRAFT

SCOPE OF WORK/TECHNICAL SPECIFICATIONS

1. GENERAL

The San Diego Metropolitan Transit System (MTS) is seeking to award a five (5) year contract for the development and operation of a long-term rail maintenance program, which includes profile rail grinding on all open track sections, as well as customized grinding on all special track work, road crossings, and embedded track sections.

2. MTS OPERATES THREE LIGHT RAIL ROUTES

i. Blue Line-South:

The Blue Line-South runs on a generally north-south direction and entered service in 1981. It consists of approximately 32 track miles of 115-lb rail, double track interspersed with single tracks in certain areas. The service is from the San Ysidro Station adjacent to the international border between Mexico and the United States to America Plaza in downtown San Diego and includes paved segments totaling some 1.25 miles along C Street, from America Plaza to 12th Avenue.

ii. Orange Line:

The Orange Line runs in a general east-west direction and is approximately 36 track miles long, double track, of 115-lb rail from the El Cajon Station to Santa Fe Station. Between Santa Fe Station and the Imperial Avenue Transit Station the Orange Line shares the Blue Line tracks. The Orange Line entered into revenue service in the segments listed below:

- Imperial Avenue Transit Station to Euclid Station: 1989
- Euclid Station to Spring Street Station: 1990
- Spring Street Station to El Cajon Transit Station: 1992
- El Cajon Transit Station to Santee: 1995

iii. Green Line:

The Green Line also runs on an east-west direction with approximately 48 track miles of 115-lb rail from the 12th Imperial Terminal to Santee Station (including 2.25 miles of paved segments on the Bayside Line). From Baltimore Junction (East Line MP 13.00) to El Cajon Transit Center the track is co-shared between the Orange Line and the Green Line.

iv. Blue Line-North:

The Blue Line-Nouth runs on a generally north-south direction and entered service in 2022. It consists of approximately 22 track miles of 115-lb rail. The service is from the San Diego River bridge to University Town Center Station in La Jolla.

3. DESCRIPTION OF THE PROPERTY

i. Track:

Main Lines: Ballasted track on wood ties or concrete ties; track through downtown San Diego is embedded in asphalt and concrete

Intersections:	Track in street crossings is either embedded in asphalt, concrete or ballasted track with concrete paneling
Special:	Various system of direct fixation is used in selected locations
Curves:	Minimum horizontal radius: 82 ft. Minimum vertical radius: 1,660 ft.
Super elevation:	6 inch maximum
Grade:	4.2% maximum

ii. Rail:

Main Line:	90 RA 115 RE Single or double restraining rail is used in curves with a radius of less than 900 ft. and other restricted areas.
Switches:	No. 6 through No. 20
Main Line:	Timber ties 7-inch x 9 inches x 8 feet Concrete ties 6-inch x 10 inches x 9 feet Longer timber ties in other specific areas such as switches and crossovers.

iii. Electrification:

The entire system is electrified with an overhead system, either single contact wire, or catenary. Power return is through the running rails.

Voltage:	650 VDC nominal, up to 900 VDC maximum
Wire Height:	12 ft. minimum above top of rail 22 ft. maximum above top of rail

NOTE: The overhead system is to be considered energized at all times

4. AVAILABILITY OF THE PROPERTY FOR GRINDING

MTS Trolley operates revenue service for twenty-one-and-a-half (21 ½) hours daily. Service runs from 4:00 AM of one day to 1:30 AM of the following day, seven days a week. All Grinding shall be performed so as not to interfere with revenue service on the adjacent track or beyond the limits of the defined work area.

The rail grinding shall be performed during an approved work window, within a defined area, of approximately four hours per day, generally between 12 midnight and 4:00 AM hours on weekdays, and 12 midnight and 5:00 AM on weekends. This time allowance may vary depending on the designated location of a grind. The time of availability may also be adjusted by MTS to allow it to accommodate additional operating requirements.

MTS will turn off rail lubricators off for a minimum of two weeks prior to rail grinding. Contractor will give MTS notice of planned work so that MTS can plan accordingly.

No work by personnel or equipment shall be performed within ten feet of the centerline of any operating trolley track during operating hours without appropriate notification and protection of a flagger. If any such work is planned within these zones, Contractor must notify MTS by not less than 48 hours prior to performing such work. Flagging and/or switch tending will be provided by MTS to the Contractor at no cost, provided the required deadline for advance notification is met. If the Contractor's plans change Contractor shall notify MTS by not less than 12 hours prior to the prescheduled operation. If the Contractor neglects to notify MTS of its planned work by the required notification deadline, all costs incurred by MTS' in provision of flaggers or switch tenders to the Contractor shall be charged to the Contractor. The Contractor will not be assessed flagging expenses when planned work is not performed due to conditions beyond Contractor's control.

Contractor will include an equipment failure contingency plan that will describe the process for the removal of failed test equipment from the MTS mainline track in a manner that will not result in any service delay. It is the MTS' intent for this plan to be submitted by the Contractor for MTS review and approval prior to the Contractor submitting a request for a work window for rail grinding.

Similarly, Contractor will include in its equipment failure contingency plan the process by which it will ensure that rail grinding services are restored quickly and efficiently so as to guarantee that MTS will not suffer any harm as a result of uncompleted rail grinding due to failure of equipment. Contractor will also include a plan for recovery from other foreseeable delays not necessarily induced by equipment failures.

Grinding shall be performed only by experienced and qualified personnel and shall follow the requirements of the California Public Utilities Commission (CPUC) General Order 143-B, and the American Railroad Engineering and Maintenance Association (AREMA) Manual for Railway Engineering.

The contractor shall comply with all applicable Federal, State, and local regulatory requirements, and is responsible to obtain any and all required permits.

5. CONTRACTOR

The successful Contractor will provide technical services for rail maintenance analysis and production, rail grinding, inclusive of program planning, program execution, and economic analysis for SDTI's annual and long-term rail maintenance program. The program will include analysis of rail wear and profile conditions, as well as recommendations for the management and execution of rail grinding to produce enhanced steering through profile enhancement and defect removal.

The Contractor will provide rail maintenance analysis and grinding for the main tracks in the entire SDTI system every year. The amount of funds available each fiscal year varies and may not be sufficient to perform all grinding recommended by the Contractor.

The Contractor will provide a combination of technical expertise and a Rail Grinding Specialist (RGS), to apply the best available rail grinding practices technology in performing the services.

6. TECHNICAL EXPERTISE AND PROFICIENCY

The RGS will have a working knowledge of the industry standards associated with rail grinding, providing SDTI with the ability to cross-reference and evaluate rail grinding techniques and applications. The RGS will be familiar with industry issues associated with rail grinding and understand rail grinding programs and similar development on other rail carriers. The RGS must be responsive and effectively provide support to SDTI staff in all areas of rail grinding.

The RGS will possess proven ability to associate recommendations and program planning consistent with recommendations of the AREMA, Federal Railroad Administration (FRA), CPUC, MTS and other applicable local, state, and regulatory agencies.

The RGS will also be familiar with issues associated with commuter rail systems and demonstrate the ability to have previously developed successful production rail grinding programs.

7. THE RGS, WITH SUPPORT FROM THE CONTRACTOR'S TECHNICAL SUPPORT TEAM SHALL:

i. Identify a preferred rail grinding template or templates by evaluating current rail conditions.

ii. Recommend design modifications for rail profile to improve the ride quality, steering characteristics, and reduce noise levels.

iii. Determine the status of rail profile in track and the rail grinding requirements to modify the rail to desired profile specifications.

iv. Use proven and efficient application of industry rail grinding practices to maximize the use of SDTI's capital funds and optimize the use of its current rail infrastructure.

v. Plan and program the application of production rail grinding, so that any impact on the current SDTI operations is minimized and the in use of its infrastructure and resources are optimized.

8. CONTRACTOR'S RESPONSIBILITIES FOR EQUIPMENT AND FACILITIES

i. Contractor shall maintain and keep its equipment in good order (in particular the water sprinkler and fire control nozzles and apparatus). Repair and use same in grinding the rails for the tracks, at such points as SDTI shall designate.

ii. Contractor shall see that the grinding apparatus when not in operation shall conform to the clearance requirements of SDTI. It is the Contractor's responsibility to guard and protect said apparatus when not in use.

9. TRAINING REQUIREMENTS

Contractor shall provide, administer, and maintain their training programs, which address all required safety aspects to ensure qualified and trained personnel. The training programs shall be consistent with the objectives of providing the highest quality service to the public, with the policies of and in the best interest of SDTI. Training shall be in accordance with all, applicable federal, state local laws, and regulations and requirements. The training programs shall be designed to ensure that all personnel are qualified to perform the functions necessary for their positions.

Completion of Roadway Workers Protection (RWP) Training is mandatory for all personnel. Please refer to Section 7.44 for additional details.

10. SUMMARY OF RAIL GRINDING PROGRAM DELIVERABLES

a. System Pre-Grind Rail Report for review by SDTI. This report will contain rail profile information for pre-grind analysis and will clearly define rail profile conditions on curves and tangents. The report will be a database report formatted to compare existing rail data (weight, age, existing rail profile, head loss) with historical and current information. Report to include a prioritized five (5) year rail grinding program, based on profile of existing rail, comparing current profile measurement, and historical rail profile. Data for rail wear, tonnage, and defect histories to be included as available.

b. Recommendations for grinding based on an analysis of the system report and in correlation with actual infrastructure locations.

   Recommendations will include rail grind profiles (templates):
   - Grinding rates.
   - Specific work plan based on track feet, grind hours, operational evaluation, and equipment grinding application.

c. Rail grinding services that include providing and executing the rail-grinding program based on the pre-grind analysis and agreed work of Contractor-operated or subcontractor grinding services. It will also include management of the rail grinding application, documentation, and measurement of the completed grinding process for payment and program evaluation. Services will include training SDTI personnel in both practical and technical applications of the rail-grinding programs.

d. System Post-Grind Rail Report that analyzes and documents real-time and field data for only those areas ground in the annual program. Report to be a database report formatted to integrate the pre-grind database and other SDTI system track data.

11. SYSTEM PRE-GRIND RAIL REPORT

The rail grinding Contractor, under this contract, will provide a rail maintenance analysis and existing conditions report. Report shall include a printable database and rail profile image, based on technical data that pertains to:

a. Optical rail measurement data:
   - Minimum of 2 points on curves.
   - Minimum of 0.5-mile points on tangents.
   - Database image of rail profile.
   - Rail trend wear analysis for rail classification and gage face wear limits.

b. Inclusive of:
   - Age of rail.
   - Year laid.
   - Last grinding date.
   - Distance to nearest east and west rail flange lubricator.
   - Radius differential evaluation.

c. Five (5) year prioritized annual rail grinding program:

The Contractor will also identify skill requirements and train SDTI staff to use database information consistent with the pre-grind report to support the rail grinding program and provide licensing for software if applicable and shall be all-inclusive in the price.

12. RECOMMENDATIONS FOR GRINDING

The RGS will be required to develop a rail grinding production work plan. The plan will include grinding locations, recommended profiles, grinding passes, and speed. The plan will also include a proposed grinding schedule coordinated with corridor stakeholders, train operations, and grinding locations. Plan should provide dates, time, and duration, and will identify SDTI resource requirements for flag protection and/or grinding support. The RGS will be required to:

i. Develop recommendations for:
   a. Grinding pattern selection.
   b. Grinding templates.
   c. Defect development control.
   d. Gage corner fatigue control.
   e. Surface fatigue control.
   f. Corrugation control.

ii. Recommend rail grinding equipment application for:
   a. Production grinding train consist.
   b. Spot grinding equipment consist.
   c. Grinding support equipment.
   d. Grinding stone specifications.
   e. Imbedded rail grinding.
   f. Switch grinding.

iii. Schedule production rail grinding to:
   a. Determine production-grinding rates.
   b. Integrate grinding program with ongoing train operations.
   c. Plan for SDTI support and flag personnel.

iv. Schedule spot rail grinding to:
   a. Determine locations for spot grinding and grind rate.
   b. Integrate spot grinding program with production grinding program and ongoing train operations.

v. Plan for SDTI support and flag personnel.

vi. Provide methodology for measurement of actual rail ground based on production rail grinding schedule.

13. RAIL GRINDING SERVICES

The Contractor will provide the rail grinding services necessary to perform both spot and production rail grinding, as set forth in the rail-grinding program developed by its RGS and authorized by SDTI Project Manager or designee.

14. MINIMUM PRODUCTION GRINDING TRAIN/EQUIPMENT REQUIREMENTS

i. Computer-based technology for grind pattern control.

ii. Automated motor positioning grinding heads.

iii. Minimum of 16 motors not less than 30 hp per motor.

iv. Travel locks for all work heads.

v. Travel at a minimum 30 mph for on-track machine and 20 mph for hi-rail machine with all grinding equipment locked clear.

vi. Comply with all state, local, municipal, and federal environmental codes.

vii. Equipment must have a dust-collection system capable of removing sufficient materials to be able to pass applicable government clean air regulations.

viii. Self-contained and propelled equipment capable of grinding at speeds between 1.5 and 8 mph.

ix. Bi-directional operation.

x. Sequencing grinding head control to clear obstructions.

xi. Production grinding train with fully adjustable and automated grinding head control to accommodate multiple grinding patterns and have the ability to grind only those areas required.

xii. Operator and/or computer-controlled grind-head configuration and adjustment to adjust profile in tangent-to-curve grinding situations.

xiii. Ability to perform production rail grinding on track with up to 12° curves and 4.2% grades.

xiv. Fire suppression equipment (tie sprayers and water cannon) to meet requirements for right-of-way protection during grinding operations.

xv. Grinding equipment that fits within the clearance envelope of the AAR Plate C for equipment used in the joint Freight and LRT corridors.

xvi. Grinding equipment operating in LRT only corridors must not exceed 13 feet from top of rail in height and 8 feet 11 inches in width.

xvii. On-board mobile radio equipment for communication with SDTI dispatchers and emergency response equipment.

xviii. Equipment lighting to meet minimum operating standards for night rail travel and work, including all necessary safety and warning lights and sound devices.

xix. Maximum axle load of 75,000 lbs.

xx. Brake system that complies with AAR regulations.

xxi. Provisions for emergency coupling at either end of equipment to allow equipment removal in case of operational failure.

15. Minimum Spot Grinding Equipment Requirements

i. The equipment must have a nominal configuration of 16 stones, capable of creating 8 unique facets on each rail or the equivalent capability with fewer stones and alternate technology.

ii. Equipment will meet or exceed all safety, operational, regulatory, and travel speed requirements, unless otherwise noted, as set forth in the production grinding equipment requirements.

iii. Grinding unit must have the ability to travel at a minimum of 20 mph and work at a speed of 1 to 6 mph on up to 4.2% grades.

iv. The unit must be capable of grinding a variety of profiling and reencountering patterns depending on varying rail wear conditions. Such pattern changes and adjustments should be made instantly from an onboard central control center.

v. Grinding equipment must be capable of storing at least 10 of the railways patterns and unit must be able to grind two different patterns in parallel.

vi. The unit must be capable of grinding any of at least 4 optimal rail shapes.

vii. Metal removal rates must not vary more than 25% between rail with hardness ranging from 280 to 380 bhn.

viii. Ridges left by grinding facets must not be so sharp as to result in the development of flow lines or spalling at edge of contact bands.

ix. The unit must be equipped with selective vertical stability control.

x. Grinding motor load control must be manually selected and automatically maintained.

xi. Grinding carriages must be capable of being raised and lowered on curved track and locked into position.

xii. The grinding equipment must be capable of removing sufficient metal in 3 passes to meet the equivalency of a single pass.

xiii. Grinding equipment must be capable of grinding for two hours while incurring no inoperative motors. At no time will grinding equipment be permitted to operate with more than five (5) percent of the motors drawing less than 16 amps. At no time will more than five (5) percent of the motors be inoperative.

xiv. Grinding motors must be 100% operational at the start of each shift.

xv. All grinding patterns must be balanced and may not change with curve elevation, or track gauge.

xvi. The unit must be capable of automatic lateral positioning to allow grinding at angles of up to 45 degrees to field and gauge within a flangeway clearance of 1.75 inches on at least 25% of all motors.

The above requirements for spot and production grinding are a minimum only. The grinding Contractor and the RGS may recommend advanced grinding equipment that exceeds these minimum requirements.

16. SYSTEM POST-GRIND RAIL REPORT

The RGS, under this contract, will provide the following database information and tools (software) when presenting the cost evaluation for rail grinding program planning and execution, so that SDTI can clearly understand and review areas where the rail grinding was performed:

i. Rail grinding program cost.

ii. Payment verification for rail grinding services.

iii. Rail grinding program benefits.

iv. Rail grinding program cost impacts for annual and long-term programs.

v. Savings associated with rail grinding application.

vi. Final rail profiles at points to correspond to the pre-grind report.

vii. Revisions (if any) on pre-grind rail report recommendations for rail replacement.

17. SPOT AND PRODUCTION GRINDING OPERATIONAL LIMITATIONS

i. Maximum equipment consists cannot exceed 1,000 feet in total length due to storage capacity limitations.

ii. Production operation will be restricted to nighttime hours only.

iii. A maximum of 30 on-track hours will be available per week.

iv. Production grinding to be performed during January, February, March, and April.

18. SERVICES PROVIDED BY SDTI

SDTI shall provide:

i. Proper and adequate flagging protection at all times, not only on the track being worked but also on adjacent tracks, as is deemed necessary.

ii. From the delivery point on the line of SDTI to the location of the rail grinding operations transportation and/or piloting of the Contractor's equipment together with all parts, materials, and supplies required by the Contractor for each rail grinding program.

iii. Water as may be required by the Contractor for the operation of its fire protection system, water to be furnished in one or more tanks or tank cars with a capacity of 8,000 to 20,000 gallons. The tank cars to be furnished by the Contractor.

iv. Layover storage in safe and suitable area. This area should be accessible by truck for delivery of supplies and/or repairs, for the Contractor's grinding apparatus and accessory equipment; during such periods of time as said rail grinding apparatus and accessory equipment is inoperative on the lines of SDTI in connection with the program work. In addition, for a period not the exceed ninety (90) days upon completion of each rail grinding program on the lines of the SDTI.

v. Maintenance of Way Inspector and crew to assist in control of burning ties and small fires, with water truck.

19. EVALUATION OF OPTIMUM WHEEL AND RAIL INTERFACE

A. Objective

Conduct a comprehensive rail profile study for optimum wheel and rail interface.

B. Deliverables

I. Rail Profile Analysis
   a. Measure rail profiles using appropriate techniques and tools.
   b. Analyze wear patterns.

II. LRV Wheel Analysis
   a. Measure Light Rail Vehicle (LRV) wheels before and after truing.
   b. Assess wheel-to-rail interaction based on measurements.

III. Train Fleet Evaluation
   a. Account for all train types operating in the MTS system.
   b. Evaluate compatibility and performance with current rail profiles.

C. Specifications

I. Use data and methodologies consistent with those applied in ATT 3.
II. Provide a summary report detailing findings, methodology, and recommendations for system optimization.

20. REFUELING

MTS will handle refueling.

MTS shall record fuel levels and odometer readings upon the vehicle's arrival at and departure from the site.

21. WASTE GENERATED

The proposer shall be responsible for legally disposing of any and all waste in relation to the work. The proposer shall not use any MTS receptacles to dispose of material generated during the performance of this contract. Proposer shall be responsible for general cleanup at the end of each work day and the proposer is to perform a final clean to meet the current condition and cleanliness of the on-site paving.

It is assumed that there will be waste generated from grinding activities, proposer shall collect the grinding waste, store and dispose of it according to local, state and federal waste management standards.

22. INVOICES

Invoices must be sent to the MTS Accounting Department, via email, at ap@sdmts.com. All invoices must have the Purchase Order and contract number clearly displayed to ensure timely payment. MTS will not pay on packing slips, receiving documents, delivery documents, or other similar documents. Invoices must be submitted for payment.

Payment terms shall be net 30 days from invoice date.

Contractors must also indicate if any of the invoiced amount(s) is for service or work provided by a subcontractor and indicate the amount that will be paid to the subcontractor. Contractors must also comply with the prompt payment requirements in the *Prompt Progress Payments* section of the Standard Conditions.

23. [NOT APPLICABLE] CONTRACTOR'S INFORMATION SECURITY RESPONSIBILITIES

24. [NOT APPLICABLE] BUY AMERICA

5.10.1. [NOT APPLICABLE] CONSTRUCTION MATERIALS

5.10.2. [NOT APPLICABLE] MANUFACTURED PRODUCT

5.10.3. [NOT APPLICABLE] ROLLING STOCK

5.10.4. [NOT APPLICABLE] IRON OR STEEL

25. [NOT APPLICABLE] SAFETY DATA SHEETS (SDS)

26. NO RIGHT TO POST SIGNS

The Contractor shall not post or otherwise affix signs, decals or other media on MTS property or equipment, except as required to maintain safety during the course of repair or maintenance work. No permanent signs, decals, or other media may be installed without MTS's express written permission.

27. [NOT APPLICABLE] REPLACEMENT PARTS

28. [NOT APPLICABLE] DELIVERY AND ACCEPTANCE

29. [NOT APPLICABLE] EXPEDITING

30. [NOT APPLICABLE] ACQUISITION OF ROLLING STOCK

ATT 1 - BAFO

PWL420.0-25 Rail Maintenance Program Including Rail Grinding Services

		Year 1		Year 2			Year 3		
Description	Qty	Unit Cost	Extended Total	Qty	Unit Cost	Extended Total	Qty	Unit Cost	Extended Total
Rail Grinding (per shift)	25	22,790.00	569,750.00	25	22,790.00	569,750.00	25	24,500.00	612,500.00
Mobilization/Transportation Cost	1	55,000.00	55,000.00	1	55,000.00	55,000.00	1	55,000.00	55,000.00
Rail Inspection and Grinding Plan	1	91,771.00	91,771.00	0		0.00	0		0.00
Survey Before and After Grinding	1	58,021.00	58,021.00	1	58,021.00	58,021.00	1	58,021.00	58,021.00
Standby Hourly Rate (up to 12 hours)	12	1,614.29	19,371.52	12	1,614.29	19,371.52	12	1,735.45	20,825.38
Evaluation of Optimum Wheel and Rail Interface	1	58,851.00	58,851.00	0		0.00	0		0.00
Annual Total			**852,764.52**			**702,142.52**			**746,346.38**

		Year 4		Year 5			Spot Grinder		
Description	Qty	Unit Cost	Extended Total	Qty	Unit Cost	Extended Total	Qty	Unit Cost	Extended Total
Rail Grinding (per shift)	25	24,500.00	612,500.00	25	24,500.00	612,500.00	25	17,000.00	425,000.00
Mobilization/Transportation Cost	1	55,000.00	55,000.00	1	55,000.00	55,000.00	1	95,000.00	95,000.00
Rail Inspection and Grinding Plan	0		0.00	1	91,771.00	91,771.00	0		
Survey Before and After Grinding	1	58,021.00	58,021.00	1	58,021.00	58,021.00	0		
Standby Hourly Rate (up to 12 hours)	12	1,735.45	20,825.38	12	1,735.45	20,825.38	12	2,125.00	25,500.00
Evaluation of Optimum Wheel and Rail Interface	0		0.00	0		0.00	0		0.00
Annual Total			**746,346.38**			**838,117.38**			**545,500.00**

This may be in lieu of a Year.

Annual Total Summary

Total Year 1	$	852,764.52
Total Year 2	$	702,142.52
Total Year 3	$	746,346.38
Total Year 4	$	746,346.38
Total Year 5	$	838,117.38
CONTRACT TOTAL	**$**	**3,885,717.17**

Costs must be all-inclusive of requirements to perform all the work described in the scope of services. MTS will not pay additional costs.
Quantities displayed on the bid form are for proposal purposes only. They represent what MTS anticipates, but are not guaranteed. The actual quantities may be more or less than anticipated, and are dictated by MTS's actual needs and available funding.
Proposer accepts responsibility for accuracy and presentation of the above numbers.
Proposers must complete the forms as provided. Failure to do so may deem the proposal non-responsive.

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 10

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Radio Airtime and Maintenance – Contract Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. G2947.0-25 (in substantially the same format as Attachment A), with Mobile Relay Associates, for Radio Airtime and Maintenance services for a three (3) year base term with two (2) option years, for a total of $706,479.26.

Budget Impact

The total contract cost is estimated to be $706,479.26 (Attachment C). This project is funded by the ADA Access Operating Budget account 850012-571250. The costs are summarized below:

TERM	AMOUNT
YEAR 1	$127,872.00
YEAR 2	$134,976.00
YEAR 3	$141,765.60
Subtotal	**$404,613.60**
OPTION YEAR 1	$147,845.45
OPTION YEAR 2	$154,020.21
Subtotal	**$301,865.66**
GRAND TOTAL	**$706,479.26**

DISCUSSION:

MTS currently utilizes a third-party vendor radio service for its Americans with Disabilities Act (ADA) Paratransit service (Access). This service includes installed mobile radios on fleet vehicles, portable radios for supervisory functions, and a base radio workstation for dispatching functions. The MTS Access operation is looking to continue its current paratransit service two-way radio inventory, accessories, and lease of radio service airtime as the current contract is set to expire.



On November 19, 2024, MTS issued a Request for Proposals (RFP) for qualified proposers to provide Radio Airtime and Maintenance. MTS received one (1) proposal on the due date of January 6, 2025, from the following:

Proposer	Firm Certification
Mobile Relay Associates	N/A

To confirm the solicitation was not unduly restrictive, MTS conducted a post-proposal survey with prospective proposers requesting their reason(s) for not proposing. MTS did not receive any responses. Staff then determined that neither the RFP nor MTS's procurement process played a role in their decision not to participate, and staff proceeded as a competitive solicitation.

On January 27, 2025, an evaluation committee consisting of representatives from MTS Bus - Paratransit and Finance met and scored the proposal based on the following evaluation criteria:

Qualifications of the Firm	40%
Staffing, Organization, and Management Plan	15%
Work Plan	15%
Cost and Price	30%
	100%

The table below represents the proposer's initial scores and ranking:

Proposer Name	Independent Cost Estimate	Cost	Technical Score	Cost Score	Total Score (Maximum total score: 100)	Ranking
Mobile Relay Associates	$673,507.98	$598,659.26	57.67	30	87.67	1

Based on this scoring and after the initial review, staff requested a revised cost proposal to get clarification on pricing and to more accurately reflect the number of estimated hours of maintenance. The number of estimated hours went from 120 hours to 240 hours annually.

Mobile Relay Associates submitted their Revised Proposal on February 2, 2025. Mobile Relay Associates' cost proposal increased by $107,820.00 for a total cost of $706,479.26. This was due to MTS doubling the estimated annual hours for as-needed maintenance services. Based on this information the evaluation committee did not make any changes to their scores. Shortly after MTS requested for Mobile Relay Associates' Best and Final Offer (BAFO). On February 26, 2025, Mobile Relay Associates chose not to respond to the BAFO request and to maintain their previous revised offer as their final offer. Final scores are as follows:

Proposer Name	Independent Cost Estimate	Cost	Technical Score	Cost Score	Total Score (Maximum total score: 100)	Ranking
Mobile Relay Associates	$673,507.98	$706,479.26	57.67	30	87.67	1

MTS staff has determined that Mobile Relay Associates meets MTS' requirements, has knowledge of MTS' system and deemed their proposal to be fair and reasonable based on a comparison with MTS' ICE and past purchase history of the existing contract.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. No. G2947.0-25 (in substantially the same format as Attachment A), with Mobile Relay Associates, for Radio Airtime and Maintenance services, in the amount of $706,479.26.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, Mark.Olson@sdmts.com

Attachments: A. Draft Agreement G2947.0-25
B. Scope of Work
C. Cost Form

Metropolitan Transit System

STANDARD AGREEMENT

FOR

MTS DOC. NO. G2947.0-25

RADIO AIRTIME AND MAINTENANCE

THIS AGREEMENT is entered into this _____ day of _____, 2024 in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: Mobile Relay Associates LLC

Address: 15330 Vermont Ave

Paramount, CA,90723
City State Zip

Form of Business: LLC
(Corporation, Partnership, Sole Proprietor, etc.)

Email: markjabrams@mra-raycom.com

Telephone: 562-531-4640

Authorized person to sign contracts Mark J Abrams President
Name Title

The Contractor agrees to provide services with goods as specified in the conformed Scope of Work/Technical Specification (Exhibit A), Contractor's Cost/Pricing Form (Exhibit B), and in accordance with the Standard Agreement, including Standard Conditions (Exhibit C), and Forms (Exhibit D).

The contract term is for a three (3) year base period with two (2) 1-year option periods, exercisable at MTS's sole discretion, for a total of up to five (5) years. Base period shall be effective May 1, 2025 through April 30, 2028 and option years shall be effective May 1, 2028 through April 30, 2030, if exercised by MTS.

Payment terms shall be net 30 days from invoice date. The total cost of this contract shall not exceed $404,613.60 for the base years and $301,865.66 for the option years, for a contract total not to exceed $706,479.26 without the express written consent of MTS.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	CONTRACTOR NAME
By: _____ Sharon Cooney, Chief Executive Officer	By _____
Approved as to form:	
By: _____ Karen Landers, General Counsel	Title: _____

DRAFT

1. SCOPE OF WORK/TECHNICAL SPECIFICATIONS

1.1. BACKGROUND

The San Diego Metropolitan Transit System (MTS) currently utilizes a third-party vendor radio service for its Paratransit or Demand Response service. This service includes installed mobile radios on fleet vehicles, portable radios for supervisory functions and a base radio workstation for dispatching functions. Currently, MTS operates Kenwood's NX-820 mobile radio for Dash Mount Radio fleet. For the Base Stations and Remote Head Mount Radio fleet MTS uses Kenwood's NX-800 mobile radio. The NX-800 is required to accommodate the dispatch IP Gateways and remote mount head capability. The portable radios will be Kenwood's NX300G portable radios with high-capacity battery. The Dispatch Consoles will be CTI Products RadioPro IP Gateways and RadioPro Dispatch Software. This product is the same as CTI's Turbo VUi system except it is designed for Kenwood NEXEDGE networks.

The NX-820 mobile radio is a 45-watt UHF radio that easily accommodates the four required talk groups, private call capability, 1000 channels, GPS capability and an alphanumeric display. The NX-300G portable radio is a 5-watt UHF radio that can accommodate the four required talk groups, private call capability, 1000 channels, GPS capability and an alphanumeric display. The NX-800 mobile radio is a 30-watt UHF radio that can accommodate 512 talk groups, private call capability, 1000 channels, an alphanumeric display and can have an optional GPS installed. These radios will be used for the remote mount requirements and the control stations. The dispatch consoles provided will be CTI Products RadioPro Dispatch systems. This system is comprised of RadioPro Gateway Hardware, Dispatch Software and licenses. The Gateways are connected to Kenwood NX-800 control stations and MTS's LAN. The Dispatch Software will be installed on MTS's Dispatch Workstations and will communicate with the Gateways over MTS's LAN.

MTS is seeking proposals from qualified proposers to maintain its current para-transit service two-way radio inventory, two-way radio accessories, and lease radio service airtime. This contract shall be for three (3) base years with two (2) 1-year options, exercisable at MTS’s sole discretion. Proposer must have personnel available “on-call” for support and service-related issues.

1.2. GENERAL REQUIREMENTS

Proposer must have the appropriate FCC license to operate Land Mobile Radio communications. Proposer shall be a recognized two-way high-tech radio and data electronics company, having service resources or two-way high-tech radio maintenance service shop duly certified and recognized by the manufacturer of existing and future purchased radio equipment, to properly service the requirement of MTS. Proposer must have a dedicated website and an established location within 150 miles of the Greater San Diego Area, for convenient access to and from MTS, for quick response and daily access for parts, repairs, and questions. Proposer will provide radio network coverage on an Ultra High Frequency (UHF) radio network between 450-470MHz within San Diego County.

The proposed cost shall not include failures that originate outside the communications system including but not limited to power outages, lightning strikes, riot, vandalism, fire, flood, acts of God, deliberate or accidental failures caused by MTS personnel including MTS IP network issues,

MTS contractors or other visitors to the MTS facilities. Proposer shall also be able to provide as-needed repairs and parts. Under the cost form, MTS has provided an estimated service hours per year. These hours and material estimates are to be used for proposal purposes and what MTS estimates will be required per year. Contractor should note that the actual hours and materials used may be more or less than estimated. Contractor shall provide an all-inclusive billing cost per hour.

1.3. SCOPE OF WORK

Proposer shall provide a full-service maintenance plan to be executed on-site at the Copley Park Division, located at 7490 Copley Park Pl San Diego, CA 92111. Proposer shall provide high availability 24-hour, seven day a week emergency maintenance of the dispatch consoles. Additionally, Proposer will need to provide on-site and/or remote support of the dispatch consoles and associated base stations with response times of less than two (2) hours if the full dispatch system is down and four (4) hours if any single dispatch station is down {24 hours per day, every calendar day of the year). This contract shall inclusive of all costs, including labor, materials and travel, etc. needed to keep the equipment running under normal operating conditions.

1.4. EXISTING RADIO EQUIPMENT

Estimated Quantity*	Description
122	Mobile Radios - Kenwood NX820
11	Portable Radio - Kenwood NX300G
144	Vehicle Antennas
4	Building Antennas
11	Portable Radio Spare Batteries - Kenwood NX300G
5	CTI Products TurboVUi Dispatch System - RadioPro Dispatch Software
5	Gateway – CTI Product RadioPro IP
5	Control Stations
5	Additional Hard Drives
5	Foot Pedals / Switch
5	Goose Neck Microphones
11	Charging Station for Portable Radio Batteries - Kenwood NX300G

**MTS may at any time increase or decrease the number of equipment.*

1.5. INVOICES

Invoices must be sent to the MTS Accounting Department, via email, at ap@sdmts.com. All invoices must have the Purchase Order and contract number clearly displayed to ensure timely payment. MTS will not pay on packing slips, receiving documents, delivery documents, or other similar documents. Invoices must be submitted for payment.

Payment terms shall be net 30 days from invoice date.

Contractors must also indicate if any of the invoiced amount(s) is for service or work provided by a subcontractor and indicate the amount that will be paid to the subcontractor. Contractors must also comply with the prompt payment requirements in the *Prompt Progress Payments* section of the Standard Conditions.

ADVANCED PAYMENT IS NOT ALLOWABLE.

1.6. [NOT APPLICABLE] CONTRACTOR'S INFORMATION SECURITY RESPONSIBILITIES

1.7. [NOT APPLICABLE] BUY AMERICA

1.8. [NOT APPLICABLE] SAFETY DATA SHEETS (SDS)

1.9. [NOT APPLICABLE] NO RIGHT TO POST SIGNS

1.10. REPLACEMENT PARTS

Replacement parts and technical support for the specified equipment must be guaranteed by the manufacturer; to be available for a ten (10) year period from the date of purchase. Manufacturer shall keep parts books and maintenance manuals up-to-date for that period.

1.11. [NOT APPLICABLE] DELIVERY AND ACCEPTANCE

1.12. [NOT APPLICABLE] EXPEDITING

1.13. [NOT APPLICABLE] ACQUISITION OF ROLLING STOCK

Metropolitan Transit System

Radio Service Bid form

MTS Doc. No. G2947.0-25

Bidder Name: Mobile Relay Associates_____

Radio Services - BASE YEAR 1 - May 1, 2025 - April 30, 2026				
DESCRIPTION	**Estimated Quantity**	**Unit of Measure**	**Unit Price**	**Extended Price**
Radio Service FY25	133	EA	32	$ 51,072.00
24/7 Monthly Dispatch Center Maintenance FY25	12	Month	900	$ 10,800.00
DESCRIPTION (AS-NEEDED SERVICES)	**Estimated Quantity**	**Unit of Measure**	**Unit Price**	**Extended Price**
Misc Repairs FY25 (not added in the total)	240	Hours	175	$ 42,000.00
Misc Repairs & Parts FY25 *				$ 24,000.00
			TOTAL - YEAR 1	**$ 127,872.00**

*** MRA will replace part at a 5% mark up over the current price sheets that is charger to us by the manufacture. Since we can not sell at our cost. This is our cost of doing business.**

Radio Services - BASE YEAR 2 - May 1, 2026 - April 30, 2027				
DESCRIPTION	**Estimated Quantity**	**Unit of Measure**	**Unit Price**	**Extended Price**
Radio Service FY26	136	EA	33	$ 53,856.00
24/7 Monthly Dispatch Center Maintenance FY26	12	Month	1000	$ 12,000.00
DESCRIPTION (AS-NEEDED SERVICES)	**Estimated Quantity**	**Unit of Measure**	**Unit Price**	**Extended Price**
Misc Repairs FY25 (not added in the total)	240	Hours	185	$ 44,400.00
Misc Repairs & Parts FY26*				$ 24,720.00
			TOTAL - YEAR 2	**$ 134,976.00**

*** MRA will replace part at a 5% mark up over the current price sheets that is charger to us by the manufacture. Since we can not sell at our cost. This is our cost of doing business.**

Radio Services - BASE YEAR 3 - May 1, 2027 - April 30, 2028				
DESCRIPTION	**Estimated Quantity**	**Unit of Measure**	**Unit Price**	**Extended Price**
Radio Service FY27	138	EA	34	$ 56,304.00
24/7 Monthly Dispatch Center Maintenance FY27	12	Month	1100	$ 13,200.00
DESCRIPTION (AS-NEEDED SERVICES)	**Estimated Quantity**	**Unit of Measure**	**Unit Price**	**Extended Price**
Misc Repairs FY25 (not added in the total)	240	Hours	195	$ 46,800.00
Misc Repairs & Parts FY27*				$ 25,461.60
			TOTAL - YEAR 3	**$ 141,765.60**

*** MRA will replace part at a 5% mark up over the current price sheets that is charger to us by the manufacture. Since we can not sell at our cost. This is our cost of doing business.**

Radio Services - OPTION YEAR 1 - May 1, 2028 - April 30, 2029

DESCRIPTION	Estimated Quantity	Unit of Measure	Unit Price	Extended Price
Radio Service FY278	141	EA	35	$ 59,220.00
24/7 Monthly Dispatch Center Maintenance FY28	12	Month	1200	$ 14,400.00
DESCRIPTION (AS-NEEDED SERVICES)	**Estimated Quantity**	**Unit of Measure**	**Unit Price**	**Extended Price**
Misc Repairs FY25 (not added in the total)	240	Hours	200	$ 48,000.00
Misc Repairs & Parts FY28*				$ 26,225.45
			TOTAL - YEAR 4	**$ 147,845.45**

*** MRA will replace part at a 5% mark up over the current price sheets that is charger to us by the manufacture. Since we can not sell at our cost. This is our cost of doing business.**

Radio Services - OPTION YEAR 2 - May 1, 2029 - April 30, 2030

DESCRIPTION	Estimated Quantity	Unit of Measure	Unit Price	Extended Price
Radio Service FY27	144	EA	36	$ 62,208.00
24/7 Monthly Dispatch Center Maintenance FY29	12	Month	1300	$ 15,600.00
DESCRIPTION (AS-NEEDED SERVICES)	**Estimated Quantity**	**Unit of Measure**	**Unit Price**	**Extended Price**
Misc Repairs FY25 (not added in the total)	240	Hours	205	$ 49,200.00
Misc Repairs & Parts FY29*				$ 27,012.21
			TOTAL - YEAR 5	**$ 154,020.21**

*** MRA will replace part at a 5% mark up over the current price sheets that is charger to us by the manufacture. Since we can not sell at our cost. This is our cost of doing business.**

GRAND TOTAL - YEARS 1 - 5	**$ 706,479.26**

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 11

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Fiscal Year (FY) 2024-2025 Low Carbon Transit Operations Program (LCTOP) Funding

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors adopt Resolution No. 25-02 to:

1) Agree to comply with all conditions and requirements set forth in the Certification and Assurances Document, and applicable statutes, regulations, and guidelines for all LCTOP funded transit projects;

2) Authorize the Chief Executive Officer (CEO), or designated representative, to execute all required documents of the LCTOP and any amendments thereto with the California Department of Transportation;

3) Authorize the allocation of $8,376,706 in FY 2024-2025 LCTOP funding for the procurement of Battery Electric Buses (BEBs), which will reduce greenhouse gas emissions and improve mobility with a priority on serving Disadvantaged Communities (DAC); and

4) Certify that at least 50% of the total LCTOP funds received will be spent on projects or services that will benefit DACs identified in Section 39711 of the Health and Safety Code.

Budget Impact

Resolution No. 25-02 would authorize the allocation of $8,376,706 in FY 2024-2025 LCTOP funding for future BEB procurement projects.

DISCUSSION:

The LCTOP is one of several programs that are part of the Transit, Affordable Housing, and Sustainable Communities Program established by the California Legislature in 2014 by Senate Bill 862. The LCTOP is a formula-based program, which provides operating and capital assistance for transit agencies to reduce greenhouse gas emissions and improve mobility, with a priority on serving disadvantaged communities.



As a condition of the LCTOP, MTS must agree to comply with specific terms and conditions outlined in the LCTOP Certification and Assurances Form. In addition, the Board must authorize the CEO, or their designated representative, to execute all required documents of the LCTOP and amendments thereto with the California Department of Transportation.

Upon approval by the MTS Board, MTS will use the requested FY 2024-25 LCTOP apportionment of $8,376,706 along with the previous LCTOP apportionment in FY22-23 and FY23-24 in the amounts of $8,100,849 and $8,657,564, respectively, to fund BEB procurement projects in future Capital Improvement Program (CIP) budgets consistent with the Board's direction to delay implementation of the full Zero Emission Bus transition plan while overall budget deficit / budget balancing analysis is underway.

The LCTOP requires that the Board resolution state DAC requirements if the service area of the implementing agency includes any DACs as identified by the California Environmental Protection Agency (CalEPA). The MTS service area includes 37 DACs as identified by CalEPA. Hence, MTS is required to certify that at least 50% of the total LCTOP funds received will be spent on projects or services that benefit DACs identified in Section 39711 of the Health and Safety Code. MTS staff has conducted an analysis of the project areas and determined that both projects will provide direct and meaningful benefits to DACs in the MTS service area, indicating that one hundred percent of the allocated funds will provide benefits to DACs.

Therefore, staff recommends the MTS Board of Directors adopt Resolution No. 25-02 to:

1) Agree to comply with all conditions and requirements set forth in the Certification and Assurances Document, and applicable statutes, regulations, and guidelines for all LCTOP funded transit projects;

2) Authorize the CEO, or designated representative, to execute all required documents of the LCTOP and any amendments thereto with the California Department of Transportation;

3) Authorize the allocation of $8,376,706 in FY 2024-2025 LCTOP funding for the procurement of BEBs, which will reduce greenhouse gas emissions and improve mobility with a priority on serving DAC; and

4) Certify that at least 50% of the total LCTOP funds received will be spent on projects or services that will benefit DACs identified in Section 39711 of the Health and Safety Code.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, Mark.Olson@sdmts.com

Attachment: A. Resolution No. 25-02

SAN DIEGO METROPOLITAN TRANSIT SYSTEM

Resolution No. 25-02

Resolution Authorizing the Execution of the Certifications and Assurances and Authorized Agent Forms for the 2024-2025 Low Carbon Transit Operations Program (LCTOP), and the Application of $8,376,706 FY 2024-2025 LCTOP funding for future Battery Electric Bus Procurement Projects

WHEREAS, the San Diego Metropolitan Transit System (MTS) is an eligible project sponsor and may receive state funding from the LCTOP now or sometime in the future for transit projects; and

WHEREAS, the statutes related to state-funded transit projects require a local or regional implementing agency to abide by various regulations; and

WHEREAS, Senate Bill 862 named the California Department of Transportation as the administrative agency for the LCTOP; and

WHEREAS, the Department has developed guidelines for the purpose of administering and distributing LCTOP funds to eligible project sponsors (local agencies); and

WHEREAS, MTS wishes to delegate authorization to execute these documents and any amendments thereto to the Sharon Cooney, Chief Executive Officer (CEO), and designated representatives; and

WHEREAS, MTS wishes to allocate $8,376,706 from FY 2024-2025 LCTOP funds for future Battery Electric Bus Procurement Project.

NOW THEREFORE, BE IT RESOLVED, DETERMINED, AND ORDERED by the MTS Board of Directors (Board), that MTS agrees to comply with all conditions and requirements set forth in the Certification and Assurances document, and applicable statutes, regulations, and guidelines for all LCTOP funded transit projects.

BE IT FURTHER RESOLVED by the Board that the CEO, or designated representative, be authorized to execute all required documents of the LCTOP program and any Amendments thereto with the California Department of Transportation.

BE IT FURTHER RESOLVED by the Board that MTS be authorized to apply for and use the FY 2024-2025 LCTOP funds, for a future BEB procurement project.

BE IT FURTHER RESOLVED by the Board that MTS agrees to spend at least 50% of all LCTOP funds received on projects or services that benefit SB535 Disadvantaged Communities.

PASSED AND ADOPTED, by the Board of Directors this 17th day of April, 2025 by the following vote:

AYES:

NAYS:

ABSENT:

ABSTAINING:

Chairperson
San Diego Metropolitan Transit System

Filed by:

Clerk of the Board
San Diego Metropolitan Transit System

Approved as to form:

General Counsel
San Diego Metropolitan Transit System

Resolution No. 25-02

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 12

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Federal Fiscal Year (FFY) 2023 (SANDAG Cycle 12) Federal Transit Administration (FTA) Section 5310 Enhanced Mobility for Seniors and Individuals with Disabilities – Grant Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors to:

1) Accept the FFY 2023 Section 5310 Enhanced Mobility for Seniors and Individuals with Disabilities Cycle 12 awarded by the San Diego Association of Governments (SANDAG) in the amount of $952,861 for paratransit vehicle procurement; and

2) Authorize $525,563.15 in local matching funds to fully fund the purchase of seven (7) Americans with Disabilities Act (ADA) paratransit vehicles.

Budget Impact

FTA Section 5310 grants require that at least 20 percent of the total project cost to be funded by local matching funds. MTS will be required to provide $525,563.13 (35.55%) in local matching funds to fully fund the replacement of seven (7) ADA paratransit vehicles. If the final invoice for the purchase of vehicles is higher, MTS will pay the difference using local funds to cover the remaining cost. MTS's local match will be funded using State Transit Assistance (STA) from MTS Capital Improvement Program (CIP) 30011228 - Bus Procurement Project.

DISCUSSION:

The FTA provides capital and operating assistance to agencies providing transportation through the FTA Section 5310 Program. These funds are to be apportioned by the Metropolitan Planning Organization (MPO), SANDAG, through a competitive grant application process.

Based on the requirements of this funding opportunity, MTS typically applies for ADA paratransit vehicles, up to the maximum funding availability, which is also consistent with MTS's long-term fleet plan.



On September 15, 2022 (AI 16), MTS received Board approval to authorize the CEO to submit and execute grant application requests totaling $1,200,0000 (seeking $600,000 in FFY 2021 and $600,000 in FFY 2022 for FTA Section 5310 funding) for seven ADA paratransit vehicle replacements, and to authorize the commitment of up to $300,000 in local matching funds to fully fund the purchase the vehicles, if awarded.

On February 24, 2023 (SANDAG AI 8), SANDAG approved the Cycle 12 Section 5310 grant awards, awarding MTS $952,861 of its original $1.2 million request.

Since the awarded amount was under MTS's initial requested amount, MTS will be required to provide total local matching funds in the amount of $525,563.13 (35.55%) to fully fund the replacement of seven (7) ADA paratransit vehicles:

SANDAG Cycle 12 Section 5310 ADA Paratransit Vehicle Grant			
Vehicle	**Per Vehicle Cost (incl tax and fees)**	**# of Vehicles**	**Total**
Starcraft Class B Ford E450 Propane 64G	$ 211,203.45	7	$ 1,478,424.15
Funding Shares	**Per Vehicle Cost**	**# of Vehicles**	**Total**
SANDAG	$ 136,123.00	7	$ 952,861.00
MTS	$ 75,080.45	7	$ 525,563.15
Total	*$ 211,203.45*	*7*	$ 1,478,424.15
**Note that MTS will be responsible for any cost overruns as the SANDAG grant contribution is fixed*			

SANDAG utilizes a California Association for Coordinated Transportation / Morongo Basin Transit Authority (CALACT)/(MBTA) purchasing contract to purchase the vehicles. Since the notice of award, the CALACT/MBTA contract pricing has increased significantly due to supply chain issues, causing an increase in matching funds required by MTS to fully fund the purchase of the vehicles. Original application costs were based upon vehicle cost estimates attained at the time of application in 2022. MTS was recently notified by SANDAG that the cost per vehicle has increased significantly since the submittal of the application. The new vehicle pricing will require an estimated $525,563.15 in local matching funds to fully fund the replacement of seven (7) ADA paratransit vehicles.

Therefore, staff recommends that the Board of Directors to:

1) Accept the FFY 2023 Section 5310 Enhanced Mobility for Seniors and Individuals with Disabilities Cycle 12 awarded by SANDAG in the amount of $952,861 Paratransit vehicle procurement; and

2) Authorize $525,563.15 in local matching funds to fully fund the purchase of seven (7) ADA paratransit vehicles.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, Mark.Olson@sdmts.com

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 13

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Orange Line Improvement Project (OLIP) (Phase 2): Owner Furnished Special Trackwork Procurement – Contract Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. L1699.0-25 (in substantially the same format as Attachment A), with Progress Rail Services (Progress Rail), for the one-time supply of special trackwork materials, in the amount of $2,050,595.75, inclusive of 8.5% CA Sales Tax.

Budget Impact

The total contract cost is estimated to be $2,050,595.75, inclusive of 8.5% CA Sales Tax (Attachment C). The project will be funded by the Capital Improvement Program (CIP) account 2005123501 Orange Line Rail Signals – Phase 2.

DISCUSSION:

The OLIP work is divided into two phases and will make trolley system improvements at various locations within the seventeen and six tenths (17.6) mile line, benefitting the cities of San Diego, Lemon Grove, La Mesa, and El Cajon. The project's goal is to increase train speeds, improve service reliability and operating flexibility, maintain grade crossing safety, and increase the State of Good Repair (SGR).

The Phase 2 Project will upgrade the signal system and grade crossing warning systems to support bi-directional running between Massachusetts Avenue Station and El Cajon Transit Center. The Orange Line Automatic Block Signal (ABS) system was initially built for unidirectional running, with the grade crossing warning systems monitoring trains approaching the normal traffic direction. Trains operating reverse currents of traffic must do so under a set of rules that significantly reduce efficiency. Trains must stop one car length approaching each grade crossing to activate the warning system and then proceed once the gates are in the down position. Trains must operate at restricted speed, which limits the Maximum Authorized Speed (MAS) to 20 mph.



SGR work includes the replacement of equipment that is beyond its useful life. Signal instrument shelters and the associated equipment within this area are approximately thirty-five (35) years old, have served their useful life, and need upgrading. These upgrades will improve the overall reliability, performance, and maintenance of the Orange Line.

While the design has progressed, MTS Capital Projects staff and the design team have been working on a project implementation schedule to meet the Transit and Intercity Rail Capital Program (TIRCP) grant's required completion date of June 30, 2028. The scheduling effort identified required start dates for construction. When compared with known lead times for specialty equipment to be installed by the contractor, staff identified that equipment lead times could put the construction schedule at risk. To limit the schedule risk associated with long-lead equipment, the MTS Capital Projects team proposes that MTS directly purchase the signaling equipment so that it can be provided as "owner-furnished equipment" to the construction contractor for installation. The following items are planned to be pre-purchased to meet the Phase 2 schedule:

#	Item	MTS Board Meeting	Total
1	Catenary Poles	November 14, 2024 (Agenda Item (AI) 16)	$167,653.40
2	Hitachi Switch Machines	February 13, 2025 (AI 6)	$542,607.45
3	KB Signaling Electrocodes	February 13, 2025 (AI 7)	$1,355,932.79
4	Siemens PSO Assemblies	February 13, 2025 (AI 8)	$427,849.39
5	**Special Trackwork Materials**	**Today's proposed action**	**$2,050,595.75**
6	Signal Instrument Components	Spring 2025	TBD
7	Signal Houses	Spring 2025	TBD
8	Signal Cable	Summer 2025	TBD

Owner Furnished Special Trackwork Procurement

MTS Policy No. 52, "Procurement of Goods and Services", requires a formal competitive process for procurements and service contracts over $150,000.00. On January 27, 2025, MTS issued an Invitation for Bids (IFB) to purchase special trackwork materials. A total of two (2) bids were received by the deadline of March 17, 2025, and are summarized as follows:

Firm Name	Firm Certification	Bid Amount
Progress Rail	**N/A**	**$2,050,595.75**
Voestalpine Railway Systems Nortrak LLC	N/A	$2,165,832.52
MTS Independent Cost Estimate (ICE)		$2,519,303.82

Based on the responsive bids received, and in comparison, with MTS' ICE of $2,519,303.82, staff determined Progress Rail's pricing to be fair and reasonable.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. No. L1699.0-25 (In substantially the same format as Attachment A), with Progress Rail, for the one-time supply of special trackwork materials, in the amount of $2,050,595.75, inclusive of 8.5% CA Sales Tax.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachments: A. Draft Agreement MTS Doc. No. L1699.0-25
B. Scope of Work/Technical Specifications
C. Bid Form

Metropolitan Transit System

STANDARD AGREEMENT

FOR

MTS DOC. NO. L1699.0-25

OWNER FURNISHED SPECIAL TRACKWORK PROCUREMENT (PHASE 2)

THIS AGREEMENT is entered into this _____ day of _____, 2025 in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: Progress Rail Services Corporation

Address: 1600 Progress Drive

Albertville (City) AL (State) 35950 (Zip)

Form of Business: Corporation
(Corporation, Partnership, Sole Proprietor, etc.)

Email:

Telephone: 708-387-6981

Authorized person to sign contracts Guylando Moreno (Name) Vice President (Title)

The Contractor agrees to provide goods as specified in the conformed Scope of Work/Technical Specification (Exhibit A), Contractor's Cost/Pricing Form (Exhibit B), and in accordance with the Standard Agreement, including Standard Conditions (Exhibit C), and Forms (Exhibit D).

The contract term commences upon full execution of the Agreement and concludes 480 days thereafter. This timeframe allows for the completion of deliveries and processing of all invoices.

Payment terms shall be net 30 days from invoice date. The total cost of this contract shall not exceed $2,050,595.75 without the express written consent of MTS.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	PROGRESS RAIL SERVICES CORPORATION
By: _____ Sharon Cooney, Chief Executive Officer	By _____
Approved as to form:	
By: _____ Karen Landers, General Counsel	Title: _____

San Diego Metropolitan Transit System (MTS) is a California public agency comprised of San Diego Transit Corp., San Diego Trolley, Inc. and San Diego and Arizona Eastern Railway Company (nonprofit public benefit corporations). MTS member agencies include the cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and the County of San Diego. MTS is also the For-Hire Vehicle administrator for multiple cities in San Diego County.

SCOPE OF WORK/TECHNICAL SPECIFICATIONS

1. GENERAL

The San Diego Metropolitan Transit System (MTS), on behalf of San Diego Trolley, Inc. (SDTI), is inviting qualified Manufacturers to submit bids for special trackwork materials as they are further generally described below but in more detail in ATT 2: Specifications and Drawings.

The specifications provide minimum technical requirements for the manufacturing and delivery of the special trackwork materials for the Project with the Manufacturer providing all labor, materials, equipment, and services.

2. DESCRIPTION OF WORK

In general, the Work consists of manufacturing and delivering new Single Track Diamond 115RE (One track tangent, one track curved) Tangential Crossing Angle 13° +/- and Modified #11 Left-Hand 115 RE Switch, BNSF No. 11 left-hand and right-hand single crossovers, switch packages to convert existing manual-crossovers to power-operated turnouts and insulated bonded rail plugs. More specifically and detailed in the Contract Documents, Specifications and Drawings, the Manufacturer shall supply complete packages.

A. All rail shall be high-strength, head-hardened 115 RE.

B. New, converted and upgraded crossovers shall be on #1 treated hardwood timber ties.

C. The new BNSF crossovers shall include all necessary components including, but not limited to, switches, stock and closure rails, insulated rail plugs, RBM frogs, plates, rods, and fasteners.

D. Track switch conversion packages shall be in accordance with AREMA Standard Drawing 124-08 inclusive of switch portion of the turnout and stock rails. Also included but not limited to switch points, bolted heel block assemblies, plates, rods, fasteners and ties. Tie layout shall be provided as a submittal by the Manufacturer to the Engineer for approval before fabrication.

E. Track switch upgrade packages shall be in accordance with AREMA Standard Drawing 124-08 and 127-08 inclusive of switch portion of the turnout. Also included but not limited to plates, rods, fasteners and ties. Tie layout shall be provided as a submittal by the Manufacturer to the Engineer for approval before fabrication.

F. 19’-6” (tangent track) and 39’-0” (curved track) shop bonded insulated joint plugs.

The Manufacturer shall be responsible for all costs associated with the supply, delivery, and offloading of the trackwork materials.

Work, including material, shall comply with all Federal, state, and local laws and regulations.

Materials supplied by the Manufacturer are subject to inspection and testing by MTS, their representative, or other independent agencies to confirm compliance with the specifications. The Manufacturer shall supply samples of the materials to be tested if requested by MTS. Materials

which do not comply with the specifications, or materials which, notwithstanding tests, inspection or acceptance are found to contain deficiencies, will be subject to rejection.

3. SPECIFICATIONS

Standard specification sections applicable to this procurement package.

A. 34 11 13 Track Rails
B. 34 11 16.9 Thermite-Welded Track Rail
C. 34 11 19 Track Rail Joints
D. 34 11 33.16 Timber Track Cross Ties
E. 34 72 13.10 Special Trackwork Construction

4. DRAWINGS

A. Baltimore Junction Track Replacement Drawings
    1. DWG. No BJ-1 General Layout
    2. DWG. No. BJ-2 Modified Turnouts
    3. DWG. No. BJ-3 Diamond Detail
    4. DWG. No. BJ-4 Split Tie Layout
    5. DWG. No. BJ-5 Insulated Joint Placement
    6. DWG. No. BJ-6 Alignments and Surfacing
B. Exhibit A No. 10 Switch
C. BNSF Standard Plan, Drawing No. 2055, #11 Turnout, 115 Lb.
D. BNSF Standard Plan, Drawing No. 346000, #20 Turnout
E. BNSF Standard Plan, Drawing No. DB0044, Switch Layout M23
F. BNSF Standard Plan, Drawing No. DB0048, Rotary Helper Layout

5. CODES AND STANDARDS

Applicable codes and standards as described in the specifications but not limited to:

A. AREMA Portfolio of Trackwork Plans (2022)
B. AREMA Manual for Railway Engineering (2023)
C. BNSF Standard Plan, Drawing No. 2055, #11 Turnout, 115 Lb.
D. BNSF Standard Plan, Drawing No. 346000, #20 Turnout
E. BNSF Standard Plan, Drawing No. DB0044, Switch Layout M23
F. BNSF Standard Plan, Drawing No. DB0048, Rotary Helper Layout
G. American Society of Testing Materials (ASTM) Standards

6. SUBMITTALS

Manufacturer shall provide Shop Drawings, including but not limited to the following components for MTS to review prior to fabrication.

A. Baltimore Junction Single Track Diamond 115RE (One track tangent, one track curved) Tangential Crossing Angle 13° +/- and Modified #11 Left-Hand 115 RE Switch.
B. #11 Crossover track geometry and general arrangement, including tie layout.
    1. 19’-6” curved switch point package, including all components and tie layout.
    2. RBM frog details.
    3. Guard rail assemblies.
    4. Turnout insulated rail plugs.

C. #10 Hand-throw to power crossover conversion switch packages.
D. #10 and #20 Power crossover switch upgrade packages.

Final Shop Drawings including a complete bill of materials shall be provided by the Manufacturer prior to fabrication. The Shop Drawings shall be prepared electronically in CADD format (AutoCAD) and PDF (11” x 17” in size).

7. SOURCE OF MATERIALS

The major quantities of steel and iron material that is permanently incorporated into the special trackwork shall consist of American-made materials.

Minor amounts of foreign steel and iron may be utilized in this project provided the cost of the foreign material used does not exceed one-tenth of one percent (i.e. 0.1 percent) of the total contract cost or $2,500.00, whichever is greater.

American-made material is defined as the material sourced domestically and having all manufacturing processes occurring domestically. This indicates that a domestic product is a manufactured steel material that was produced in one of the 50 States, the District of Columbia, Puerto Rico, or in the territories and possessions of the United States.

Manufacturing begins with the initial melting/mixing and continues through the final coating stage. Any process which modifies the chemical content, the physical size or shape, or the final finish is considered a manufacturing process. This includes but not limited to rolling, extruding, machining, bending, grinding, drilling, welding, and coating. The action of applying a coating to steel or iron is also considered a manufacturing process. Coating includes epoxy coating, galvanizing, aluminizing, painting, and any other coating that protects or enhances the value of steel or iron.

The following are considered to be steel manufacturing processes:

A. Production of steel by any of the following processes:
    1. Open hearth furnace.
    2. Basic oxygen.
    3. Electric furnace.
    4. Direct reduction.
B. Rolling, heat treating, and any other similar processing.
C. Fabrication of the products.

American-made requirements do not apply to raw materials, scrap (recycled steel or iron), pig iron and processed/pelletized/reduced iron ore.

A certification of materials origin shall be required as requested for any items comprised of, or containing steel or iron materials prior to such items being incorporated into the special trackwork.

8. TRACKWORK MATERIALS

The Manufacturer shall furnish all materials necessary to supply new fully functional No. 11 left-hand and right-hand crossovers including but not limited to, switch points, stock rails, insulated gauge plates, insulated switch rods, closure rails, turnout rails, tie plates, insulated rail plugs, frogs, frog plates, guard rails and ties.

A. Crossovers: The single crossovers shall be composed of two, No. 11, left-hand and right-hand turnouts with floating heel blocks per AREMA Plan No 221-22. See BNSF Standard Plan, Drawing No. 2055 in the Appendix. **Note: Crossover track centers are 14.0'.**

The Manufacturer shall furnish all materials necessary to convert existing No. 10 left-hand and right-hand hand-throw crossovers to power crossovers including but not limited to, switch points, stock rails, insulated gauge plates, insulated switch rods, tie plates, bolted heel block assemblies and ties.

B. Track Switch Conversion Packages: The track switch conversion packages shall be AREMA No. 10 right-hand and left-hand in accordance with AREMA Standard Drawing 124-08 inclusive of switch portion of the turnout and stock rails. Also included but not limited to bolted heel block assemblies, switch points, plates, rods, fasteners and ties.

The Manufacturer shall furnish all materials necessary to upgrade existing No. 10 left-hand and right-hand power crossovers including but not limited to, insulated gauge plates, insulated switch rods, and ties.

C. Track Switch Upgrade Packages: The track switch upgrade packages shall be AREMA No. 10, right-hand and left-hand in accordance with AREMA Standard Drawing 124-08 inclusive of plates, rods, fasteners and ties.

The Manufacturer shall furnish all materials necessary to upgrade existing No. 20 left-hand and right-hand power crossovers including but not limited to, insulated gauge plates, insulated switch rods, and ties.

D. Track Switch Upgrade Packages: The track switch upgrade packages shall be AREMA No. 20, right-hand and left-hand in accordance with AREMA Standard Drawing 127-08 inclusive of plates, rods, fasteners and ties.

Note: No. 20 crossover tie layout shall be configured for rotary helper rod assembly. See BNSF STD DWG No. 346000, DWG No. DB0048 and DWG No. DB0044 in the Appendix.

The Manufacturer shall furnish all materials necessary to supply new Single Track Diamond 115RE (One track tangent, one track curved) Tangential Crossing Angle 13° +/- and Modified #11 Left-Hand 115 RE Switch. The new diamond and modified #11 left-hand turnout must be manufactured together to incorporate the modified tie layout and insulated rail plugs/joints. Provide all ties necessary for complete assembly including diamond tie package, turnout tie package and split tie package.

Note: 10' timber transition ties are not included in this procurement.

Where applicable, crossovers and track switch packages shall include, but are not limited to:

A. Rails: Per the Contract Specifications

B. Switch Points: Switch points shall be in accordance with AREMA Plan No. 123-08, "19'-6" Curved Split Switch with Uniform Risers for Track Spikes or Screw Spikes". Switch points shall be planed and configured in accordance with AREMA Plan No. 221-22, Detail 5100. Switch points shall be designed for 4-3/4" throw at No. 1 switch rod and compatible with M23A switch machine applications.

Switch points for #11 crossovers shall be double reinforced (i.e. with minimum ½" thickness of D-bars) and equipped with floating switch point heel blocks (Bolted heel blocks for existing #10 and #20 crossovers) in accordance with AREMA Plan No. 221-22. Switch points shall be properly fitted against the matching stock rails and pre-assembled with required hardware to ensure form, fit, and function prior to shipment. #11 turnouts shall be disassembled and packaged for shipping.

C. Stock Rails: Stock rails shall be one curved and one straight for each turnout. The curved stock rail shall be pre-curved to the true designed turnout geometry of the turnout. Stock rails shall be undercut in accordance with AREMA Plan No. 221-22, "Details for Switch Points", Detail 5100, except as modified on the Shop Drawings.

D. Insulated switch rods: Switch rods shall be vertical style rod halves compatible with MJS clips and connected with insulated splices and hardware. All switch rods shall be dielectric strength tested prior to shipment. No.1 switch rod shall also include lost motion switch basket for M23A switch machine applications.

E. Insulated Joints: Insulated joints shall be bonded insulated joint type with 6-hole bars and ¼- inch end post, and shall conform to AREMA Manual, Chapter 4, Part 3, Section 3.8, "Specifications for Bonded Insulation Rail Joints". Insulated joints shall be fully installed onto the associated rails as shown on the Shop Drawings prior to shipment.

F. Closure Rails and Turnout Rails: Curved closure rails and turnout rails in the closure area shall be pre-curved to the true designed turnout geometry of the turnout.

G. Rail Joints: All rail joints excluding the insulated joints shall be welded in the field. The associated rail ends shall be left blank (i.e. without hole drillings) for field welding installation.

H. Guard Rails: Guard rails for the RBM frogs shall be 19'-6" long with 115 RE rail section. Guard rails shall be fabricated in accordance with AREMA Plan No. 504-03 and shall be made of carbon steel with Brinell Hardness of at least equal to that of the running rail. Guard rails shall be in accordance with AREMA Plan No. 502-13 and the standard gauge of 4'-8 ½" shall be maintained. Guard rail assemblies shall include separator blocks with steel shims to allow for setting the appropriate flangeway width.

I. Rail Braces: Rail braces used on the field side of the switch area supporting stock rails shall be boltless type and adjustable in increments of 1/8 inch or less and be of proven design meeting the requirements of AREMA Plan No. 224-08, "Switch Plates and Adjustable Boltless Rail Braces".

J. Other Castings: Castings shall be free of defects and in conformance with appropriate sections of the AREMA Specifications, Sections M2 through M5.

K. Bolts, Nuts, and Spring Washers: Bolts, nuts and spring washers shall conform to the AREMA Specifications, Section M11, "Bolts and Nuts"; AREMA Manual, Chapter 4, Part 3, Section 3.5, "Specification for Heat-Treated Carbon Steel Track Bolts and Carbon Steel

Nuts"; and Section 3.6, "Specification for Spring Washers".

L. Rail Cutting, Drilling, and Deburring: Rails shall be cut square and clean by means of rail saws or abrasive cutting wheels in accordance with the AREMA Specifications, Section 6, "Workmanship". Torch cutting is prohibited.

Holes drilled in rails shall be 1-1/8 inches in diameter for 1-inch bolts and 1-1/2 inches in diameter for 1-3/8 inch bolts. All bolt holes in the trackwork components require a minimum of 1/16" chamfer to remove sharp edges. Punching holes in the rail is prohibited.

There shall be no additional holes in the rails or castings than those required by the fasteners. Plugging existing holes in the web of the rail will not be permitted. All coring and drilling tolerances shall be in accordance with AREMA Specifications for Special Trackwork.

M. Timber Switch Ties: Per the Contract Specifications

N. Elastic Fasteners: Per the Contract Specifications

O. Switch Plates, Frog Plates, and Guard Rail Plates: Switch plates, frog plates, and guard rail plates shall be equipped with weld-on forged shoulders compatible with the project designated elastic fasteners. Plates to have holes drilled for screw spikes.

P. Gauge Plates: Gauge plates shall be manufactured in plate halves with weld-on forged shoulders compatible with the project designated elastic fasteners. The plate halves shall be joined by approved insulated gauge kits with insulated paint. All gauge plates shall be dielectric strength tested prior to shipment.

Q. Tie Plates: Tie plates shall be standard double shoulder type for 115 RE rail section with a minimum of four screw spiking holes on each plate. Plates shall be designed to be used in conjunction with the project designated elastic fasteners and screw spikes.

R. Marking and Tagging: Markings identifying the installation location of each component of the special trackwork shall be painted before shipment. Switch points, stock rails, closure rails, guard rails, turnout rails, and frogs shall be marked with stock number furnished by the Manufacturer. Such markings shall be placed on the side near the end of each piece, with letters and numerals not less than 2 inches high. Markings shall not be placed in any area which will be covered by other components. The markings shall be stencil painted with white paint on a background of permanent black steel paint. Markings shall be as follows:

1. Switch point identification shall be accomplished by attaching an aluminum tag to the web of the gauge side of the rail. Tags shall identify switch geometry, total length, rail section, right hand or left hand, and stock number.
2. Stock and closure rails shall have switch geometry, right hand or left hand, and stock number on the web at the end most remote from the location of the point of switch.
3. Guard rail assemblies shall have a stock number on the web of the rail on the side opposite to machining.

4. Frog casting identification shall include the frog number, rail section, stock number, and be etched into the casting on the non-running surfaces. Identification shall be clearly visible after turnout / crossover installation.
5. Gauge plate assemblies, switch plates, frog plates, and switch rod assemblies shall have their stock numbers clearly stamped and on the field side, if applicable. Stamped letters and figures shall not be less than 1/2 inch in height, located on the top surface of the plates or non-serrated side of the rod halves, plainly visible when assembled, and not subject to wear. Markings shall include rail section, left hand or right hand, switch length, and plate number.
6. The ends of each abutting rail section in each special trackwork layout shall be legibly die stamped with the joint number as shown on the Shop Drawings. Die stamping shall be done in figures not less than 5/8 inch high.
7. All special trackwork components shall have their identification number marked.

9. SHOP ASSEMBLY

The Manufacturer shall pre-assemble the special trackwork unit, at their manufacturing facility to ensure accurate fabrication, compliance with dimensional tolerances, and switch throw movement.

Pre-assembly shall take place in a manufacturing shop on a raised level bed fully supported at every other fastener, as a minimum, prior to inspection, final acceptance, and delivery. Alignments, gauges, and curved offsets of the special trackwork shall be accurately set to represent its final installed position in the field. The assembled special trackwork shall be checked to ensure proper fit in conformance with the approved Shop Drawings and the specifications. Approved variations shall be incorporated into the final Shop Drawings for subsequent installations.

Place special trackwork plates, standard tie plates, and fasteners at locations shown on the Contract Documents and approved Shop Drawings. Mark on the base of rails with paint to indicate design location of the plates.

Marking and tagging shall be applied on all special trackwork components as specified herein.

All materials shall be stored and handled to minimize rust, corrosion, and bending. All rail ends shall be protected from physical damage after fabrication.

10. QUALITY ASSURANCE

The Manufacturer shall implement a Quality Assurance Program that, as a minimum, meets the requirements of this Specification and the Manufacturer shall operate the said Quality Assurance Program from the date of receipt of Notice to Proceed (NTP) with the order until final delivery of the special trackwork.

Record copies of the inspection and testing documentation shall be provided to MTS upon request for Quality Assurance audits and verifications.

11. INSPECTION

All materials supplied by the Manufacturer shall be subject to inspection and testing at the Manufacturer's plant by MTS, their representative, or other independent agencies to confirm compliance with the specifications prior to shipment to the project site. The Manufacturer shall

provide the Inspector, without any charges, with all necessary facilities to examine the work during its progress as well as the finished product to satisfy the inspector that the final special trackwork complies with the specifications.

The final special trackwork shall not be packaged for shipment without being released or approved by MTS. Special trackwork shipped before release or approved by MTS shall be subject to rejection and may be returned to the Manufacturer who shall be responsible for the expenses of handling and transport in both directions.

12. HANDLING AND DELIVERY

All rails and special trackwork components shall be handled carefully and delivered in open top containers to avoid damage by kinking, bending, nicking, or other potential damage to the rails. Rails and special trackwork components shall not be dropped or struck sharply. Handling and delivery shall be in accordance with the accepted industry practice.

Switch points, switch rods, guard rails, and frogs shall be delivered assembled with the associated fasteners / components attached. Stock rail and the matching switch point shall be bundled together.

Small loose parts and miscellaneous hardware shall be delivered in secure boxes and kegs, each weighing shall be no more than 80 pounds.

All bundles, boxes, and kegs shall be clearly marked with the following information.

A. Manufacturer’s name

B. Shipping and delivery date

C. Identification of items contained

D. Number of pieces

E. Gross weight

All materials are to be delivered to Baltimore Junction Yard at 5105 Baltimore Dr, La Mesa, CA 91942 Notify MTS, minimum 48 hours prior to delivery. Contact info will be released upon contract award.

Delivery of all orders must be shipped in a timely manner. MTS has determined that a progressive delivery schedule is required for this procurement. The delivery schedule durations below shall be from the date of receipt of the Shop Drawings Approval. Shop Drawings shall be submitted within 30 calendar days from NTP and there shall be a 2-week drawing approval for MTS. All orders shall be delivered completely within the Delivery Schedule time frames unless otherwise approved by MTS.

13. DELIVERY SCHEDULE

Schedule in calendar days from Notice to Proceed (NTP):

Delivery	QTY	Description	Project Location
150 Days	2	AREMA #20 right-hand track switch upgrade package	E23A & E23B
150 Days	4	Shop bonded insulated joint 19'-6" rail plug	E1653RC to E1527RC
150 Days	50	9' - #1 Treated Hardwood Ties	E23A & E23B
180 Days	1	BNSF STD #11 right-hand crossover	E18 Interlocking
180 Days	1	BNSF STD #11 left-hand crossover	E18 Interlocking
180 Days	10	Shop bonded insulated joint 19'-6" rail plug	E1471RC to E18 INT
180 Days	2	Shop bonded insulated joint 39'-0" rail plug	E1471RC to E18 INT
210 Days	2	AREMA #10 right-hand track switch conversion package	E356A & E356B
210 Days	2	AREMA #20 left-hand track switch upgrade package	E21A & E21B
210 Days	10	Shop bonded insulated joint 19'-6" rail plug	E1394RC to E1316RC
210 Days	2	Shop bonded insulated joint 39'-0" rail plug	E1394RC to E1316RC
210 Days	100	9' - #1 Treated Hardwood Ties	E21A & E21B - E356A &E356B
240 Days	1	AREMA #10 right-hand track switch conversion package	E17B
240 Days	1	AREMA #10 right-hand track switch upgrade package with switch points	E17A
240 Days	50	9' - #1 Treated Hardwood Ties	E17A & E17B
270 Days	2	AREMA #20 right-hand track switch upgrade package	E11A & E11B
270 Days	1	AREMA #10 left-hand track switch upgrade package	E13A & E13B
270 Days	12	Shop bonded insulated joint 19'-6" rail plug	R1256RC to R1038RC
270 Days	3	Shop bonded insulated joint 39'-0" rail plug	R1256RC to R1038RC
270 Days	100	9' - #1 Treated Hardwood Ties	E11A & E11B - E13A & E13B
300 Days	1	BNSF STD #11 right-hand crossover	R22 Interlocking
300 Days	1	BNSF STD #11 left-hand crossover	R22 Interlocking
300 Days	12	Shop bonded insulated joint 19'-6" rail plug	R1025RC to R886RC
300 Days	4	Shop bonded insulated joint 39'-0" rail plug	R1025RC to R886RC
300 Days	1	#11 Left-hand Switch Points (Spare)	Spare
300 Days	1	#11 Right-hand Switch Points (Spare)	Spare
300 Days	1	#11 RBM Frog (Spare)	Spare
330 Days	1	AREMA #10 left-hand track switch upgrade package	E19B Baltimore JCT
330 Days	6	Shop bonded insulated joint 39'-0" rail plug	Baltimore JCT
330 Days	50	9' - #1 Treated Hardwood Ties	Diamond & E19B Baltimore JCT
480 Days	1	Baltimore JCT Single Track Diamond	Baltimore JCT
480 Days	1	BNSF STD #11 left-hand turnout (Modified)	E19A Baltimore JCT

14. MEASUREMENT AND PAYMENT

"Furnish one (1) new Single Track Diamond 115 RE (One track tangent, one track curved) Tangential Crossing Angle 13° +/-" and "Furnish one (1) Modified #11 Left-Hand 115 RE Switch" each shall be measured as a unit for payment as shown on the approved shop drawings.

“Furnish two (2) new BNSF STD #11, 115 RE, left-hand Crossovers” and “Furnish two (2) new BNSF STD #11, 115 RE, right-hand Crossover” each shall be measured as a unit for payment as shown on the approved Shop Drawings.

“Furnish one (1) new AREMA #10, left-hand, 19’-6” points, 115 RE track switch conversion package” and “Furnish three (3) new AREMA #10, right-hand 19’-6” points, 115 RE, track switch conversion package” each shall be measured as a unit for payment as shown on the approved Shop Drawings.

“Furnish one (1) new AREMA #10, right-hand, 115 RE track switch upgrade package with 19’ 6” switch points” and two (2) new AREMA #10, left-hand, 115 RE track switch upgrade package” each shall be measured as a unit for payment as shown on the approved Shop Drawings.

“Furnish two (2) new AREMA #20, left-hand, 115 RE track switch upgrade package” and “Furnish four (4) new AREMA #20, right-hand, 115 RE track switch upgrade package” each shall be measured as a unit for payment as shown on the approved Shop Drawings.

“Furnish forty-eight (48) new shop bonded insulated joint 115 RE 19’-6” rail plug” and “Furnish seventeen (17) new shop bonded insulated joint, 115 RE, 39’-0” rail plug,” each shall be measured as a unit for payment as shown on the approved Shop Drawings.

The contract price paid shall include full compensation for furnishing all labor, materials, equipment, tools, and incidentals, and for doing all Work involved in delivering and off-loading the final products to a designated location in San Diego; including but not limited to submittals, shop drawings, and work plans; 115RE rails/components; rail bound manganese frogs and associated guard rail assemblies; manganese steel tip switch points; switch rods; timber switch ties; insulated joints; plates; and other track materials (OTM), as specified in this Specification, and as directed by MTS.

15. [NOT APPLICABLE] CONTRACTOR’S INFORMATION SECURITY RESPONSIBILITIES

16. [NOT APPLICABLE] SAFETY DATA SHEETS (SDS)

17. [NOT APPLICABLE] NO RIGHT TO POST SIGNS

18. WARRANTY

Bidders shall outline in detail their warranty on the equipment offered, including the method of adjustment in cases of equipment, component or parts failure. Warranty shall also be stated for installation labor, materials, and method of adjustment.

19. REPLACEMENT PARTS

Replacement parts and technical support for the specified equipment must be guaranteed by the manufacturer; to be available for a ten (10) year period from the date of purchase. Manufacturer shall keep parts books and maintenance manuals up-to-date for that period.

20. DELIVERY AND ACCEPTANCE

The Contractor shall assume all responsibility and risk of loss incident to said delivery.

Contractor shall indicate delivery date on the Bid Form unless already specified, in which case, shall be made within the time set forth. Delivery is part of the consideration and must be adhered to as specified.

Contractor will not be held liable for failure to make delivery because of strikes, construction of property, governmental regulations, acts of God or any other causes beyond his control, provided a written extension of time is obtained from MTS.

Upon delivery, MTS will acknowledge receipt of said items or products. Delivery shall not constitute acceptance. Upon inspection and testing (if necessary) by MTS, a determination will be made whether said items or products are in conformance with contract requirements. If found in conformance, MTS shall approve the Contractor's invoice for payment; thereby constituting acceptance. Payment terms begin from this point. If the delivered items or products are found not in compliance, MTS will immediately notify the Contractor, and furnish all details of deficiencies. Contractor shall correct the deficiencies or supply new items or products (at the discretion of MTS) and resubmit for inspection and testing (if necessary).

21. [NOT APPLICABLE] LIQUIDATED DAMAGES

22. INVOICES

Invoices must be sent to the MTS Accounting Department, via email, at ap@sdmts.com. All invoices must have the Purchase Order and contract number clearly displayed to ensure timely payment. MTS will not pay on packing slips, receiving documents, delivery documents, or other similar documents. Invoices must be submitted for payment.

Payment terms shall be net 30 days from invoice date.

Contractors must also indicate if any of the invoiced amount(s) is for service or work provided by a subcontractor and indicate the amount that will be paid to the subcontractor. Contractors must also comply with the prompt payment requirements in the *Prompt Progress Payments* section of the Standard Conditions.

L1699.0-25 Owner Furnished Special Trackwork Procurement Phase 2 IFB

ATT 1 - Bid Form - Rev. 1

**** Fill in the Green Cells ****

Bid Item	DESCRIPTION	ESTIMATED QTY	Unit	Unit Price	Extended Price
1	#11 Left-Hand 115 RE Crossover (BNSF Std. Drawing #2055)	2	EA	$ 220,600.00	$ 441,200.00
2	#11 Right-Hand 115 RE Crossover (BNSF Std. Drawing #2055)	2	EA	$ 220,600.00	$ 441,200.00
3	Baltimore Junction Single Track Diamond 115 RE (One track tangent, one track curved) Tangential Crossing Angle 13° +/- Modified #11 Left-Hand 115 RE Switch (BNSF Std. Drawing #2055) (MTS Switch Identification E19A)	1	EA	$ 466,600.00	$ 466,600.00
4	Spare - #11 Left-Hand Switch Points (BNSF Std. Drawing #2055)	1	EA	$ 9,600.00	$ 9,600.00
5	Spare - #11 Right-Hand Switch Points (BNSF Std. Drawing #2055)	1	EA	$ 9,600.00	$ 9,600.00
6	Spare - #11 RBM Frog (BNSF Std. Drawing #2055)	1	EA	$ 15,100.00	$ 15,100.00
7	#10 RH 115 RE Bolted Heel-Block Track Switch Conversion Package (AREMA Std. Drawing 124-08) (MTS Switch Identification 356A & 356B and E17B) Provide new maintenance length stock rails (39'+), switch points (19' 6"), bolted heel block assemblies, pre-plated ties #Ø through #12 tie/plate, chairs & anchors, #1 w/ basket, #2 & #3 insulated gauge rods & transit clips	3	EA	$ 28,900.00	$ 86,700.00
8	#10 LH 115 RE Bolted Heel-Block Track Switch Conversion Package (AREMA Std. Drawing 124-08) (MTS Switch Identification E19B) Provide new maintenance length stock rails (39'+), switch points (19' 6"), bolted heel block assemblies, pre-plated ties #Ø through #12 tie/plate, chairs & anchors, #1 w/ basket, #2 & #3 insulated gauge rods & transit clips	1	EA	$ 28,900.00	$ 28,900.00
9	#10 RH 115 RE Track Switch Upgrade Package (AREMA Std. Drawing 124-08) (MTS Switch Identification E17A) Provide new ties and plates #Ø, #1 & #2, #1 w/basket insulated gauge rod & transit clips and switch points (19' 6") for bolted heel blocks.	1	EA	$ 23,700.00	$ 23,700.00
	#10 LH 115 RE Track Switch Upgrade Package				

L1699.0-25 Owner Furnished Special Trackwork Procurement Phase 2 IFB

ATT 1 - Bid Form - Rev. 1

**** Fill in the Green Cells ****

Bid Item	DESCRIPTION	ESTIMATED QTY	Unit	Unit Price	Extended Price
10	(AREMA Std. Drawing 124-08) (MTS Switch Identification E13A & E13B) Provide new ties and plates #Ø, #1 & #2, #1 w/basket insulated gauge rod & transit clips	2	EA	$ 14,100.00	$ 28,200.00
11	#20 LH 115 RE Track Switch Upgrade Package (AREMA Std. Drawing 127-08) (MTS Switch Identification E21A & E21B) Provide new ties and plates #Ø, #1 & #2, #1 w/basket insulated gauge rod & transit clips. New ties, #Ø through #13	2	EA	$ 18,600.00	$ 37,200.00
12	#20 RH 115 RE Track Switch Upgrade Package (AREMA Std. Drawing 127-08) (MTS Switch Identification E11A & E11B and E23A & E23B) Provide new ties and plates #Ø, #1 & #2, #1 w/basket insulated gauge rod & transit clips. New ties, #Ø through #13	4	EA	$ 18,600.00	$ 74,400.00
13	9' - #1 Treated Hardwood Ties	350	EA	$ 151.00	$ 52,850.00
14	19' - 6" 115 RE Shop Bonded Insulated Joint Plugs	48	EA	$ 2,400.00	$ 115,200.00
15	39' - 0" 115 RE Shop Bonded Insulated Joint Plugs	17	EA	$ 3,500.00	$ 59,500.00
				Delivery Cost (One-time & If Applicable)	
				Sales Tax (8.5%)	$ 160,645.75
				Grand Total (BASIS OF AWARD)	$ 2,050,595.75

Costs shall be firm fixed, all-inclusive with the exception of California sales tax. MTS will calculate sales tax at purchase order issuance. Other than the CA sales tax, MTS will not pay any other additional costs.

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 14

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Purchase of Hardened Steel Rail – Contract Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. L1694.0-25 (in substantially the same format as Attachment A), with L.B. Foster Company (L.B. Foster) for the purchase of 736 tons of hardened steel rail, with the option to purchase an additional 368 tons, all in 320 linear feet (LF) lengths, for a total of $2,134,070.64 which includes delivery and California sales tax.

Budget Impact

The total cost of this contract is estimated to be $2,134,070.64 ($1,980,576.00 bid amount plus $1,153,494.64 CA 7.75 % sales tax per Attachment C). The contract will be funded through San Diego Trolley Inc. (SDTI) Track Operations Budget account 370016-545500.

DISCUSSION:

This contract secures a reliable supply of steel rail for planned trackwork projects, ensuring MTS has the necessary materials for both scheduled work and unforeseen maintenance. By purchasing in bulk, MTS can mitigate supply chain delays and achieve cost savings.

On January 10, 2025, MTS issued an Invitation for Bids (IFB) seeking a contractor who could provide and deliver the steel rail. Only one (1) bid was received on February 20, 2025, from L.B. Foster.

To confirm that the solicitation was not unduly restrictive, MTS conducted a post-proposal survey with prospective proposers requesting their reason(s) for not proposing. MTS did not receive any responses. Therefore, staff determined that neither the RFP nor MTS's procurement process played a role in their decision not to participate, and staff proceeded as a competitive solicitation.

Based on a comparison with the Independent Cost Estimate (ICE) and the MTS' past purchase history for steel rail per ton, MTS staff has determined L.B. Foster's price to be fair and reasonable.

Bidder	Total Bid Amount	Firm Certification
MTS ICE	$1,714,990.	
L.B. Foster Company	**$2,134,070.64**	**N/A**

Therefore, the staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. No. L1694.0-25 (in substantially the same format as Attachment A), with L.B. Foster Company to purchase 736 tons of steel rail with an option to purchase another 368 tons, in the total not to exceed the amount of $2,134,070.64 which includes delivery and California sales tax.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachments: A. Draft Agreement, MTS Doc. No. L1694.0-25
B. Bid Form

Metropolitan Transit System

STANDARD AGREEMENT

FOR

MTS DOC. NO. L1694.0-25

PURCHASE OF HARDENED STEEL RAIL

THIS AGREEMENT is entered into this _____ day of _____, 2025 in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: L.B. Foster Company

Address: 415 Holiday Dr. Ste 100

Pittsburgh PA 15220
City State Zip

Form of Business: Corporation
(Corporation, Partnership, Sole Proprietor, etc.)

Email: cmiller@lbfoster.com

Telephone: (331) 277-8020

Authorized person to sign contracts Sheen Fong (Name) Director (Title)

The Contractor agrees to provide goods as specified in the conformed Standard Agreement, including the General Conditions (Exhibit A), Scope of Work/Technical Specification (Exhibit B), and in accordance with Contractor's Bid Form (Exhibit C), the Federal Requirements (Exhibit D), and MTS Forms, (Exhibit E).

Payment terms shall be net 30 days from invoice date. The total cost for the for the base rail purchase is in the amount of $1,422,713.76 and $711,356.88 for the optional rail (inclusive of 7.75 CA sales tax). The total contract value shall not exceed $2,134,070.64 without the express written consent of MTS.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	L.B. FOSTER COMPANY
By: _____ Sharon Cooney, Chief Executive Officer Approved as to form: By: _____ Karen Landers, General Counsel	By _____ Title: _____

L1694.0-25

PROCUREMENT OF 115 RE HEAD HARDEND STEEL RAIL - BID FORM

ATT 1 - Bid Form

**** Fill in the Green Cells ****

Base

First delivery of 736 Tons of steel rail shall be within an estimated ninety (90) calendar days after MTS issues the Notice to Proceed.

Would you be able to meet this timeline?	Yes?	No? Provide lead time (in calendar days)
	Yes	

Description	Estimated Quantity (Unit of Measure Tons)	*Unit Cost	*Extended Cost
115RE Head Hardened Steel Rail	736	$ 1,794.00	$ 1,320,384.00
	Total Delivery Cost (If applicable)		$ -
		Total	**$ 1,320,384.00**

Option

shall be exercised at MTS discretion. (Late 2025)

Would you be able to meet this timeline?	Yes?	No? Provide lead time (in calendar days)
	Yes	

Description	Estimated Quantity (Unit of Measure Tons)	*Unit Cost	*Extended Cost
115RE Head Hardened Steel Rail	368	$ 1,794.00	$ 660,192.00
	Total Delivery Cost (If applicable)		$ -
		Total	**$ 660,192.00**

Overall total (Basis of Award) $ 1,980,576.00

*Costs shall be firm fixed, all-inclusive with the exception of California sales tax. MTS will calculate sales tax at purchase order issuance. Other than the CA sales tax, MTS will not pay any other additional costs.

*The above quantities are for bidding pruposes only and are based on MTS' current usage. They represent what MTS anticipates as a requirement, but MTS does not guarantee this quantity. The actual quantity ordered may be more or less than what is anticipated on the pricing form, and it is dictated by MTS actual requirements and the available funding at the time each order is initiated.

Bid Amount	**$**	**1,320,384.00**
7.75% CA Sales Tax	**$**	**102,329.76**
BaseTotal	**$**	**1,422,713.76**

Bid Amount	**$**	**660,192.00**
7.75% CA Sales Tax	**$**	**51,164.88**
Option Total	**$**	**711,356.88**

GRAND TOTAL $ 2,134,070.64

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 15

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Purchase of Refurbished Wheel Truing Machine – Sole Source Contract Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the issuance of a Purchase Order (PO) to Delta Wheel Truing Solutions for the purchase of a refurbished RTS 2000-DOM Above Floor Wheel Maintenance System for $558,250.00 including shipping and sales tax, upon terms substantially the same as Attachment A.

Budget Impact

The total cost of this contact is estimated to be $558,250.00. This will be funded by the San Diego Trolley Inc (SDTI) Light Rail Vehicle (LRV) operating budget account 999016-545500. Costs will be reimbursed by insurance.

DISCUSSION:

Wheel Truing Machine as Essential LRV Maintenance

One essential task of SDTI's LRV maintenance program is to maintain the profile of the wheels on the LRV fleet. Maintaining the proper profile is critical to ensure safe operations, proper rail to wheel interface and ride quality.

Since approximately 2018, the LRV department has owned two (2) wheel truing machines to perform this maintenance task. One machine is housed in the main LRV maintenance facility – Building C, and the second machine is housed in the smaller LRV maintenance facility – Building A. Prior to the flood event discussed below, the wheel truing machines were "in-ground" machines that were mounted in maintenance pits underneath the facilities' LRV maintenance tracks. Because of the significant damage caused by water submersion in these pits, a switch to above-ground machines are warranted to mitigate against damage caused by future flood events.



Damage Caused by January 22, 2024 Flooding

On January 22, 2024, the City of San Diego experienced severe flooding, which caused extensive damage to the Building A and Building C LRV maintenance facilities. The in-ground wheel truing machines in each building were fully submerged in contaminated floodwater. Upon inspection, the machines were deemed a total loss due to water intrusion.

Following an assessment of flood risks, including similar damage to a prior machine after a December 6, 2018 flood event, MTS staff concluded that future installations should avoid in-ground equipment to mitigate the potential for future damage.

MTS was forced to suspend wheel truing activities following the January 22, 2024 flood after both machines were destroyed. In April 2024, MTS executed an agreement (MTS Doc. No. L1673.0-24) with Carlos Guzman Inc. to purchase a used (4 ½ years in service) above-ground Delta RTS 2000 model truing machine for $910,000. This machine was delivered in July 2024 and is now operational in Building C. A replacement is still needed for Building A.

Replacement Wheel Truing Machine

The LRV Maintenance Department has determined that the replacement machine for Building A should also be an above-ground lathe-type unit, ensuring consistency in operations, training, and maintenance procedures. This configuration has been confirmed to be desirable based on MTS staff experience now using the RTS 2000 model machine in Building C since its delivery in July 2024. Once the effectiveness of the above-ground machine was confirmed, MTS staff researched options to purchase a second machine. MTS needs a new machine as soon as possible to restore normal LRV maintenance activities and schedules.

Staff research showed that procurement of a new machine from any manufacturer would require a lead time of 12 months or more, which is not operationally feasible. MTS staff also reached out to other transit authorities operating similar rolling stock to determine if another RTS 2000 or similar lathe type wheel truing machines were available for purchase in used or refurbished condition and found that no such units exist. Throughout this research, MTS has only identified one source for an above ground wheel truing machine that can be delivered expeditiously. Delta Wheel Truing Solutions, the original equipment manufacturer for the RTS 2000 wheel truing machine, has one factory-refurbished RTS 2000 Wheel Truing Lathe available for $500,000 plus tax and shipping. This machine is available for shipment within 3-4 weeks from Notice to Proceed (NTP). MTS was unable to identify another machine that meets our specifications and can be delivered in a comparable time frame.

The RTS 2000 model is already in service at MTS, which means that (i) maintenance personnel are already trained on its operation, eliminating the need for additional training; (ii) existing shop infrastructure supports this model, allowing for a seamless integration; and (iii) supply chain networks are already in place to provide spare parts and ongoing maintenance support.

MTS also considered if there were different types of wheel truing machines that might meet MTS's needs. The RTS 2000 model proposed for purchase today is a "lathe-type" machine. Another option in the market is a "mill-type" machine. However, MTS has determined that a lathe-type machine is the only suitable option for our maintenance operations. The San Diego light rail system operates grease flange lubricators, which cause material buildup on the wheels. Lathe-type machines are an industry standard design and are much more efficient in operation,

eliminating the need to thoroughly clean the wheels before machining, such as would be required when using a mill type machine. Use of a mill-type machine was rejected by staff because it would increase maintenance time and labor costs due to the additional cleaning required before machining, introduce potential safety risks associated with dissimilar processes for MTS staff and training from existing equipment, and create operational inefficiencies that would disrupt maintenance workflows and impact service schedules.

For these reasons, a lathe-type machine remains the most efficient, cost-effective, and practical solution for MTS's wheel maintenance needs.

MTS has reviewed Delta's cost proposal and determined that the pricing for the refurbished machine is fair and reasonable. An Independent Cost Estimate (ICE) was conducted based on:

- Previous RTS 2000 purchases by MTS ($910,000) and Sacramento Regional Transit ($1,063,204.75).
- Delta's current pricing for a new RTS 2000 machine ($1,113,964.13).

Purchasing this refurbished machine at a significantly lower cost ($558,250) than a new unit allows MTS to restore full maintenance capabilities quickly while maintaining fiscal responsibility.

Sole Source Justification

The procurement of this refurbished RTS 2000 Wheel Truing Lathe from Delta is justified as a sole source purchase due to:

- Urgency of replacement – A new machine would take over a year to procure, significantly impacting operations.
- Operational compatibility – The model is already in use, with trained personnel, existing infrastructure, and a reliable supply chain.
- Cost-effectiveness – The refurbished unit is a financially responsible alternative to purchasing a new machine.
- Technical suitability – A lathe-type machine is the only viable option for effective wheel maintenance, given the operating conditions in San Diego.

Therefore, staff recommends that the MTS Board of Directors authorize the issuance of a Purchase Order to Delta Wheel Truing Solutions for the purchase of a refurbished RTS 2000-DOM Above Floor Wheel Maintenance System for $558,250.00 including shipping and sales tax, upon terms substantially the same as Attachment A.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachment: A. Delta Wheel Truing Solutions Customer Quote # 2966 with MTS Specification

Delta Wheel Truing Solutions

3707 19th Avenue North
Escanaba, MI 49829
Phone: 906-233-1500 Fax: 906-233-1555
www.deltawheeltruingsolutions.net

Customer Quote

Date	Estimate #
3/5/2025	**2966**

Bill To	Ship To
San Diego Metropolitan Transit System Attn: Accounts Payable 1255 Imperial Ave. Suite 1000 San Diego CA 92101 E-mail: AP@sdmts.com	SDMTS Building B Attn: Alfonso Florian 1341 Commercial Street San Diego, CA 92113

Quote valid for 90 days.

Rep	Terms	Shipping Terms
SMC	See Below	FOB Escanaba, MI

Item	Description	Qty	Unit Price	Total
RTS2000-Refurbished	Refurbished to New Specifications - RTS2000-DOM Above Floor Wheel Maintenance System designed for maintenance of rail vehicles wheel sets. Includes: (1) Dual CNC wheel lathe heads (1) FANUC controller with hand iPendant (1) Hydraulic wheel lifting friction drives (1) Clamping system (1) Hydraulic power unit (1) Electrical control panel (10) Carbide inserts (1) Left hand tool holder assembly (1) Right hand tool holder assembly (1) Operator & maintenance manual (1) Factory 1 year warranty (1) Installation & Training Included Additional items available upon request. NOTE: This machine does not cut disc brakes. IMPORTANT: Customer must provide profile details and drawings to Delta Wheel Truing Solutions for programming purposes. Extra cost may accrue based on the number of profiles that need to be installed in the control. Please supply profile drawings at time of order.	1	500,000.00	500,000.00
Shipping Charge to Cust...	Shipping Charges to Customers	1	19,500.00	19,500.00
Sales Tax California	7.75% California Sales Tax Collected		38,750.00	38,750.00

All pricing is in US Dollars

Total

Delta Wheel Truing Solutions

3707 19th Avenue North
Escanaba, MI 49829
Phone: 906-233-1500 Fax: 906-233-1555
www.deltawheeltruingsolutions.net

Customer Quote

Date	Estimate #
3/5/2025	**2966**

Bill To	Ship To
San Diego Metropolitan Transit System Attn: Accounts Payable 1255 Imperial Ave. Suite 1000 San Diego CA 92101 E-mail: AP@sdmts.com	SDMTS Building B Attn: Alfonso Florian 1341 Commercial Street San Diego, CA 92113

Quote valid for 90 days.

Rep	Terms	Shipping Terms
SMC	See Below	FOB Escanaba, MI

Item	Description	Qty	Unit Price	Total
	TERMS: 50% Due Upon Receipt of Order. 40% Due Upon Shipment of Equipment. 10% Due Upon Completion of Installation NOTE: Sales Tax Due If Applicable. PRODUCTION LEAD TIME: 2-3 weeks A.R.O. "Production time is contingent upon existing purchase orders and current production levels SHIPPING: F.O.B. Escanaba, Michigan (Customer to pay all shipping and insurance) The buyer owns the in-transit freight. Cost of goods sold transfers from the seller to the buyer. SPECIAL NOTE AND CONDITIONS: 1. Customer is responsible for all civil works, rigging, loading/unloading, electrical power with one point connection, Ethernet connection for set-up and diagnostics prior to shipment, per Delta Wheel Truing Solutions specifications. 2. Customer is responsible to supply the man power and equipment needed for all hookups and assisting Delta Wheel Truing Solutions with installation. QUALITY POLICY: Delta Wheel Truing Solutions commits to customer satisfaction by controlling our environment through quality processes and continual improvement of man, machines, methods and measurements resulting in excellent customer service. Thank You for the Opportunity to quote you and your company.			

All pricing is in US Dollars

Total **$558,250.00**

Metropolitan Transit System

Project: RTS2000-DOM Above Floor Wheel Maintenance System

1. Overview

This scope of work (SOW) outlines the scope of purchase and delivery and commissioning of the DELTA RTS2000-DOM Above Floor Wheel Maintenance System. The system is designed for the maintenance of rail vehicle wheel sets and will be in fully refurbished condition to OE specs.

2. Deliverables

The contractor shall provide a fully refurbished RTS2000-DOM system with the following components and features:

- (1) Dual CNC wheel lathe heads
- (1) FANUC controller with hand iPendant
- (1) Hydraulic wheel lifting friction drives
- (1) Clamping system appropriate for SDMTS wheelsets
- (1) Hydraulic power unit
- (1) Electrical control panel
- (10) Carbide inserts
- (1) Left-hand tool holder assembly
- (1) Right-hand tool holder assembly
- (1) Operator & maintenance manual
- (1) Programming of SDMTS wheel profile
- (1) Factory 1-year warranty
- (1) Training and technical manuals for maintenance personnel

3. Scope of Services

The scope of services includes the following activities:

3.1 Refurbishment

- The RTS2000-DOM system shall be fully refurbished to meet original equipment manufacturer (OEM) specifications.
- The machine shall be configured to service MTS wheels, ensuring compatibility with required dimensions and performance standards.
- Calibration and testing to verify operational efficiency and compliance with performance standards.

3.2 Installation & Commissioning

- Delivery to San Diego's Maintenance facility of the refurbished RTS2000-DOM system.
- Assist with SDMTS with Electrical and hydraulic connections and integration with existing infrastructure.
- System calibration and functional testing to verify operational performance.

3.3 Training & Documentation

- On-site training for maintenance personnel covering system operation, troubleshooting, and safety procedures.
- Provide technical documentation and manuals for the machine.

3.4 Warranty & Support

- A factory 1-year warranty covering defects in materials and workmanship.
- Technical support and troubleshooting assistance during the warranty period.

4. Schedule

The project timeline will be determined at time of Purchase order issue. Desired deliver to occur in San Diego before June 30, 2025.

5. Acceptance Criteria

The project will be deemed complete when:

- The RTS2000-DOM system has been successfully refurbished, configured and installed.
- Functional testing confirms compliance with OEM specifications.
- Operators and maintenance personnel have been trained.
- Documentation, including manuals, has been provided.

6. Responsibilities

Client Responsibilities:

- Provide access to the installation site.
- Provide offload and movement services for the machine in San Diego upon delivery
- Ensure necessary infrastructure is in place (e.g., power supply, foundation, space requirements).
- Designate personnel for training.

Contractor Responsibilities:

- Complete refurbishment and installation per OEM specifications.
- Provide all necessary tools and materials for installation.
- Provide shipment and delivery to SDMTS Maintenance facility.
- Conduct training and deliver required documentation.
- Ensure compliance with safety and regulatory standards.

9. Payment Terms

Payment terms will be determined based on the contract agreement and may include milestone-based payments for refurbishment, delivery, installation, and training completion.

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 16

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

7th And C Street Grade Crossing Replacement – Work Order Agreement

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute Work Order No. MTSJOC348-18 (in substantially the same format as Attachment A), under MTS Doc. No. PWG348.0-22, in the amount of $961,744.18, with Veterans Engineering Inc. (Veterans), a Disabled Veterans Business Enterprise (DVBE), for the replacement of the existing grade crossing and installation of a duct bank to support future parallel feeder replacement at 7th and C Street in downtown San Diego.

Budget Impact

The total cost for this contract is estimated to be $961,744.18. Under separate MTS Doc. No. L1282.0-16 with The Gordian Group, MTS will pay a 1.76% job order contract (JOC) software license fee in the amount of $16,926.70. This project is funded by the Capital Improvement Program (CIP) 2005122502 – Grade Crossing Replacement and 2006114701 – Downtown Parallel Feeder Cable Construction.

DISCUSSION:

In January 2025, it was noted that the existing cast-in-place concrete at the 7th and C Street grade crossing had begun to heave, posing a safety risk to vehicles and especially pedestrians. This grade crossing has reached the end of its useful service life, and a full replacement is considered the most effective solution. Additionally, MTS is currently undertaking a project to replace the parallel feeder system throughout this corridor. Installing a new duct bank during the grade crossing replacement will eliminate the need for future excavation and trenching. Consequently, the scope of this project will also include the addition of a new duct bank.

This work will be completed by issuing a JOC work order to MTS's JOC contractor for railroad construction services. JOC is a procurement method under which public agencies may accomplish frequently encountered repairs, maintenance, and construction projects through a single, competitively procured long-term agreement.



The JOC program includes a catalog of pricing for a variety of potential tasks to be performed under the contract that have been pre-priced by the contractor, The Gordian Group. All potential contractors are subject to the pricing within this catalog. Each contractor then includes an adjustment factor, escalating their proposed price from the catalog price, to determine the total cost of the task order. The adjustment factor represents an average percentage increase over the catalog price (i.e., 1.25 adjustment factor represents 25% above the catalog price) for that respective task within the project. To select the lowest responsive and responsible bidder, MTS staff compares each contractor's proposed adjustment factor.

On June 16, 2022 (Agenda Item (AI) 12), after a competitive Invitation for Bids (IFB) process, the MTS Board authorized the CEO to execute MTS Doc. No. PWG348.0-22 with Veterans for Railroad Construction Services. Railroad Construction Services includes work that primarily consists of repair, remodeling, or other repetitive work involving railroad construction improvements. This includes, but is not limited to, main Continuous Welded Rail (CWR) track rehabilitation/replacement, grade crossings (precast concrete panels, rubber panels, paved with rubber rail interface) special track work, direct fixation, signal systems, overhead catenary, traction power, and related civil construction improvements work; and all required incidental professional and technical services required for quality control monitoring and testing, shop drawings, safety, environmental, scheduling, traffic control, storm water pollution prevention, geotechnical, surveying, biological, and hazardous/contaminated materials.

Today's proposed action will issue a work order to Veterans under this JOC master agreement. Staff has reviewed the pricing for this repair work order and determined it to be fair and reasonable. Veterans will be providing materials, labor, and equipment for the project. Veterans will not utilize any subcontractors on this project. Work is expected to be completed by July 2025.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Work Order No. MTSJOC348-18 (in substantially the same format as Attachment A), under MTS Doc. No. PWG348.0-22, in the amount of $961,744.18, with Veterans, for the replacement of the existing grade crossing and installation of a duct bank to support future parallel feeder replacement at 7th and C Street in downtown San Diego.

This work order is not subject to the Project Labor Agreement (PLA) approved under Board Policy No. 66 because it is under $1,000,000.00, and it is under a JOC agreement that was executed before the effective date of the PLA.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachment: A. Draft Job Order Contract MTSJOC348-18

Metropolitan Transit System

JOB ORDER CONTRACT
WORK ORDER

PWG348.0-22
CONTRACT NUMBER

MTSJOC348-18
WORK ORDER NUMBER

THIS AGREEMENT is entered into this _____ day of _____ 2025, in the state of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: Veterans Engineering Services, Inc. Address: 2300 N. Batavia St.

Form of Business: S. Corp. Orange, CA 92865
(Corporation, partnership, sole proprietor, etc.)

Telephone: (714) 733-1462

Authorized person to sign contracts: Paul Marshall COO
Name Title

Pursuant to the existing Job Order Contract (MTS Doc. No. PWG348.0-22), MTS issues a Work Order to Contractor to complete the detailed Scope of Work (attached hereto as Exhibit A), the Cost Breakdown for the Scope of Work (attached hereto as Exhibit B), and the Subcontractor List applicable to this Work Order (attached hereto as Exhibit C). Federal terms in accordance with the master agreement shall apply.

TOTAL PAYMENTS TO CONTRACTOR SHALL NOT EXCEED $961,744.18

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	VETERANS ENGINEERING SERVICES, INC.
By: _____ Sharon Cooney, Chief Executive Officer	Firm: _____
Approved as to form:	By: _____ Signature
By: _____ Karen Landers, General Counsel	Title: _____

DRAFT

EXHIBIT A
(Scope of Work)

DRAFT

San Diego Metropolitan Transit System
1255 Imperial Ave
San Diego, California 92101

Final Scope of Work

Date: 3/28/2025

Job Order Contracting

To: **From:**

Contract Number:	PWG348.0-22
Job Order Number:	MTSJOC348-18
Job Order Title:	7th and C Street Grade Crossing Replacement
Location:	7th and C St 1048 Seventh Ave San Diego, CA 92101
Brief Scope of Work:	This job order is for the replacement of the grade crossing located at the intersection of Seventh Ave and C St in San Diego.

DRAFT

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

The Contractor shall complete the construction of this project in its entirety, and shall provide all labor, materials, equipment, and traffic control required for all work including utility location and protection, demolition, track replacement, drainage, resurfacing, replacement of striping and pavement markings , procuring all materials, and performing all other work necessary to complete the work in accordance with this Detailed Scope of Work, and the Conformed Special Provisions.

This job order is for the replacement of the grade crossing located at the intersection of Seventh Ave and C St in San Diego.

This work requires but is not limited to the installation of head hardened rail, rubber rail interface, concrete crossties, galvanized e-clips, insulators, tie pads, ballast, 16 ounce filter fabric, reinforced concrete, asphalt concrete, and pavement markings. In addition, this work requires the removal and disposal of all existing track material, asphalt, concrete, filter fabric, waste, and spoils within the limits of work.

The contractor shall:

- Remove and dispose of 240 TF total: 120 TF from the eastbound track and 120 TF from the westbound track. This includes the existing precast concrete, asphalt, track, crossties, and subgrade material down to 9 inches below the ties.
- Conduct compaction testing to ensure the backfilled subgrade is compacted to 95% per modified Proctor (ASTM 1557D) standards.
- Install 240 TF total: 120 TF on the eastbound track and 120 TF on the westbound track, using 16 oz geotextile fabric placed on subgrade, with ballast placed 9 inches below the ties, concrete ties spaced

24 inches apart, and a rubber rail interface with a 2.5-inch flangeway.

Install PCCP and asphalt concrete as detailed in “MTSJOC348-18_Drawing” for a total of 160 TF: 80 TF on the eastbound track and 80 TF on the westbound track.

- Install eight inches of asphalt for a total of 80 TF: 20 TF on each side of the crossing outside of the PCCP limits.
- Install eight (8) 90#/115# compromise joint bars outside the crossing limits.
- Surface, line, and dress track.
- Procure all necessary city traffic control and noise permits.
- Install 120 LF of duct-bank consisting of 4 EA - 4 Inch schedule 40 conduits encased in red dyed 2500 psi concrete for high voltage.

Specifications:

All work shall conform to the Special Provisions within the executed MTS Job Order Contract (JOC) PWG348.0-22

Owner Furnished Material:

MTS will supply contractor with a total of 6 EA – 115# Head Hardened Rail in 80 foot strings located in the MTS yard at 1631 Newton Ave, San Diego, CA 92113. Contractor is responsible for transporting the material to the job site and cutting and welding as needed.

Submittals:

- Concrete Mix Design, Robertson's 6000 PSI Mix ID SM446B2R or approved equal.
- Asphalt Mix Design
- Concrete Ties
- Ballast
- 16 oz Geotextile fabric
- 90#/115# compromise joint bars
- Rubber Rail Interface
- Galvanized E Clips and other track materials (OTM)
- Traffic Control Permit
- Noise Permit
- Hour by Hour schedule

Construction Surveying:

All field construction surveying required for accurate horizontal and vertical location of railroad tracks and other various items of work on the contract shall be furnished by the Contractor. For track rehabilitation, the elevation and alignment of the new track shall, generally, be based on the location of the existing tracks as indicated on the plans. The Contractor shall provide the Engineer with the location and elevation of the existing track at 25’ intervals extending 100 feet beyond the project limits. The survey information shall be submitted within 30 calendars following Notice to Proceed for evaluation by MTS. The contractor shall replace all existing property corner markers and monuments and any local agency monuments disturbed

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during construction operations as directed by the Engineer. These new markers, monuments, and well monuments shall be on a record of survey map in accordance with applicable laws and regulations and filed in the Office of the County Recorder of San Diego County.

Existing Utilities:

The contractor shall notify the Engineer and Underground Service Alert (USA) (800) 422-4133 at least two working days, but not more than 14 calendar days, prior to performing any excavation or other work close to any underground pipeline, conduit, wire or other structure.

Signal wires, track circuits, platform lighting cables, irrigation lines or other MTS underground facilities may exist within the track way. The contractor is to locate and protect in-place all existing underground facilities. The contractor shall coordinate with SDTI MOW personnel in order to have said facilities located and marked out by Cable, Pipe & Leak Detection (CPL) (619) 660-0844 or other approved utility locating subcontractor familiar with MTS facilities. If the Contractor cannot protect in-place existing underground facilities, the Contractor shall replace any damaged or removed underground facilities in a timely manner as to not allow for extended delays to the trolley services. If the services are subject to extended delays, the contractor shall notify MTS prior to the expiring of the original scheduled work time. All existing MTS underground facilities located shall be as-built and included on the contractor's as-built drawings.

Where such facilities are not located on the plans, no work shall be performed near said facilities until the owner, or his representative, has located the facility by potholing, probing, or other means that locate and identify the facility.

The Contractor's attention is directed to the existence of overhead power lines, energized trolley wires, catenary poles, signals, and grade crossing signals at the locations of work. Any one or a combination of these obstructions could exist at any one location. No obstructions shall be permitted within 10 feet of operating tracks. The Contractor shall notify MTS at least 3 working days prior to excavating in the railroad right-of-way to locate buried cables.

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Schedule:

All work shall be complete as soon as possible with 90 calendar days from issuance of NTP. The work shall proceed using one (1) weekend for installation of the grade crossing. Staging of materials and partial demolition work may take place during revenue hours with prior approval and during non-revenue service. The contractor to provide ingress egress, including accessible wheelchair access and directional signage to include universal symbol for wheelchair access, for the passengers at all time during construction.

Work Windows:

The work to take place during one (1) weekend shutdown, the hours will be from 1:30 AM on Saturday to 4:30 AM on Monday.

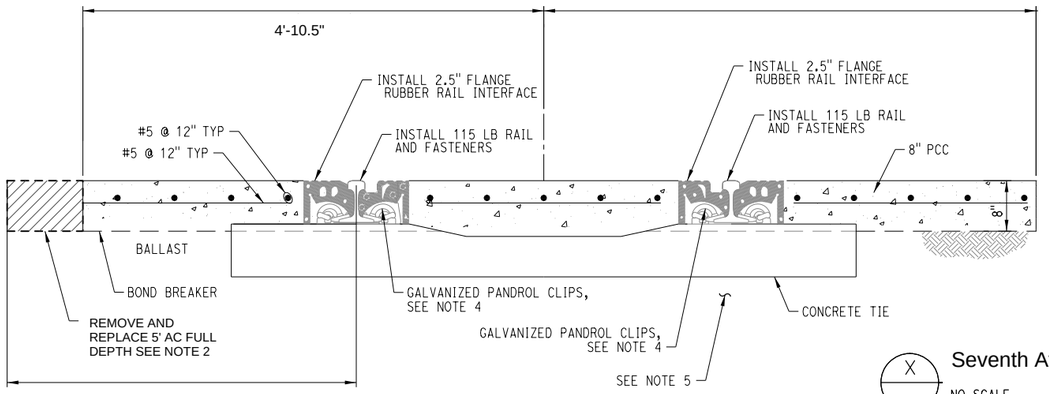
Weekday work to be performed between trains from 9:30 PM to 1:30 AM.

Weekday non-revenue service is from 1:30 AM to 4:30 AM.

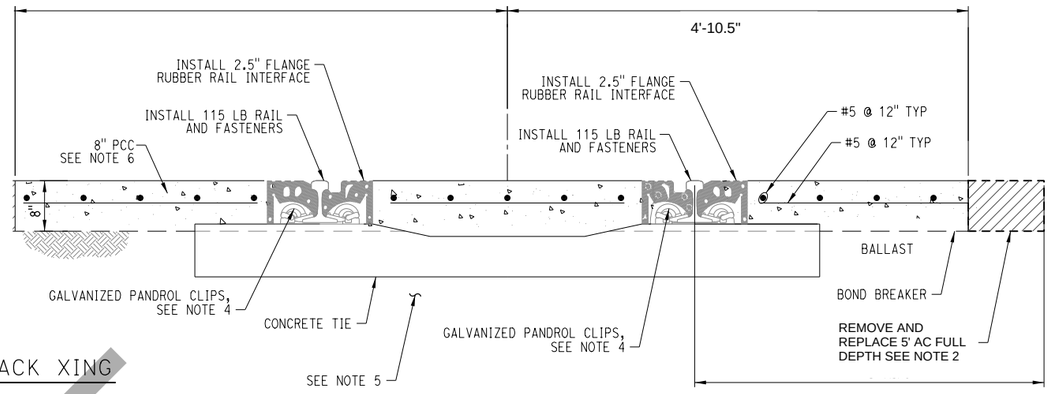
Special Events: Contractor to schedule the work around special events such as Rock N Roll, Marathon Padres, Chargers, Comicom etc. and to coordinate with City and MTS projects.

All job orders include the labor, equipment, and material costs for a complete and in-place installation, unless otherwise noted.

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8" PCC Should be placed between tracks



X Seventh Ave & C St

NO SCALE

CONCRETE TRACK XING

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NOTES:

2. HOT MIX ASPHALT SHALL BE TYPE B AND PRODUCED FROM COMMERCIAL QUALITY ASPHALT AND AGGREGATES. AGGREGATE FOR BASE COURSE SHALL CONFORM TO THE 3/4" MAXIMUM. AGGREGATE FOR WEARING COURSE SHALL CONFORM TO THE 1/2" MAXIMUM. THE FIRST TWO LIFTS SHALL CONSIST OF BASE COURSE PAVING AND A WEARING COURSE SHALL BE PROVIDED ONLY WHEN A SINGLE LIFT IS REQUIRED. PAVING ASPHALT SHALL BE GRADE AR-4000. THE AMOUNT OF ASPHALT BINDER TO BE MIXED WITH THE AGGREGATE WILL BE 5.0 TO 7.7 PERCENT BY WEIGHT OF DRY AGGREGATE.

4. FOR ALL RAIL CLIPS AND RUBBER RAIL INTERFACE ASSEMBLIES, SEE REFERENCE DRAWING RAC0159.

5. ASSUME 9-INCH BALLAST DEPTH UNDER TIES. STAY ABOVE HARDPAN.

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3

EXHIBIT B
(Cost Breakdown)

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Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $961,744.18
Approved Date: March 28, 2025

Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Division		Install Total	NPP Total	Demo Total	Division Total
01	General Requirements	$740,911.10	$0.00	$0.00	$740,911.10
02	Existing Conditions	$35,348.32	$0.00	$0.00	$35,348.32
31	Earthwork	$4,567.48	$0.00	$0.00	$4,567.48
32	Exterior Improvements	$29,799.49	$0.00	$0.00	$29,799.49
34	Transportation	$126,819.24	$0.00	$4,197.73	$131,016.97
50	Custom Standards And Assemblies	$20,100.82	$0.00	$0.00	$20,100.82
	Total:	**$957,546.45**	**$0.00**	**$4,197.73**	**$961,744.18**

Line Count: 55 **Proposal Total: $961,744.18**

Total Reflects Filtered Statuses: Added, Clarification Requested, Clarified, Confirmed Removal, Modified, No Change, OverRuled, Rejected, Removed, Retained, System Removal Acknowledged by Contractor, System Removal Acknowledged by Owner, System Removed

The Percentage of Non Pre-Priced on this Proposal: 0.0%

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** Includes Price Changes due to Construction Task Catalog update*

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Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

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01 General Requirements **$740,911.10**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
1	012220000006	Carpenter	Install	300.00	$87.30	HR	1.3921	$36,459.10

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

Owner Comments: *V:1.2-4th and C had 300 hrs. Why the additional 200 hrs?*

Item Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

Total:	**$36,459.10**
Division 01 General Requirements Total:	**$36,459.10**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
2	012220000006	Carpenter	Install	200.00	$87.30	HR	1.2993	$22,685.78

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

Item Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

Total:	**$22,685.78**
Division 01 General Requirements Total:	**$22,685.78**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
3	012220000008	Cement Mason	Install	1,300.00	$73.03	HR	1.3921	$132,164.58

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

Owner Comments: *V:1.2-4th and C St had 1280 hrs, why the additional hrs?*

Item Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

Total:	**$132,164.58**
Division 01 General Requirements Total:	**$132,164.58**

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
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Approved Date: March 28, 2025

Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
4	012220000008	Cement Mason	Install	300.00	$73.03	HR	1.2993	$28,466.36

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

Item Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

Total:	**$28,466.36**
Division 01 General Requirements Total:	**$28,466.36**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
5	012220000013	Equipment Operator (Crane Group 8)	Install	800.00	$96.74	HR	1.3921	$107,737.40

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

Owner Comments: *V:1.2-4th and C St had 800 hrs, why the additional hrs?*

Item Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

Total:	**$107,737.40**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
6	012220000013	For Foreman, Add **MOD: 0001**	Install	0.00	$4.84	HR	1.3921	$0.00

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials No**

Total:	**$0.00**
Division 01 General Requirements Total:	**$107,737.40**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $961,744.18
Approved Date: March 28, 2025

Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
7	012220000013	Equipment Operator (Crane Group 8)	Install	50.00	$96.74	HR	1.2993	$6,284.71

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

Item Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

Total: $6,284.71

Division 01 General Requirements Total: $6,284.71

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
8	012220000015	Equipment Operator (Crane Group 10)	Install	300.00	$98.30	HR	1.3921	$41,053.03

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

Owner Comments: *V:1.2-4th and C St had 300 hrs, why the addtional hrs?*

Item Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

Total: $41,053.03

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
9	012220000015	For Foreman, Add	MOD: 0001	Install	0.00	$4.92	HR	1.3921	$0.00

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials No

Total: $0.00

Division 01 General Requirements Total: $41,053.03

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Price Proposal Detail Report

By Division
Version: 2.0
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Proposal Value: $961,744.18
Approved Date: March 28, 2025

Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
10	012220000015	Equipment Operator (Crane Group 10)	Install	50.00	$98.30	HR	1.2993	$6,386.06

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

Item Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

Total:	**$6,386.06**
Division 01 General Requirements Total:	**$6,386.06**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
11	012220000027	Laborer	Install	1,300.00	$73.42	HR	1.3921	$132,870.38

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

Owner Comments: *V:1.2-Adjusted factor because if this is due to double handled material, the work will not occur during the AWW and therefore, the factor should not be that high.*

Item Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

Total:	**$132,870.38**
Division 01 General Requirements Total:	**$132,870.38**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
12	012220000082	Project Manager	Install	200.00	$116.25	HR	1.2993	$30,208.73

Accepted

History: 1.1 Added,1.2 Modified,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials No**

User Note: Structures Manager

Total:	**$30,208.73**
Division 01 General Requirements Total:	**$30,208.73**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
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Proposal Value: $961,744.18
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Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
13	012220000082	Project Manager	Install	120.00	$116.25	HR	1.2993	$18,125.24

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

User Note: Track Manager

Total:	**$18,125.24**
Division 01 General Requirements Total:	**$18,125.24**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
14	012220000084	Flagperson For Traffic Control	Install	200.00	$73.42	HR	1.2993	$19,078.92

Accepted

History: 1.3 Added,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

Total:	**$19,078.92**
Division 01 General Requirements Total:	**$19,078.92**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
15	012223000219	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	Install	3.00	$1,401.76	DAY	1.3921	$5,854.17

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

Owner Comments: *V:1.2-Project will take place over an AWW, days adjusted to reflect that.*

Total:	**$5,854.17**
Division 01 General Requirements Total:	**$5,854.17**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

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Version: 2.0
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Proposal Value: $961,744.18
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Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
16	012223000275	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	Install	4.00	$1,091.61	DAY	1.3921	$6,078.52

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Modified,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

Total:	**$6,078.52**
Division 01 General Requirements Total:	**$6,078.52**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
17	012223000353	3/4 CY Hydraulic Excavator With Full-Time Operator	Install	4.00	$1,189.78	DAY	1.3921	$6,625.17

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Modified,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

Total:	**$6,625.17**
Division 01 General Requirements Total:	**$6,625.17**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
18	012223000353	3/4 CY Hydraulic Excavator With Full-Time Operator	Install	4.00	$418.90	DAY	1.2993	$2,177.11

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Modified,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Owner Comments: *V:1.2-Adjusted factor for this one assuming that it will not be in railroad ROW for 8 days.*

Total:	**$2,177.11**
Division 01 General Requirements Total:	**$2,177.11**

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Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
19	012223000389	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	Install	4.00	$509.04	DAY	1.3921	$2,834.54

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Modified,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $2,834.54

Division 01 General Requirements Total: $2,834.54

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
20	012223000459	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	Install	6.00	$1,682.06	DAY	1.3921	$14,049.57

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: Loader is needed for double handling material.

Total: $14,049.57

Division 01 General Requirements Total: $14,049.57

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
21	012223000653	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	Install	20.00	$145.52	DAY	1.2993	$3,781.48

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $3,781.48

Division 01 General Requirements Total: $3,781.48

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Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
22	012223001306	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	Install	10.00	$799.65	DAY	1.2993	$10,389.85

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

Total: $10,389.85

Division 01 General Requirements Total: $10,389.85

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
23	012223001306	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	Install	10.00	$799.65	DAY	1.2993	$10,389.85

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

Total: $10,389.85

Division 01 General Requirements Total: $10,389.85

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
24	012223001322	18 CY Rear Dump Truck With Full-Time Truck Driver	Install	10.00	$1,726.52	DAY	1.2993	$22,432.67

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

Owner Comments: *V:1.2-This dump truck will only be in the railroad ROW during the closure.*

Total: $22,432.67

Division 01 General Requirements Total: $22,432.67

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Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
25	012223001350	500 To 600 Gallon Water Trailer With Pump	Install	5.00	$114.75	DAY	1.3921	$798.72

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total:	**$798.72**
Division 01 General Requirements Total:	**$798.72**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
26	012223001366	Speedswing Loader	Install	10.00	$347.26	DAY	1.3921	$4,834.21

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total:	**$4,834.21**
Division 01 General Requirements Total:	**$4,834.21**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
27	015219000002	Portable Chemical Toilet	Install	5.00	$63.29	WK	1.2993	$411.16

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total:	**$411.16**
Division 01 General Requirements Total:	**$411.16**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $961,744.18
Approved Date: March 28, 2025

Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
28	015219000008	Two Station Portable Handwash	Install	4.00	$31.18	WK	1.2993	$162.05

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total:	**$162.05**
Division 01 General Requirements Total:	**$162.05**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
29	015526000098	Trailer Mounted Portable Variable Message Sign (PVMS)	Install	2.00	$536.00	WK	1.2993	$1,392.85

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total:	**$1,392.85**
Division 01 General Requirements Total:	**$1,392.85**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
30	016500000006	>125' To 500' Material Handling On Site With Dump Truck Or Flat Bed Truck	Install	400.00	$12.00	EA	1.3921	$6,682.08

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Total:	**$6,682.08**
Division 01 General Requirements Total:	**$6,682.08**

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 2.0
Approved
Proposal Value: $961,744.18
Approved Date: March 28, 2025

Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
31	017113000002	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck	Install	20.00	$233.80	EA	1.2993	$6,075.53

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.

Total:	**$6,075.53**
Division 01 General Requirements Total:	**$6,075.53**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
32	017113000003	>25 Miles, Equipment Delivery And Pickup Using A Rollback Flatbed Truck	Install	400.00	$3.75	MI	1.2993	$1,948.95

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Item Note: Excludes first 25 miles.

Total:	**$1,948.95**
Division 01 General Requirements Total:	**$1,948.95**

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By Division
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Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
33	017136000008	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	Install	3.00	$428.80	EA	1.2993	$1,671.42

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Modified,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Item Note: Includes GPS coordinates of located items and reference items.

Total:	**$1,671.42**
Division 01 General Requirements Total:	**$1,671.42**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
34	017419000021	Rampless Concrete Washout Bin	Install	1.00	$555.08	MO	1.3921	$772.73

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Item Note: Includes delivery.

Total:	**$772.73**
Division 01 General Requirements Total:	**$772.73**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
35	017419000036	General Refuse	Install	275.00	$44.01	TON	1.3921	$16,848.24

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total:	**$16,848.24**
Division 01 General Requirements Total:	**$16,848.24**

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By Division
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Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
36	017419000040	Hauling On Paved Roads, Miles Over Initial 15 Miles	Install	1,100.00	$0.71	CYM	1.3921	$1,087.23

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

Total:	**$1,087.23**
Division 01 General Requirements Total:	**$1,087.23**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
37	017419000046	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles	Install	200.00	$123.50	EA	1.2993	$32,092.71

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

Item Note: Each first 15 miles per trip

Total:	**$32,092.71**
Division 01 General Requirements Total:	**$32,092.71**
02 Existing Conditions	**$35,348.32**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
38	024119130061	Saw Cut Concrete Block Up To 4" Depth	Install	1,200.00	$6.59	LF	1.3921	$11,008.73

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Total:	**$11,008.73**
Division 02 Existing Conditions Total:	**$11,008.73**

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By Division
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Approved Date: March 28, 2025

Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
39	024119130067	Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth	Install	1,200.00	$2.32	LF	1.3921	$3,875.61

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Total:	**$3,875.61**
Division 02 Existing Conditions Total:	**$3,875.61**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
40	029050000114	Project Director / Document Consultant / Account Manager For Emergency Clean Up	Install	100.00	$157.50	HR	1.2993	$20,463.98

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

Total:	**$20,463.98**
Division 02 Existing Conditions Total:	**$20,463.98**
31 Earthwork	**$4,567.48**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
41	312323230002	Compaction Water, Water Truck And Operator	Install	20.00	$164.05	MGL	1.3921	$4,567.48

Accepted

History: 1.1 Added,1.2 Clarification Requested,1.3 Clarified,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Owner Comments: *V:1.2-Project Director should not get adjustment factor for weekend work.*

Contractor Comments: *V:1.3-Dust Control and used to control concrete curing process*

Item Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00 1329 for water truck when water is available on site.

Total:	**$4,567.48**
Division 31 Earthwork Total:	**$4,567.48**
32 Exterior Improvements	**$29,799.49**

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Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
42	321116160003	Class II Graded Crushed Aggregate Roadway Base Course	Install	60.00	$42.44	CY	1.3921	$3,544.84
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***						
		Includes Labor No Includes Equipment Yes Includes Materials Yes						
							Total:	**$3,544.84**
							Division 32 Exterior Improvements Total:	**$3,544.84**

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Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
43	321313330007	8" 4,500 PSI Concrete Paving Assembly	Install	225.00	$83.21	SY	1.3921	$26,063.24

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Owner Comments: *V:1.2-80 ft x approximately 25 ft is 225 SY*

Total:	**$26,063.24**

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
44	321313330007	For 5,000 PSI Concrete, Add	**MOD: 0023**	Install	0.00	$0.72	SY	1.3921	$0.00

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials No

Total:	**$0.00**

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
45	321313330007	For <12' Wide Pass, Add	**MOD: 0025**	Install	0.00	$14.10	SY	1.3921	$0.00

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted

Includes Labor No Includes Equipment No Includes Materials No

Total:	**$0.00**
Division 32 Exterior Improvements Total:	**$26,063.24**

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Price Proposal Detail Report

By Division
Version: 2.0
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Proposal Value: $961,744.18
Approved Date: March 28, 2025

Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
46	321723130004	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	Install	250.00	$0.55	LF	1.3921	$191.41
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$191.41**
Record #	**CSI Number**	**Description**	**Type**	**Quantity**	**Unit Price**	**UOM**	**Factor**	**Line Total**
47	321723130004	For 20 Mil Thickness, Add **MOD: 0048**	Install	0.00	$0.13	LF	1.3921	$0.00
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***						
		Includes Labor No Includes Equipment No Includes Materials No						
							Total:	**$0.00**
							Division 32 Exterior Improvements Total:	**$191.41**
34 Transportation								**$131,016.97**
Record #	**CSI Number**	**Description**	**Type**	**Quantity**	**Unit Price**	**UOM**	**Factor**	**Line Total**
48	341113230003	Field Welding Kit	Install	8.00	$247.80	EA	1.3921	$2,759.70
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***						
		Includes Labor No Includes Equipment Yes Includes Materials Yes						
							Total:	**$2,759.70**
							Division 34 Transportation Total:	**$2,759.70**

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Price Proposal Detail Report

By Division
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Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
49	341113230007	Furnish And Install Compromise Joint All Rail Size Combinations	Install	8.00	$564.61	EA	1.3921	$6,287.95
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***						
		Includes Labor No Includes Equipment Yes Includes Materials Yes						
		Item Note: Note: Includes bars, bolts, spring washers and nuts						
							Total:	**$6,287.95**
							Division 34 Transportation Total:	**$6,287.95**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
50	341113230010	Ballast	Install	250.00	$48.38	CY	1.3921	$16,837.45
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	220.00	$0.00	CY	1.3921	$0.00
		Includes Labor No Includes Equipment Yes Includes Materials Yes						
		Item Note: 1.35 CY/Ton						
							Total:	**$16,837.45**
							Division 34 Transportation Total:	**$16,837.45**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
51	341113230026	8'-3" Concrete Ties With Rail Seat For 115 LB Track With 115 LB Guard Rail	Install	120.00	$267.12	EA	1.3921	$44,622.93
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***	**Demo:**	120.00	$0.00	EA	1.3921	$0.00
		Includes Labor No Includes Equipment Yes Includes Materials Yes						
							Total:	**$44,622.93**
							Division 34 Transportation Total:	**$44,622.93**

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Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
52	341193000018	8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY	Install	5.00	$1,296.19	EA	1.3921	$9,022.13
Accepted		*History: 1.1 Added,1.2 Accepted,1.3 Modified,1.4 Accepted,1.5 Accepted,2.0 Accepted*	Demo:	5.00	$578.12	EA	1.3921	$4,024.00
		Includes Labor No Includes Equipment Yes Includes Materials Yes						
							Total:	**$13,046.13**
							Division 34 Transportation Total:	**$13,046.13**
53	341193000029	EPFLEX® Railseal Interface For Resistive Material	Install	240.00	$141.54	TF	1.3921	$47,289.08
Accepted		*History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted*	Demo:	240.00	$0.52	TF	1.3921	$173.73
		Includes Labor No Includes Equipment Yes Includes Materials Yes						
							Total:	**$47,462.81**
							Division 34 Transportation Total:	**$47,462.81**
50 Custom Standards And Assemblies								**$20,100.82**
54	508983200158	CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE)	Install	480.00	$14.16	LF	1.3921	$9,461.83
Accepted		*History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted*						
		Includes Labor No Includes Equipment Yes Includes Materials Yes						
							Total:	**$9,461.83**
							Division 50 Custom Standards And Assemblies Total:	**$9,461.83**

DRAFT

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Job Order: MTSJOC348-18
Job Order Name: 7th and C Street Grade Crossing Replacement
Location: 7th and C St 1048 Seventh Ave San Diego, CA 92101

Contractor: Veteran's Engineering Services
Contract Number: PWG348.0-22
Contract Name: JOC General Railroad Construction Services - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
55	508987710003	CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL	Install	40.00	$191.06	CY	1.3921	$10,638.99
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,1.4 Accepted,1.5 Accepted,2.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						

Total:	**$10,638.99**
Division 50 Custom Standards And Assemblies Total:	**$10,638.99**
Proposal Total:	**$961,744.18**
Div **The Percentage of Non Pre-Priced on this Proposal:**	**0.0%**

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

EXHIBIT C
(Subcontractor List)

DRAFT

San Diego Metropolitan Transit System
1255 Imperial Ave
San Diego, CA 92101

Subcontractor Report

Date: 3/28/2025

Job Order Contracting

Contract #: PWG348.0-22

Job Order #: MTSJOC348-18

Job Order Title: 7th and C Street Grade Crossing Replacement

Job Order Value: $961,744.18

Location: 7th and C St

Contractor: Veteran's Engineering Services

Subcontractor:

Subcontractor Name	License Number	Describe Nature of Work (Trade)	Certifications	Subcontractor Total	Participation %

Summary

Certification Name	Value	% Subcontracted
Total		**0.00%**

DRAFT

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 17

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

El Cajon Transit Center Repairs – Work Order Agreement

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute Work Order Agreement No. MTSJOC347-40 (in substantially the same format as Attachment A), under MTS Doc. No. PWG347.0-22, with ABC General Contractor, Inc. (ABCGC), in the amount of $926,204.08 for the El Cajon Transit Center Repairs.

Budget Impact

The total contract cost for this contract is estimated to be $926,204.08. Under separate MTS Doc. No. L1282.0-16 with The Gordian Group, MTS will pay a 1.76% job order contract (JOC) software license fee in the amount of $16,301.19. The project will be funded by the San Diego Trolley Inc. (SDTI) Facilities Operations Budget account 380016-571142 and by the Capital Improvement Program (CIP) 2005113501 – El Cajon Third Track.

DISCUSSION:

The asphalt in the upper parking lot and taxi lane of the lower lot at the El Cajon Transit Center has deteriorated beyond its useful life, exhibiting extensive cracking and potholes. Some areas require complete removal and replacement, while others will be milled and overlaid. This work is funded through the SDTI Facilities Operations Budget and aims to restore safe driving surfaces.

Tripping hazards have also been identified along the eastbound and westbound trolley platforms. To mitigate these risks, the existing concrete sections will be removed and replaced with color-matched, reinforced Portland Cement Concrete Pavement (PCCP). This repair, funded by the SDTI Facilities Operations Budget, must be completed to ensure passenger safety.

The wrought iron handrails surrounding the station are rusted and loosening in several areas, presenting a safety hazard. The replacement of these handrails will also be funded through the SDTI Facilities Operations Budget.

Finally, the curb island in the lower parking lot requires reconstruction to comply with current ADA parking standards. Originally part of the El Cajon Third Track project (PWL341.0-22), this work was removed from that contract and is now included in this JOC work order, utilizing CIP funding from 2005113501 – El Cajon Third Track.

This work will be completed by issuing a JOC work order to MTS's JOC contractor for railroad construction services. JOC is a procurement method under which public agencies may accomplish frequently encountered repairs, maintenance, and construction projects through a single, competitively procured long-term agreement.

The JOC program includes a catalog of pricing for a variety of potential tasks to be performed under the contract that have been pre-priced by the contractor, The Gordian Group. All potential contractors are subject to the pricing within this catalog. Each contractor then includes an adjustment factor, escalating their proposed price from the catalog price, to determine the total cost of the task order. The adjustment factor represents an average percentage increase over the catalog price (i.e., 1.25 adjustment factor represents 25% above the catalog price) for that respective task within the project. To select the lowest responsive and responsible bidder, MTS staff compares each contractor's proposed adjustment factor.

On April 12, 2019, MTS issued an Invitation for Bids (IFB) for an on-call JOC contractor to perform general civil construction, including repairs, remodeling, and site improvements such as earthwork, utilities, paving, concrete, drainage, landscaping, and related services.

Three (3) bids were received, and MTS determined that ABCGC was the lowest responsive and responsible bidder. On June 13, 2019 ((Agenda Item (AI) 12), the MTS Board of Directors authorized the CEO to execute MTS Doc. No. PWG347.0-22 with ABCGC for Civil Construction Services.

Today's proposed action would issue a work order to ABCGC under this JOC master agreement. Staff has reviewed the pricing for this repair work order and determined it to be fair and reasonable. ABCGC will be providing materials, labor and equipment for this project. A list of subcontractors is included in Attachment A. Work is expected to be completed by August 2025.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Work Order MTSJOC347-40 under JOC to MTS Doc. No. PWG347.0-22 (in substantially the same format as Attachment A), with ABCGC, in the amount of $926,204.08 for the El Cajon Transit Center Repairs.

This work order is not subject to the Project Labor Agreement (PLA) approved under Board Policy No. 66 because it is under $1,000,000.00, and it is under a JOC agreement that was executed before the effective date of the PLA.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachment: A. Draft Job Order Contract MTSJOC347-40

Metropolitan Transit System

JOB ORDER CONTRACT
WORK ORDER

PWG347.0-22
CONTRACT NUMBER

MTSJOC347-40
WORK ORDER NUMBER

THIS AGREEMENT is entered into this _____ day of _____ 2025, in the state of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: ABC General Contractor, Inc.

Address: 3120 National Avenue
San Diego, CA 92113

Form of Business: Corporation
(Corporation, partnership, sole proprietor, etc.)

Telephone: (619) 937-1010

Authorized person to sign contracts: Travis Brozowski (Name) President (Title)

Pursuant to the existing Job Order Contract (MTS Doc. No. PWG347.0-22), MTS issues a Work Order to Contractor to complete the detailed Scope of Work (attached hereto as Exhibit A), the Cost Breakdown for the Scope of Work (attached hereto as Exhibit B), and the Subcontractor List applicable to this Work Order (attached hereto as Exhibit C). Federal terms in accordance with master agreement shall apply.

TOTAL PAYMENTS TO CONTRACTOR SHALL NOT EXCEED $926,204.08

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	ABC GENERAL CONTRACTOR, INC.
By: _____ Sharon Cooney, Chief Executive Officer	Firm: _____
Approved as to form:	By: _____ Signature
By: _____ Karen Landers, General Counsel	Title: _____

DRAFT

EXHIBIT A
(Scope of Work)

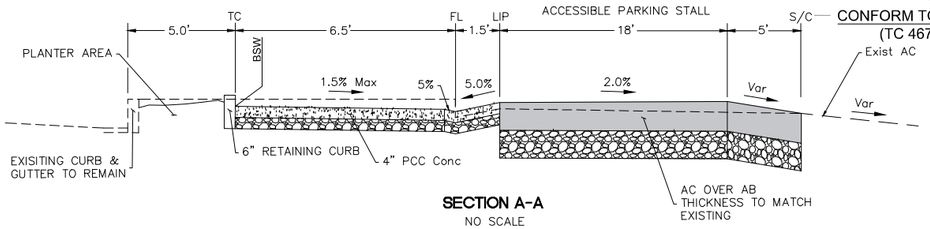
DRAFT

NOTES:

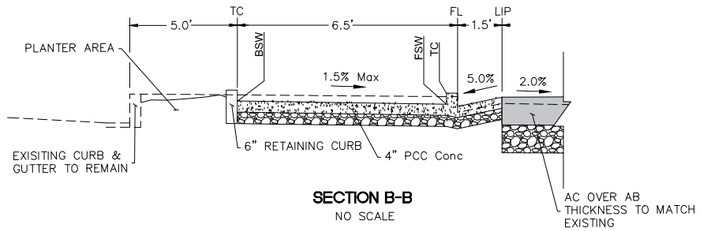
1. CONTRACTOR TO ADJUST LIMIST OF AC PAVEMENT AS NEEDED TO AVOID GRADE BREACKS AND TO SMOOTHLY TRANSITION TO EXISTING PAVEMENT GRADES.
2. STAMPED CONCRETE MEDIAN PER CITY OF SAN DIEGO STD. DWG. SDG-112.
3. STRIPING,PAVEMENT MARKINGS, AND IDENTIFICATION SIGNS PER CITY OF SAN DIEGO STD. DW. SDM-117.

ABBREVIATION:

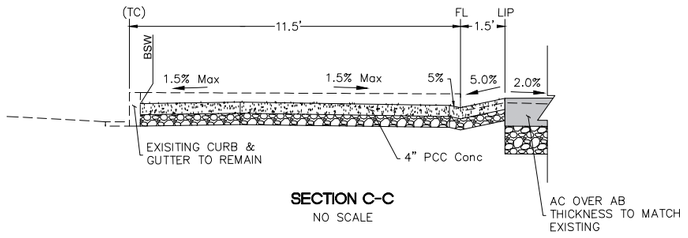
BSW	BACK OF SIDEWALK
FSW	FRONT OF SIDEWALK
TC	TOP OF CURB
LG	LIP OF GUTTER
FS	FINISHED SURFACE



SECTION A-A
NO SCALE

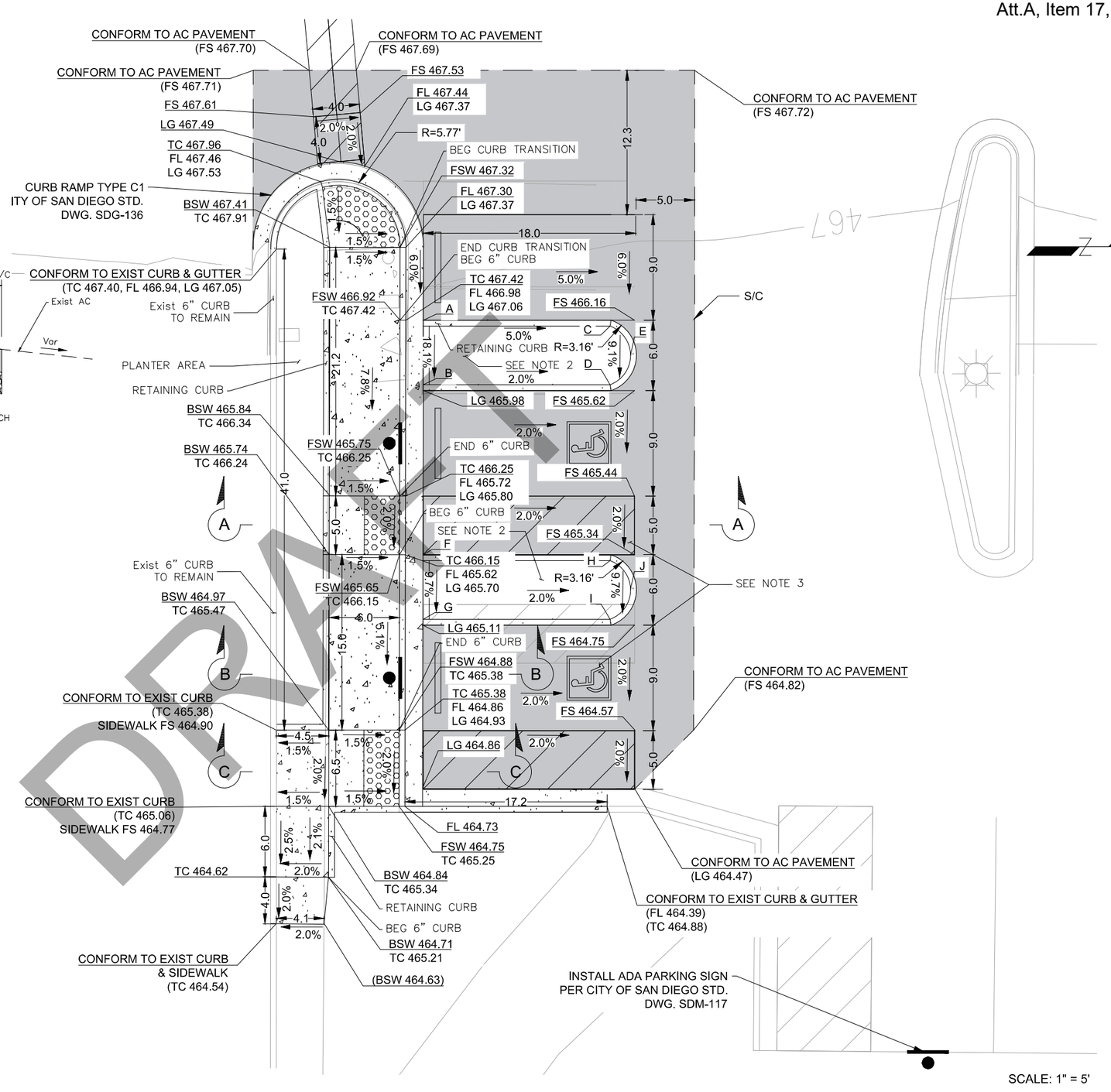


SECTION B-B
NO SCALE



SECTION C-C
NO SCALE

POINTS	CURB HT (IN)	TC ELEV (FT)
A	6	467.56
B	6	466.48
C	6	466.76
D	6	466.16
E	6	466.38
F	6	466.20
G	6	465.61
H	6	465.88
I	6	465.29
J	6	465.54



SCALE: 1" = 5'

DRAFT

No.	DATE	REVISION	BY	CHK	APRV

MOTT MACDONALD
750 B Street, Suite 2880
San Diego, CA 92101
Tel: 619-881-0400

RELATIVE BORDER SCALE IS IN INCHES 0 1 2

DESIGNED BY E. DA SILVA	DATE 7/24	
DRAWN BY E. DA SILVA	7/24	
CHECKED BY B. GARRETSON	7/24	
PRJ. ENG. B. GARRETSON	7/24	

Metropolitan Transit System

El Cajon Transit Center Repair

CONSTRUCTION DETAIL
CURB RAMP

SCALE NO SCALE
CONTRACT NO. MTSJOC347-40
DRAWING NO. A-5
SHEET NO. 182

DAS106786 0851 23-Jul, 2024

E:\TCST-CDD\-RFL_182 R2(2D)\-A.dwg

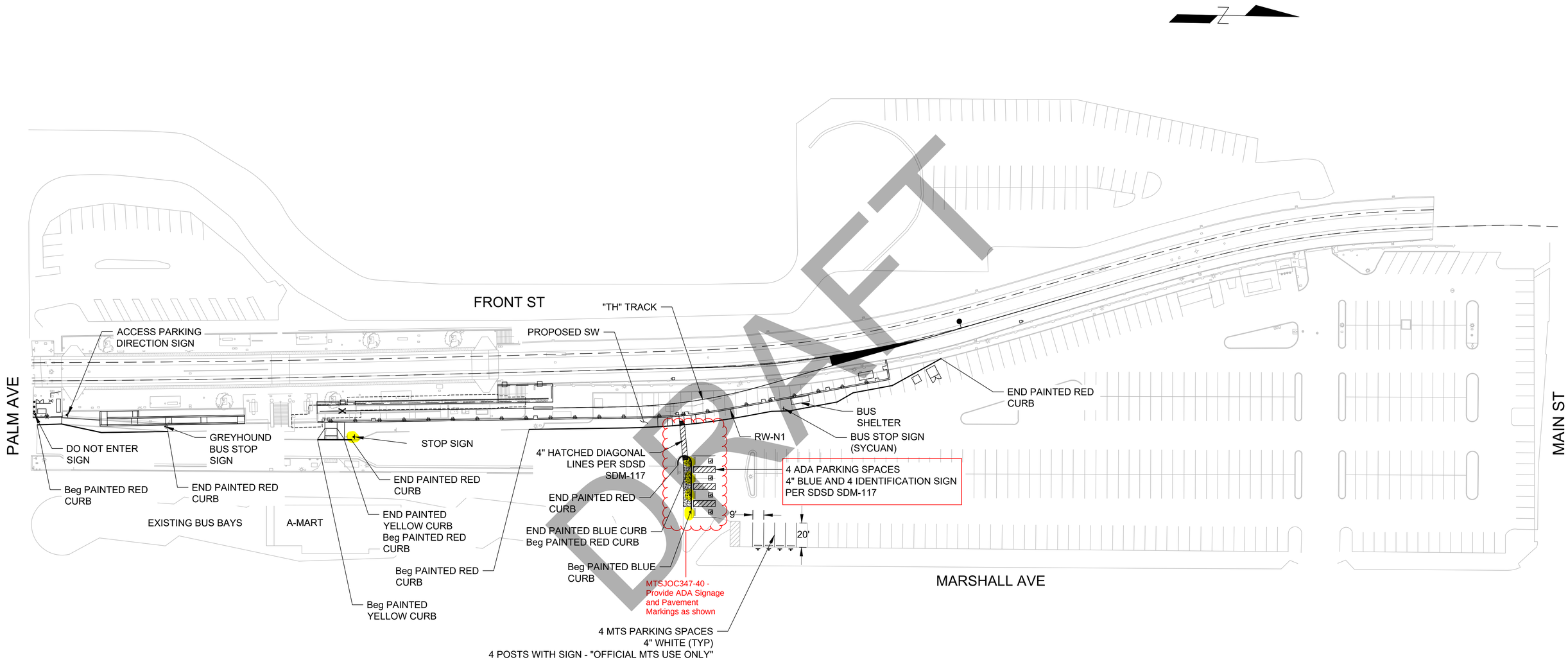
NOTES:

1. RESTRIPE ADA SPACES = 4
2. RELOCATE MTS SPACES = 4
3. ALL PAVEMENT STRIPING AND LEGEND SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED ON THE PLANS
4. EXACT LOCATION OF PAVEMENT DELINEATION IS APPROXIMATE. ALL PERMANENT PAVEMENT DELINEATION SHALL BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
5. ALL SIGNS TO BE INSTALLED WITH POST AND FOUNDATION PER SDSD SDM-104

LEGEND:

ADA ACCESSIBLE PARKING SPACE STRIPE PER SDSD SDM-117

SIGN



DRAFT

No.	DATE	REVISION	BY	CHK	APRV
0	06/01/22	IFC - ISSUED FOR CONSTRUCTION			

MOTT MACDONALD
750 B Street, Suite 2880
San Diego, CA 92101
Tel: 619-881-0400

RELATIVE BORDER SCALE IS IN INCHES 0 1 2

REGISTERED PROFESSIONAL ENGINEER KAORU S. MCCULLOUGH No. C71838 Exp. 12-31-23 STATE OF CALIFORNIA

DESIGNED BY	J.PHAM	DATE 06/22
DRAWN BY	J.PHAM	06/22
CHECKED BY	K.MCCULLOUGH	06/22
PRJ. ENG.	F. NOURBAKHSH	06/22

Metropolitan Transit System

El Cajon Tranist Center Repair

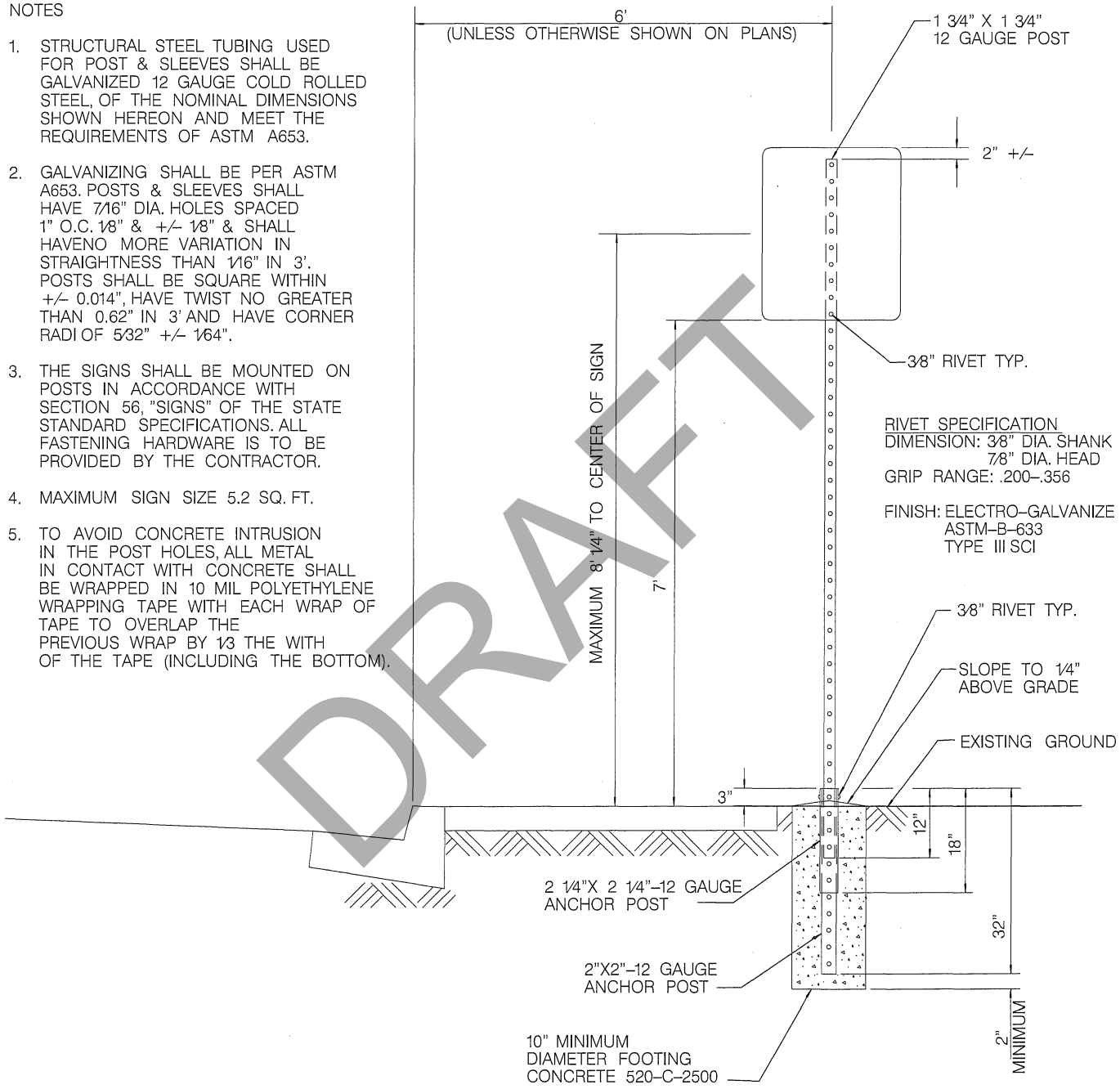
SITE PLAN
SIGNING AND STRIPING

SCALE 1"=40'
CONTRACT NO. MTSJOC347-40
DRAWING NO. SS-01
SHEET NO. 35

394552007--R07--C--SS01.dwg
19-May, 2022 09:51 JJR55703

NOTES

1. STRUCTURAL STEEL TUBING USED FOR POST & SLEEVES SHALL BE GALVANIZED 12 GAUGE COLD ROLLED STEEL, OF THE NOMINAL DIMENSIONS SHOWN HEREON AND MEET THE REQUIREMENTS OF ASTM A653.
2. GALVANIZING SHALL BE PER ASTM A653. POSTS & SLEEVES SHALL HAVE 7/16" DIA. HOLES SPACED 1" O.C. 1/8" & +/- 1/8" & SHALL HAVENO MORE VARIATION IN STRAIGHTNESS THAN 1/16" IN 3'. POSTS SHALL BE SQUARE WITHIN +/- 0.014", HAVE TWIST NO GREATER THAN 0.62" IN 3' AND HAVE CORNER RADI OF 5/32" +/- 1/64".
3. THE SIGNS SHALL BE MOUNTED ON POSTS IN ACCORDANCE WITH SECTION 56, "SIGNS" OF THE STATE STANDARD SPECIFICATIONS. ALL FASTENING HARDWARE IS TO BE PROVIDED BY THE CONTRACTOR.
4. MAXIMUM SIGN SIZE 5.2 SQ. FT.
5. TO AVOID CONCRETE INTRUSION IN THE POST HOLES, ALL METAL IN CONTACT WITH CONCRETE SHALL BE WRAPPED IN 10 MIL POLYETHYLENE WRAPPING TAPE WITH EACH WRAP OF TAPE TO OVERLAP THE PREVIOUS WRAP BY 1/3 THE WITH OF THE TAPE (INCLUDING THE BOTTOM).



DRAFT

REVISION	BY	APPROVED	DATE
ORIGINAL	BB	J. NAGELVOORT	05/15
UPDATED	MM	J. NAGELVOORT	08/15

CITY OF SAN DIEGO – STANDARD DRAWING

BREAK-AWAY SIGN POST

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE

COORDINATOR R.C.E. 56523 DATE 8/18/15

DRAWING NUMBER **SDM-104**

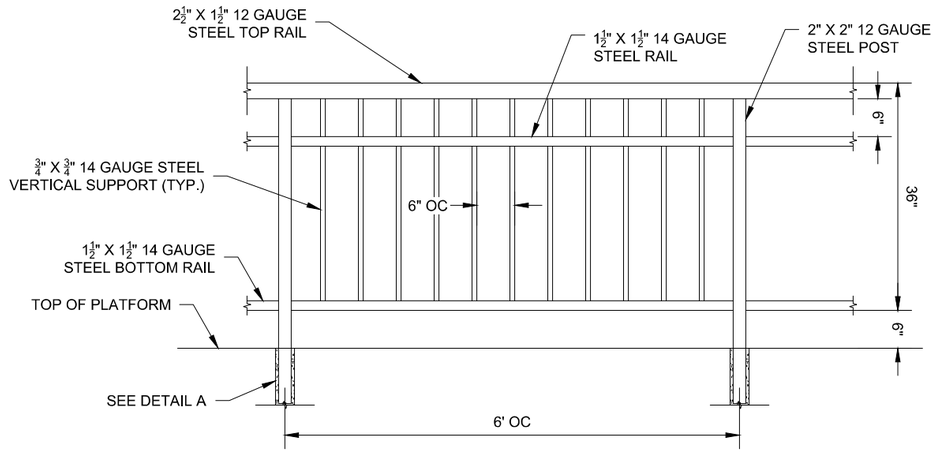


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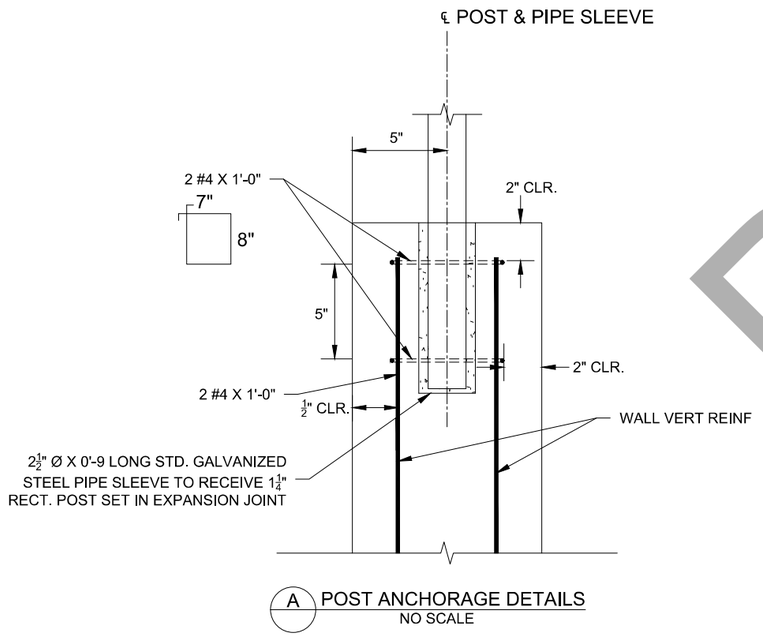
Existing Stop Sign

NOTES:

1. PROVIDE WELDED CONSTRUCTION.
2. ALL METAL TO BE PAINTED PER PROJECT SPECIFICATIONS TO MATCH EXISTING.



GALVANIZED STEEL HANDRAIL
NO SCALE



A POST ANCHORAGE DETAILS
NO SCALE

DRAFT

No.	DATE	REVISION	BY	CHK	APRV

MOTT MACDONALD
750 B Street, Suite 2880
San Diego, CA 92101
Tel: 619-881-0400

RELATIVE BORDER SCALE IS IN INCHES 0 1 2

REGISTERED PROFESSIONAL ENGINEER KAORU S. MCCULLOUGH No. C71828 Exp. 12-31-21 STATE OF CALIFORNIA

DESIGNED BY	S.SATANI	06/21
DRAWN BY	S.SATANI	06/21
CHECKED BY	K.MCCULLOUGH	06/21
PRJ. ENG.	F. NOURBAKHSH	06/21

Metropolitan Transit System

El Cajon Transit Center Repair - Job Order Contract

Construction Details - Handrailing

SCALE: NO SCALE
CONTRACT NO.: MTSJOC347-40
DRAWING NO.: CD-04
SHEET NO.: A-7

MTSJOC347-40 – Galvanized Handrailing Specifications

Galvanized Handrailings:

1. Hot-dip galvanize exterior steel railings, including hardware, after fabrication.
2. Comply with ASTM A123/A123M for hot-dip galvanized railings.
3. Comply with ASTM A153/A153M for hot-dip galvanized hardware.
4. Do not quench or apply post galvanizing treatments that might interfere with paint adhesion.
5. Fill vent and drain holes that are exposed in the finished work, unless indicated to remain as weep holes, by plugging with zinc solder and filling off smooth.

For galvanized railings:

- Provide hot-dip galvanized fittings, brackets, fasteners, sleeves and other ferrous components.

Prepare galvanized railing for shop priming:

- After galvanizing thoroughly clean railings of grease, dirt, oil, flux and other foreign matter and treat with etching cleaner.

Preparation for shop priming:

- Prepare uncoated ferrous-metal surfaces to comply with SSPC-SP 6/NACE No. 3, “Commercial Blast Cleaning”.
    1. Exterior railings: SSPC-SP 6/NACE No. 3, “Commercial Blast Cleaning”.
    2. Railings indicated to received Zinc-Rich Primer: SSPC-SP 6/NACE No. 3, “Commercial Blast Cleaning”.

Primer application:

- Apply shop primer to prepared surface of railings unless otherwise indicated.
- Comply with requirements in SSPC-PA , “Sop, field and Maintenance painting of steel”, for shop painting.
- Primer need not be applied to surfaces to be embedded in concrete.
    1. Shop prim uncoated railings with universal shop primer unless indicated.
    2. Paint railing to match existing railing at the station.

Galvanized handrailings must:

- Present smooth, uniform appearance in the final position, conforming closely to the horizontal and vertical lines shown or ordered.
- Carefully handle materials such that no parts are bent, broken, abraded, or otherwise damaged.

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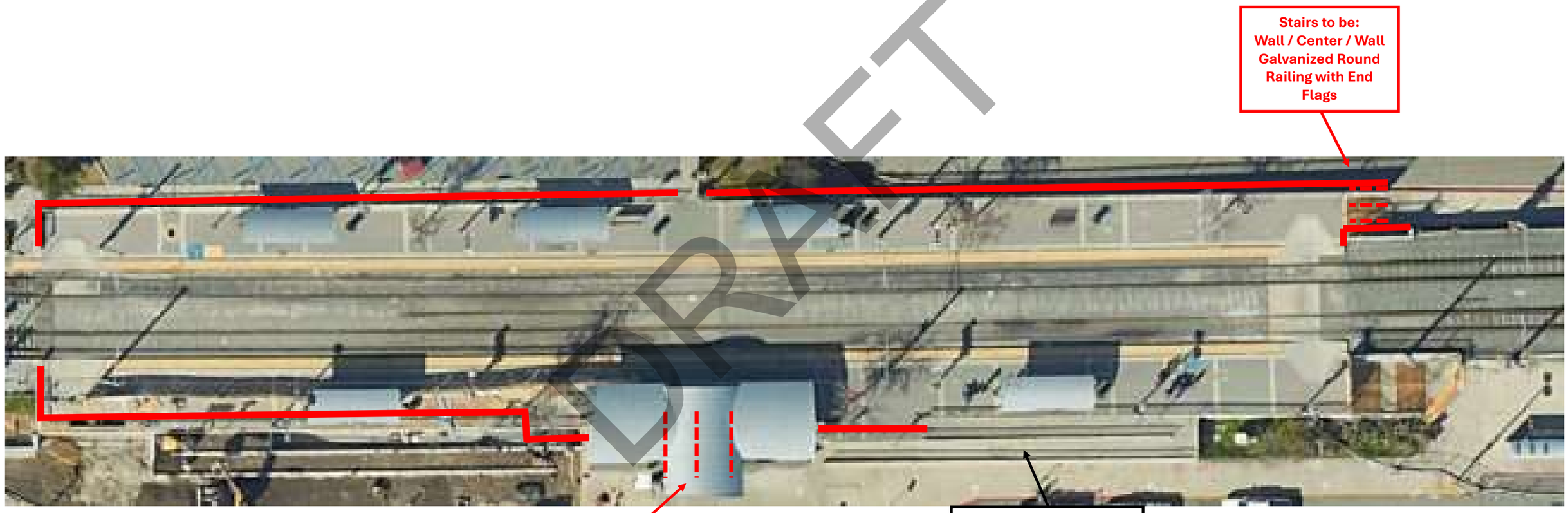
El Cajon Trolley Station – Parking Lot Repairs



DRAFT

El Cajon Trolley Station – Platform Railing Replacement

DRAFT



NTS / 01/15/2025
ABC General Contractor, Inc.

San Diego Metropolitan Transit System
1255 Imperial Ave
San Diego, California 92101

Final Scope of Work

Date: 3/27/2025

Job Order Contracting

To: **From:**

Contract Number:	PWG347.0-22
Job Order Number:	MTSJOC347-40
Job Order Title:	El Cajon Transit Center Repairs
Location:	El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020
Brief Scope of Work:	This job order encompasses replacing concrete sections on the trolley platform, installing a galvanized wrought iron fence, constructing a new curb island, and milling, overlaying, and replacing asphalt concrete across various areas of the El Cajon Transit Center.

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The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

MTSJOC347-40 – El Cajon Transit Center Repair

Detailed Scope of Work

The Contractor shall fully execute the project, supplying all labor, materials, equipment, and traffic/pedestrian control necessary for utility protection, material procurement, and all work outlined in this Detailed Scope of Work and the Conformed Special Provisions.

This job order encompasses replacing concrete sections on the trolley platform, installing a galvanized wrought iron fence, constructing a new curb island, and milling, overlaying, and replacing asphalt concrete across various areas of the El Cajon Transit Center.

Contractor Responsibilities

1. **Platform Repairs**
   - Remove and dispose of *1,073SF* of pavers and platform concrete as marked by MTS.
   - *Remove (2) Tree grates/Soil and replace with 8" Concrete*
   - Install 1,107 SF of 8-inch-thick reinforced concrete (#4 rebar @ 12” OCEW, dowelled into existing) with colored concrete per MTSJOC347-40 – Platform Repairs.
   - Concrete requirements:
     - Color: "920 Smoke" by Solomon Colors or approved equal.
     - Finish: Trowel finish (no broom finish).
     - Tool joints: Straight, sized to match existing pavers.
     - Apply Dayton Superior "Top Cast 03" (or equivalent) surface retarder, pressure wash the next day to match adjacent pavers.

2. **Handrail Replacement**
    - Remove and replace 705 LF of existing handrail with new galvanized wrought iron per MTSJOC347-40 – Handrail Detail 1, MTSJOC347-40 – Handrail Specifications, and MTSJOC347-40 – Platform Railing Replacement
    - *Remove and replace (2) Stairway sets of Railings (Wall/Center/Wall)*
3. **Taxi Lane and Lower Lot**
    - Perform a 3-inch grind and overlay on approximately 17,200 SF, including restriping to match existing layout.
4. **Curb Island Construction**
    - Construct a curb island and install signage per MTSJOC347-40 – Curb Ramp Detail and MTSJOC347-40 – ADA Sign and Pavement Marking Detail.
5. **Upper Parking Lot**
    - Pulverize/grind 12,500 SF of existing asphalt into subbase, regrade as needed, and import Class II base for ADA parking areas; restripe all areas.
6. **Fenced Area**
    - Apply two coats of sealcoat to 1,820 SF.

Submittals

- Work plan (including pedestrian control and phasing plans).
- Platform concrete specifications:
    - Color: "920 Smoke" by Solomon Colors or approved equal.
    - Mix: Superior Ready Mix 4000 PSI Mix ID 868P or approved equal.
- Handrail shop drawings.
- Asphalt mix design.

Exclusions

- MTS flagging costs.

Specifications

All work shall adhere to the Special Provisions of the executed MTS Job Order Contract (JOC) PWG347.0-22.

Contract Schedule

The project must be completed within 120 calendar days from the issuance of the Notice to Proceed (NTP). All items, except the handrail, must be finished within 60 days of the NTP. The handrail work may only begin 60 days after the NTP is issued.

All job orders include the labor, equipment, and material costs for a complete and in-place installation, unless otherwise noted.

DRAFT

EXHIBIT B
(Cost Breakdown)

DRAFT

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Division		Install Total	NPP Total	Demo Total	Division Total
01	General Requirements	$188,639.34	$0.00	$0.00	$188,639.34
02	Existing Conditions	$102,981.92	$0.00	$0.00	$102,981.92
03	Concrete	$41,723.39	$0.00	$0.00	$41,723.39
05	Metals	$25,460.81	$0.00	$945.96	$26,406.77
09	Finishes	$60,918.85	$0.00	$0.00	$60,918.85
31	Earthwork	$26,567.87	$0.00	$0.00	$26,567.87
32	Exterior Improvements	$359,710.47	$0.00	$10,571.74	$370,282.21
50	Custom Standards And Assemblies	$108,683.73	$0.00	$0.00	$108,683.73
	Total:	**$914,686.38**	**$0.00**	**$11,517.70**	**$926,204.08**

Line Count: 197 **Proposal Total: $926,204.08**

Total Reflects Filtered Statuses: Added, Clarification Requested, Clarified, Confirmed Removal, Modified, No Change, OverRuled, Rejected, Removed, Retained, System Removal Acknowledged by Contractor, System Removal Acknowledged by Owner, System Removed

The Percentage of Non Pre-Priced on this Proposal: 0.0%

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

DRAFT

01 General Requirements — $188,639.34

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
1	012216000004	Reimbursable Fees	Install	1,430.00	$1.00	EA	1.2633	$1,806.52

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform Concrete work
PW Set Up Fee 540
PW Truck Fee 220 per truck x 4 trucks

Item Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

Total: $1,806.52

Division 01 General Requirements Total: $1,806.52

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
2	012216000004	Reimbursable Fees	Install	440.00	$1.00	EA	1.2633	$555.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Planned Area
PW Truck Fee 220 per truck x 2 trucks

Item Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

Total: $555.85

Division 01 General Requirements Total: $555.85

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
3	012220000059	Senior Surveyor (Party Chief)	Install	8.00	$115.77	HR	1.2633	$1,170.02

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

User Note: Upper lot
office calculation

Total: $1,170.02

Division 01 General Requirements Total: $1,170.02

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
4	012220000059	Senior Surveyor (Party Chief)	Install	8.00	$115.77	HR	1.2633	$1,170.02

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

User Note: Planned Area
office calculation

Total: $1,170.02

Division 01 General Requirements Total: $1,170.02

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
5	012220000060	Surveyor (Instrument person)	Install	16.00	$110.39	HR	1.2633	$2,231.29

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

User Note: Planned Area
8hrs existing + 8 hrs new area

Total: $2,231.29

Division 01 General Requirements Total: $2,231.29

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
6	012220000060	Surveyor (Instrument person)	Install	12.00	$110.39	HR	1.2633	$1,673.47

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

User Note: Upper lot
8hrs existing handicap + 4 hrs new handicap

Total: $1,673.47

Division 01 General Requirements Total: $1,673.47

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
7	012220000061	Surveyor (Rod Person)	Install	12.00	$109.45	HR	1.2633	$1,659.22

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

User Note: Upper lot
8hrs existing handicap + 4 hrs new handicap

Total: $1,659.22

Division 01 General Requirements Total: $1,659.22

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
8	012220000061	Surveyor (Rod Person)	Install	16.00	$109.45	HR	1.2633	$2,212.29

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials No

User Note: Planned Area
8hrs existing + 8 hrs new area

Total: $2,212.29

Division 01 General Requirements Total: $2,212.29

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
9	012223000272	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	Install	1.00	$7,780.18	WK	1.2633	$9,828.70

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Upper lot

Item Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.

Total:	**$9,828.70**
Division 01 General Requirements Total:	**$9,828.70**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
10	012223000272	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	Install	1.00	$7,780.18	WK	1.2633	$9,828.70

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Taxi Lane

Item Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.

Total:	**$9,828.70**
Division 01 General Requirements Total:	**$9,828.70**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
11	012223000272	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	Install	1.00	$7,780.18	WK	1.2633	$9,828.70

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Planned Area

Item Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.

Total:	**$9,828.70**
Division 01 General Requirements Total:	**$9,828.70**

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
12	012223001347	13 CY Rear Dump Truck With Full-Time Truck Driver	Install	2.00	$1,894.52	DAY	1.2633	$4,786.69

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Taxi Lane

Total:	**$4,786.69**
Division 01 General Requirements Total:	**$4,786.69**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
13	012223001348	13 CY Rear Dump Truck With Full-Time Truck Driver	Install	2.00	$6,051.62	WK	1.2633	$15,290.02

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Platform Concrete

Total:	**$15,290.02**
Division 01 General Requirements Total:	**$15,290.02**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
14	012223001348	13 CY Rear Dump Truck With Full-Time Truck Driver	Install	3.00	$6,051.62	WK	1.2633	$22,935.03

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Platform Railing

Total:	**$22,935.03**
Division 01 General Requirements Total:	**$22,935.03**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
15	012223001348	13 CY Rear Dump Truck With Full-Time Truck Driver	Install	1.00	$6,051.62	WK	1.2633	$7,645.01

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Planned Area

Total: $7,645.01

Division 01 General Requirements Total: $7,645.01

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
16	012223001358	2,000 Gallon Water Truck With Full-Time Driver	Install	3.00	$1,288.41	DAY	1.2633	$4,882.95

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Upper Lot

Total: $4,882.95

Division 01 General Requirements Total: $4,882.95

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
17	012223001359	2,000 Gallon Water Truck With Full-Time Driver	Install	1.00	$4,867.45	WK	1.2633	$6,149.05

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Platform conc

Total: $6,149.05

Division 01 General Requirements Total: $6,149.05

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
18	012223001359	2,000 Gallon Water Truck With Full-Time Driver	Install	1.00	$4,867.45	WK	1.2633	$6,149.05

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: Taxi Lane

Total: $6,149.05

Division 01 General Requirements Total: $6,149.05

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
19	012223001359	2,000 Gallon Water Truck With Full-Time Driver	Install	1.00	$4,867.45	WK	1.2633	$6,149.05

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: Planned Area

Total: $6,149.05

Division 01 General Requirements Total: $6,149.05

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
20	015219000002	Portable Chemical Toilet	Install	2.00	$65.66	WK	1.2633	$165.90

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform conc

Total: $165.90

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
21	015219000002	For Each Delivery, Add **MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $198.75

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
22	015219000002	Portable Chemical Toilet	Install	3.00	$65.66	WK	1.2633	$248.84

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform railing

Total: $248.84

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
23	015219000002	For Each Delivery, Add **MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $281.69

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
24	015219000002	Portable Chemical Toilet	Install	1.00	$65.66	WK	1.2633	$82.95

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Upper lot

Total: $82.95

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
25	015219000002	For Each Delivery, Add **MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $115.80

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
26	015219000002	Portable Chemical Toilet	Install	1.00	$65.66	WK	1.2633	$82.95

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Taxi Lane

Total: $82.95

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
27	015219000002	For Each Delivery, Add	**MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $115.80

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
28	015219000002	Portable Chemical Toilet	Install	2.00	$65.66	WK	1.2633	$165.90

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Planned Area

Total: $165.90

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
29	015219000002	For Each Delivery, Add **MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $198.75

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
30	015219000008	Two Station Portable Handwash	Install	2.00	$44.22	WK	1.2633	$111.73

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform conc

Total: $111.73

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
31	015219000008	For Each Delivery, Add	**MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $144.58

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
32	015219000008	Two Station Portable Handwash	Install	3.00	$44.22	WK	1.2633	$167.59

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform railing

Total: $167.59

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
33	015219000008	For Each Delivery, Add	**MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $200.44

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
34	015219000008	Two Station Portable Handwash	Install	1.00	$44.22	WK	1.2633	$55.86

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Upper lot

Total: $55.86

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
35	015219000008	For Each Delivery, Add	**MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $88.71

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
36	015219000008	Two Station Portable Handwash	Install	1.00	$44.22	WK	1.2633	$55.86

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Taxi Lane

Total: $55.86

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
37	015219000008	For Each Delivery, Add	**MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $88.71

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
38	015219000008	Two Station Portable Handwash	Install	2.00	$44.22	WK	1.2633	$111.73

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Planned Area

Total: $111.73

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
39	015219000008	For Each Delivery, Add **MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $144.58

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
40	015526000092	Aluminum Sign And A Frame Stand	Install	12.00	$15.24	WK	1.2633	$231.03

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform conc
Pedestrian Direction sign
6 signs x 2 weeks

Total: $231.03

Division 01 General Requirements Total: $231.03

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
41	015526000092	Aluminum Sign And A Frame Stand	Install	18.00	$15.24	WK	1.2633	$346.55

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform railing
6 each Pedestrian direction Signs x 3 weeks

Total: $346.55

Division 01 General Requirements Total: $346.55

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
42	015526000092	Aluminum Sign And A Frame Stand	Install	6.00	$15.24	WK	1.2633	$115.52

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Taxi Lane
Pedestrian Direction Signs
6 signs x 1 week

Total: $115.52

Division 01 General Requirements Total: $115.52

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
43	015526000124	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	Install	6.00	$4.21	EA	1.2633	$31.91

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Platform conc
Pedestrian Direction sign

Total: $31.91

Division 01 General Requirements Total: $31.91

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
44	015526000124	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	Install	6.00	$4.21	EA	1.2633	$31.91

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Platform railing
Pedestrian direction Signs

Total: $31.91

Division 01 General Requirements Total: $31.91

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
45	015526000124	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	Install	6.00	$4.21	EA	1.2633	$31.91

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Taxi Lane
Pedestrian Direction Signs

Total: $31.91

Division 01 General Requirements Total: $31.91

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
46	015626000175	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	Install	300.00	$3.23	LF	1.2633	$1,224.14

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Platform conc

Total: $1,224.14

Division 01 General Requirements Total: $1,224.14

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
47	015626000175	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	Install	700.00	$3.23	LF	1.2633	$2,856.32

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform railing

Total: $2,856.32

Division 01 General Requirements Total: $2,856.32

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
48	015626000175	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	Install	430.00	$3.23	LF	1.2633	$1,754.60

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot

Total: $1,754.60

Division 01 General Requirements Total: $1,754.60

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
49	015626000175	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	Install	744.00	$3.23	LF	1.2633	$3,035.86

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Taxi Lane

Total: $3,035.86

Division 01 General Requirements Total: $3,035.86

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
50	015626000175	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	Install	245.00	$3.23	LF	1.2633	$999.71

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Planned Area

Total: $999.71

Division 01 General Requirements Total: $999.71

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
51	016619000005	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	Install	63.00	$6.18	CY	1.2633	$491.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Platform conc
west 24 cy x 2 trips
east 5 cy x 3 trips

Total: $491.85

Division 01 General Requirements Total: $491.85

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
52	016619000005	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	Install	30.00	$6.18	CY	1.2633	$234.22

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Platform railing
railing and hand rail 823 lf x 4" x 3 trips

Total: $234.22

Division 01 General Requirements Total: $234.22

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
53	016619000010	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	Install	63.00	$6.18	CY	1.2633	$491.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Platform conc
west 24 cy x 2 trips
east 5 cy x 3 trips

Total: $491.85

Division 01 General Requirements Total: $491.85

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
54	016619000010	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	Install	30.00	$6.18	CY	1.2633	$234.22

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Platform railing
railing and hand rail 823 lf x 4" x 3 trips

Total: $234.22

Division 01 General Requirements Total: $234.22

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
55	017113000004	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed	Install	8.00	$1,449.76	EA	1.2633	$14,651.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Upper lot
skip loader, 2 bobcats, 2 single drum roller, paver and 2 double drum rollers

Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.

Total:	**$14,651.85**
Division 01 General Requirements Total:	**$14,651.85**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
56	017123160019	Survey Clear Area For Underground Utilities	Install	0.10	$6,059.03	ACR	1.2633	$765.44

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Modified,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform conc

Total:	**$765.44**
Division 01 General Requirements Total:	**$765.44**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
57	017123160019	Survey Clear Area For Underground Utilities	Install	0.10	$6,059.03	ACR	1.2633	$765.44

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Modified,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform railing

Total:	**$765.44**
Division 01 General Requirements Total:	**$765.44**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
58	017123160019	Survey Clear Area For Underground Utilities	Install	0.10	$6,059.03	ACR	1.2633	$765.44

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Modified,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot

Total:	**$765.44**
Division 01 General Requirements Total:	**$765.44**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
59	017123160019	Survey Clear Area For Underground Utilities	Install	0.10	$6,059.03	ACR	1.2633	$765.44

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Modified,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Taxi Lane

Total:	**$765.44**
Division 01 General Requirements Total:	**$765.44**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
60	017123160019	Survey Clear Area For Underground Utilities	Install	0.10	$6,059.03	ACR	1.2633	$765.44

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total:	**$765.44**
Division 01 General Requirements Total:	**$765.44**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
61	017419000021	Rampless Concrete Washout Bin	Install	1.00	$658.35	MO	1.2633	$831.69

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform conc

Item Note: Includes delivery.

Total:	**$831.69**
Division 01 General Requirements Total:	**$831.69**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
62	017419000021	Rampless Concrete Washout Bin	Install	1.00	$658.35	MO	1.2633	$831.69

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform railing

Item Note: Includes delivery.

Total:	**$831.69**
Division 01 General Requirements Total:	**$831.69**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
63	017419000021	Rampless Concrete Washout Bin	Install	1.00	$658.35	MO	1.2633	$831.69

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Planned Area

Item Note: Includes delivery.

Total:	**$831.69**
Division 01 General Requirements Total:	**$831.69**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
64	017419000023	Interim Vacuum Service, Concrete Washout Bin	Install	1.00	$502.05	EA	1.2633	$634.24
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor No Includes Equipment No Includes Materials Yes						

Item Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.

Total:	**$634.24**
Division 01 General Requirements Total:	**$634.24**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
65	017419000023	Interim Vacuum Service, Concrete Washout Bin	Install	1.00	$502.05	EA	1.2633	$634.24
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor No Includes Equipment No Includes Materials Yes						

Item Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.

Total:	**$634.24**
Division 01 General Requirements Total:	**$634.24**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
66	017419000023	Interim Vacuum Service, Concrete Washout Bin	Install	1.00	$502.05	EA	1.2633	$634.24
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor No Includes Equipment No Includes Materials Yes						

Item Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.

Total:	**$634.24**
Division 01 General Requirements Total:	**$634.24**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
67	017419000036	General Refuse	Install	64.00	$62.43	TON	1.2633	$5,047.54

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform conc
concrete 28 cy
tree grate 2 cy
dirt 2 cy
total 32 cy x 2 cy/tn

Total: $5,047.54

Division 01 General Requirements Total: $5,047.54

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
68	017419000036	General Refuse	Install	6.00	$62.43	TON	1.2633	$473.21

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform railing
705 lf of railing x 4lb lf =1.5 tns
118 lf of handrailing x 4lb lf = .5 tns
147 each core drill 2 cy x 2 cy/tn = 4 tns

Total: $473.21

Division 01 General Requirements Total: $473.21

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
69	017419000036	General Refuse	Install	320.00	$62.43	TON	1.2633	$25,237.70

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Taxi Lane
17200 x 3" =160 cy x 2 cy/tn = 320tns

Total: $25,237.70

Division 01 General Requirements Total: $25,237.70

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
70	017419000036	General Refuse	Install	68.00	$62.43	TON	1.2633	$5,363.01

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Planned Area
ac 3cy
concrete s/w 3 cy
curb & gutter 1 cy
existing dirt 10 cy
new island 3 cy
new curb 4 cy
new curb & gutter 4 cy
header cut 6 cy
total 34 cy x 2 cy/tn

Total: $5,363.01

Division 01 General Requirements Total: $5,363.01

02 Existing Conditions $102,981.92

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
71	023213000020	Excavation For Test Pit, Light Soil, Hand Excavation	Install	2.00	$175.80	CY	1.2633	$444.18

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Platform conc
6 pot holes

Total: $444.18

Division 02 Existing Conditions Total: $444.18

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
72	023213000020	Excavation For Test Pit, Light Soil, Hand Excavation	Install	2.00	$175.80	CY	1.2633	$444.18

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Upper lot
6 pot holes

Total: $444.18

Division 02 Existing Conditions Total: $444.18

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
73	023213000020	Excavation For Test Pit, Light Soil, Hand Excavation	Install	2.00	$175.80	CY	1.2633	$444.18

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Planned Area
6 pot holes

Total: $444.18

Division 02 Existing Conditions Total: $444.18

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
74	024113130009	>3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving	Install	29.00	$22.32	SY	1.2633	$817.71

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Planned Area
260 sf of sidewalk

Total: $817.71

Division 02 Existing Conditions Total: $817.71

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
75	024113130026	>6" To 8" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	Install	1,073.00	$11.34	SF	1.2633	$15,371.61

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Platform conc
1073 sf 8" platform

Total: $15,371.61

Division 02 Existing Conditions Total: $15,371.61

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
76	024119130058	Bituminous Paving Up To 4" Depth, Saw Cut	Install	153.00	$2.13	LF	1.2633	$411.70

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total: $411.70

Division 02 Existing Conditions Total: $411.70

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
77	024119130061	Non Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	Install	10.00	$2.43	LF	1.2633	$30.70

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total: $30.70

Division 02 Existing Conditions Total: $30.70

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
78	024119130062	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	Install	293.00	$3.21	LF	1.2633	$1,188.17
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: Platform conc 8" saw cut						
							Total:	**$1,188.17**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
79	024119130062	For Each Additional Pass (Depth To 3"), Add **MOD: 0031**	Install	586.00	$1.25	LF	1.2633	$925.37
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$925.37**
							Division 02 Existing Conditions Total:	**$2,113.54**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
80	024119130063	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	Install	5,000.00	$5.35	LF	1.2633	$33,793.28
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: platform new cut joints to match						
							Total:	**$33,793.28**
							Division 02 Existing Conditions Total:	**$33,793.28**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
81	024119130144	Drill 3" Diameter Core In >12" Concrete	Install	2,358.00	$13.06	IN	1.2633	$38,903.93

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Platform railing
147 each x 2' ea = 3,528"

Total: $38,903.93

Division 02 Existing Conditions Total: $38,903.93

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
82	024119130281	5/8" Diameter Drilling In Concrete Per Inch Of Depth	Install	3,000.00	$2.43	IN	1.2633	$9,209.46

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Platform conc
250 dowel x 12" drill into existing concrete

Total: $9,209.46

Division 02 Existing Conditions Total: $9,209.46

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
83	024119130333	Core Drill Minimum Charge	Install	1.00	$789.56	EA	1.2633	$997.45

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Planned Area
handicap sign

Item Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".

Total: $997.45

Division 02 Existing Conditions Total: $997.45

03 Concrete $41,723.39

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
84	030513000021	Premium Color (See Davis Colors Color Card), Concrete Admixture	Install	28.00	$108.44	CY	1.2633	$3,835.78

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

User Note: Platform conc
1123 sf x 8" = 28 cy

Total: $3,835.78

Division 03 Concrete Total: $3,835.78

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
85	032111000128	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	Install	2,171.00	$0.97	LF	1.2633	$2,660.35

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

User Note: Platform conc

Total: $2,660.35

Division 03 Concrete Total: $2,660.35

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
86	032111000242	1/2" Diameter x 24" Long, Deformed Straight Dowel	Install	250.00	$3.15	EA	1.2633	$994.85

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform conc

Total: $994.85

Division 03 Concrete Total: $994.85

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
87	033053000007	Hand Mix And Place Concrete	Install	118.00	$28.21	CF	1.2633	$4,205.25

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform railing
cap on top of wall
705 lf x 12" x 2"

Item Note: For use where conventional equipment access is limited or when directed by the owner.

Total: $4,205.25

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
88	033053000007	For 3,500 PSI Concrete, Add **MOD: 0030**	Install	118.00	$0.34	CF	1.2633	$50.68

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

Total: $50.68

Division 03 Concrete Total: $4,255.93

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
89	033113000003	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	Install	562.00	$7.36	SF	1.2633	$5,225.41

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Planned Area
Sidewalk 290 sf
Ramps 100 sf
island inset 172

Total: $5,225.41

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
90	033113000003	For 3,500 PSI Concrete, Add MOD: 0149	Install	562.00	$0.07	SF	1.2633	$49.70

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $49.70

Division 03 Concrete Total: $5,275.11

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
91	033113000007	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	Install	1,123.00	$10.77	SF	1.2633	$15,279.25

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Platform conc

Total: $15,279.25

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
92	033113000007	For 3,500 PSI Concrete, Add **MOD: 0149**	Install	1,123.00	$0.12	SF	1.2633	$170.24

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $170.24

Division 03 Concrete Total: $15,449.49

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
93	033113000094	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY	Install	9.00	$26.84	CY	1.2633	$305.16

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: Platform conc

Item Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.

Total: $305.16

Division 03 Concrete Total: $305.16

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
94	033113000094	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY	Install	5.00	$26.84	CY	1.2633	$169.53

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

User Note: Planned Area sidewalk 5 cy

Item Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.

Total:	**$169.53**
Division 03 Concrete Total:	**$169.53**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
95	033513000006	Steel Trowel, Concrete Floor Finish	Install	1,123.00	$1.54	SF	1.2633	$2,184.78

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Platform conc

Total:	**$2,184.78**
Division 03 Concrete Total:	**$2,184.78**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
96	033523000002	Exposed Aggregate, Concrete Floor Finish	Install	1,123.00	$2.92	SF	1.2633	$4,142.56

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform conc

Total:	**$4,142.56**
Division 03 Concrete Total:	**$4,142.56**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
97	033533000002	Up To 2,500 SF Stamped Concrete Finish	Install	172.00	$3.54	SF	1.2633	$769.20
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: Planned Area island inset area 172 sf						
							Total:	**$769.20**
							Division 03 Concrete Total:	**$769.20**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
98	033716000010	35 CY/HR, 66 HP Trailer Mounted Concrete Pump	Install	8.00	$122.78	HR	1.2633	$1,240.86
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: Platform conc						
		Item Note: Includes hoses						
							Total:	**$1,240.86**
							Division 03 Concrete Total:	**$1,240.86**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
99	033913000002	Water Based Curing, Sealing, Hardening And Dustproofing Compound	Install	1,123.00	$0.31	SF	1.2633	$439.79
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment No Includes Materials Yes						
		User Note: Platform conc						
		Item Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.						
							Total:	**$439.79**
							Division 03 Concrete Total:	**$439.79**
05 Metals								**$26,406.77**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
100	050519000019	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	Install	64.00	$22.85	EA	1.2633	$1,847.45

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Anchors for Stair Wall Rails, 4 railings with 16 anchors each

Total: $1,847.45

Division 05 Metals Total: $1,847.45

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
101	055213000007	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	Install	60.00	$50.95	LF	1.2633	$3,861.91

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: 2 center stair railings

Total: $3,861.91

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
102	055213000007	For Schedule 80 Handrail, Add **MOD: 0070**	Install	60.00	$8.10	LF	1.2633	$613.96

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Total: $613.96

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
103	055213000007	For Galvanizing, Add	MOD: 0086	Install	60.00	$12.45	LF	1.2633	$943.69

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $943.69

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
104	055213000007	For Curved Rail, Add	MOD: 0094	Install	60.00	$24.62	LF	1.2633	$1,866.15

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Total: $1,866.15

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
105	055213000007	For Mounting On Stairs, Add	MOD: 0095	Install	60.00	$15.29	LF	1.2633	$1,158.95

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Total: $1,158.95

Division 05 Metals Total: $8,444.66

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
106	055213000053	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	Install	120.00	$63.07	LF	1.2633	$9,561.16
Accepted		*History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted*	Demo:	120.00	$6.24	LF	1.2633	$945.96

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: 4 Wall Mounted Stair Railings

Total: $10,507.12

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
107	055213000053	For Schedule 80 Handrail, Add **MOD: 0077**	Install	120.00	$3.61	LF	1.2633	$547.26
Accepted		*History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted*						

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Total: $547.26

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
108	055213000053	For Curved Rail, Add **MOD: 0103**	Install	120.00	$18.92	LF	1.2633	$2,868.20
Accepted		*History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted*						

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Total: $2,868.20

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
109	055213000053	For Galvanized Finish, Add **MOD: 0106**	Install	120.00	$14.46	LF	1.2633	$2,192.08
Accepted		*History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted*						

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

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Price Proposal Detail Report

By Division
Version: 3.0
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Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Total:	**$2,192.08**
Division 05 Metals Total:	**$16,114.66**

09 Finishes **$60,918.85**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
110	099113000474	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	Install	16,920.00	$0.96	SF	1.2633	$20,520.03

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Primer Coat for the new railing
705LF /2" x 4' = 16,920

Total:	**$20,520.03**
Division 09 Finishes Total:	**$20,520.03**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
111	099113000476	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	Install	16,920.00	$1.89	SF	1.2633	$40,398.82

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Final Coat for the new railing
705LF /2" x 4' = 16,920

Total:	**$40,398.82**
Division 09 Finishes Total:	**$40,398.82**

31 Earthwork **$26,567.87**

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Price Proposal Detail Report

By Division
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Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
112	310516000026	Graded Aggregate Base Fill (3/4" Minus) Class II Base	Install	40.00	$69.77	CY	1.2633	$3,525.62

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot
handicap area 3200 sf x 4"

Total: $3,525.62

Division 31 Earthwork Total: $3,525.62

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
113	312316130003	Over 12" Wide, Excavation for Trenching by Machine in Soil	Install	10.00	$7.02	CY	1.2633	$88.68

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Planned Area
curb 141 lf x 12" x 12"
Curb & Gutter 87 lf x 12" x 24"

Total: $88.68

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
114	312316130003	For Up To 20, Add **MOD: 0060**	Install	10.00	$5.61	CY	1.2633	$70.87

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

Total: $70.87

Division 31 Earthwork Total: $159.55

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
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Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
115	312316130007	Excavation For Trenching By Hand In Soil	Install	2.00	$118.67	CY	1.2633	$299.83

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Platform conc
8" at tree grates x 50sf

Item Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

Total:	**$299.83**
Division 31 Earthwork Total:	**$299.83**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
116	312316360003	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	Install	13.00	$8.73	CY	1.2633	$143.37

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Planned Area
existing dirt 523 sf x 6"
dirt in new concrete island 222 sf x 4"

Total:	**$143.37**

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
117	312316360003	For Up To 20, Add	**MOD: 0014**	Install	13.00	$8.73	CY	1.2633	$143.37

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

Total:	**$143.37**
Division 31 Earthwork Total:	**$286.74**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
118	312316360018	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	Install	40.00	$5.27	CY	1.2633	$266.30

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Upper lot
place Class II in Handicap area

Total: $266.30

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
119	312316360018	For >20 To 50, Add	**MOD: 0019**	Install	40.00	$3.96	CY	1.2633	$200.11

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Total: $200.11

Division 31 Earthwork Total: $466.41

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
120	312316360021	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	Install	270.00	$10.95	CY	1.2633	$3,734.95

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Upper lot
handicap subgrade 3200 sf X 6"
handicap Base 3200 sf x 4"
parking lot 9300 sf x 6"

Total: $3,734.95

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
121	312316360021	For >250 To 500, Add **MOD: 0025**	Install	270.00	$1.64	CY	1.2633	$559.39

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Total: $559.39

Division 31 Earthwork Total: $4,294.34

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
122	312316360022	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	Install	15.00	$37.18	CY	1.2633	$704.54

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Planned Area
sidewalk 290 sf x 6"
ramps 100 sf X 6"
Island 175 sf X 6"
curbs 126 sf x 6"
c & g 117 sf x 6"

Total: $704.54

Division 31 Earthwork Total: $704.54

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
123	312316360024	Rough Grading For Building Foundations And Other Structures by Machine	Install	1,556.00	$1.14	SY	1.2633	$2,240.89

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Upper lot

Total: $2,240.89

Division 31 Earthwork Total: $2,240.89

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
124	312316360024	Rough Grading For Building Foundations And Other Structures by Machine	Install	63.00	$1.14	SY	1.2633	$90.73

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Planned Area
sidewalk 290 sf
ramps 100 sf
Island 175 sf

Total: $90.73

Division 31 Earthwork Total: $90.73

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
125	312316360025	Finish Grading For Building Foundations And Other Structures by Machine	Install	1,556.00	$1.84	SY	1.2633	$3,616.88

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Upper lot

Total: $3,616.88

Division 31 Earthwork Total: $3,616.88

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
126	312316360026	Finish Grading For Building Foundations And Other Structures by Hand	Install	125.00	$10.99	SY	1.2633	$1,735.46

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Platform conc

Total: $1,735.46

Division 31 Earthwork Total: $1,735.46

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
127	312316360026	Finish Grading For Building Foundations And Other Structures by Hand	Install	63.00	$10.99	SY	1.2633	$874.67

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Planned Area
sidewalk 290 sf
ramps 100 sf
Island 175 sf

Total: $874.67

Division 31 Earthwork Total: $874.67

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
128	312316360031	Spread Excess Or Imported Material On Site By Machine	Install	754.00	$3.09	CY	1.2633	$2,943.31

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Upper lot
12500 sf mix pulverized material x 12"
12500 sf spread pulverized material x 6"
3200 sf spread class II in handicap x 6"

Total: $2,943.31

Division 31 Earthwork Total: $2,943.31

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
129	312413000019	Finish Grade For Curb	Install	141.00	$1.12	LF	1.2633	$199.50

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Planned Area

Total: $199.50

Division 31 Earthwork Total: $199.50

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
130	312413000020	Finish Grade For Curb And Gutter	Install	87.00	$1.36	LF	1.2633	$149.47

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Planned Area

Total: $149.47

Division 31 Earthwork Total: $149.47

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
131	312514260028	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	Install	400.00	$6.57	LF	1.2633	$3,319.95

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot

Total: $3,319.95

Division 31 Earthwork Total: $3,319.95

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
132	312514260028	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	Install	200.00	$6.57	LF	1.2633	$1,659.98
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: Planned Area						
							Total:	**$1,659.98**
							Division 31 Earthwork Total:	**$1,659.98**

32 Exterior Improvements **$370,282.21**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
133	320116710007	Up To 3" Depth, Limited Cold Milling Of Asphalt	Install	200.00	$27.55	SY	1.2633	$6,960.78
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials No						
		User Note: Planned Area Header Cut 51 sy parking 149 sy						
							Total:	**$6,960.78**
							Division 32 Exterior Improvements Total:	**$6,960.78**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
134	320116710007	Up To 3" Depth, Limited Cold Milling Of Asphalt	Install	1,912.00	$27.55	SY	1.2633	$66,545.09
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials No						
		User Note: Taxi Lane 17200 sf / 9						
							Total:	**$66,545.09**
							Division 32 Exterior Improvements Total:	**$66,545.09**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
135	320116740014	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	Install	1,339.00	$19.43	SY	1.2633	$32,866.99

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Upper lot

Total: $32,866.99

Division 32 Exterior Improvements Total: $32,866.99

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
136	320116740018	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	Install	1.00	$1,669.71	EA	1.2633	$2,109.34

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Upper lot

Total: $2,109.34

Division 32 Exterior Improvements Total: $2,109.34

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
137	320116740018	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	Install	1.00	$1,669.71	EA	1.2633	$2,109.34

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Taxi Lane

Total: $2,109.34

Division 32 Exterior Improvements Total: $2,109.34

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
138	320116740018	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	Install	1.00	$1,669.71	EA	1.2633	$2,109.34

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Planned Area

Total:	**$2,109.34**
Division 32 Exterior Improvements Total:	**$2,109.34**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
139	320117630024	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	Install	8.00	$2,092.43	EA	1.2633	$21,146.93

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area
curb patch

Item Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

Total:	**$21,146.93**
Division 32 Exterior Improvements Total:	**$21,146.93**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
140	321213130006	Tack Coat, 0.11 Gallon/SY	Install	1,912.00	$0.94	SY	1.2633	$2,270.50

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Taxi Lane

Total:	**$2,270.50**
Division 32 Exterior Improvements Total:	**$2,270.50**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
141	321213130006	Tack Coat, 0.11 Gallon/SY	Install	200.00	$0.94	SY	1.2633	$237.50

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total: $237.50

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
142	321213130006	For >150 To 300, Add	**MOD: 0338**	Install	200.00	$0.09	SY	1.2633	$22.74

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Total: $22.74

Division 32 Exterior Improvements Total: $260.24

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Price Proposal Detail Report

By Division
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Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
143	321216130013	Bituminous Hot Mix Surface Course 3954 LB/CY	Install	232.00	$144.11	TON	1.2633	$42,236.57

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot
12500 sf x 3" = 116 cy x 2 cy/tn

Item Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.

Total: $42,236.57

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
144	321216130013	For PG64-10 Asphalt, Add	MOD: 0006	Install	232.00	$2.67	TON	1.2633	$782.54

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

Total: $782.54

Division 32 Exterior Improvements Total: $43,019.11

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
145	321216130013	Bituminous Hot Mix Surface Course 3954 LB/CY	Install	320.00	$144.11	TON	1.2633	$58,257.33

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Taxi Lane
17200 sf x 3" = 160cy x 2 cy/tn

Item Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.

Total: $58,257.33

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
146	321216130013	For PG64-10 Asphalt, Add **MOD: 0006**	Install	320.00	$2.67	TON	1.2633	$1,079.36

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

Total: $1,079.36

Division 32 Exterior Improvements Total: $59,336.69

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
147	321216130013	Bituminous Hot Mix Surface Course 3954 LB/CY	Install	32.00	$144.11	TON	1.2633	$5,825.73

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Planned Area
header cut 460 sf x 2" = 3 cy x 2 cy/tn
parking area 1338 sf x 3" =13 cy x 2 cy/tn

Item Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.

Total: $5,825.73

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
148	321216130013	For PG64-10 Asphalt, Add **MOD: 0006**	Install	32.00	$2.67	TON	1.2633	$107.94

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $107.94

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
149	321216130013	For >25 To 50, Add **MOD: 0372**	Install	32.00	$11.89	TON	1.2633	$480.66

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Total: $480.66

Division 32 Exterior Improvements Total: $6,414.33

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
150	321236230002	GuardTop® Asphalt Based Sealcoat (Two Coats)	Install	222.00	$2.81	SY	1.2633	$788.07

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Upper lot

Total:	**$788.07**
Division 32 Exterior Improvements Total:	**$788.07**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
151	321613130002	6" x 12" Cast In Place Concrete Curb (Type A1-6)	Install	126.00	$17.49	LF	1.2633	$2,783.98

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Planned Area

Total:	**$2,783.98**
Division 32 Exterior Improvements Total:	**$2,783.98**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
152	321613130003	6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6)	Install	15.00	$20.04	LF	1.2633	$379.75

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Planned Area

Total: $379.75

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
153	321613130003	For Up To 20, Add **MOD: 0077**	Install	15.00	$12.22	LF	1.2633	$231.56

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Total: $231.56

Division 32 Exterior Improvements Total: $611.31

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
154	321613130014	Additional Finish For Handicap Drop Section In Curb	Install	3.00	$66.51	EA	1.2633	$252.07

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: Planned Area

Total: $252.07

Division 32 Exterior Improvements Total: $252.07

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
155	321613130019	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	Install	20.00	$34.03	LF	1.2633	$859.80
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: Planned Area						
							Total:	**$859.80**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
156	321613130019	For Up To 20, Add **MOD: 0082**	Install	20.00	$23.07	LF	1.2633	$582.89
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$582.89**
							Division 32 Exterior Improvements Total:	**$1,442.69**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
157	321613130020	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6)	Install	67.00	$37.38	LF	1.2633	$3,163.88

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total: $3,163.88

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
158	321613130020	For >50 To 100, Add **MOD: 0084**	Install	67.00	$5.61	LF	1.2633	$474.84

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Total: $474.84

Division 32 Exterior Improvements Total: $3,638.72

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
159	321613160010	Pedestrian/Handicap Ramp, Complete	Install	3.00	$126.14	EA	1.2633	$478.06

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total: $478.06

Division 32 Exterior Improvements Total: $478.06

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
160	321623000002	4" Cast In Place Concrete Sidewalk	Install	565.00	$8.56	SF	1.2633	$6,109.82

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area
sidewalk 290 sf
ramps 100 sf
island 175 sf

Total:	**$6,109.82**
Division 32 Exterior Improvements Total:	**$6,109.82**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
161	321623000008	Finish Concrete Handicap Drop Section In Sidewalk	Install	3.00	$126.26	EA	1.2633	$478.51

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: Planned Area

Item Note: Excludes patterned (tactile) finish.

Total:	**$478.51**
Division 32 Exterior Improvements Total:	**$478.51**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
162	321713190001	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	Install	10.00	$39.94	EA	1.2633	$504.56

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot

Total:	**$504.56**
Division 32 Exterior Improvements Total:	**$504.56**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
163	321713190001	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	Install	8.00	$39.94	EA	1.2633	$403.65

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total: $403.65

Division 32 Exterior Improvements Total: $403.65

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
164	321723130024	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	Install	24.00	$0.64	LF	1.2633	$19.40

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Taxi Lane stop bar

Item Note: Includes solvent based and latex paints.

Total: $19.40

Division 32 Exterior Improvements Total: $19.40

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
165	321723130120	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	Install	220.00	$1.07	LF	1.2633	$297.38

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot

Total: $297.38

Division 32 Exterior Improvements Total: $297.38

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
166	321723130120	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	Install	100.00	$1.07	LF	1.2633	$135.17
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: Taxi Lane walkway						
							Total:	**$135.17**
							Division 32 Exterior Improvements Total:	**$135.17**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
167	321723130120	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	Install	200.00	$1.07	LF	1.2633	$270.35
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: Planned Area						
							Total:	**$270.35**
							Division 32 Exterior Improvements Total:	**$270.35**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
168	321723130125	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	Install	90.00	$5.43	EA	1.2633	$617.37
Accepted		***History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: Upper lot						
							Total:	**$617.37**
							Division 32 Exterior Improvements Total:	**$617.37**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
169	321723130125	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	Install	27.00	$5.43	EA	1.2633	$185.21

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total: $185.21

Division 32 Exterior Improvements Total: $185.21

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
170	321723130136	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	Install	9.00	$27.02	EA	1.2633	$307.21

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot

Item Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.

Total: $307.21

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
171	321723130136	For Blue Background With White Symbol, Add **MOD: 0482**	Install	9.00	$21.58	EA	1.2633	$245.36

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

Total: $245.36

Division 32 Exterior Improvements Total: $552.57

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
172	321723130136	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	Install	2.00	$27.02	EA	1.2633	$68.27

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Item Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.

Total: $68.27

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
173	321723130136	For Blue Background With White Symbol, Add **MOD: 0482**	Install	2.00	$21.58	EA	1.2633	$54.52

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

Total: $54.52

Division 32 Exterior Improvements Total: $122.79

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
174	321723130137	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas	Install	1.00	$41.12	EA	1.2633	$51.95

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Upper lot

Item Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.

Total: $51.95

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
175	321723130137	For Blue Background With White Symbol, Add **MOD: 0482**	Install	1.00	$45.84	EA	1.2633	$57.91

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

Total: $57.91

Division 32 Exterior Improvements Total: $109.86

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
176	321723130137	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas	Install	1.00	$41.12	EA	1.2633	$51.95

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Item Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.

Total: $51.95

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
177	321723130137	For Blue Background With White Symbol, Add **MOD: 0482**	Install	1.00	$45.84	EA	1.2633	$57.91

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment No** **Includes Materials Yes**

Total: $57.91

Division 32 Exterior Improvements Total: $109.86

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
178	321723130141	Painted Curb	Install	215.00	$2.12	LF	1.2633	$575.81

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot

Total: $575.81

Division 32 Exterior Improvements Total: $575.81

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
179	321723130141	Painted Curb	Install	1,200.00	$2.12	LF	1.2633	$3,213.84

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Taxi Lane

Total:	**$3,213.84**
Division 32 Exterior Improvements Total:	**$3,213.84**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
180	321723130141	Painted Curb	Install	222.00	$2.12	LF	1.2633	$594.56

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total:	**$594.56**
Division 32 Exterior Improvements Total:	**$594.56**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
181	321726000003	Embedded, VPC Truncated Dome Detectable Warning Surface	Install	60.00	$46.31	SF	1.2633	$3,510.21

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Item Note: Also raised strips or directional bars. All colors.

Total:	**$3,510.21**
Division 32 Exterior Improvements Total:	**$3,510.21**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
182	323113130035	3" Diameter, Grout Fill For Post Hole	Install	296.00	$8.97	VLF	1.2633	$3,354.21

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform railing
147 each x 2' ea

Total: $3,354.21

Division 32 Exterior Improvements Total: $3,354.21

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
183	323113130037	6" Diameter, Grout Fill For Post Hole	Install	24.00	$14.19	VLF	1.2633	$430.23

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area
2 each x 2'

Total: $430.23

Division 32 Exterior Improvements Total: $430.23

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
184	323119000036	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	Install	705.00	$76.01	LF	1.2633	$67,696.52
Accepted		*History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted*	Demo:	705.00	$11.87	LF	1.2633	$10,571.74
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: Platform railing					**Total:**	**$78,268.26**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
185	323119000036	For Verticals Up To 2" On Center, Add **MOD: 0120**	Install	705.00	$10.55	LF	1.2633	$9,396.11
Accepted		*History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted*						
		Includes Labor No Includes Equipment No Includes Materials Yes						
							Total:	**$9,396.11**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
186	323119000036	For 3" Square Posts, Add **MOD: 0128**	Install	705.00	$5.27	LF	1.2633	$4,693.60
Accepted		*History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted*						
		Includes Labor No Includes Equipment No Includes Materials Yes						
							Total:	**$4,693.60**
							Division 32 Exterior Improvements Total:	**$92,357.97**

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
187	329449000033	22" x 36" Sign And 12" x 18" Sign, With 1-3/4" Galvanized Square Sign Post In Concrete	Install	2.00	$469.13	EA	1.2633	$1,185.30

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area

Total: $1,185.30

Division 32 Exterior Improvements Total: $1,185.30

50 Custom Standards And Assemblies **$108,683.73**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
188	508982120002	CALTRANS 120116 TYPE II BARRICADE	Install	120.00	$36.54	EA	1.2633	$5,539.32

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform conc
12 each x 10 days

Total: $5,539.32

Division 50 Custom Standards And Assemblies Total: $5,539.32

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
189	508982120002	CALTRANS 120116 TYPE II BARRICADE	Install	180.00	$36.54	EA	1.2633	$8,308.98

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform railing
12 each x 15 day

Total: $8,308.98

Division 50 Custom Standards And Assemblies Total: $8,308.98

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
190	508982120002	CALTRANS 120116 TYPE II BARRICADE	Install	60.00	$36.54	EA	1.2633	$2,769.66

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot
12 each x 5 days

Total: $2,769.66

Division 50 Custom Standards And Assemblies Total: $2,769.66

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
191	508982120002	CALTRANS 120116 TYPE II BARRICADE	Install	60.00	$36.54	EA	1.2633	$2,769.66

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Taxi Lane
12 each x 5 days

Total: $2,769.66

Division 50 Custom Standards And Assemblies Total: $2,769.66

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
192	508982120002	CALTRANS 120116 TYPE II BARRICADE	Install	120.00	$36.54	EA	1.2633	$5,539.32

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Planned Area
12 each x 10 day

Total: $5,539.32

Division 50 Custom Standards And Assemblies Total: $5,539.32

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
193	508982120012	CALTRANS 120182 PORTABLE DELINEATOR	Install	500.00	$20.40	EA	1.2633	$12,885.66

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform conc
50 each x 10 day

Total: $12,885.66

Division 50 Custom Standards And Assemblies Total: $12,885.66

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
194	508982120012	CALTRANS 120182 PORTABLE DELINEATOR	Install	750.00	$20.40	EA	1.2633	$19,328.49

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Platform railing
50 each x 15 day

Total: $19,328.49

Division 50 Custom Standards And Assemblies Total: $19,328.49

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
195	508982120012	CALTRANS 120182 PORTABLE DELINEATOR	Install	500.00	$20.40	EA	1.2633	$12,885.66

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: Upper lot
100 each x 5 day

Total: $12,885.66

Division 50 Custom Standards And Assemblies Total: $12,885.66

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $926,204.08
Approved Date: March 17, 2025

Job Order: MTSJOC347-40
Job Order Name: El Cajon Transit Center Repairs
Location: El Cajon Transit Center 352 South Marshall Avenue El Cajon, CA 92020

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
196	508982120012	CALTRANS 120182 PORTABLE DELINEATOR	Install	500.00	$20.40	EA	1.2633	$12,885.66

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Planned Area
100 each x 5 day

Total:	**$12,885.66**
Division 50 Custom Standards And Assemblies Total:	**$12,885.66**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
197	508982120012	CALTRANS 120182 PORTABLE DELINEATOR	Install	1,000.00	$20.40	EA	1.2633	$25,771.32

Accepted

History: 1.1 Added,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: Taxi Lane
100 each x 10 day

Total:	**$25,771.32**
Division 50 Custom Standards And Assemblies Total:	**$25,771.32**
Proposal Total:	**$926,204.08**
The Percentage of Non Pre-Priced on this Proposal:	**0.0%**

Div

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** Includes Price Changes due to Construction Task Catalog update*

EXHIBIT C
(Subcontractor List)

DRAFT

San Diego Metropolitan Transit System
1255 Imperial Ave
San Diego, CA 92101

Subcontractor Report

Date: 3/27/2025

Job Order Contracting

Contract #: PWG347.0-22

Job Order #: MTSJOC347-40

Job Order Title: El Cajon Transit Center Repairs

Job Order Value: $926,204.08

Location: El Cajon Transit Center

Contractor: ABC General Inc.

Subcontractors: Access Professional Systems
C.E. CRIST INC
Diamond Striping Services
Koch General Engineering
Magnum Sealing & Paving

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Subcontractor Name	License Number	Describe Nature of Work (Trade)	Certifications	Subcontractor Total	Participation %
Access Professional Systems 1955 Cordell Ct, El Cajon, CA 92020	430971	New Railing	No Certification	$139,460.00	15.06%
C.E. CRIST INC 11213 El Nopal, Lakeside, CA 92040	532947	Railing Grout	No Certification	$50,000.00	5.40%
Diamond Striping Services No data, No data, CA 00000		New Striping	No Certification	$23,100.00	2.49%
Koch General Engineering PO Box 1190, Lakeside, CA 92040	1023489A	New AC	No Certification	$327,255.50	35.33%
Magnum Sealing & Paving 9229 Harris Plant Rd, San Diego, CA 92145	787734	Seal Coat	No Certification	$1,600.00	0.17%

Summary

Certification Name	Value	% Subcontracted
No Certification	$541,415.50	58.46%
Total	**$541,415.50**	**58.46%**

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 18

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Massachusetts Station Pavement Repair – Work Order Agreement

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute Work Order No. MTSJOC347-39 (in substantially the same format as Attachment A), under MTS Doc. No. PWG347.0-22, with ABC General Contractor, Inc. (ABCGC), in the amount of $399,627.73 for the Massachusetts Station Pavement Repair.

Budget Impact

The total cost for this contract is estimated to be $399,627.73 (Attachment A). Under separate MTS Doc. No. L1282.0-16 with The Gordian Group, MTS will pay a 1.76% job order contract (JOC) software license fee in the amount of $7,033.45. The project will be funded by the San Diego Trolley Inc. (SDTI) Facilities Operations Budget account 380016-571142.

DISCUSSION:

The sidewalk on the northwest corner of the Massachusetts Avenue Station, including three (3) ADA ramps, is cracking and poses multiple tripping hazards. Similarly, various sections of the eastbound and westbound trolley platforms exhibit tripping hazards. To mitigate these safety risks, the sidewalk and ADA ramps will be replaced, and the affected trolley platform sections will be removed and replaced with color-matched, reinforced Portland Cement Concrete Pavement (PCCP).

This work will be completed by issuing a JOC work order to MTS's JOC contractor for railroad construction services. JOC is a procurement method under which public agencies may accomplish frequently encountered repairs, maintenance, and construction projects through a single, competitively procured long-term agreement.

The JOC program includes a catalog of pricing for a variety of potential tasks to be performed under the contract that have been pre-priced by the contractor, The Gordian Group. All potential contractors are subject to the pricing within this catalog. Each contractor then includes an



adjustment factor, escalating their proposed price from the catalog price, to determine the total cost of the task order. The adjustment factor represents an average percentage increase over the catalog price (i.e., 1.25 adjustment factor represents 25% above the catalog price) for that respective task within the project. To select the lowest responsive and responsible bidder, MTS staff compares each contractor's proposed adjustment factor.

On April 12, 2019, MTS issued an Invitation for Bids (IFB) for an on-call JOC contractor to perform general civil construction, including repairs, remodeling, and site improvements such as earthwork, utilities, paving, concrete, drainage, landscaping, and related services.

Three (3) bids were received, and MTS determined that ABCGC was the lowest responsive and responsible bidder. On June 13, 2019 (Agenda Item (AI) 12), the MTS Board of Directors authorized the CEO to execute MTS Doc. No. PWG347.0-22 with ABCGC for Civil Construction Services.

Today's proposed action would issue a work order to ABCGC under this JOC master agreement. Staff has reviewed the pricing for this repair work order and determined it to be fair and reasonable. ABCGC will be providing materials, labor and equipment for this project. A list of subcontractors is included in Attachment A. Work is expected to be completed approximately by June 2025.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Work Order MTSJOC347-39 under JOC to MTS Doc. No. PWG347.0-22 (in substantially the same format as Attachment A), with ABCGC, in the amount of $399,627.73 for the Massachusetts Station Pavement Repair.

This work order is not subject to the Project Labor Agreement (PLA) approved under Board Policy No. 66 because it is under $1,000,000.00, and it is under a JOC agreement that was executed before the effective date of the PLA.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachment: A. Draft Job Order Contract MTSJOC347-39

Metropolitan Transit System

JOB ORDER CONTRACT
WORK ORDER

PWG347.0-22
CONTRACT NUMBER

MTSJOC347-39
WORK ORDER NUMBER

THIS AGREEMENT is entered into this _____ day of _____ 2025, in the state of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: ABC General Contractor, Inc. Address: 3120 National Avenue

San Diego, CA 92113

Form of Business: Corporation
(Corporation, partnership, sole proprietor, etc.)

Telephone: (619) 937-1010

Authorized person to sign contracts: Travis Brozowski (Name) President (Title)

Pursuant to the existing Job Order Contract (MTS Doc. No. PWG347.0-22), MTS issues a Work Order to Contractor to complete the detailed Scope of Work (attached hereto as Exhibit A), the Cost Breakdown for the Scope of Work (attached hereto as Exhibit B), and the Subcontractor List applicable to this Work Order (attached hereto as Exhibit C). Federal terms in accordance with master agreement apply.

TOTAL PAYMENTS TO CONTRACTOR SHALL NOT EXCEED: $399,627.73

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	ABC GENERAL CONTRACTOR, INC.
By: _____ Sharon Cooney, Chief Executive Officer	Firm: _____
Approved as to form:	By: _____ Signature
By: _____ Karen Landers, General Counsel	Title: _____

DRAFT

EXHIBIT A
(Scope of Work)

DRAFT

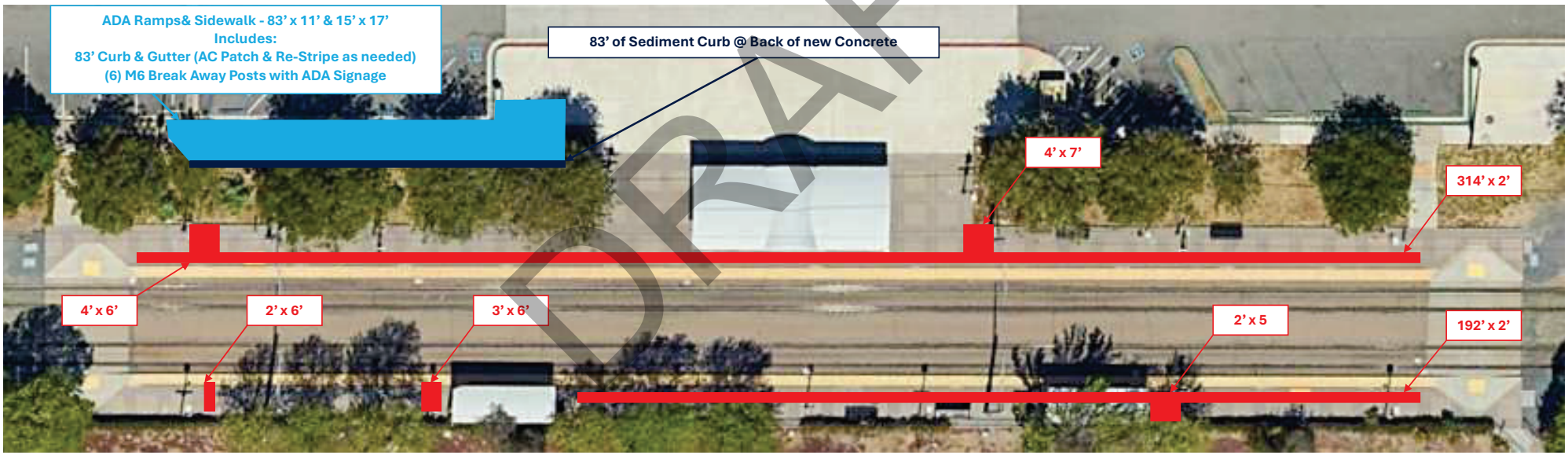
Massachusetts Ave Station

Platform Repair's:

- Saw Cut 8" and Remove Concrete/Soil
- Epoxy Dowel and Rebar
- Pour Colored, Exposed/Washed to match.
- Estimated 4 Phases

ADA Repairs:

- Remove Concrete C&G and Sidewalk
- Excavate And Remove Soils (+/-3") as needed to make ADA Grade
- Pour New ADA Concrete C&G and Sidewalk w/Sediment Curb along rear planter
- Include (6) M6 Break away Posts and ADA Signage
- AC Patch and Re-Stripe as needed



DRAFT

NTS / 01/15/2025
ABC General Contractor, Inc.

San Diego Metropolitan Transit System
1255 Imperial Ave
San Diego, California 92101

Final Scope of Work

Date: 3/26/2025

Job Order Contracting

To: **From:**

Contract Number:	PWG347.0-22
Job Order Number:	MTSJOC347-39
Job Order Title:	Massachusetts Station Pavement Repair
Location:	Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945
Brief Scope of Work:	This job order involves replacing sidewalk, ADA ramps, and sections of concrete on the trolley platform at Massachusetts Avenue Trolley Station.

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The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

MTSJOC347-39 - Massachusetts Station Pavement Repair

Detailed Scope of Work

The Contractor shall complete the project in its entirety, providing all labor, materials, equipment, and traffic/pedestrian control necessary for utility protection, material procurement, and all other required work per this Detailed Scope of Work and the Conformed Special Provisions.

This job order involves replacing sidewalk, ADA ramps, and sections of concrete on the trolley platform at Massachusetts Avenue Trolley Station.

Contractor Responsibilities:

- Remove and replace **919 SF (83-ft x 11-ft)** of sidewalk per **SDG-155**, including:
  - Three (3) ADA ramps per **SDG-131**
  - Install 83 feet of Rear Sediment curb
  - 83 feet of Curb and Gutter
  - Adjacent 15-ft x 17-ft of sidewalk at north end of ADA area
- Procure and Install six (6) EA M6 signs for 6 ADA Stalls
- Remove and dispose of **1104 SF** of pavers and platform concrete:
  - **680 SF** on the westbound platform
  - **424 SF** on the eastbound platform
- Install **1104 SF** of 8 inch thick reinforced concrete (#4 @ 12” OCEW dowelled into existing) with

colored concrete on the platform

- Platform concrete installation requirements:
  - Color: **"920 Smoke" by Solomon Colors** or approved equal
  - Finish: **Trowel finish (not broom finish)**
  - Tool joints: **Straight, matching the size of existing pavers**
  - Finished concrete to be sprayed with **Dayton Superior "Top Cast 03"** or equivalent and pressure washed the following day to match adjacent pavers as closely as possible

Submittals:

- Work plan, including pedestrian control plan, and phasing plan
- Platform concrete specifications:
  - **Color:** "920 Smoke" by Solomon Colors or approved equal
  - **Mix:** Superior Ready Mix **4000 PSI Mix ID 868P** or approved equal

Exclusions:

- **MTS flagging costs**

Specifications:

All work shall comply with the Special Provisions of the executed **MTS Job Order Contract (JOC) PWG347.0-22**.

Contract Schedule:

The project must be completed **within 60 calendar days** from the issuance of the **Notice to Proceed (NTP)**.

DRAFT

All job orders include the labor, equipment, and material costs for a complete and in-place installation, unless otherwise noted.

EXHIBIT B
(Cost Breakdown)

DRAFT

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Division		Install Total	NPP Total	Demo Total	Division Total
01	General Requirements	$199,417.32	$0.00	$0.00	$199,417.32
02	Existing Conditions	$98,078.61	$0.00	$0.00	$98,078.61
03	Concrete	$45,119.34	$0.00	$0.00	$45,119.34
31	Earthwork	$5,169.35	$0.00	$0.00	$5,169.35
32	Exterior Improvements	$30,796.78	$0.00	$0.00	$30,796.78
50	Custom Standards And Assemblies	$21,046.33	$0.00	$0.00	$21,046.33
	Total:	**$399,627.73**	**$0.00**	**$0.00**	**$399,627.73**

Line Count: 81 **Proposal Total: $399,627.73**

Total Reflects Filtered Statuses: Added, Clarification Requested, Clarified, Confirmed Removal, Modified, No Change, OverRuled, Rejected, Removed, Retained, System Removal Acknowledged by Contractor, System Removal Acknowledged by Owner, System Removed

The Percentage of Non Pre-Priced on this Proposal: 0.0%

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

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01 General Requirements **$199,417.32**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
1	012216000004	Reimbursable Fees	Install	3,170.00	$1.00	EA	1.2633	$4,004.66

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

User Note: platform
PW fees for concrete
PW set up fee 550
PW truck fee 220 per truck x 12 trucks

Item Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

Total: $4,004.66

Division 01 General Requirements Total: $4,004.66

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
2	012216000004	Reimbursable Fees	Install	660.00	$1.00	EA	1.2633	$833.78

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

User Note: ADA Ramps
PW truck fee 220 per truck x 3 trucks

Item Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

Total: $833.78

Division 01 General Requirements Total: $833.78

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
3	012216000004	Reimbursable Fees	Install	14,000.00	$1.00	EA	1.2633	$17,686.20

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: After Hours Concrete Plant opening, 2 weekends 3500/day

Item Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

Total:	**$17,686.20**
Division 01 General Requirements Total:	**$17,686.20**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
4	012223000289	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	Install	0.50	$6,279.51	WK	1.2633	$3,966.45

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Modified,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: ADA Ramps

Total:	**$3,966.45**
Division 01 General Requirements Total:	**$3,966.45**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
5	012223000425	7,500 LB Mini-Excavator With Full-Time Operator	Install	1.00	$5,038.99	WK	1.2633	$6,365.76

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: ADA Ramps

Total:	**$6,365.76**
Division 01 General Requirements Total:	**$6,365.76**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
6	012223001347	13 CY Rear Dump Truck With Full-Time Truck Driver	Install	24.00	$1,894.52	DAY	1.2654	$57,535.81

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: platform

2 days of demo per phase, 2 truck per day = 24

Total: $57,535.81

Division 01 General Requirements Total: $57,535.81

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
7	012223001347	13 CY Rear Dump Truck With Full-Time Truck Driver	Install	3.00	$1,894.52	DAY	1.2633	$7,180.04

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: ADA Ramps

Total: $7,180.04

Division 01 General Requirements Total: $7,180.04

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
8	012223001358	2,000 Gallon Water Truck With Full-Time Driver	Install	12.00	$1,288.41	DAY	1.2633	$19,531.78

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: platform

2 days of demo per phase, 1 per day = 12

Total: $19,531.78

Division 01 General Requirements Total: $19,531.78

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
9	012223001359	2,000 Gallon Water Truck With Full-Time Driver	Install	1.00	$4,867.45	WK	1.2633	$6,149.05

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: ADA Ramps

Total:	**$6,149.05**
Division 01 General Requirements Total:	**$6,149.05**

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
10	015219000002	Portable Chemical Toilet	Install	1.00	$65.66	WK	1.2633	$82.95

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: ADA Ramps

Total: $82.95

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
11	015219000002	For Each Additional Servicing Per Unit Per Week, Add **MOD: 0003**	Install	1.00	$25.00	WK	1.2633	$31.58

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $31.58

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
12	015219000002	For Each Delivery, Add **MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $147.38

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Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
13	015219000003	Portable Chemical Toilet	Install	1.00	$196.99	MO	1.2654	$249.27

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: platform

Total: $249.27

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
14	015219000003	For Each Additional Servicing Per Unit Per Week, Add **MOD: 0003**	Install	4.00	$25.00	MO	1.2654	$126.54

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $126.54

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
15	015219000003	For Each Delivery, Add **MOD: 0004**	Install	1.00	$26.00	MO	1.2654	$32.90

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.90

Division 01 General Requirements Total: $408.71

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
16	015219000008	Two Station Portable Handwash	Install	1.00	$44.22	WK	1.2633	$55.86

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: ADA Ramps

Total: $55.86

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
17	015219000008	For Each Delivery, Add **MOD: 0004**	Install	1.00	$26.00	WK	1.2633	$32.85

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.85

Division 01 General Requirements Total: $88.71

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
18	015219000009	Two Station Portable Handwash	Install	1.00	$134.15	MO	1.2654	$169.75

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: platform

Total: $169.75

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
19	015219000009	For Each Delivery, Add **MOD: 0004**	Install	1.00	$26.00	MO	1.2654	$32.90

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Total: $32.90

Division 01 General Requirements Total: $202.65

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
20	015626000143	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	Install	720.00	$7.04	LF	1.2654	$6,414.06

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: platform

Total: $6,414.06

Division 01 General Requirements Total: $6,414.06

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
21	015626000143	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	Install	400.00	$7.04	LF	1.2633	$3,557.45

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: ADA Ramps

Total: $3,557.45

Division 01 General Requirements Total: $3,557.45

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
22	015626000158	Temporary Chain Link Fence Panels (Portable) Sandbag	Install	1,400.00	$6.11	BAG	1.2654	$10,824.23

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: platform

Item Note: Includes placement and removal.

Total: $10,824.23

Division 01 General Requirements Total: $10,824.23

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
23	015626000158	Temporary Chain Link Fence Panels (Portable) Sandbag	Install	720.00	$6.11	BAG	1.2633	$5,557.51

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: ADA Ramps

Item Note: Includes placement and removal.

Total: $5,557.51

Division 01 General Requirements Total: $5,557.51

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Price Proposal Detail Report

By Division
Version: 3.0
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Proposal Value: $399,627.73
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Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
24	015626000167	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	Install	3,600.00	$0.95	LF	1.2654	$4,327.67
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment No Includes Materials No						
		User Note: platform to relocate 720 lf of temp fence 5 time						
							Total:	**$4,327.67**
							Division 01 General Requirements Total:	**$4,327.67**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
25	016500000004	>250 To 500' Material Handling On Site With Wheelbarrow	Install	702.00	$13.05	EA	1.2654	$11,592.46
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***	**Demo:**	702.00	$0.00	EA	1.2654	$0.00
		Includes Labor Yes Includes Equipment Yes Includes Materials No						
		User Note: platform Removal of demo'd Platform Pavers/Concrete out to parking lot west platform 17 cy x 2 time= 34 cy east platform 11 cy x 4 time = 44 cy Total : 78CY / 3CF per WB = 702ea.						
							Total:	**$11,592.46**
							Division 01 General Requirements Total:	**$11,592.46**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
26	016619000005	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	Install	390.00	$6.18	CY	1.2654	$3,049.87
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials No						
		User Note: platform west platform 17 cy x 2 time= 34 cy east platform 11 cy x 4 time = 44 cy Total 78CY x 5						
							Total:	**$3,049.87**
							Division 01 General Requirements Total:	**$3,049.87**

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Price Proposal Detail Report

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Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
27	017113000004	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed	Install	2.00	$1,449.76	EA	1.2654	$3,669.05

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: platform

Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.

Total:	**$3,669.05**
Division 01 General Requirements Total:	**$3,669.05**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
28	017113000004	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed	Install	4.00	$1,449.76	EA	1.2633	$7,325.93

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: ADA Ramps
bobcat, mini exc and single drum roll and double drum roller

Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.

Total:	**$7,325.93**
Division 01 General Requirements Total:	**$7,325.93**

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Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
29	017123160019	Survey Clear Area For Underground Utilities	Install	0.10	$6,059.03	ACR	1.2654	$766.71

Accepted

History: 1.1 Added,1.2 Removed,1.3 Retained,2.0 Accepted,2.1 Accepted,2.2 Modified,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Owner Comments: *V:1.2-Seems a little excessive for CPL since the depth is only 8 inches below finish grade.*

Contractor Comments: *V:1.3-This is for CPL (Markout) and has to be done*

User Note: platform

Total: $766.71

Division 01 General Requirements Total: $766.71

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
30	017123160019	Survey Clear Area For Underground Utilities	Install	0.10	$6,059.03	ACR	1.2633	$765.44

Accepted

History: 1.1 Added,1.2 Removed,1.3 Retained,2.0 Accepted,2.1 Accepted,2.2 Modified,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Owner Comments: *V:1.2-Seems a little excessive for CPL.*

Contractor Comments: *V:1.3-This is for CPL (Markout) and has to be done*

User Note: ADA Ramps

Total: $765.44

Division 01 General Requirements Total: $765.44

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
31	017419000021	Rampless Concrete Washout Bin	Install	1.00	$658.35	MO	1.2654	$833.08

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: platform

Item Note: Includes delivery.

Total: $833.08

Division 01 General Requirements Total: $833.08

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Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
32	017419000021	Rampless Concrete Washout Bin	Install	0.25	$658.35	MO	1.2633	$207.92

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Owner Comments: *V:1.2-ADA ramps shoudn't take a month.*

User Note: ADA Ramps

Item Note: Includes delivery.

Total: $207.92

Division 01 General Requirements Total: $207.92

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
33	017419000036	General Refuse	Install	156.00	$62.43	TON	1.2654	$12,323.83

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: platform
78 cy x 2 tn/cy

Total: $12,323.83

Division 01 General Requirements Total: $12,323.83

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
34	017419000036	General Refuse	Install	52.00	$62.43	TON	1.2633	$4,101.13

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

Owner Comments: *V:1.2-Corrected to 17 CY for ADA ramp*

User Note: ADA Ramps
concrete 20 cy
dirt 7 cy
ac 2 cy n

Total: $4,101.13

Division 01 General Requirements Total: $4,101.13

02 Existing Conditions **$98,078.61**

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
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Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
35	024113130003	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	Install	19.00	$20.24	SY	1.2633	$485.81

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: ADA Ramps

Total: $485.81

Division 02 Existing Conditions Total: $485.81

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
36	024113130009	>3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving	Install	103.00	$22.32	SY	1.2633	$2,904.28

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: ADA ramps 830sf
Extra Sidewalk 255sf
Curb & Gutter 112sf

Total: $2,904.28

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
37	024113130009	For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add **MOD: 0012**	Install	133.00	$6.69	SY	1.2633	$1,124.05

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Total: $1,124.05

Division 02 Existing Conditions Total: $4,028.33

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
38	024113130026	>6" To 8" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	Install	1,104.00	$11.34	SF	1.2654	$15,842.00

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: platform

Total: $15,842.00

Division 02 Existing Conditions Total: $15,842.00

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
39	024119130061	Non Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	Install	1,110.00	$2.43	LF	1.2654	$3,413.16

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: platform
for demo

Total: $3,413.16

Division 02 Existing Conditions Total: $3,413.16

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
40	024119130063	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	Install	5,000.00	$5.35	LF	1.2654	$33,849.45

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: platform
new cut joints to match

Total: $33,849.45

Division 02 Existing Conditions Total: $33,849.45

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
41	024119130071	Saw Cut Minimum Set-up Charge, One Per Project	Install	1.00	$978.51	EA	1.2633	$1,236.15

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: ADA Ramps

Item Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

Total: $1,236.15

Division 02 Existing Conditions Total: $1,236.15

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
42	024119130281	5/8" Diameter Drilling In Concrete Per Inch Of Depth	Install	12,756.00	$2.43	IN	1.2654	$39,223.71

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: platform
dowel 1063 ea x 12"

Total: $39,223.71

Division 02 Existing Conditions Total: $39,223.71

03 Concrete **$45,119.34**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
43	030513000021	Premium Color (See Davis Colors Color Card), Concrete Admixture	Install	28.00	$108.44	CY	1.2654	$3,842.16

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No Includes Equipment No Includes Materials Yes

User Note: platform
1104 sf x 8" = 28 cy

Total: $3,842.16

Division 03 Concrete Total: $3,842.16

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
44	032111000128	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	Install	1,702.00	$0.97	LF	1.2654	$2,089.10

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: platform

Total: $2,089.10

Division 03 Concrete Total: $2,089.10

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
45	032111000242	1/2" Diameter x 24" Long, Deformed Straight Dowel	Install	1,063.00	$3.15	EA	1.2654	$4,237.13

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: platform

Total: $4,237.13

Division 03 Concrete Total: $4,237.13

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
46	033113000007	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	Install	1,104.00	$10.77	SF	1.2654	$15,045.71

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: platform

Total: $15,045.71

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
47	033113000007	For 4,000 PSI Concrete, Add **MOD: 0150**	Install	1,104.00	$0.41	SF	1.2654	$572.77

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor No **Includes Equipment No** **Includes Materials Yes**

Total: $572.77

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
48	033113000007	For Up To 500, Add **MOD: 0153**	Install	1,104.00	$3.84	SF	1.2654	$5,364.49

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: platform
6 phases

Total: $5,364.49

Division 03 Concrete Total: $20,982.97

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
49	033513000006	Steel Trowel, Concrete Floor Finish	Install	1,104.00	$1.54	SF	1.2654	$2,151.38

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: platform

Total: $2,151.38

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
50	033513000006	For >100 To 250, Add **MOD: 0052**	Install	1,104.00	$0.78	SF	1.2654	$1,089.66

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: platform
6 phases

Total: $1,089.66

Division 03 Concrete Total: $3,241.04

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
51	033523000002	Exposed Aggregate, Concrete Floor Finish	Install	1,104.00	$2.92	SF	1.2654	$4,079.24

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: platform

Total: $4,079.24

Division 03 Concrete Total: $4,079.24

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
52	033716000010	35 CY/HR, 66 HP Trailer Mounted Concrete Pump	Install	40.00	$122.78	HR	1.2654	$6,214.63

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Owner Comments: *V:1.2-Should be 5 phases*

User Note: platform
1 day per phase x 6 phase x 8 hrs

Item Note: Includes hoses

Total: $6,214.63

Division 03 Concrete Total: $6,214.63

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
53	033913000002	Water Based Curing, Sealing, Hardening And Dustproofing Compound	Install	1,104.00	$0.31	SF	1.2654	$433.07

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment No Includes Materials Yes

User Note: platform

Item Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.

Total: $433.07

Division 03 Concrete Total: $433.07

31 Earthwork **$5,169.35**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
54	312316130014	Compaction of Fill or Subbase for Trenches by Hand	Install	21.00	$37.19	CY	1.2654	$988.26

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: platform

Total: $988.26

Division 31 Earthwork Total: $988.26

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
55	312316360003	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	Install	7.00	$8.73	CY	1.2633	$77.20

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: ADA Ramps
1104sf x 2" = 7 cy

Total: $77.20

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
56	312316360003	For Up To 20, Add	MOD: 0014	Install	7.00	$8.73	CY	1.2633	$77.20

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Total: $77.20

Division 31 Earthwork Total: $154.40

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
57	312316360022	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	Install	17.00	$37.18	CY	1.2633	$798.48

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Owner Comments: *V:1.2-919 SF @ 6 inches = 17 CY*

User Note: ADA Ramps
1104sf x 6" = 21 cy

Total: $798.48

Division 31 Earthwork Total: $798.48

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
58	312316360026	Finish Grading For Building Foundations And Other Structures by Hand	Install	103.00	$10.99	SY	1.2654	$1,432.39

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Owner Comments: *V:1.2-Should be 103 SY or 919 SF*

User Note: platform

Total: $1,432.39

Division 31 Earthwork Total: $1,432.39

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
59	312316360026	Finish Grading For Building Foundations And Other Structures by Hand	Install	103.00	$10.99	SY	1.2633	$1,430.02

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Owner Comments: *V:1.2-Should be 103 SY or 919 SF*

User Note: ADA Ramps

Total: $1,430.02

Division 31 Earthwork Total: $1,430.02

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
60	312316360028	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	Install	7.00	$5.98	CY	1.2633	$52.88

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: ADA Ramps

Total: $52.88

Record #	CSI Number	Description		Type	Quantity	Unit Price	UOM	Factor	Line Total
61	312316360028	For Up To 20, Add	**MOD: 0026**	Install	7.00	$5.98	CY	1.2633	$52.88

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

Total: $52.88

Division 31 Earthwork Total: $105.76

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
62	312413000019	Finish Grade For Curb	Install	83.00	$1.12	LF	1.2633	$117.44

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: ADA Ramps

Total: $117.44

Division 31 Earthwork Total: $117.44

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
63	312413000020	Finish Grade For Curb And Gutter	Install	83.00	$1.36	LF	1.2633	$142.60

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: ADA Ramps

Total: $142.60

Division 31 Earthwork Total: $142.60

32 Exterior Improvements **$30,796.78**

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
64	320117630022	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons	Install	1.00	$2,128.94	EA	1.2633	$2,689.49

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: ADA Ramps

Item Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

Total: $2,689.49

Division 32 Exterior Improvements Total: $2,689.49

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
65	320117630025	Asphalt Placement For Small Repair Areas, Hot Mix	Install	2.00	$241.81	TON	1.2633	$610.96

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: ADA Ramps

Item Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

Total: $610.96

Division 32 Exterior Improvements Total: $610.96

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
66	321613130008	6" x 18" Cast In Place Concrete Curb	Install	83.00	$22.77	LF	1.2633	$2,387.52

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: ADA Ramps

Total: $2,387.52

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
67	321613130008	For >50 To 100, Add **MOD: 0079**	Install	83.00	$2.93	LF	1.2633	$307.22

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

Total: $307.22

Division 32 Exterior Improvements Total: $2,694.74

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
68	321613130014	Additional Finish For Handicap Drop Section In Curb	Install	6.00	$66.51	EA	1.2633	$504.13

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: ADA Ramps

Total: $504.13

Division 32 Exterior Improvements Total: $504.13

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
69	321613130020	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6)	Install	83.00	$37.38	LF	1.2633	$3,919.44
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: ADA Ramps					**Total:**	**$3,919.44**
Record #	**CSI Number**	**Description**	**Type**	**Quantity**	**Unit Price**	**UOM**	**Factor**	**Line Total**
70	321613130020	For >50 To 100, Add **MOD: 0084**	Install	83.00	$5.61	LF	1.2633	$588.23
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
							Total:	**$588.23**
							Division 32 Exterior Improvements Total:	**$4,507.67**
Record #	**CSI Number**	**Description**	**Type**	**Quantity**	**Unit Price**	**UOM**	**Factor**	**Line Total**
71	321613160010	Pedestrian/Handicap Ramp, Complete	Install	6.00	$126.14	EA	1.2633	$956.12
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials Yes						
		User Note: ADA Ramps					**Total:**	**$956.12**
							Division 32 Exterior Improvements Total:	**$956.12**

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** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
72	321623000002	4" Cast In Place Concrete Sidewalk	Install	919.00	$8.56	SF	1.2633	$9,937.93

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

Owner Comments: *V:1.2-Should be 919 SF for the ADA ramp section.*

User Note: ADA Ramps

Total: $9,937.93

Division 32 Exterior Improvements Total: $9,937.93

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
73	321623000008	Finish Concrete Handicap Drop Section In Sidewalk	Install	6.00	$126.26	EA	1.2633	$957.03

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials No**

User Note: ADA Ramps

Item Note: Excludes patterned (tactile) finish.

Total: $957.03

Division 32 Exterior Improvements Total: $957.03

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
74	321726000003	Embedded, VPC Truncated Dome Detectable Warning Surface	Install	72.00	$46.31	SF	1.2633	$4,212.25

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes **Includes Equipment Yes** **Includes Materials Yes**

User Note: ADA Ramps

Item Note: Also raised strips or directional bars. All colors.

Total: $4,212.25

Division 32 Exterior Improvements Total: $4,212.25

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
75	323113130007	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	Install	9.00	$15.00	VLF	1.2633	$170.55

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials No

User Note: ADA Ramps

Total: $170.55

Division 32 Exterior Improvements Total: $170.55

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
76	329449000033	22" x 36" Sign And 12" x 18" Sign, With 1-3/4" Galvanized Square Sign Post In Concrete	Install	6.00	$469.13	EA	1.2633	$3,555.91

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: ADA Ramps

Total: $3,555.91

Division 32 Exterior Improvements Total: $3,555.91

50 Custom Standards And Assemblies $21,046.33

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
77	508982120002	CALTRANS 120116 TYPE II BARRICADE	Install	60.00	$36.54	EA	1.2633	$2,769.66

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: platform
6 each 10 days

Total: $2,769.66

Division 50 Custom Standards And Assemblies Total: $2,769.66

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
78	508982120002	CALTRANS 120116 TYPE II BARRICADE	Install	60.00	$36.54	EA	1.2633	$2,769.66

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: ADA Ramps
6 each x 10 day

Total: $2,769.66

Division 50 Custom Standards And Assemblies Total: $2,769.66

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
79	508982120012	CALTRANS 120182 PORTABLE DELINEATOR	Install	250.00	$20.40	EA	1.2633	$6,442.83

Accepted

History: 1.1 Added,1.2 Modified,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: platform
25 each x 10 days

Total: $6,442.83

Division 50 Custom Standards And Assemblies Total: $6,442.83

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
80	508982120012	CALTRANS 120182 PORTABLE DELINEATOR	Install	250.00	$20.40	EA	1.2633	$6,442.83

Accepted

History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted

Includes Labor Yes Includes Equipment Yes Includes Materials Yes

User Note: ADA Ramps
25 each x 10 days

Total: $6,442.83

Division 50 Custom Standards And Assemblies Total: $6,442.83

DRAFT

** Includes Price Changes due to Construction Task Catalog update*

Price Proposal Detail Report

By Division
Version: 3.0
Approved
Proposal Value: $399,627.73
Approved Date: March 17, 2025

Job Order: MTSJOC347-39
Job Order Name: Massachusetts Station Pavement Repair
Location: Massachusetts Ave Trolley Station 1787 San Altos Pl. Lemon Grove, CA 91945

Contractor: ABC General Inc.
Contract Number: PWG347.0-22
Contract Name: JOC CIVIL CONSTRUCTION SERVICES - Option 2

Record #	CSI Number	Description	Type	Quantity	Unit Price	UOM	Factor	Line Total
81	508988730019	CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER)	Install	83.00	$25.00	LF	1.2633	$2,621.35
Accepted		***History: 1.1 Added,1.2 Accepted,1.3 Accepted,2.0 Accepted,2.1 Accepted,2.2 Accepted,2.3 Accepted,3.0 Accepted***						
		Includes Labor Yes Includes Equipment Yes Includes Materials No						
		User Note: ADA Ramps						
							Total:	**$2,621.35**
							Division 50 Custom Standards And Assemblies Total:	**$2,621.35**
							Proposal Total:	**$399,627.73**
Div							**The Percentage of Non Pre-Priced on this Proposal:**	**0.0%**

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** Includes Price Changes due to Construction Task Catalog update*

EXHIBIT C
(Subcontractor List)

DRAFT

San Diego Metropolitan Transit System
1255 Imperial Ave
San Diego, CA 92101

Subcontractor Report

Date: 3/26/2025

Job Order Contracting

Contract #: PWG347.0-22

Job Order #: MTSJOC347-39

Job Order Title: Massachusetts Station Pavement Repair

Job Order Value: $399,627.73

Location: Massachusetts Ave Trolley Station

Contractor: ABC General Inc.

Subcontractor: Koch General Engineering

Subcontractor Name	License Number	Describe Nature of Work (Trade)	Certifications	Subcontractor Total	Participation %
Koch General Engineering PO Box 1190, Lakeside, CA 92040	1023489A	New Concrete	No Certification	$211,590.00	52.95%

Summary

Certification Name	Value	% Subcontracted
No Certification	$211,590.00	52.95%
Total	**$211,590.00**	**52.95%**

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Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 19

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Mural Artwork on MTS East Beyer Rail Bridge located in San Ysidro – Contract Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute MTS Doc No. PWL421.0-25 (in substantially the same format as Attachment A), with Michelle Guerrero, DBA, Mr. B Baby, a Small Business (SB), for the design and installation and an as-needed five-year maintenance plan for mural artwork on the MTS East Beyer Rail Bridge in the amount of $169,938.17.

Budget Impact

The total contract cost of services and materials of Mural is estimated to be $169,938.17 inclusive of conceptualization, design and installation. The project will be funded by Capital Improvement Program (CIP) account 2008123401 and is part of the Social Equity Listening Tour (SELT) project list.

DISCUSSION:

In the summer of 2022, MTS partnered with Pueblo Planning to conduct a social equity listening tour to identify the needs and priorities within our service area. On May 18, 2023 (Agenda Item (AI) 17), the MTS Board approved $2,720,000 in funding from its Capital Improvement Program (CIP) for projects identified as a result of the SELT outreach. One of the goals of SELT projects is for MTS to maintain clean, accessible, and inviting spaces and promote active transportation through appealing aesthetics.

One of the SELT project concepts approved by the Board was to install lighting and a mural from a local artist under the railroad bridge crossing Beyer Boulevard in San Ysidro (just north of entrance to the freight yard):



Today's proposed action would award a contract for a mural to be installed and maintained in this location. The goal of the project is to create a captivating and visually appealing mural on the MTS East Beyer Bridge abutments and face of bridge on south and north end of Beyer Bridge. MTS sought a local artist to create a mural that reflects the essence of the local community, its values, and aspirations. A mural in this location will also allow MTS to enhance the aesthetic appeal of the bridge abutments while fostering a sense of identity and pride among community members.

The mural dimensions are 135 ft by 14.5 ft on each side and cover all of the bridge abutments and part of the bridge face. A concept drawing of the proposed Mr. B Baby mural is shown in Attachment B.

The proposed mural and local artist contract followed a competitive solicitation process. On October 3, 2024, MTS issued a Request for Proposals for the East Beyer Bridge Mural project. On November 22, 2024, MTS received a total of three (3) responsive proposals from the following firms:

Firm	Certification
Farallon Design Inc. DBA Rainforest Art Project	None
Flavorbyte	None
Mr B Baby	SB

On January 15, 2025 an evaluation panel consisting of MTS staff from SDTI Facilities and Marketing departments, as well as a non-voting, technical advisor, Keith Opstad (member of the City of San Diego Commission for Arts and Culture specializing in murals), reviewed the proposals based on the following criteria:

Criteria	% of 95	Max Pts.
Qualifications of the Firm or Individual	20%	19.00
Artwork Design	35%	33.25
Work Plan	25%	23.75

Cost and Price	15%	14.25

During the initial evaluation, the selection committee scored and ranked the firms as follows:

Rank	Firm Name	Technical (Max 76 pts)	Cost (Max 14.25 pts)	Proposed Cost	Total Score (Max 90.25 pts)
1	Mr B Baby	74.42	5.90	$169,938.17	77.10
2	Rainforest Art Project	62.54	0.78	$584,500.00	63.32
3	Flavorbyte	34.94	14.25	$31,990.00	49.19

After considering the technical and price factors, the selection committee deemed that local Michelle Guerrero doing business as Mr B Baby provided the best value for the artistic services, and requested a Best and Final Offer (BAFO) from the firm. The BAFO request did not result in a price change from Mr. B Baby's original offer of $169,938.17. A rendering of the recommended Mural by Mr. B. Baby is shown in Attachment B.

Michelle Guerrero, also known as "Mr B Baby", is a local artist from Chula Vista. Her artwork is described as a fusion of Mexican folk art and children's books, providing a "whimsical twist on universal themes, giving them a playful, colorful touch."[1]

Therefore, staff recommends that the MTS Board of Directors approve to authorize the CEO to execute MTS Doc No. PWL421.0-25 (in substantially the same format as Attachment A), with Michelle Guerrero, DBA, Mr B Baby, a SB, for the design and installation and an as-needed five-year maintenance plan for mural artwork on the MTS East Beyer Rail Bridge in the amount of $169,938.17.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachment: A. Draft Agreement, MTS Doc No. PWL421.0-25
B. Sample of Mural

[1] https://mrbbabyart.com/pages/about-me

Metropolitan Transit System

STANDARD AGREEMENT

FOR

MTS DOC. NO. PWL421.0-25

EAST BEYER BRIDGE MURAL

THIS AGREEMENT is entered into this _____ day of _____, 2024 in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: Michelle Guerrero, dba Mr. B Baby

Address: 1882 Port Albans

Chula Vista, CA 91913
City State Zip

Form of Business: S Corp
(Corporation, Partnership, Sole Proprietor, etc.)

Email: mrbbabyart@gmail.com

Telephone: 619.993.1998

Authorized person to sign contracts Michelle Guerrero (Name) Owner (Title)

The Contractor agrees to provide services as specified in the conformed Scope of Work/Technical Specification/Artist Proposal (Exhibit A), Contractor's Cost/Pricing Form (Exhibit B), and in accordance with the Standard Agreement, including Standard Conditions (Exhibit C), and Forms (Exhibit D).

The contract term shall be based upon the negotiated timeline for the creation and painting the mural and a five (5) year maintenance period. The maintenance period shall be effective 5 years from the date the Artwork installation is completed.

Payment terms shall be net 30 days from invoice date. The total cost of this contract shall not exceed $169,938.17 without the express written consent of MTS.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	MR. B BABY
By: _____ Sharon Cooney, Chief Executive Officer	By _____
Approved as to form:	
By: _____ Karen Landers, General Counsel	Title: _____

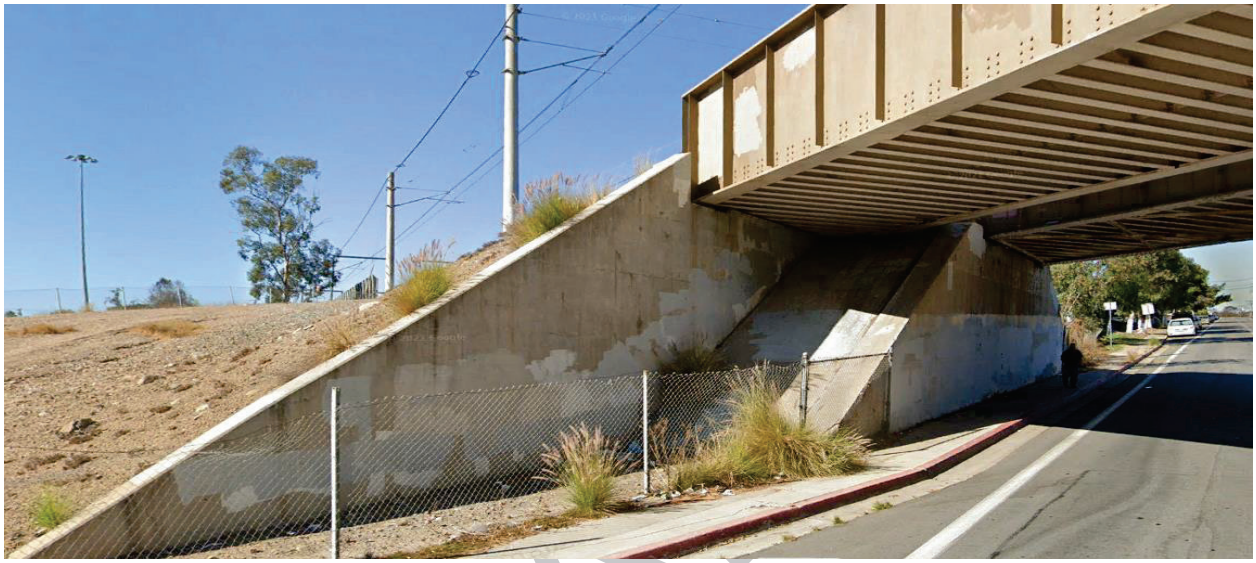
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EXHIBIT A
SCOPE OF WORK/TECHNICAL SPECIFICATION/ARTIST PROPOSAL

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5.1. SCOPE/BACKGROUND

The Contractor shall conceptualize, design, and execute the mural on the East Beyer Bridge east and west abutments. The mural dimensions are approximately 135 ft X 14.5 ft on each side. The mural should cover most, if not all, of the bridge abutments and the bridge face can also be used if proposed. The Contractor shall work closely with our project team to ensure the mural aligns with the overall theme and vision of the community.









5.2. PERIOD OF PERFORMANCE

Artist shall install final approved artwork by June 2025.

5.2.1 Maintenance Plan

MTS anticipates possible wear and tear and/or graffiti which may require maintenance once the murals have been completed. Successful Artist will provide MTS a Maintenance Manual upon mural completion that will provide MTS staff instructions on how it should be maintained to keep the mural's integrity. Additionally, the successful will be required to provide MTS as-needed maintenance and repair. The as-needed maintenance and repair plan shall be for a period of (five) 5 years from MTS acceptance of Artwork.

5.3. ARTISTIC VISION

The mural should convey themes of unity, diversity, and community strength. It should celebrate the cultural heritage of our community while also looking towards a vibrant and inclusive future. Using bold colors, intricate details, and meaningful symbolism is encouraged.

5.4 WORK PLAN

5.4.1 Final Design of Artwork

The successful Artist shall provide MTS detailed digital images documenting the final design of the Artwork and a Work Plan documenting the fabrication and installation processes of the completed artwork, along with product data sheets for any material or finish used.

5.4.2 Installation of Murals

The successful Artist will be responsible for prepping and preparing the retaining wall surface, painting the murals, and cleaning and removing materials once complete.

As further described in this Contract, Prevailing Wage applies and Artist and any subcontractors must be registered with DIR.

Materials for the mural, such as paint, UV protection, anti-graffiti, protective finish coats etc.) should maintain the mural's integrity over at least 1-year period with minimal maintenance costs. The area may experience fog, sea salt air, heat, and wind.

MTS will provide reasonable access and clear pathways on its property to the mural sites in order to install the work. Vegetation or fences may obstruct the view of the murals from certain vantage points and MTS is not responsible for ensuring full visibility of the murals.

5.5 GENERAL REQUIREMENTS

A. Artist shall purchase all labor, supplies, materials and equipment required, and fabricate, deliver, install, and maintain to the satisfaction of MTS the Artwork in accordance with the Proposal (Exhibit A). ARTIST may not make any material change to the Artwork Conceptual Design Proposal without MTS's prior written approval.

B. Artist shall fabricate and install the Artwork in conformance with all applicable federal, state and local laws, including without limitation, the California Building Standards Code as amended by the City of San Diego.

C. With advance notice from MTS, Artist shall attend at least one public presentation regarding the Artwork after completion.

5.4. [NOT APPLICABLE] BUY AMERICA

5.1.1. [NOT APPLICABLE] CONSTRUCTION MATERIALS

5.1.2. [NOT APPLICABLE] MANUFACTURED PRODUCT

5.1.3. [NOT APPLICABLE] ROLLING STOCK

5.1.4. [NOT APPLICABLE] IRON OR STEEL

5.5. INVOICES

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Invoices must be sent to the MTS Accounting Department, via email, at ap@sdmts.com. All invoices must have the Purchase Order and contract number clearly displayed to ensure timely payment. MTS will not pay on packing slips, receiving documents, delivery documents, or other similar documents. Invoices must be submitted for payment.

Payment terms shall be net 30 days from invoice date.

Contractors must also indicate if any of the invoiced amount(s) is for service or work provided by a subcontractor and indicate the amount that will be paid to the subcontractor. Contractors must also comply with the prompt payment requirements in the *Prompt Progress Payments* section of the Standard Conditions.

5.6. MATERIAL SAFETY DATA SHEETS (MSDS)

MTS retains the safety data sheets on an electronic database (currently CloudSDS). Upon award, Contractors shall email the MSDS for chemicals that any individuals may be exposed to, attention Ngan Nguyen, MTS Environmental Health and Safety Specialist at Ngan.Nguyen@sdmts.com to upload into the database. The Contractor shall notify the MTS Environmental Health and Safety Specialist if there are changes or updates to the MSDS during the term of the contract to ensure the MTS database is kept updated throughout the contract.

5.7. [NOT APPLICABLE] NO RIGHT TO POST SIGNS

5.8 SCHEDULE FOR COMPLETION OF WORK

Proposer will propose a schedule as part of its Proposal. All installation work can only occur between 8:00am until 5:00pm, unless otherwise directed by MTS.

5.9. PAYMENT SCHEDULE

Proposer will propose a Payment Schedule based on completion of milestones as part of its Proposal. The successful Artist shall be paid in accordance with the agreed upon Payment Schedule. Each Milestone Payment shall be due and payable only to the extent it is supported by the completion of the corresponding individual milestones. The proposed Payment Schedule shall not include: MTS making advance payments; or MTS paying separately for mobilization prior to installation of Artwork has begun.

For Items 1-4 in ATT 1 – Cost Pricing Form, milestone payments shall be inclusive of all costs, such as mobilization, materials, insurance, transportation, permit fees, etc.

For Items 5-9 in ATT 1 – Cost Pricing Form, Hourly Rates shall be inclusive of all costs, such as mobilization, materials, transportation, permit fees, etc.

For Items 10-14 in ATT 1 – Cost Pricing Form, proposer shall provide the estimated annual cost to provide full insurance coverage based on the contract requirements. MTS will only reimburse the actual cost of the insurance coverage. There shall be no mark-up allowed to the insurance premium. Should the actual cost of the full insurance coverage exceed the estimated cost in ATT 1, MTS agrees to pay the full coverage, if it

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determines the cost to be fair and reasonable. In the event, that MTS determines the actual cost of the full insurance coverage to be 10% or more above the market average for the same or similar coverages, MTS, at its sole discretion, may decline to pay the full cost of the coverage, and only reimburse a partial amount of the cost.

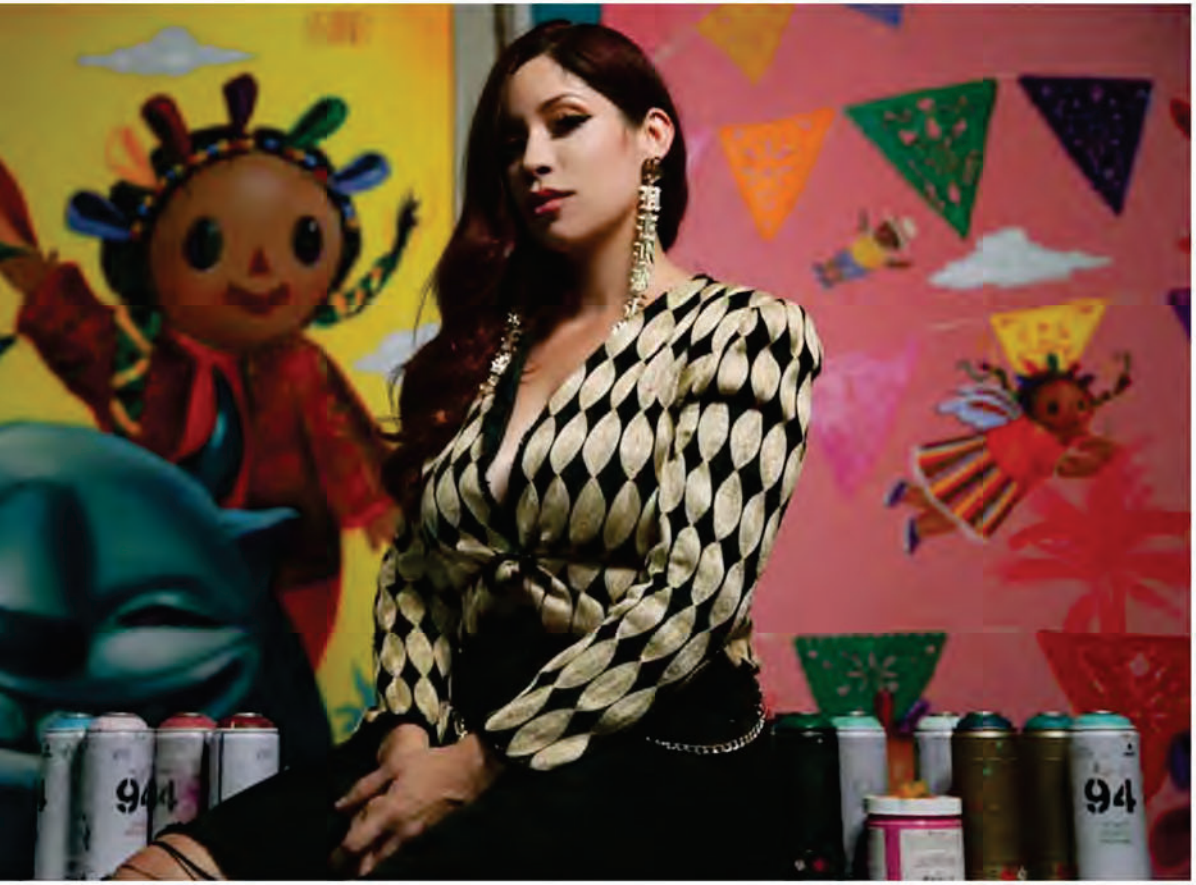
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ARTIST PROPROSAL

DRAFT


MRBBABY
HECHO CON AMOR

MRBBABY



Michelle Guerrero
aka Mr B Baby's work is a fusion of
Mexican folk art and children's books.

Her artwork is a whimsical twist on universal themes,
giving them a playful, colorful touch.
She was raised in a predominantly Spanish-speaking
home in Chula Vista with a single mother
and her older sister. Her hardworking Puerto Rican
mother taught her that the sky was the limit,
and she hopes to portray the same
message through her art.

Mr B Baby's art is heavily influenced by her culture
and her experiences in life. As someone who battled
with depression and anxiety starting from a young age,
she advocates for positive mental health and hopes
to inspire other people to believe they can overcome
adversities and pursue art. Her artwork has
an alchemy, transforming emotions like sadness
or anxiety into scenes of empowerment.
Mr B Baby's goal is to create art for everyone and in the
process connect with people and spread happiness
through her creations. She creates a wide range of
characters who all tell their own unique story.

MR.BBABY ART
10-28-2024

Steve Augusty
Senior Procurement Specialist
San Diego Metropolitan Transit System (MTS)
1255 Imperial Avenue, Suite 1000
San Diego, CA 92101
Tel: 619.557.4576
Fax: 619.744.5988
Subject: Transmittal of Proposal for East Beyer Bridge Mural

Dear Mr. Augusty,

I'm thrilled to present our proposal for the East Beyer Bridge mural project. Enclosed, you'll discover a comprehensive overview detailing our vision, scope of work, and terms of engagement.

Furthermore, we affirm that our proposal shall remain valid for a period of not less than one hundred and twenty (120) days from the date of submission. This commitment underscores our confidence in our proposed plan.

We're passionate about enhancing the community through art. We're excited about the opportunity to work together on this project, believing that our collaborative efforts will not only meet but exceed your expectations. Thank you for considering our proposal. We look forward to the possibility of bringing San Ysidro’s vibrant spirit to life through art.

Warm regards,

Michelle Guerrero
Owner
MR.BBABY ART
1882 Port Albans
Chula Vista,CA,91913
Mrbbabyart@gmail.com
619-993-1998

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Technical Proposal for East Beyer Street Mural Project

Qualifications, Experience, and References

A. Mr B Baby is a professional muralist service established in 2017.
Now operating as an S corporation specializing in creating large-scale public murals that reflect and celebrate community identities
We do our work out in the field so we do not have a permanent location or office. The company has one fulltime employee, Michelle Guerrero, or Mr B Baby the muralist. However, we have collaborated and have experience working with highly skilled contractors for a wide range of top clients listed below.

Experience in Mural Work:
With over 7 years of experience in mural creation, Mr B Baby has successfully completed numerous projects of similar scope and complexity. Our portfolio includes vibrant public art pieces that emphasize cultural heritage, community involvement, and aesthetic appeal for private clients, cities, as well as current contract involving the Los Angeles Metro.

Mr B Baby is well-equipped and experienced to undertake the East Beyer mural project. Our proven track record, commitment to community engagement, and use of skilled subcontractors ensure that the mural will be a source of pride and inspiration for San Ysidro. We look forward to the opportunity to collaborate with you and create a vibrant, meaningful addition to the community. Thank you for considering our proposal.

Sincerely, Michelle Guerrero|Mr B Baby | 619 993 1998 mrbbabyart@gmail.com


El Pollo Loco
OPEN
NOW HIRING
STE
VE


MRBBABY
FIRE ALARM
911
FIRE
DEPT CONN




MRBBABY
260 ½
256 ½


MRBBABY


MRBBABY
CONVERSE
LA


OUR
BOYLE HEIGHTS
Brooklyn Av
3200
UNIDOS!


VAMOS
RAMS
RAMS
MRBBABY
53
79
9
10
18
89


MRBBABY
¡SIMPER!


MRBBABY


THE BUTCHER BLOCK MEATS
MRBBABY


MR3BABY


MRBBABY


MRBBABY

BRAND COLLABORATIONS AND CLIENTS FROM ALL INDUSTRIES



Image list
Following works are completed solely by lead Artist Michelle Guerrero

01
" Si se Puede"
Benjamin Moore, and 94 Montana paint
Approx 15ft X40 ft
September 2022 – 6 days
$20,000 for El Pollo Loco

2
" Otomi"
Benjamin Moore, and 94 Montana paint
Approx 40 ft X 15 ft
Dec 2022- 2 weeks
$30,000 for Public Storage

3
"Las culturas"
Benjamin Moore, and 94 Montana paint
Approx 20X50 ft
Nov 2019- 6 days
$15,000 for the City of Chula Vista

4
"Las Danzas"
Benjamin Moore, and 94 Montana paint
Approx 13ft X25ft
July 2022- 3 days
$10,000 for the City of Chula Vista

DRAFT

5
"Water yourself"
Benjamin Moore, and 94 Montana paint
Approx 50 ft X45ft
August 2022- 1 week completion
$45,000 for Public Storage

6
"Maria y Mario"
Benjamin Moore, and 94 Montana paint
Approx 40ft X40ft
September 2022- 4 day completion
$20,000 for Converse Shoes at Plaza de La Raza

7
"SOMOS BOYLE HEIGHTS"
Benjamin Moore, and 94 Montana paint
Approx 20X46ft
April 2024- 5 day completion
$30,000 for the City of Boyle Heights

8
"Vamos Rams"
Benjamin Moore, and 94 Montana paint
Approx 25X45 ft
Septmeber 2023- 4 day completion
$25,000 for the Rams

9
"A Perfect day"
Benjamin Moore, and 94 Montana paint

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Approx 25X70 ft
March 2024- 6 day completion
$55,000 for Kemper Insurance

10
“ Amor Moderno”
Benjamin Moore, and 94 Montana paint
Approx 20X15 ft
2021- 2 day completion
$7,000 for Salud

11
“The Butcher Block”
Benjamin Moore, and 94 Montana paint
Approx 25X67 ft
August 2023- 6 day completion
$30,000 for the Butcher Block

12
“Self”
Benjamin Moore, and 94 Montana paint
Approx 11X16 ft
2021- 2 day completion
Flint Michigan festival
$5,000

13
“Balanced dance”
Benjamin Moore, and 94 Montana paint
Approx 15X45ft
2024
3 day completion
Thinkspace Gallery
$10,000

DRAFT

14
"The Escape"
Benjamin Moore, and 94 Montana paint
Approx 17X16 ft
2023
3 day completion
Commissioned by the City of Chula Vista
$10,000

DRAFT

Artist Proposal for East Beyer Bridge

Mr B Baby
Location: East Beyer Bridge- San Ysidro, CA
Title of Mural: “Our culture has no bounds.”

Concept: This mural is a tribute to the vibrant, intertwined cultures of San Ysidro and Tijuana, two cities connected by geography yet bound by something much greater—our shared cultural roots. Growing up in Chula Vista, just north of San Ysidro, I’ve had the privilege of experiencing this unique border region firsthand. Like San Ysidro, Chula Vista is a place where Mexican and American cultures blend seamlessly, where the border serves not as a division, but as a bridge between two worlds. The mural I’ve created under this bridge tells a love story that reflects this unity. It features two folklorico dancers, each rooted in their respective cities—one on the Tijuana side, the other in San Ysidro. At the top of the bridge, an opening between two cliffs symbolizes the gap created by the border, yet the dancers, standing proudly on opposite sides, show that culture and love transcend any physical boundaries.

Symbolism and Imagery:

Folklorico Dancers: These dancers represent the heart and soul of Mexican culture, each standing tall in their traditional attire. Their poses express both pride in their heritage and a deep connection to the land on which they stand. The male dancer represents Tijuana, known for its colorful vibrancy, while the female dancer symbolizes San Ysidro, a town that proudly carries the essence of both American and Mexican cultures.

The Border as a Bridge: Rather than treating the border as a wall, I have used the opening at the top of the mural to depict it as a window—a space that allows for cultural exchange, not separation. The cliffs on either side are both different and connected, with the dancers standing as symbols of unity.

Roots and Boundlessness: The mural is ultimately about pride in our roots and the idea that culture has no bounds. No matter where you are located—on one side of the border or the other—our shared traditions, love, and heritage continue to flourish. The dancers, while apart, are bound by the same rhythm, symbolizing that culture and love know no borders.

Purpose: This mural is for the community of San Ysidro. It is a reminder that the border, though physically present, cannot divide the cultural and emotional ties that bind us. It is a statement of resilience, love, and unity. Living in Chula Vista, I have always felt deeply connected to the

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people of San Ysidro and Tijuana. This mural reflects my personal experiences, growing up in a border town where cultural pride runs deep, and where the border is not a barrier but a symbol of our shared stories.

Community Impact: By painting this mural under a bridge, a space that physically connects two parts of a city, I hope to create a visual reminder of how San Ysidro's culture is equally connected to the magical city of Tijuana. This project is meant to be a celebration of the people, the heritage, and the beauty of the border region. It offers a moment of reflection and pride for all who live here, affirming that our roots and our culture transcend any physical boundary.

Quetzalcoatl: Woven between the two sides of the mural, Quetzalcoatl, the feathered serpent from Mesoamerican mythology, serves as a bridge between worlds. This ancient deity represents wisdom, culture, and creation, making him a fitting symbol for the connection between San Ysidro and Tijuana. His serpentine body moves fluidly between both sides, suggesting that culture, much like Quetzalcoatl, is not confined by borders. In San Ysidro, a place where identities are layered and intertwined, Quetzalcoatl represents the ongoing exchange of traditions, stories, and people between Mexico and the U.S. His presence highlights the importance of honoring our roots while embracing the movement and transformation that comes with living in a border town. Quetzalcoatl reinforcing the idea that we are linked through time, space, and culture.

Thank you for considering my proposal. This mural will serve as a lasting tribute to the shared cultural heritage of San Ysidro and Tijuana, and I am honored to contribute to a space that so beautifully represents both communities.

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East Beyer Project Schedule

Week 1: Wall Preparation and Priming

Work Days 9am- 5pm

Day 1-2:
Assistants: Clean and prepare the wall surface.
Lead Artist: Oversee the process and make any necessary adjustments.

Day 3-5 :
Assistants: Apply the first coat of primer.

Day 6-7 :
Days off

Day 8-9
Assistants: Apply the second coat of primer.
Lead Artist: Oversee the process and make any necessary adjustments.

Base Color and Sketching

Day 9-10 :
Assistants: Apply the first coat of the solid base color.

Day 11-12:
Assistants: Apply the second coat of the solid base color.

Day 12: Projector Work (1:30 am - 4:30 am):
Lead artist sketch and transfer the concept onto the wall using a projector with one assistant.

Day 13
Create grid for remaining sketch. Begin filling in solid colors based on the sketch.

Day 14-15- Day off

Blending and Rendering

Day 15- 20: Lead Artist: Begin to render and detail work.

Day 21-22 Day off

Day 23- 28 Resume with rendering

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Day off 29-30

Day 31- 4- Resume rendering

Day off 5-6

Day 7-11 Finalize rendering

12- 13 Day off

Final Touches and Clear Coating
Day 14-18
Lead Artist and Painters: Finalize details and ensure all areas are completed.

Day off 19- 20

Day 21-25
Assistants: Apply the first coat of clear sealant and anti graffiti

Summary - Week 1: Wall preparation and priming.
Week 2: Applying base color and sketching.
Week 3 & 4 & 5 Filling in solid colors. Blending and rendering.
Week 6 & 7: Final touches and clear coating. Ensure to have all materials ready before the project starts and conduct regular check-ins to maintain progress according to the schedule.

Schedule follows protocols- including lunch breaks as necessary and may require some overtime in week 3 & 4 from lead artist.

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Materials List

Benjamin Moore Base coat
Primer
Base coat
Vandl System anti graffiti coating
Modern Masters clear coat
Ladder
Boom lift
Graco Paint sprayer
Wagner paint sprayer cordless
Buckets
Tarps
94 Montana
Spray caps
Water
Nova color
Generator
Gas
Rollers
Paint Brushes
Roller Frames
Tape
Plastic
Materials for workshop

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MR B BABY ART
05-28-2024

Steve Augusty
Senior Procurement Specialist
San Diego Metropolitan Transit System (MTS)
1255 Imperial Avenue, Suite 1000
San Diego, CA 92101
Tel: 619.557.4576
Fax: 619.744.5988
Subject: Confirmation of Required Insurance Coverage

Dear Mr. Augusty,

We are writing to confirm that MR B BABY is fully capable of obtaining all necessary insurance coverage required for the East Beyer Bridge mural project. This includes, but is not limited to, general liability insurance, workers' compensation insurance, and any other specific insurance types outlined in the project documentation. Our commitment to fulfilling these insurance requirements ensures that both parties are adequately protected throughout the duration of the project. We understand the importance of this coverage in mitigating risks and facilitating a smooth project execution. Please let us know if you require any additional documentation or specific details regarding our insurance policies. Thank you for your attention to this matter. We look forward to the opportunity to work with the San Diego Metropolitan Transit System (MTS) on this project.

Warm Regards,

Michelle Guerrero
Owner
MR B BABY ART
1882 Port Albans
Chula Vista,CA,91913
Mrbbabyart@gmail.com
619-993-1998

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MTS E Street 5-Year Mural Maintenance Plan

Year 1:

Initial Inspection and Maintenance:

Conduct an initial inspection of the walls to identify any imperfections to thoroughly prepare surface for painting.

Apply anti-graffiti coating to the mural surface to facilitate easy cleaning by power washing.

Use Modern Masters paint with UV blockers and absorbers to extend the lifespan of the mural and protect against fading from sun exposure. Modern Masters can add an additional 8-10 year life span.

Graffiti Prevention Measures:

Implement proactive graffiti prevention strategies, such as community engagement and hiring a local artist to deter vandalism.

Painting mural with Benjamin Moore and Nova Color highest grade paint to ensure highest quality with minimal touch ups.

Year 2-5:

Regular Inspections- As a local artist we can conduct quarterly inspections of the mural to assess its condition and identify any signs of wear, fading, or vandalism.

Maintenance and Touch-Up- Perform maintenance and touch-up painting as needed to address any areas of damage or deterioration.

Graffiti Management- Stay vigilant against graffiti vandalism and promptly address any tagging or defacement. Offer on-call touch-up services within 1-4 weeks of any tagging incidents to ensure the mural remains clean and intact.

Community Engagement- Engage with the local community to promote pride and ownership of the mural, fostering a sense of responsibility for its upkeep and preservation.

Documentation- Maintain detailed records of maintenance activities, including dates of inspections, repairs, and touch-ups, to track the mural's condition over time. By following this maintenance plan, we aim to preserve the integrity and vibrancy of the mural for years to come, ensuring it remains a cherished cultural asset within the community.

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EXHIBIT B
CONTRACTOR'S COST/PRICING FORM

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PWL421.0-25

East Beyer Bridge Mural

ATT 1 - Cost Pricing Form

**** Fill in the Green Cells ****

#	Description	# of Hours	Hourly Rate	Extended Total
1	Design and Concept Development	40.00	$100.00	$ 4,000.00
2	Preparation of Worksite	40.00	$100.00	$ 4,000.00
3	Mural Artist Painting	350.00	$100.00	$ 35,000.00
4	Materials			$ 57,000.00
			Overall Total:	**$ 100,000.00**

5 Year Maintenance Plan
(All Labor and Materials shall be included and all-inclusive in the Hourly Rate)

#	Year	Estimated # of Hours Per Year	Hourly Rate	Extended Total
5	Year 1 Maintenance and As-Needed Repairs	20.00	$100.00	$ 2,000.00
6	Year 2 Maintenance and As-Needed Repairs	20.00	$110.00	$ 2,200.00
7	Year 3 Maintenance and As-Needed Repairs	20.00	$120.00	$ 2,400.00
8	Year 4 Maintenance and As-Needed Repairs	20.00	$130.00	$ 2,600.00
9	Year 5 Maintenance and As-Needed Repairs	20.00	$140.00	$ 2,800.00
10	Year 1 Estimated Annual Insurance Coverage			$ 9,490.37
11	Year 2 Estimated Annual Insurance Coverage			$ 10,439.41
12	Year 3 Estimated Annual Insurance Coverage			$ 11,482.90
13	Year 4 Estimated Annual Insurance Coverage			$ 12,631.19
14	Year 5 Estimated Annual Insurance Coverage			$ 13,894.30
			Overall Total:	**$ 69,938.17**

****Total Cost for Base and Clean-Up and Maintenance**	**$ 169,938.17**

****For all items, costs shall be total all-inclusive, including, but not limited to, transportation, materials, travel, insurance, permit fees, etc. No additional costs are allowed.**

****Price may change based on city of San Diego DSD Development service department)**
MTS agrees to reiumburse the full cost of the permit

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EXHIBIT C
IN ACCORDANCE WITH THE STANDARD AGREEMENT, INCLUDING STANDARD CONDITIONS

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CONTRACT TO FABRICATE AND INSTALL ARTWORK

THIS CONTRACT is made and entered into on _____, 2024, by and between **SAN DIEGO METROPOLITAN TRANSIT SYSTEM**, a public agency, ("MTS") and _____ ("ARTIST").

RECITALS

WHEREAS, MTS intends to procure artwork as part of the East Beyer Bridge Mural (the "Project"); and

WHEREAS, ARTIST has prepared and submitted an Artwork Conceptual Design Proposal that has been accepted by MTS; and

WHEREAS, MTS and ARTIST desire to enter into a contract for ARTIST to construct artwork for the Project in accordance with ARTIST's Artwork Conceptual Design Proposal as defined below.

WITNESS

MTS AND ARTIST MUTUALLY AGREE AS FOLLOWS:

7.1. ARTWORK DEFINED

The work of art (the "Artwork") to be supplied under this Contract must be the same as that Artwork described in ARTIST's Artwork Conceptual Design Proposal (hereinafter "Proposal"). A true and correct copy of the Proposal is attached hereto as Exhibit A and incorporated herein by this reference

7.2. EFFECTIVE DATE

This Contract commences on the date first hereinabove appearing and expires upon completion of the Maintenance Plan, unless sooner terminated or cancelled in the manner provided under Articles 17, 29 and 30 below.

7.3. TOTAL CONSIDERATION

The total consideration paid to ARTIST may not exceed, in the aggregate, the sum of $169,938.17, which will be paid in accordance with the Payment Schedule attached as Exhibit A to this Agreement.

ARTIST is responsible for payment of any state or local sales taxes. ARTIST represents and warrants that MTS will have no obligations regarding payment of any commissions or any other obligation pursuant to ARTIST's agreements with galleries or agents and ARTIST is solely responsible for such obligations. ARTIST agrees that the total consideration includes any amounts ARTIST is obligated to pay to galleries or agents, if any.

7.4. METHOD OF PAYMENT

Upon completion of each phase of fabrication and installation as set out in the Artwork Budget included as part of the Proposal (Exhibit A), ARTIST must remit an invoice for review and approval by MTS to ap@sdmts.com. Payment of each approved invoice will be made by MTS within 30 days after receipt. MTS reserves the right to withhold payments if MTS's site visits indicate that

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the progress of the Artwork is not in accordance with the Proposal or Contract requirements. MTS will provide notice to ARTIST of the reasons for withholding payment within 7 days after receipt of the invoice.

7.5. SCOPE OF SERVICES

See Exhibit A.

7.6. AUTHORIZED REPRESENTATIVES

The person designated in Article 31 to provide formal notices to ARTIST may designate, in writing, one or more Authorized Representatives to interact with the ARTIST regarding the production and installation of the Artwork. ARTIST must communicate with and take direction from Authorized Representatives acting within the scope of the written designation. This may include construction management personnel acting as consultants for MTS.

7.7. WORK SCHEDULE

ARTIST may not commence performance of any of the services identified in Section 5 above, until ARTIST receives a Notice to Proceed (NTP) from MTS. ARTIST must dedicate such time and effort as is necessary to fulfill ARTIST's obligations to completely finish and install the Artwork pursuant to this Contract in accordance with the Artwork Fabrication and Installation Schedule contained in the Proposal (Exhibit A). Time and strict punctual performance are of the essence to this Contract. MTS and ARTIST may agree to modify schedule. The revised schedule will be signed and dated by both parties, and will be attached and labeled as the Revised Schedule. ARTIST must respond within 7 days to any inquiry from MTS regarding the progress of the design for the Artwork.

7.8. MTS PRIOR APPROVAL OF ARTWORK

ARTIST must submit the following to MTS for technical approval: specifications that reflect compliance with MTS technical requirements and a digital image of the Artwork, as described in the Proposal (Exhibit A). MTS provided the relevant technical requirements during the development of the Artwork Conceptual Design Proposal, and the price proposed includes compliance with those requirements. The relevant technical requirements are attached as Section 5 and incorporated into this Contract. ARTIST may not begin to fabricate the Artwork until MTS has approved the specifications and digital image. MTS reserves the right to require ARTIST to modify the proposed Artwork to meet safety, aesthetic and/or technical requirements. MTS will specify any required material changes and document safety and/or technical requirements that justify such material changes within 30 days after delivery by ARTIST of the digital image. If MTS imposes additional technical requirements after Contract execution, that were not included in the technical requirements identified in Section 5, and such technical requirements cause an increase in cost for ARTIST to complete and install the Artwork, ARTIST may submit a written request for an equitable adjustment in the Total Consideration; any such equitable adjustment will be reflected in an amendment to this Contract. ARTIST must receive written approval by MTS of the Artwork digital image before ARTIST commences fabrication of the Artwork.

7.9. INSTALLATION OF ARTWORK

A. At least 25 days prior to ARTIST’s planned arrival at the Project site to begin installation, ARTIST must provide MTS with a Work Plan submittal detailing how ARTIST intends to

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accomplish the installation, including planned labor, equipment, materials, schedule and duration of work, installation methodology, access route (which must comply with MTS's Stormwater Pollution Prevention Plan (SWPPP)), and clean-up.

B. At least 14 days in advance of the ARTIST's planned arrival at the Project site to begin installation, ARTIST must attend a kick-off meeting with MTS to discuss the planned installation.

C. The installation of the Artwork must meet or exceed the quality of the Project location's construction in all respects.

D. While working at the Project site, ARTIST must work in such a way as not to delay MTS's operations or disrupt MTS or MTS's Contractor work. ARTIST must respond to reasonable requests by MTS to modify its installation activities to avoid unreasonably delaying or obstructing MTS's services and operations. Likewise, MTS will timely respond to ARTIST's reports, if any, that MTS or MTS's Contractors are unreasonably delaying or disrupting ARTIST's installation efforts.

E. In accessing the Project site and performing the installation, ARTIST must comply with the terms of MTS's SWPPP, any applicable permits, and other general project requirements.

F. The Artist will coordinate closely with MTS to ascertain that the Project Site is prepared to receive the Artwork. Artist must notify Agency of any adverse conditions at the Site that would effect or impede the installation of the Artwork. The Artist is responsible for timely installation of the Artwork.

G. ARTIST is responsible for cleaning and protection of the Artwork until it is accepted by MTS. Once MTS is notified by ARTIST that the Artwork installation is complete, MTS will determine within 30 days whether it will accept the Artwork as installed.

H. Within 30 days after completion of the Artwork, ARTIST must remove all excess materials and rubbish related to the Artwork installation from the Artwork site. ARTIST is prohibited from using MTS's trash receptables during installation and cleanup. ARTIST must restore the Artwork site (including the entire area affected by the fabrication and installation of the Artwork) to its prior condition if directed by MTS.

7.10. SAFETY

ARTIST must take all necessary precautions for the safety of employees on the work and the safety of other persons authorized to be present on the Artwork site. ARTIST must comply with all applicable provisions of federal, state, and local safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the Artwork site. ARTIST must erect and properly maintain, at all times as required by the conditions and progress of the work, all necessary safeguards for the protection of workers and the public and must post danger signs warning against the hazards created by such features of construction. If and when requested by MTS, ARTIST must deliver to MTS a copy of ARTIST's safety plan for conducting the work (the "Safety Plan"). MTS will have the right, but not the obligation, to require ARTIST to correct any deficiencies in the Safety Plan. If there are any inconsistencies between this Contract and the Safety Plan, then the Contract takes precedence.

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ARTIST must comply with the applicable provisions of the California Occupational Safety and Health Act of 1973 and the Labor Code. In addition to ARTIST's own safety procedures and any safety procedures required under Federal, state, or local laws or regulations, including compliance with the provisions of the California Occupational Safety and Health Act of 1973, ARTIST must implement and enforce all safety requirements determined by MTS to be applicable to the performance of any work under this Contract.

7.11. QUALITY CONTROL

ARTIST must provide Quality Control (QC) for all items of work performed under this Contract, including the work of all subcontractors and suppliers both on-site and off-site. All costs for QC are deemed to be included in the total consideration.

For purposes of this Contract, QC is to be performed by ARTIST and is understood as the techniques, activities and inspections that sustain process and product control and measure the performance characteristics of a material, component, fabrication, installation, or system against specific contract acceptance criteria during work in-progress. QC refers to the act of taking measurements, testing, and inspecting a process or product to ensure that it meets Contract requirements. QC also includes the process of documenting all of these actions.

For purposes of this Contract, Quality Assurance (QA) is performed by MTS or its representative and is understood as the review, monitoring, observation, audit, and inspection or testing of work for assurance or verification purposes.

ARTIST must ensure that all Work is performed in accordance with applicable codes, standards, specifications and other special contractual requirements using qualified personnel and/or equipment.

7.12. PROPERTY DAMAGE

ARTIST must repair or replace any property damage (real or personal) caused by the acts or omissions of ARTIST or ARTIST's subcontractors and/or employees. ARTIST is solely responsible for all expenses and costs that may be necessary to comply with the requirements of this Article, and MTS has no responsibility or liability therefor. MTS may withhold payment if ARTIST has not completed any repair, replacement and/or restoration required under this Article. If ARTIST fails to repair or replace any damaged property as required by this Article within 30 calendar days after receipt of the written notice of such damage, MTS may undertake the required repairs, replacement and/or restoration at ARTIST's expense. MTS reserves the right to offset its costs of repairs, replacement and/or restoration against any payments owed to ARTIST.

7.13. STOP WORK ORDER

In addition to MTS's right to suspend work under any other provision of this Contract, MTS may require ARTIST to suspend all or part of the work called for by this Contract at any time for up to **90 days** after a written Stop Work Order is delivered to ARTIST, and for any further period as directed by MTS. The Stop Work Order will include a clear description of the work to be suspended and may also include guidance as to the action to be taken on subcontracts; and other requests for minimizing costs.

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Upon receipt of a Stop Work Order, ARTIST must comply with its terms immediately and take all reasonable steps to minimize the cost associated with the work covered by the Stop Work Order during the period of work stoppage. Within the period specified by the Stop Work Order, or within any extension of that period to which the parties may agree, MTS may:

- Terminate the Work covered by the Stop Work Order, as permitted in Articles 29 and 30.
- Cancel the Stop Work Order; or
- Allow the period of the Stop Work Order to expire.

ARTIST must resume work upon the cancellation or expiration of a Stop Work Order. An equitable adjustment will be made in the Work scope, Contract Price, or Contract time, as appropriate if:

- The Stop Work Order results in an increase in the time required for, or in ARTIST's cost properly allocable to, the performance of any part of this Contract;
- ARTIST asserts a claim for an adjustment within 30 days after the end of the period of work stoppage; however, if MTS decides the facts justify such action, MTS may receive and act upon any such claim asserted at any time prior to final payment under this Contract; and
- The Stop Work Order was not caused by ARTIST's default or other act or omission within the control or responsibility of ARTIST.

Any cost due to a Stop Work Order issued because of Contract noncompliance will be borne by ARTIST.

In preparation for and during suspensions of work, ARTIST must take every reasonable precaution to prevent damage to or deterioration of the work. ARTIST must repair or replace, at no cost to MTS, work that is damaged or deteriorated during a work suspension due to ARTIST's failure to comply with this duty. If MTS determines that ARTIST is not taking reasonable precautions and ARTIST fails to take the corrective action within 5 days after written notice from MTS, MTS may cause such action to be taken and recover the reasonable cost thereof from ARTIST.

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7.14. TITLE TO ARTWORK/RISK OF LOSS

Notwithstanding any payment MTS may make to ARTIST prior to the completion of the Artwork, title to the Artwork will remain with the ARTIST until MTS accepts the Artwork as complete. At the time MTS accepts the Artwork, title to the Artwork will transfer to MTS. ARTIST will bear all risk of loss of the Artwork until title has been transferred to MTS, unless the Artwork is damaged or destroyed due to the gross negligence or intentional act of MTS, its agents, employees or contractors.

7.15. WARRANTIES

A. ARTIST warrants that the Artwork is original, the product of ARTIST's own creative efforts as sole author of the Artwork, and that the Artwork does not infringe upon the rights of any person, business or corporation. ARTIST also warrants that unless otherwise stipulated in writing, the Artwork is an edition of one (1), and that ARTIST may not sell, license, perform or reproduce a substantially identical copy of the Artwork without the prior written consent of MTS.

B. ARTIST will warrant and maintain the Artwork free from all faults or defects in material and workmanship for a period of one year after MTS's acceptance of the Artwork. This subsection of this Article does not extend to damage to the Artwork caused by the exposure to the elements, physical damage inflicted by MTS patrons or members of the public, or any other damage unrelated to the material used in the Artwork or ARTIST's workmanship.

7.16. PROFESSIONAL STANDARDS

ARTIST warrants and guarantees that the Artwork provided hereunder will be designed, fabricated and installed in a professional manner. All services must be performed in the manner and in accordance with the professional standards observed by a competent practitioner of the profession in which ARTIST is engaged.

ARTIST represents and warrants to MTS that ARTIST possesses all required licenses, insurance, and other entitlements of whatever nature to legally pursue ARTIST's occupation and such licenses, insurance and other entitlements must be in full force and effect during the term of this Contract.

7.17. ACCEPTANCE OF ARTWORK

A. MTS agrees to accept the completed Artwork, unless:

1. The Artwork was not fabricated or installed substantially in accordance with the Proposal (Exhibit A), MTS-approved specifications, or a reasonable standard of technical quality for similar artwork. If MTS refuses to accept the Artwork for this reason, ARTIST may appeal the refusal to the MTS CEO. The determination of the MTS CEO is final and binding.
2. The Artwork, or any portion thereof, as completed by the ARTIST, does not conform to a reasonable standard of professional artistic quality. If MTS refuses to accept the Artwork for this reason and the ARTIST disputes MTS's refusal, the parties agree that the matter will be submitted to the arbitration in accordance with the rules of the Arts Arbitration and Mediation Services of California Lawyers for the Arts, or such other arbitration or mediation service to which both parties mutually agree. The scope of the arbitration is limited to a determination of whether the Artwork conforms to a reasonable standard of professional artistic or technical quality. The determination of the arbitrator will be final and binding upon MTS and ARTIST and neither has any further recourse or cause of action.

B. MTS will have the right to inspect the Artwork during fabrication prior to completion or installation of the Artwork. MTS may request corrections and modifications necessary for the Artwork to conform to ARTIST's Proposal and the other requirements of this Contract. Prior to the date specified for completion of the Artwork, ARTIST must make all such corrections and modifications to which MTS and ARTIST mutually agree.

C. If MTS refuses to accept the Artwork according to the provisions of this Article, it must notify ARTIST in writing specifying the reasons for such refusal within 30 calendar days after ARTIST's tender of the Artwork to MTS for acceptance. No prior payment to ARTIST will be deemed to waive MTS's right to refuse to accept the Artwork under this Article.

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D. If MTS refuses to accept the Artwork according to the provisions of this Article, MTS has the right, subject to ARTIST's right to dispute MTS's refusal, either:

1. To have ARTIST correct deficiencies in the Artwork, specified in the notice to ARTIST required under subsection B of this Article, at ARTIST's sole cost and within a reasonable time, and then accept the Artwork if the deficiencies are remedied to MTS's satisfaction; or

2. To cancel this Contract for breach as set forth in Article 30, below, except that ARTIST has the right to cure said breach to MTS's satisfaction within 30 calendar days after receipt of MTS's notice of cancellation or to dispute MTS's determination as set out in paragraph A.

3. Remedies identified in subsections D1 and D2 above are cumulative and in addition to any other remedy available to MTS. Enforcement of one such remedy is not exclusive nor deemed an election of such remedy to the exclusion of any other or further remedy.

4. Payments to the ARTIST are not deemed as a waiver of MTS's right to refuse or accept the Artwork.

7.18. ABANDONMENT

If it becomes impossible for ARTIST to timely complete the Artwork because of illness, death, or injury (for example), or if ARTIST abandons the Artwork by failing to work on the Artwork during a continuous 30-day period, unless MTS, its agents, employees or contractors are the cause of ARTIST's inability to work on the Artwork during such period or MTS has issued a Stop Work Order, MTS may take such action as may be appropriate including, without limitation, cancelling this Contract for breach as set forth in Article 30.

7.19. ASSIGNMENT AND SUBCONTRACTING

A. ARTIST's obligations imposed by this Contract are not assignable or transferable without first obtaining the written consent of MTS, which consent may be withheld in MTS's sole discretion.

B. If ARTIST subcontracts any portion of the work, any subcontractors must be properly licensed pursuant to the contractor's state license law (Business and Professions Code sections 7000 et seq.). Before performing any work, each subcontractor must provide MTS and ARTIST evidence that the subcontractor has Workers' Compensation insurance coverage if this insurance is required by state law.

7.20. COPYRIGHT

ARTIST expressly reserves every right available to them under U.S. and international copyright laws to control the making and disseminating of copies or reproduction of the Artwork, except as those rights are limited by this Contract. Contractor under this Agreement as shall be considered necessary by MTS may be retained until disposition has been made of any claim for damages.

1. ARTIST agrees to give a credit substantially in the following form: "Original owned by San Diego Metropolitan Transit System" in any public display or distribution of reproductions of the Artwork.

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2. ARTIST hereby authorizes MTS and its successors and assigns to make photographs, drawings and other two-dimensional reproductions of the Artwork without compensation or prior consent of ARTIST if used solely for non-commercial purposes including, but not limited to, advertising, descriptive brochures, promotional materials, schedules, fare passes, and other similar purposes. All reproductions by MTS or its successors and assigns where the Artwork is the exclusive or primary subject will acknowledge the authorship of the ARTIST in substantially the following form: "Copyright ©, ARTIST's name, date" and in such manner and location as prescribed under U.S. copyright laws.
3. The Artwork Conceptual Design Proposal and all accompanying materials, models, drawings, plans, sketches and specifications will become the property of MTS upon submission to MTS. MTS may use, reproduce, make derivations and distribute these documents, etc. in any fashion or manner MTS desires, provided that the use and distribution of these documents complies with the provisions set forth in subsection 2 above.

7.21. ARTISTS' RIGHTS/MTS DUTIES RELATIVE TO ARTWORK

Applicant hereby acknowledges that Applicant is familiar with all rights under the Visual Artists Rights Act of 1990 (17 U.S.C. Sections 106A and 113(d)), the California Art Preservation Act (California Civil Code Sections 987 and 989) (collectively, “Acts”) and any other local, state, foreign or international law (collectively, “Artist Rights Laws”) that protect against the alteration of a work of art and protect the artist’s getting credit for a work or art. The Acts and Moral Rights Laws require that a person who intends to waive these provisions must do so expressly in writing.

The ARTIST, for themselves and their heirs, beneficiaries, devisees and personal representatives, expressly waive any right or benefit that ARTIST has or may have under the Arist Rights Laws, and hereby releases, acquits and discharges MTS from all suits, claims, actions, liability, damages and expenses arising out of the display, use, maintenance, movement, removal or alteration of the Artwork on the Project.

A. MTS may not intentionally destroy, damage, alter, modify, or change the Artwork in any way except after notice as required under applicable law. ARTIST acknowledges that use of the Artwork site by the public and MTS's cleaning and maintenance of the Artwork site may cause wear and tear to the Artwork. Such wear and tear will not be deemed to be an unpermitted alteration of the Artwork. If an alteration should occur, either intentionally or unintentionally, ARTIST may notify MTS in writing denying authorship of the Artwork or requesting that their name not be displayed as provided in Article 22, below.

B. If, after acceptance of the Artwork, repair to the Artwork is required, MTS will send ARTIST a notice giving ARTIST the opportunity to repair the Artwork, so long as within the period of performance of the contract.

    1. If within 30 days after MTS sends notice to the ARTIST at the address set forth in Article 31, ARTIST does not respond to the notice, MTS may contract with someone qualified to repair the Artwork and ARTIST will have no recourse for damages against MTS.

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2. If MTS reasonably determines that damage to the Artwork is irreparable or impractical to repair, MTS may take any action it deems appropriate under the circumstances.
3. ARTIST must notify MTS of a change of their address for the purpose of obtaining notice under this Article. Failure to notify MTS will constitute a waiver of ARTIST's right to be notified by MTS prior to repair of the Artwork.

C. When emergency repairs are necessary to prevent the loss of or further damage to the Artwork, or for public safety, such repairs may be undertaken by MTS without advance notice to ARTIST and such repairs will not be deemed to constitute an artistic alteration. If such repairs are substantial, ARTIST may deny authorship as provided in Article 22, below.

D. After acceptance of the Artwork, MTS will have the right to relocate, store or sell the Artwork or remove it from display in its sole discretion without notice to ARTIST, except for any payment that may be required under Civil Code Section 986.

E. If, after acceptance of the Artwork, MTS reasonably determines that it is necessary to remove the Artwork and such removal is likely to cause damage or destruction to the Artwork, MTS will give ARTIST written notice to remove the Artwork in the manner set forth in Article 31, below.

1. ARTIST must respond in writing within 30 days after MTS sends notice. In its response, ARTIST must inform MTS whether ARTIST intends to exercise or waive their right to remove the Artwork under this Article. If ARTIST does not respond to the notice within 30 days after MTS sends notice to the ARTIST at the address set forth in Article 31, ARTIST will have no recourse for damages against MTS. ARTIST must notify MTS of a change of his or her address for these purposes. Failure to so notify MTS will constitute a waiver of ARTIST's right to be notified by MTS prior to removal of the Artwork.
2. Unless ARTIST has waived their right or has failed to timely respond to MTS's notice, ARTIST will have the right to remove the Artwork at ARTIST's expense within 90 calendar days after MTS provides such notice. In such case, ARTIST must pay MTS the value (if any) of the Artwork after its removal and title to the Artwork will vest in ARTIST upon MTS's receipt of such payment. A dispute regarding the value of the Artwork will be submitted to the Arts Arbitration and Mediation Services of the California Lawyers for the Arts, or such other arbitration or mediation service to which both parties mutually agree.
3. If ARTIST fails to remove the Artwork within the 90-day period or if ARTIST fails to timely respond to the notice, MTS will have the right to remove the Artwork and ARTIST will have no recourse against MTS for any damage to or destruction of the Artwork that may occur during such removal. In such case, MTS will have the right to display, store or dispose of the Artwork in MTS's sole discretion.

F. If MTS cancels this Contract for breach and arranges to have the Artwork completed by another artist, ARTIST will be deemed to have waived his or her rights related to authorship of the Artwork under federal and state laws and under this Contract, except as set forth in Article 22, below. If ARTIST disputes such deemed waiver of his or her rights,

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ARTIST must submit a written objection to MTS within 30 calendar days after the date of MTS's notice of cancellation. In such event, the matter must be submitted to the Arts Arbitration and Mediation Service of the California Lawyers for the Arts, or such other arbitration or mediation service to which both parties mutually agree. If arbitration is held, the determination of ARTIST's rights under this Contract by the arbitrator is final and binding upon MTS and ARTIST and neither will have any further recourse or cause of action.

7.22. AUTHORSHIP OF ARTWORK

Except as provided in this Contract, ARTIST will retain the right to claim authorship of the Artwork. MTS will publicly display ARTIST's name on, at, or near the Artwork, except as provided below:

A. If the Artwork is substantially damaged or artistically altered in a substantial manner, and if ARTIST gives written notice to MTS that ARTIST wishes to deny authorship, then MTS may no longer represent the Artwork to be the work of the ARTIST. If MTS disputes the right of ARTIST to deny authorship, the parties agree that the matter will be submitted to the Arts Arbitration and Mediation Service of the California Lawyers for the Arts, or such other arbitration or mediation service to which both parties mutually agree. The scope of the arbitration will be limited to whether the Artwork is substantially damaged or artistically altered in a substantial manner. The determination of the arbitrator will be final and binding upon MTS and ARTIST and neither will have any further recourse or cause of action.

B. If the Artwork is substantially damaged or artistically altered in a substantial manner after the life of the ARTIST, MTS will consult with the California Arts Council, or their successors, in determining whether to continue representing the ARTIST as author of the Artwork.

C. If MTS arranges to have another artist complete the Artwork as provided under Article 30 below, ARTIST's name must be publicly displayed on, at, or near the Artwork, unless ARTIST gives written notice to MTS not to display ARTIST’s name or ARTIST wishes to deny authorship of the Artwork. If the work to complete the Artwork is substantial, MTS will consult with the California Arts Council, or their successors, regarding the selection of the artist who will complete the Artwork. After such consultation, MTS may select such artist in MTS's sole discretion. The name of the artist who completes the Artwork will be displayed in a manner equal to the display, if any, of ARTIST. The term "equal" means similar, not identical, and does not mandate any preference of position or size of location.

D. If ARTIST effectively denies authorship of the Artwork for the reasons set out above or for any other reason, such action constitutes a waiver of all of ARTIST's rights related to authorship of the Artwork under federal and state law and this Contract.

7.23. INDEPENDENT CONTRACTOR

In providing the above-referenced services, ARTIST acts as an independent contractor and not as an employee of MTS. In accordance with that relationship, ARTIST must assume all responsibility for federal and state income tax withholding, FICA, SDI, and any other deductions from income that ARTIST is required to make as an independent contractor. ARTIST hereby agrees to indemnify and hold MTS, its officers and employees, harmless from any and all claims

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that may be made against MTS based upon any contention by any employee of ARTIST or by any third party, including but not limited to any federal or state agency, that an employer-employee relationship or a substitute therefore exists for any purpose whatsoever by reason of this Contract or by reason of the nature and/or performance of any obligation under this Contract.

7.24. WORKERS' COMPENSATION

Responsibility for payment due by MTS is limited to the compensation set forth in Article 3 above. MTS is not responsible for providing workers' compensation insurance or any other protective insurance coverage or employment benefit payable to employees of ARTIST that is based upon the relationship of employer and employee.

7.25. THIRD PARTY OBLIGATION

ARTIST is solely liable to third parties with whom it enters into contracts to effectuate the purposes of this Contract. ARTIST must pay directly such parties for all amounts due under said arrangement. ARTIST must indemnify and hold MTS harmless from any and all claims and liabilities arising from such Contract. ARTIST must exert its best efforts to prevent any loss to MTS from the failure of proper performance of any third party. MTS's only obligation with respect to such third parties will be limited to reimbursement to ARTIST for those expenses for which MTS is obligated to reimburse by virtue of the terms of this Contract.

If ARTIST hires or contracts with employees or material suppliers, ARTIST must pay such employees and suppliers out of the payments made to ARTIST by MTS for completion of each phase of work. If any underpayment of wages or other amounts due ARTIST's employees and suppliers, MTS may withhold from ARTIST out of any payments due amounts sufficient to pay the claims of such employees and suppliers. In addition, before MTS is obligated to make final payment to ARTIST, MTS may require ARTIST to demonstrate to MTS's satisfaction that all employees and material suppliers have been fully paid.

7.26. INSURANCE REQUIREMENTS

A. Liability

1) Commercial General Liability

At all times during this contract and, with respect to Products and Completed Operations Liability, for twelve (12) months following the acceptance of the work by MTS, Contractor agrees to maintain Commercial General Liability Insurance utilizing Insurance Services Office (ISO) coverage form CG0001, edition date 10/01 or later, or an equivalent form and with insurance companies acceptable to MTS. The coverage shall contain no restricting or exclusionary endorsements with respect to the performing of services described in the scope of work.

All such policies shall name in the endorsement San Diego Metropolitan Transit System (MTS), San Diego Trolley, Inc. (SDTI), San Diego and Arizona Eastern Railway (SD&AE), San Diego and Imperial Valley Railroad (SD&IV), and San Diego Transit Corporation (SDTC), their directors, officers, agents, and employees as additional insureds as their interests may appear. Furthermore, an endorsement will be required demonstrating that the standard railroad exclusionary language has been removed as applicable.

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2) Automobile Liability

At all times during this contract, Contractor agrees to maintain Automobile Liability Insurance for bodily injury and property damage including coverage for all owned, nonowned, and hired vehicles.

3) Workers' Compensation/Employer Liability

At all times during this contract, Contractor agrees to maintain Workers' Compensation and Employers' Liability Insurance in compliance with the applicable statutory requirements. Contractor waives any rights of subrogation against MTS, SDTI, SD&AE, SD&IV, and SDTC, and the policy form must permit and accept such waiver.

7.26.1. ADDITIONAL COVERAGES REQUIRED (AS INDICATED. WHERE THERE IS A CHECKMARK, THE COVERAGE IS REQUIRED)

☒ (1) Primary and Non-Contributory Insurance

Contractor agrees that all general liability coverages required under this insurance section are PRIMARY and that any insurance of MTS, SDTI, SD&AE, SD&IV, and SDTC shall be excess and noncontributory (endorsement required).

☐ (2) Owner-Provided Builder's Risk

MTS will provide Builder's Risk Insurance on a special form basis, excluding the perils of earthquake and flood, at a limit of not less than the full replacement value of the work and covering the work and all materials and equipment to be incorporated therein, including property in transit elsewhere, and insuring the interests of the Contractor, subcontractors, materialmen, and MTS, SDTI, SD&AE, SD&IV, SDTC, MTS's contractor for design, and MTS's contractor for construction management. However, Contractor is responsible for the portion of any loss that is within the deductible amount of this Builder's Risk Insurance, which is currently at $50,000 but is subject to change.

☒ (3) Railroad Protective Liability and CG 24 17 Endorsement for CGL Policy - Required

The CGL policy must contain the following endorsement: Contractual Liability Railroads ISO Form CG 24 17 10 01 (or a substitute form providing equivalent coverage). Furthermore, Contractor shall maintain a Railroad Protective Liability coverage with limits of not less than $2,000,000 each occurrence and $4,000,000 annual aggregate, naming MTS as the named insured on the policy.

☐ (4) Professional Liability

At all times during this contract, and for twelve (12) months following acceptance of work by owner, Contractor agrees to maintain Professional Liability Insurance with respect to services or operations under this Agreement.

☐ (5) Pollution Legal Liability

At all times during this contract, and for twenty-four (24) months following, Contractor agrees to maintain Pollution Legal Liability Insurance with respect to services or operations under this Agreement. The extended discovery period must be no less than twenty-four (24) months.

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☐ (6) Contractor Equipment

At all times during this contract, Contractor agrees to maintain Contractor's Equipment Insurance on a special form basis covering equipment owned, leased, or used by Contractor. Contractor waives any rights of subrogation against MTS, SDTI, SD&AE, SD&IV, and SDTC, and the policy form must permit and accept such waiver. Contractor hereby releases and holds harmless MTS for any loss or damage to its equipment.

☐ (7) Installation Floater

At all times during this contract, Contractor agrees to maintain Installation Floater Insurance on a special form basis covering property owned or provided by Contractor. Contractor waives any rights of subrogation against MTS, SDTI, SD&AE, SD&IV, and SDTC, and the policy form must permit and accept such waiver. Contractor hereby releases and holds harmless these entities for any loss or damage to its property.

☐ (8) Garage Keeper's Legal Liability & Automobile Portion

At all times during this contract, Contractor agrees to maintain Garage Keeper's Legal Liability as well Automobile Portion which covers the risk of loss or damage to MTS vehicles while in the care, custody or control of Contractor. Automobile portion shall cover the Contractor in the event of a vehicle accident while they are driving an MTS vehicle, which results in a third party claim of physical damage or bodily injury.

☐ (9) Crime Fidelity Insurance

At all times during this contract, Contractor agrees to maintain Crime Fidelity Insurance with respect to services or operations under this agreement. The coverage should include the following:

- Employee dishonesty/theft
- Theft, disappearance and destruction on the premises
- Theft, disappearance and destruction while in transit
- Forgery/alteration

☐ (10) Umbrella or Excess Liability (if required to meet liability limits above)

Contractor agrees that any Umbrella or Excess Liability Policy utilized to provide the required limits of liability shall contain coverage at least as broad as that provided by the General Liability Policy, and be written for a term concurrent with the General Liability Policy.

☐ (11) Property Insurance

Contractor is responsible to insure physical damage coverage at replacement cost value on the rolling stock (i.e., revenue and non-revenue vehicles) it operates. [Note: MTS insures the buildings in which the fixed route contract operates.]

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☐ (12) Cyber and Privacy Liability, including Technology Errors and Omissions

Coverage shall be sufficiently broad to respond to the duties and obligations as is undertaken by Contractor in this agreement and shall include, but not be limited to, claims involving security breach, system failure, data recovery, business interruption, cyber extortion, social engineering, infringement of intellectual property, including but not limited to infringement of copyright, trademark, trade dress, invasion of privacy violations, information theft, damage to or destruction of electronic information, release of private information, and alteration of electronic information. The policy shall provide coverage for breach response costs, regulatory fines and penalties as well as credit monitoring expenses. Coverage shall also include Technology Professional Liability Errors & Omissions appropriate to the Consultant's profession and work hereunder

7.24.2 MINIMUM POLICY LIMITS REQUIRED

	Combined Single Limit (CSL)
Commercial General Liability (Per Occurrence):	$2,000,000
(General Aggregate)	$4,000,000
(Completed Operations & Products Aggregate)	$2,000,000
Automobile Liability: (Combined Single Limit)	$2,000,000
Worker's Compensation:	Statutory Limits
Employer's Liability per Accident /or Disease:	$1,000,000

1. Additional Coverages (as indicated under Additional Coverages Required Section):

☒	B (1) Primary and Non-Contributory Insurance	
☐	B (2) Owner Provided Builder's Risk	Replacement Cost
☒	B (3) Railroad Protective (Per Occurrence)	$2,000,000
	Railroad Protective (General Aggregate)	$4,000,000
☐	B (4) Professional Liability	$
☐	B (5) Pollution and Legal Liability	$
☐	B (6) Contractor Equipment	Replacement Cost
☐	B (7) Installation Floater	Replacement Cost
☐	B (8) Garage Keeper's Legal Liability & Automobile Portion	

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	(Combined Single Limit (CSL)	(Per Occurrence)
☐	B (9) Crime Fidelity Insurance	$
☐	B (10) Umbrella or Excess Liability (if required to meet liability limits above)	$
☐	B (11) Property Insurance	$
☐	B (12) Cyber Security Liability Insurance (per occurrence or claim)	$
	(Aggregate)	$

7.27. INDEMNIFICATION

To the extent permitted by law, ARTIST does hereby assume liability for, and agrees to defend, with counsel acceptable to MTS, indemnify, protect, save and keep harmless **MTS, SDTI, SDTC, SD&AE, SD&IV** and its directors, officers, employees, agents and their respective successors and assigns from and against any and all liabilities, obligations, losses, damages, penalties, fines, claims, actions, suits, costs and expenses and disbursements including reasonable attorneys' fees and expenses (including allocated costs of MTS attorneys) of any kind and nature imposed in, asserted against, incurred or suffered by **MTS, SDTI, SDTC, SD&AE, SD&IV** or its directors, officers or employees or its successors and assigns by reason of damage, loss or injury (including death) of any kind or nature whatsoever to persons or property in any way relating to or arising out of:

(i) any acts, errors or omissions by ARTIST or any of its officers, agents, servants, employees, subconsultants of any tier in its or their performance hereunder, whether or not caused by MTS's negligence, but not to the extent of MTS's sole negligence or willful misconduct; or

(ii) any claim of patent or copyright infringement in connection with the services performed or work products provided under this Contract by ARTIST or any of its officers, agents, servants, employees, subcontractors or subcontractors of any tier; or

(iii) a release by ARTIST or any of its officers, agents, servants, employees, subcontractors or subcontractors of any tier in its or their performance hereunder of any substance or material defined or designated as a hazardous or toxic substance, material or waste by any federal, state or local law or environmental statute, regulation or in effect when the release occurs, or as amended or promulgated in the future, but only to the extent based upon principles of comparative fault that such release is not proximately contributed to or caused by MTS, or its directors, officers or employees; and/or

(iv) successful efforts to enforce this indemnity provision.

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The parties will establish procedures to notify the other party where appropriate of any claims, administrative actions or legal actions with respect to any of the matters described in this indemnification provision. The parties will cooperate in the defense of such actions brought by others with respect to the matters covered in this indemnity. Nothing set forth in this Contract will establish a standard of care for, or create any legal rights in, any person not a party to this Contract.

In addition to any other remedy authorized by law, MTS may retain as much of the money due ARTIST under this Contract as it considers necessary until disposition has been made of any claim for damages.

The foregoing requirements are not intended to and will not in any manner limit or qualify the liabilities and obligations otherwise assumed by ARTIST pursuant to this Contract, including, but not limited to, the provisions concerning insurance.

7.28. CONFLICT OF INTEREST

During the term of this Contract, ARTIST, its officers, employees and their immediate families may not acquire any interest, direct or indirect, that would conflict with the performance of services required to be performed under this Contract. Violation of this prohibition is a material breach of this Contract and MTS will have the right to debar ARTIST from participating at any tier in any MTS contract for a period of up to 5 years.

ARTIST covenants that prior to award of this Contract, ARTIST has disclosed in writing to the MTS General Counsel any present interest and any interest existing within 12 months prior to award of this Contract including, without limitation, any business or personal relationship that creates an appearance of a conflict of interest. Disclosable interests and relationships are those that may reasonably be viewed as creating a potential or actual conflict of interest. In addition, ARTIST must immediately disclose in writing to the MTS General Counsel any interest or relationship described above acquired or occurring after ARTIST's initial disclosure. Violation of the above disclosure obligations is a material breach of this Contract.

7.29. TERMINATION FOR CONVENIENCE

After MTS issues Notice to Proceed, MTS may terminate this Contract by giving 5 days' advance written notice to ARTIST. Upon termination of the Contract under this Article, ARTIST will be paid for all actual services rendered to MTS to and inclusive of the specified date of termination. If MTS terminates this Contract for convenience before issuance of Notice to Proceed to fabricate the Artwork, MTS will not be obligated to make any payment to ARTIST. All designs, materials, finished and unfinished portions of the Artwork, and written documents pertaining to the Artwork under this Contract, will remain the property of ARTIST. Within 30 days after issuance of the notice of termination, ARTIST must remove all finished or unfinished portions of the Artwork and restore the Artwork site to its prior condition. If ARTIST fails to remove his or her personal property and restore the Artwork site, MTS may do so at ARTIST's expense.

7.30. TERMINATION FOR BREACH

Either party may terminate this Contract immediately following written notice if the other party is in default as to any of its material obligations hereunder, provided that: (a) the defaulting party has received a written notice containing a reasonably complete description of the default; and (b) the defaulting party has failed to cure the default within 30 calendar days after receiving such notice; provided that if such failure is capable of cure but cannot be cured during such 30-day period, no event of default may occur so long as the defaulting party is diligently attempting to

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cure and does so within such additional period of time as is approved in writing by the non-defaulting party. If MTS terminates for breach, ARTIST will only be paid its fees and costs for services performed, as of the effective date of termination, in accordance with the terms and conditions of this Contract. MTS reserves the right to offset the damages it incurs as a result of ARTIST's breach against any payments owed to ARTIST. The foregoing remedy is cumulative and is in addition to any right or remedy that MTS may have in law or equity.

If, after termination for failure to fulfill contract obligations, it is determined that ARTIST was not in default, the rights and obligations of the parties will be the same as if the termination had been issued for MTS's convenience.

7.31. NOTICES

All notices and other communications under this Contract must be in writing and will be deemed to have been duly given (i) on the date of delivery, if delivered personally to the party to whom notice is given, or if made by email directed to the party to whom notice is to be given at the email address listed below, or (ii) at the earlier of actual receipt or the second business day following deposit in the United States mail, postage prepaid. Notices and other communications must be directed to the parties at the addresses shown below. A party may change its person designated to receive notice, its email address, or its address from time to time by giving notice to the other party in accordance with the procedures set forth in this Article.

TO MTS: San Diego Metropolitan Transit System
Attn: Rolando Montes

Phone: 619-595-4927
Email: Rolando.montes@sdmts.com

TO ARTIST: Michelle Guerrero

7.32. PREVAILING WAGES

Pursuant to Labor Code sections 1725.5 and 1771.1, ARTIST and subcontractors that wish to enter into a contract to perform public work must be registered with the Department of Industrial Relations. No contract will be entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work. If awarded a contract, the Bidder and its subcontractors, of any tier, shall maintain active registration with the Department of Industrial Relations for the duration of the Project.

LABOR

Hours of Work: Eight (8) hours of work shall constitute a legal day's work. ARTIST and each subcontractor shall forfeit, as penalty to MTS, twenty-five dollars ($25) for each worker employed in the execution of Work by the ARTIST or any subcontractor for each day during which such worker is required or permitted to work more than eight (8) hours in any one day and forty (40) hours in any week in violation of the provisions of the Labor Code, and in particular, section 1810 to section 1815, except as provided in Labor Code section 1815. The ARTIST and every subcontractor shall keep an accurate record showing the name of and actual hours worked each calendar day and each calendar week by each worker employed in connection with the Work or

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any part of the Work contemplated by this Contract. The record shall be kept open at all reasonable hours to the inspection of MTS and to the Division of Labor Law Enforcement, Department of Industrial Relations of the State of California.

Prevailing Rates of Wages: The ARTIST is aware of the requirements of Labor Code Sections 1720 et seq. and 1770 et seq., as well as California Code of Regulations, Title 8, Section 16000 et seq. ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. Since this Project involves an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and since the total compensation is $1,000 or more, ARTIST agrees to fully comply with such Prevailing Wage Laws. The Contractor shall obtain a copy of the prevailing rates of per diem wages at the commencement of this Contract from the website of the Division of Labor Statistics and Research of the Department of Industrial Relations located at www.dir.ca.gov. In the alternative, the Contractor may view a copy of the prevailing rate of per diem wages which are on file at MTS's Administration Office and shall be made available to interested parties upon request. Contractor shall make copies of the prevailing rates of per diem wages for each craft, classification, or type of worker needed to perform work on the Project available to interested parties upon request, and shall post copies at the ARTIST's principal place of business and at the Project site. Contractor shall defend, indemnify and hold MTS, its Board, members of the Board, employees and authorized volunteers free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or allege failure to comply with the Prevailing Wage Laws.

The ARTIST shall forfeit as a penalty to MTS not more than Two Hundred Dollars ($200.00), pursuant to Labor Code Section 1775, for each calendar day, or portion thereof, for each worker paid less than the prevailing wage rate as determined by the Director of the Department of Industrial Relations for such work or craft in which such worker is employed for any public work done under the Contract by it or by any subcontractor under it. The difference between such prevailing wage rate and the amount paid to each worker for each calendar day or portion thereof, for which each worker was paid less than the prevailing wage rate, shall be paid to each worker by the ARTIST.

ARTIST shall post, at appropriate conspicuous points on the Project site, a schedule showing all determined general prevailing wage rates and all authorized deductions, if any, from unpaid wages actually earned.

Payroll Records: Pursuant to Labor Code Section 1776, ARTIST and all subcontractors shall maintain weekly certified payroll records, showing the names, addresses, Social Security numbers, work classifications, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by them in connection with the Work under this Contract. ARTIST shall certify under penalty of perjury that records maintained and submitted by Contractor are true and accurate. ARTIST shall also require subcontractor(s) to certify weekly payroll records under penalty of perjury.

In accordance with Labor Code section 1771.4, the ARTIST and each subcontractor shall furnish the certified payroll records directly to the Department of Industrial Relations ("DIR") on the specified interval and format prescribed by the DIR, which may include electronic submission.

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ARTIST shall comply with all requirements and regulations from the DIR relating to labor compliance monitoring and enforcement.

If not subject to paragraph (a), the certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement ("DLSE") of the DIR or shall contain the same information as the forms provided by the DLSE.

In the event of noncompliance with the requirements of this Section, the ARTIST shall have ten (10) calendar days in which to comply subsequent to receipt of written notice specifying in what respects the ARTIST must comply with this section. Should noncompliance still be evident after such 10-day period, the ARTIST shall pay a penalty of one hundred dollars ($100.00) to MTS for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, such penalties shall be withheld from progress payment then due.

Employment of Apprentices: ARTIST's attention is directed to the provisions of sections 1777.5, 1777.6, and 1777.7 of the Labor Code concerning employment of apprentices by the Contractor or any subcontractor. ARTIST shall obtain a certificate of apprenticeship before employing any apprentice pursuant to sections 1777.5, 1777.6, and 1777.7 of the Labor Code. Information relative to apprenticeship standards, wage schedules, and other requirements may be obtained from the Director of Industrial Relations, the Administrator of Apprenticeships, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.

Nondiscrimination: Pursuant to Labor Code Section 1735 and other applicable provisions of law, the ARTIST and its subcontractors shall not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, or any other classifications protected by law on this Project. The ARTIST will take affirmative action to ensure that employees are treated during employment or training without regard to their race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, or any other classifications protected by law.

Labor Certification I am aware of the provisions of section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract code.

7.33. WATER QUALITY MANAGEMENT AND COMPLIANCE

A. Contractor must recover and legally dispose of all wastewater created while providing services. Contractor assumes any and all risks and liabilities arising from the failure to properly recover and legally dispose of wastewater. Contractor must implement best management practices set forth in any stormwater pollution prevention plan relevant to the provision of the services.

B. Compliance with Water Quality Laws, Ordinances and Regulations. Contractor shall keep itself and all subcontractors, staff, and employees fully informed of and in compliance with all

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local, state and federal laws, rules and regulations that may impact, or be implicated by the performance of the services including, without limitation, all applicable provisions of the Federal Water Pollution Control Act (33 U.S.C. § 1251, et seq.); the California Porter-Cologne Water Quality Control Act (Water Code § 13000 et seq.); and any and all regulations, policies, or permits issued pursuant to any such authority. Contractor shall additionally comply with the lawful requirements of the San Diego Regional Water Quality Control Board, any municipality, drainage district, or other local agency with jurisdiction over the location where the services are to be conducted, regulating water quality and storm water discharges and shall implement best management practices, consistent with the requirements of any board, municipality, drainage district or other local agency appropriate for the control of discharges related to the services.

C. Standard of Care. Contractor warrants that all employees and subcontractors shall have sufficient skill and experience to perform the work assigned to them without impacting water quality in violation of the laws, regulations and policies described in this section. Contractor further warrants that it, its employees and subcontractors have or will receive adequate training, as determined by MTS, regarding these requirements as they may relate to the services.

D. Liability for Non-compliance.

1. Indemnity: Failure to comply with laws, regulations, and ordinances listed in this section may constitute a violation of federal and state law. Notwithstanding any other indemnity contained in this Agreement, Contractor agrees to indemnify, defend and hold harmless MTS, its officials, officers, agents, employees and authorized volunteers from and against any and all claims, demands, losses or liabilities of any kind or nature which MTS, its officials, officers, agents, employees and authorized volunteers may sustain or incur for noncompliance with the laws, regulations, and ordinances listed above, arising out of or in connection with the services, except for liability resulting from the sole established negligence, willful misconduct or active negligence of MTS, its officials, officers, agents, employees or authorized volunteers. Contractor is solely liable for any administrative or civil enforcement action arising from Contractor's failure to comply with the laws, regulations, and ordinances listed in this section and must pay any monetary penalty, fine, or damages associated with such action.

2. Defense: MTS reserves the right to defend any enforcement action or civil action brought against MTS for Contractor's failure to comply with any applicable water quality law, regulation, or policy. Contractor hereby agrees to be bound by, and to reimburse MTS for the costs associated with, any settlement reached between MTS and the relevant enforcement entity.

3. Damages: MTS may seek damages from Contractor for delay in completing the services caused by Contractor's failure to comply with the laws, regulations and policies described in this section, or any other relevant water quality law, regulation, or policy.

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7.34. NONDISCRIMINATION

In accordance with applicable federal and state laws and regulations, ARTIST agrees that it will not discriminate against any employee, applicant for employment, or subcontractor because of race, color, religion, creed, ancestry, national origin, sex, marital status, age, medical condition, gender, gender identity, gender expression, genetic information or physical or mental disability.

7.35. SUBCONTRACTORS

ARTIST agrees to bind every subcontractor to the terms of the Agreement as far as such terms are applicable to subcontractor's portion of the Work. ARTIST shall be as fully responsible to MTS for the acts and omissions of its subcontractors and of persons either directly or indirectly employed by its subcontractors, as ARTIST is for acts and omissions of persons directly employed by ARTIST. Nothing contained in this Agreement shall create any contractual relationship between any subcontractor and MTS. MTS reserves the right to approve all subcontractors. MTS's approval of any subcontractor under this Agreement shall not in any way relieve ARTIST of its obligations under this Agreement.

7.36. PROMPT PROGRESS PAYMENT AND RETENTION

ARTIST or Subcontractor shall pay any Subcontractor no later than seven (7) business days from the receipt of each progress payment from MTS. No retainage will be held by MTS from progress payments due to the ARTIST. Any retainage kept by the ARTIST or by a Subcontractor must be paid in full to the Subcontractor in seven (7) business days after the Subcontractor's work is satisfactorily completed. Any delay or postponement of a progress payment or retainage to the Subcontractor over 30 calendar days may take place only for good cause and with MTS's prior written approval. Failure to comply with this provision will constitute noncompliance, which may result in the application of legal and contract remedies, including, but not limited to, prime contractor not being reimbursed for work performed by subcontractors unless and until the prime contractor ensures that the subcontractors are promptly paid for the work they have performed. This requirement shall not be construed to limit or impair any contractual, administrative or judicial remedies otherwise available to the ARTIST or Subcontractor in the event of a dispute involving late or nonpayment by the ARTIST, deficient Subcontractor performance or noncompliance by a Subcontractor.

ARTIST must submit the MTS Prompt Payment Certification Form to the MTS Contracts Administrator if any Subcontractors. The form is available for download at https://www.sdmts.com/business-center/procurement.The form certifies that all Subcontractors were paid within seven (7) business days of receiving payment from MTS for work performed during the previous month. The ARTIST must submit the completed certification, as required on the form, and the month following final acceptance of the project. In addition, seven (7) business day prompt payment requirement prevails over contract language between an ARTIST and a Subcontractor.

7.37. RECORDS RETENTION

The ARTIST and any Subcontractor shall maintain all data, documents, books, reports, payroll, statistics, subcontracts, leases, arrangements, papers, accounting records, and other evidence and supporting materials pertaining to the performance of the contract including, but not limited

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to, the costs of administering the contract. The Contractor shall make such materials available at its respective office at all reasonable times during the Agreement and for three (3) years from the date of the final payment under the Contract and three (3) years from the date that any pending legal matters relating to the Contract are closed. MTS, the state, the State Auditor, or any duly authorized representative shall have access to any books, records, and documents of the ARTIST that are pertinent to the contract for audit examination, excerpts, and transactions, and copies thereof shall be furnished if requested.

7.38. DISADVANTAGED BUSINESS ENTERPRISE (DBE) AND OTHER SMALL BUSINESS PARTICIPATION

MTS encourages the participation of DBEs, minority owned businesses (MBEs), women owned businesses (WBEs), disabled veteran business enterprises (DVBEs) lesbian gay bisexual transgender businesses (LGBTs), and small businesses (SB) in the performance of all of its contracts. MTS encourages the Contractor to outreach to DBEs and other small business enterprises for any potential subcontracting opportunities on this project. MTS tracks DBE, MBE, WBE, DVBE, PDBE, LGBT and SB participation and therefore requires all successful proposers to report whether the prime contractor and any subcontractors are a DBE or other small business enterprise. Contractor must complete MTS's Designation of Subcontractors and DBE Program - Information for MTS's Bidder List. If interested in learning about bonding or financial assistance that may be available for small businesses, visit www.sba.gov. If interested in learning about the eligibility requirements to become certified as a DBE, PDBE, MBE, WBE, DVBE, LGBT or SB or how to view a list of certified firms, please contact MTS's DBE Liaison Officer, Samantha Leslie, at Samantha.Leslie@sdmts.com for more information.

7.39. EQUAL EMPLOYMENT

A. MTS'S EQUAL EMPLOYMENT OPPORTUNITY PROGRAM:

MTS is an Equal Opportunity Employer. As such, MTS agrees to comply with all applicable Federal civil rights laws and implementing regulations. Apart from inconsistent requirements imposed by Federal laws or regulations, MTS agrees to comply with the requirements of 49 U.S.C. § 5323(h) (3) by not using any Federal assistance awarded by FTA to support procurements using exclusionary or discriminatory specifications. MTS' Equal Employment Opportunity Program for Contractors, MTS Policy No. 25, is part of this Agreement (a copy can be obtained from MTS' Clerk of the Board).

B. CONTRACTOR'S EQUAL EMPLOYMENT OPPORTUNITY PLAN:

Each Contractor who provides MTS labor, equipment, materials and services of $50,000 or more per year with fifty (50) or more employees shall have, maintain, and submit an Equal Employment Opportunity Plan to the Director of Human Resources and Labor Relations for MTS each year of the contract, and a Workforce Utilization Report on or before January 1 and July 1 for each year of the contract. The objective of this plan is to assure that the Contractor will not discriminate against any employee or applicant for employment because of race, color, national origin, sex, sexual orientation, gender identity, religion, disability, age or status as a parent. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

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C. COMPLIANCE WITH REGULATIONS:

Contractor shall comply with Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000e et seq.; Facilitate compliance with Executive Order No. 11246, "Equal Employment Opportunity" September 24, 1965, 42 U.S.C. § 2000e note, as amended by any later Executive Order that amends or supersedes it in part and is applicable to federal assistance programs; Comply with federal transit law, specifically 49 U.S.C. § 5332; FTA Circular 4704.1 "Equal Employment Opportunity (EEO) Requirements and Guidelines for Federal Transit Administration Recipients,"; and Follow any other federal guidance pertaining to EEO laws, regulations, and requirements, and prohibitions against discrimination.

7.40. ROADWAY WORKERS PROTECTION (RWP) TRAINING

Prior to entering the MTS railroad operating corridor, all workers of Contractor, sub-Contractors, and any other third-party contractor under Contractor's control working on MTS property shall have taken and passed a four (4) hour RWP training course as required by the Federal Railroad Administration (FRA) California Public Utilities Commission (CPUC). Training courses are valid for one year from date issued. Contractor should allow at least two weeks to schedule training prior to commencement of services on the right of way (ROW). Registration for the course can be found online at: http://www.sdmts.com/Business/RAILSAFETYTRAINING.htm. Any costs related to RWP training courses shall be at the sole expense of the Contractor.

7.41. FLAGGING

Any work within fifteen (15) feet of active rail, or as otherwise identified by MTS, shall require an MTS flagger. An MTS Flagger Request form must be submitted to FlagRequest@sdmts.com no later than 72 hours prior to the commencement of the work. The MTS Flagger Request shall include: the specific location, time(s) and date(s) for when an MTS flagger(s) will be necessary. The MTS Flagger will be provided at the expense of the party requesting the work. The requester will be responsible to contact SDTI Assignment Office at (619) 595-4956 no later than 24 hours prior to beginning of work for all cancellations and may be subject to SDTI labor reporting costs.

7.42. GRANT CONDITIONS

This Contract is subject to a financial assistance contract between MTS and the United States of America, acting through the Department of Transportation and the Federal Transit Administration (hereinafter "FTA"), as well as Clean California Local Grant Program ("CALTRANS"). If FTA or CALTRANS requires any change to this Contract to comply with its requirements, both parties agree to amend this Contract as required by FTA or CALTRANS. If such changes cause an increase or decrease in the work to be performed by the ARTIST or the time for such performance, then the compensation to be paid to ARTIST and time of performance will be equitably adjusted.

7.43. ARBITRATION

If any matter is to be submitted to the Arts and Mediation Services of the California Lawyers for the Arts, all fees expenses and costs connected therewith will be borne jointly and equally by MTS and ARTIST. Each and every obligation under this Contract to submit any matter in dispute to a third party for resolution is conditioned upon the foregoing provision of this Article. If any matter

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is to be submitted to the Arts and Mediation Services of the California Lawyers for the Arts for resolution pursuant to this Contract, and if, at the time of submission such organization is no longer in existence, or is not able or willing to provide such resolution service, then the matter will be submitted for resolution to the American Arbitration Association or such other organization to which both parties mutually agree. Unless the parties agree otherwise, the arbitration procedures to be used for resolving the dispute will be those current procedures adopted by the applicable arbitration board.

7.44. ASSIGNMENT OF WORK

The services provided pursuant to this Contract may not be assigned by ARTIST unless approved in writing by MTS. If ARTIST is not available to perform the terms of the Contract, MTS may at its election terminate the Contract for convenience or cancel the Contract for breach by giving notice as set forth herein.

7.45. SUCCESSORS AND ASSIGNS

This Contract will be binding upon and the benefits of this Contract will inure to the successors and assigns of the parties hereto, subject to the provisions of Article 37 above.

7.46. GOVERNING LAW

The interpretation and enforcement of this Contract is governed by the laws of the State of California, the state in which this Contract was signed. The parties agree to submit any disputes not subject to arbitration arising under the Contract to a court of competent jurisdiction located in San Diego, California.

7.47. NONWAIVER

Waiver of any breach or default hereunder does not constitute a continuing waiver or a waiver of any subsequent breach either of the same or of another provision of this Contract.

7.48. MODIFICATION

No waiver, alteration, modification, or termination of this Contract will be valid unless made in writing and signed by the authorized parties hereof.

7.49. AMBIGUITIES

The parties have each carefully reviewed this Contract and have agreed to each term of this Contract. ARTIST acknowledges that he or she has been encouraged to retain his or her own attorney for the purposes of reviewing this Contract before signing it. No ambiguity is presumed to be construed against either party.

7.50. COUNTERPARTS

This Contract may be executed in one or more counterparts, each of which will be deemed to be an original, but all of which together will constitute but one and the same instrument.

7.51. SEVERABILITY

If any term, covenant, or condition of this Contract is held by a court of competent jurisdiction to be invalid, the remainder of this Contract will remain in effect.

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7.52. SURVIVAL

All warranties, indemnities and waiver of rights contained in this Contract will survive the expiration, termination or cancellation of this Contract.

7.53. ENTIRE AGREEMENT

All warranties, indemnities and waiver of rights contained in this Contract will survive the expiration, termination or cancellation of this Contract.

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EXHIBIT D
FORMS

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Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 20

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Bus "In-Lane" Revenue Collection Hardware – Sole Source Contract Award

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute Contract B0774.0-24 (in substantially the same format as Attachment A), with Genfare, LLC (Genfare), in the amount of $600,485.69 for the replacement of Genfare fare lane hardware at the Imperial Avenue Division (IAD) and the Kearny Mesa Division (KMD).

Budget Impact

The total cost of this contract is estimated to be $600,485.69 (Attachment B). The project will be funded by the Capital Improvement Program (CIP) WBSE account 1008121201 – IAD & KMD Service Lane Probe & Vault.

DISCUSSION:

MTS owns and operates the IAD and the KMD bus maintenance facility complexes. MTS buses at these divisions are equipped with Genfare fare boxes to facilitate the payment of cash fares on board the bus. Each division contains three bus lanes equipped with Genfare revenue collection hardware to retrieve cash from the fareboxes at the end of each service day. This supporting hardware ensures the cash retrieved from the onboard fare boxes is stored securely.

The lane revenue collection equipment has been in service for over fifteen (15) years and is at the end of its useful life. As such, staff requests a hardware update that will prolong the life of several key components of the bus revenue collection process. The update will mainly impact mobile bins and stationary vaults, the key hardware components in the bus revenue collection process. Genfare is the exclusive provider of this proprietary hardware, which is fully integrated into the system across 600+ buses. Replacing it with third-party hardware would require substantial duplication costs for integration, security modifications, and software compatibility, all while still relying on Genfare's involvement. Therefore, it was determined that this hardwrare equipment can only be purchased from Genfare as a sole source procurement.



Staff's Independent Cost Estimate (ICE) is based on past proposals for similar hardware from 2020 and inflation. Based on a comparison between the ICE amount of $580,651.53 and the submitted proposal of $600,485.69, the difference appears to be driven by increased supply chain and labor costs. Staff has reviewed Genfare's pricing and determined it to be fair and reasonable. The table below shows the difference between MTS's ICE and Genfare's proposal.

ENTITY	CERTIFICATION	AMOUNT
MTS ICE		$580,651.53
Genfare	N/A	$600,485.69
(Difference between MTS ICE vs Genfare's proposal)		$19,834.16

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Contract B0774.0-24 (in substantially the same format as Attachment A), with Genfare in the amount of $600,485.69 for the replacement of Genfare fare lane hardware at IAD and KMD.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachments: A. Draft Agreement MTS Doc. No. B0774.0-24
B. Contractor's Proposal

Metropolitan Transit System

STANDARD AGREEMENT

FOR

MTS DOC. NO. B0774.0-24

BUS "IN-LANE" REVENUE COLLECTION HARDWARE

THIS AGREEMENT is entered into this _____ day of _____, 2025 in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: Genfare, LLC

Address: 800 Arthur Ave

Elk Grove Village IL 60007
City State Zip

Form of Business: LLC
(Corporation, Partnership, Sole Proprietor, etc.)

Email: josh.moskowitz@spx.com

Telephone: 847-871-1126

Authorized person to sign contracts: Eric Kaled (Name) — President (Title)

The Contractor agrees to provide goods as specified in Contractor's Proposal (Exhibit A), and in accordance with the Standard Agreement, including the negotiated Conditions (Exhibit B), and Forms (Exhibit C).

The contract term is effective May 1, 2025 through July 31, 2025.

Payment terms shall be net 30 days from invoice date. The total cost of this contract shall not exceed $600,485.69 without the express written consent of MTS.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	GENFARE, LLC
By: _____ Sharon Cooney, Chief Executive Officer Approved as to form: By: _____ Karen Landers, General Counsel	By _____ Title: _____

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GENFARE

Genfare, LLC
800 Arthur Ave
Elk Grove Village, IL 60007
Ph: (847) 593-8855

Sales Quotation

Information

Sales Quote No.	5049304
Document Date	09/12/2024
Customer No.	529
Currency	USD
Contact Name	Israel Maldonado
Phone	619-238-0100
FAX	619-446-4389
EMAIL	israel.maldonado@sdmts.com
Validity Start Date	11/22/2024
Validity End Date	05/31/2025
Req Ship Date	03/30/2025

Sold-To-Party
San Diego Transit
1255 Imperial Avenue, Suite 1000
San Diego CA 92101-7490

Ship-To-Party
San Diego Transit
100 16th Street, Receiving
San Diego CA 92101

End User
San Diego Transit
1255 Imperial Avenue, Suite 1000
San Diego CA 92101-7490

Order includes 6 mobile vaults, 12 bins, 4 controller ID computers, 6 I/O cables, Belden Cable, 8 mobile bin wheels, 6 junction boxes, and site survey. Agency is responsible for laying Belden cable. Oversight of third-party installation work to ensure compliance with warranty requirements. Genfare is not performing this installation. Site survey conducted on 8/29.

Item	Material	Quantity	Price	Amount
10	D00545-0023	6 EA	46,533.00 USD	279,198.00
	S/A VAULT,MOBILE SYS-CBID V2 & EL-TIMER			
	Tax	1 EA	3,606.31 USD	21,637.85
30	D24080-0003	12 EA	17,313.00 USD	207,756.00
	S/A MOBILE BIN-W/ID (DUAL)			
	Tax	1 EA	1,341.76 USD	16,101.09
40	D28118-0002	4 EA	2,750.00 USD	11,000.00
	S/A CONTROLLER, ID (V2) HW			
	Tax	1 EA	213.13 USD	852.50
50	C01620-0001	6 EA	200.00 USD	1,200.00
	S/A, I/O CABLE-DATA SYSTEM			
	Tax	1 EA	15.50 USD	93.00
60	A00469-0500A	4 ROL	4,000.00 USD	16,000.00

Customer Signature: _____ **Date:** _____

Signature: _____ **Date:** 03/27/2025

Sales Representative: Josh Moskowitz **Phone:**
Email:

GENFARE

Genfare, LLC
800 Arthur Ave
Elk Grove Village, IL 60007
Ph: (847) 593-8855

Sales Quotation

Information

Sales Quote No.	5049304
Document Date	09/12/2024
Customer No.	529
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Contact Name	Israel Maldonado
Phone	619-238-0100
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EMAIL	israel.maldonado@sdmts.com
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Sold-To-Party
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San Diego CA 92101

End User
San Diego Transit
1255 Imperial Avenue, Suite 1000
San Diego CA 92101-7490

Item	Material	Quantity	Price	Amount
	CABLE, DATA- 3 PR. 18 GA. (500 FT.)			
	Tax	1 ROL	310.00 USD	1,240.00
70	B00860-0001	8 EA	361.29 USD	2,890.32
	CASTER, SWIVEL 6"			
	Tax	1 EA	28.00 USD	224.00
80	FS-0002	1 EA	5,550.00 USD	5,550.00
	SITE SURVEY			
90	MGMT RESERVE	1 EA	8,000.00 USD	8,000.00
	MANAGEMENT RESERVE			
100	C01412-0001	6 EA	456.19 USD	2,737.14
	S/A J-BOX MOUNTING			
	Tax	1 EA	35.36 USD	212.13
110	FREIGHT	1 EA	8,600.00 USD	8,600.00
	FREIGHT			
120	ITEM	1 EA	15,957.00 USD	15,957.00
	OVERSIGHT OF THIRD-PARTY INSTALL WORK			
	Tax	1 EA	1,236.66 USD	1,236.66

Customer Signature: _____ **Date:** _____

Signature: _____ **Date:** 03/27/2025

Sales Representative: Josh Moskowitz **Phone:**
Email:

GENFARE

Genfare, LLC
800 Arthur Ave
Elk Grove Village, IL 60007
Ph: (847) 593-8855

Sales Quotation

Information

Sales Quote No.	5049304
Document Date	09/12/2024
Customer No.	529
Currency	USD
Contact Name	Israel Maldonado
Phone	619-238-0100
FAX	619-446-4389
EMAIL	israel.maldonado@sdmts.com
Validity Start Date	11/22/2024
Validity End Date	05/31/2025
Req Ship Date	03/30/2025

Sold-To-Party

San Diego Transit
1255 Imperial Avenue, Suite 1000
San Diego CA 92101-7490

Ship-To-Party

San Diego Transit
100 16th Street, Receiving
San Diego CA 92101

End User

San Diego Transit
1255 Imperial Avenue, Suite 1000
San Diego CA 92101-7490

Gross Value:	558,888.46
Total Tax:	41,597.23
Final Amount:	600,485.69

Customer Signature: _____ **Date:** _____

Signature: _____ **Date:** 03/27/2025

Sales Representative: Josh Moskowitz **Phone:**
Email:

Metropolitan Transit System

DRAFT FOR EXECUTIVE COMMITTEE REVIEW DATE: 4/10/2025

Agenda Item No. 21

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

April 17, 2025

SUBJECT:

Beyer Blvd Pathway Beautification Design – Work Order Amendment

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors:

1) Ratify Work Order WOA355-AE-42, under MTS Doc No. PWL355.0-22 (Attachment A), with Psomas in the amount of $149,827.08 for preliminary design work for the Beyer Blvd Pathway Beautification project; and

2) Authorize the Chief Executive Officer (CEO) to execute Work Order Amendment WOA355-AE-42.02 under MTS Doc No. PWL355.0-22 (in substantially the same format as Attachment B), with Psomas in the amount of $394,627.88, to provide 100% design services for the Beyer Blvd Pathway Beautification.

Budget Impact

The total cost of this amendment is estimated to be $394,627.88, and the total cost of the work order is $544,454.96 (inclusive of this amendment). The project will be funded by the Capital Improvement Project (CIP) account 2009123701 – Beyer Blvd Pathway Beautification.

DISCUSSION:

On December 14, 2023 (Agenda Item (AI) 7), the MTS Board formally approved the Beyer Blvd Pathway Beautification Project (Project) with $1,604,000 in grant funding and a minimum MTS local match of $535,000. The grant funding comes from a Clean California Local Grant Program (CLEAN CA) award from the State of California Department of Transportation (CALTRANS) for the Project. MTS as the lead applicant requested design and construction funding for the Beyer Blvd Pathway Beautification Project, in partnership with Casa Familiar. Casa Familiar is the designated lead for public engagement efforts related to the Project.

The Project is located near the Beyer Blvd Trolley Station, between West Seaward Avenue and West Park Avenue, and is adjacent to the MTS trolley tracks and the Paseo de la Paz Apartments, a 137-unit affordable housing apartment complex completed in 2020. This pathway



connects pedestrians and bicyclists to the Beyer Blvd Trolley Station. Today, the area is covered with a narrow concrete sidewalk, is not well lit, but is heavily used by the community.

The Project addresses community priorities identified in prior public engagement efforts, including the Social Equity Listening Tour (SELT) conducted in 2022-2023. Through the project enhancements, community residents and public transit riders will receive a modernized and safe access pathway to the Beyer Blvd Trolley Station and the San Ysidro Community.

The project includes:

- Concrete repair or replacement for safer and improved pedestrian and bike pathway access;
- Energy Efficient Lighting;
- Drought-Tolerant Greenery; and
- Culturally Appropriate Public Art

On September 20, 2024, by CEO Authority under Board Policy 41, the CEO approved a design work order to Psomas, WOA355-AE-42, to begin the preliminary design work for the Project. The design team's scope of work included further developing and confirming the project scope, attending community workshops, land and geotechnical surveys/reports, detailing limits of new concrete, foundations for artwork, lighting studies, and landscape concepts. Once the scope was defined following this preliminary design phase, the conceptual design team would then work with MTS to establish a scope and fee to take the concept to 100 percent construction documents which includes plans, specifications, and cost estimate.

In March 2025, after two community workshops and coordination with Casa Familiar, MTS and Psomas finalized the preliminary design concept for the Project. (See Attachment C.) Finalization of the preliminary design concept allows MTS to proceed to the next phase of design for the Project.

Work Order and amendments are summarized below:

Work Order No.	Purpose	Amount	Approval Date
WOA355-AE-42	Original Work Order – Preliminary Design	$149,827.08	CEO Authority under Board Policy 41
WOA355-AE-42.01	Amendment 1 - No Cost Time Extension	$0.00	CEO Authority under Board Policy 41
WOA355-AE-42.02	Amendment 2 – 100% Design	$394,627.88	Today's proposed action
	Total	**$544,454.96**	

Today's proposed action would issue an amendment to the work order agreement to allow Psomas to progress the design to 100%.

Psomas' proposal was determined to be fair and reasonable based on the level of effort and classifications.

Therefore, staff recommends that the MTS Board of Directors:

1) Ratify Work Order WOA355-AE-42, under MTS Doc No. PWL355.0-22 (Attachment A), with Psomas in the amount of $149,827.08 for preliminary design work for the Beyer Blvd Pathway Beautification project; and

2) Authorize the CEO to execute Work Order Amendment WOA355-AE-42.02 under MTS Doc No. PWL355.0-22 (in substantially the same format as Attachment B), with Psomas in the amount of $394,627.88, to provide 100% design services for the Beyer Blvd Pathway Beautification Project.

/S/ Sharon Cooney
Sharon Cooney
Chief Executive Officer

Key Staff Contact: Mark Olson, 619.557.4588, mark.olson@sdmts.com

Attachments: A. Executed Work Order Agreement WOA355-AE-42
B. Draft Work Order Amendment WOA355-AE-42.02
C. Beyer Blvd Pathway Beautification Project Concept Design

Metropolitan Transit System

September 4, 2024

MTS Doc. No. PWL355.0-22
Work Order No. WOA355-AE-42

Sarah Curran, PE Vice President
Psomas
401 B Street, Suite 1600
San Diego, CA 92101

Dear Sarah Curran:

Subject: WORK ORDER WOA355-AE-42 TO MTS DOC. NO. PWL355.0-22, DESIGN SERVICES FOR BEYER BLVD PATHWAY BEAUTIFICATION PROJECT

This letter shall serve as our agreement for Work Order WOA355-AE-42 to MTS Doc. No. PWL355.0-22, for professional services under the General Engineering Consultant Agreement, as further described below.

SCOPE OF SERVICES

This Work Order shall provide design services for the Beyer Blvd Pathway Beautification project. Services shall be performed in accordance with the attached Scope of Services (Attachment A and A1)

SCHEDULE

The Schedule for this Work Order shall be for a period of eight (8) weeks from the date of the Notice to Proceed.

PAYMENT

Payment shall be based on actual costs in the amount of $149,827.08 (Attachment B). The Work Order amount shall not be exceeded, without prior authorization of MTS.

Please sign below, and return the document to the Contracts Specialist at MTS. All other terms and conditions shall remain the same and in effect.

Sincerely,

Sharon Cooney

Sharon Cooney
Chief Executive Officer

Accepted:

Sarah Curran, Vice President
Psomas

Date: September 23, 2024

Attachments: A. Scope of Services
A1. Consultant's Proposal
B. Negotiated Fee Proposal

San Diego Metropolitan Transit System (MTS) is a California public agency comprised of San Diego Transit Corp., San Diego Trolley, Inc. and San Diego and Arizona Eastern Railway Company (nonprofit public benefit corporations). MTS member agencies include the cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and the County of San Diego. MTS is also the For-Hire Vehicle administrator for nine cities.

ATTACHMENT A
SCOPE OF SERVICES

TITLE: BEYER BLVD PATHWAY BEAUTIFICATION **WOA #:** WOA355-AE-42

I. PROJECT DESCRIPTION

The Beyer Blvd Trolley Station is a station along the UC San Diego Blue Line and is located in the San Ysidro neighborhood of San Diego. In addition to providing access to the surrounding residential areas, the Beyer Blvd Trolley Station serves as a park-and-ride commuter center transporting roughly 2,000 passengers per day.

The Project is parallel to MTS's trolley tracks, positioned within MTS's right-of-way, resulting in no additional permissions or permits required for the Project work. The pathway is located between West Seaward Avenue and West Park Avenue, and is adjacent to the MTS trolley tracks and the Paseo de la Paz Apartments, a 137unit affordable housing apartment complex, completed in 2020. This pathway connects pedestrians and bicyclists to the MTS Beyer Blvd Trolley Station.

The Project consists of physical improvements to develop creative interventions that will directly connect communities while improving social and environmental equity, safety, and quality of life. Today, the area is covered with a narrow concrete sidewalk, is not well lit, but is heavily used by the community. The project enhancements will include:

- Concrete repair or replacement for safer and improved pedestrian and bike pathway access
- Energy Efficient Lighting
- Drought-Tolerant Greenery
- Culturally Appropriate Public Art

MTS has partnered with Casa Familiar on this project. Casa Familiar (Casa) was founded in 1973 and is a 501(c)(3), community-based organization dedicated to serving residents in South San Diego County. Originally organized in 1968 under the name Trabajadores de la Raza, Casa Familiar has grown from existing solely to serve Spanish-speaking clients in the community of San Ysidro, to include services and programs for all of South San Diego's residents. Casa Familiar will support MTS in this project by providing the following services:

- Engagement of a diverse demographic
- A customized outreach and public engagement plan, implementation of the outreach and engagement plan and
- Facilitate artist call for public art to be incorporated into the project.

This work order is intended to develop and confirm the scope of the project, detailing limits of new concrete, foundations for artwork, if needed, lighting studies, and landscape concepts. Once the scope is defined, the conceptual design team will work with MTS to establish a scope and fee to take the concept to a 30, 60, and 100 percent construction documents which includes plans, specifications, and cost estimate.

The selected Consultant for this work order, may be awarded follow-on work for subsequent design services (if, any) in the form of an amendment(s) to the original work order. However, there are no particular requirements or expected results for additional design beyond the Scope

of Work herein. Furthermore, MTS reserves the right to award additional design services (if, any) resulting from the concept layout master plan to the most qualified firm.

II. SCOPE OF WORK

The scope of work shall consist of the following tasks and deliverables:

TASK 1: WORK ORDER MANAGEMENT

This task includes project management services associated with this work order, including the requirements for progress reports, invoicing, meetings, quality assurance/quality control (QA/QC), and administration of the Consultant's and subconsultant's work.

1.1 Provide project management services including the requirements for invoicing, scheduling, monthly project progress reports, and administration of the Consultant's team. Consultant will submit one copy of a monthly progress report consisting of a written narrative to the MTS Project Manager (PM).

1.2 Provide project coordination with MTS as well as coordination with other project stakeholders as necessary.

1.3 Provide coordination and oversight of subconsultant(s) and integration of plans and specifications into submittal packages.

1.4 Provide QA/QC which will be performed on all deliverables. To confirm quality of work and compliance with the scope of work, the consultant shall perform a systematic in-house review of all documents produced prior to submittal. All reviewed documents will have a check box or signature page indicating review has been performed.

1.5 It is anticipated MTS and the design team will meet bi-weekly, attended by up to three (3) consultant team members. In addition, design review meetings will be held follow each milestone submittal to address comment resolution.

TASK 2: FIELD SURVEY AND GEOTECHNICAL ENGINEERING

2.1 Field Survey

The Consultant shall perform field survey needed to develop the existing topography to support design efforts within the vicinity. Features to be collected shall include but not be limited to concrete pathway, overhead catenary system (OCS) poles, lighting poles, fences, signs, utility boxes, etc. During the site visits, the Consultant shall perform field observations, take photographs, measurements, calculations, etc., as necessary to support design development of the project.

The Consultant shall provide a survey control sheet to support proposed improvements within the Project footprint. Consultant shall review and evaluate information for the proposed work area, including all available information and MTS design guidelines, local jurisdiction requirements, ADA standards and other pertinent information that may apply.

2.3 Geotechnical Engineering

Consultant shall provide all necessary geotechnical engineering as required for the design. Consultant shall review all pertinent and available geotechnical literature including geotechnical reports, topographic maps, geologic maps and aerial photographs; perform field borings as needed to design lighting, visual message sign (VMS), and other foundation details; compile and analyze the data obtained; and prepare a geotechnical memo. The geotechnical memo shall consist of a proposed pavement section, pole foundation details, boring logs, and R-value test results. The consultant shall conduct R-Value testing and engineering analysis required to evaluate geotechnical parameters and develop a proposed pavement section.

Consultant shall provide environmental sampling in conjunction with the geotechnical evaluation. The environmental sampling shall consist of collecting soil samples during manual advancement of the required borings at depths of 1, 3, and 5 feet below ground surface (BGS); submitting the soil samples, under chain-of-custody procedures, to a State of California certified laboratory for analysis of total petroleum hydrocarbons (TPH) extended range organics (TPH-ext) (C4-C40) utilizing EPA Method 8015B, volatile organic compounds (VOCs), including fuel oxygenates, utilizing EPA Method 8260B, and Title 22 Metals utilizing EPA Method 6010B/7471A; and preparing and submitting a technical memorandum summarizing the analytical results, including analytical data tables and figures. In the event that soil export is required, Consultant shall provide direction on the proper removal and disposal of the soil.

TASK 3: DESIGN CONCEPT LAYOUT

3.1 Consultant shall prepare up to three (3) individual options – as per the site condition, and summary memos briefly explaining the pros and cons for each option respectively. Prepare overall colored illustrative plan drawn by hand or digitally. This task includes the preparation of the following elements prior to each workshop:

- Workshop 1 deliverables: Opportunities and constraints, design concept ideas
- Workshop 2 deliverables: Presentation of the three (3) preliminary rendered conceptual design options, pros and cons and conceptual cost estimates
- Workshop 3 deliverables: Presentation of the three (3) refined conceptual design alternatives (rendered), precedence image boards, summary recommendations and photo simulations

3.2 Consultant shall prepare individual cost estimates, including design and construction cost including necessary demo for each option being presented.

3.3 Consultant shall attend up to three (3) public outreach meetings/workshops, to be scheduled and coordinated by Casa, in concert with MTS and the consultant. Presentation materials to show design team's concepts may be needed for handouts or workshop discussions. These materials shall be provided by the consultant.

III. PERIOD OF PERFORMANCE

The period of performance for required services shall be eight (8) weeks from the date of the Notice to Proceed.

IV. DELIVERABLES

All deliverable to be provided electronically, in PDF format, unless otherwise stated.

V. SCHEDULE OF SERVICES/MILESTONES/DELIVERABLES

A. Tasks Schedule

Task	Begin/End Dates
Task 1: Work Order Management	NTP through Project Completion
Task 2: Field Survey	NTP + 4 weeks
Task 3: Geotechnical Engineering & Design Concept Layout	NTP + 8 weeks

B. Milestones/Deliverables Schedule

Milestone/Deliverable	Due Date
Task 1: Monthly Invoices	Monthly
Task 2: Field Survey	NTP + 4 weeks
Task 3: (3) Conceptual Layout, Estimate and Summary Memos & Geotechnical Report	NTP + 8 weeks

VI. MATERIALS TO BE PROVIDED BY MTS AND/OR THE OTHER AGENCY

Not Applicable.

VII. SPECIAL CONDITIONS

Any condition listed below applies solely to this Work Order and does not otherwise alter the Agreement or other Work Orders.

Not Applicable.

VIII. MTS ACCEPTANCE OF SERVICES:

Contractor shall not be compensated at any time for unauthorized work outside of this Work Order. Contractor shall provide notice to MTS' Project Manager upon 100% completion of this Work Order. Within five (5) business days from receipt of notice of Work Order completion, MTS' Project Manager shall review, for acceptance, the 100% completion notice. If Contractor provides final service(s) or final work product(s) which are found to be unacceptable due to Contractors and/or Contractors subcontractors negligence and thus not 100% complete by MTS' Project Manager, Contractor shall be required to make revisions to said service(s) and/or work product(s) within the Not to Exceed (NTE) Budget. MTS reserves the right to withhold payment associated with this Work Order until the Project Manager provides written acceptance for the 100% final completion notice. Moreover, 100% acceptance and final completion will be based on resolution of comments received to the draft documents and delivery of final documentation which shall incorporate all MTS revisions and comments.

Monthly progress payments shall be based on hours performed for each person/classification identified in the attached Fee Schedule and shall at no time exceed the NTE. Contractor shall only be compensated for actual performance of services and at no time shall be compensated for services for which MTS does not have an accepted deliverable or written proof and MTS acceptance of services performed.

IX. DEFICIENT WORK PRODUCT

Throughout the construction management and/or implementation phases associated with the services rendered by the Contractor, if MTS finds any work product provided by Contractor to be deficient (i.e., not meeting the professional standard of care) and the deficiently delays any portion of the project, Contractor shall bear the full burden of their deficient work and shall be responsible for taking all corrective actions to remedy their deficient work product including but not limited to the following:

- Revising provided documents,

At no time will MTS be required to correct any portion of the Contractors deficient work product and shall bear no costs or burden associated with Contractors deficient performance and/or work product.

X. DELIVERABLE REQUIREMENTS

Contractor will be required to submit any and all documentation required by the Scope of Work. The deliverables furnished shall be of a quality reasonably acceptable to MTS. The criteria for acceptance shall be a product of neat appearance, well-organized, and procedurally, technically and grammatically correct. MTS reserves the right to request a change in the format if it doesn't satisfy MTS's needs. All work products will become the property of MTS. MTS reserves the right to disclose any reports or material provided by the Contractor to any third party.

Contractor shall provide with each task, a work plan showing the deliverables schedule as well as other relevant date needed for Contractor's work control, when and as requested by MTS.

Contractor's computer data processing and work processing capabilities and data storage should be compatible with Windows compatible PC's, text files readable in Microsoft Word, and standard and customary electronic storage. Contractor shall maintain backup copies of all data conveyed to MTS.

Contractor shall provide MTS with hard copy or electronic versions of reports and/or other material as requested by MTS.

XI. PRICING

Except where otherwise noted herein, pricing shall be firm and fixed for the duration of the Work Order and any subsequent Change Orders/Amendments to the Work Order. There shall be no escalation of rates or fees allowed.

XII. ADDITIONAL INFORMATION

List additional information as applicable to the specific Work Order scope of services.

Assumptions:

1. To accommodate the performance of the geotechnical services described above within an 8-week schedule from NTP, our geotechnical team will need to be given approved site access to perform the utility markout and drilling of the soils borings on a date prior to NTP + 4 weeks.
2. Site access for personnel and vehicles will be granted and the site can be accessed during normal working hours (Monday through Friday, 8:00 am to 5:00 pm.)

3. The schedule provided herein assumes that representatives from MTS, Casa Familiar, their consultants and stakeholders will be made available to attend the three required workshops within the 8-week schedule.
4. Design elements to be reviewed as part of the design concept layout and summarized in the summary memorandum include the following:
   a. hardscape;
   b. pedestrian gateways;
   c. site amenities;
   d. culturally appropriate public artwork (in coordination with Casa Familiar's consultant);
   e. shade elements;
   f. native and drought tolerant plantings
   g. lighting and electrical service points;
   h. bike and pedestrian safety;
   i. grading
   j. accessibility

Exclusions:

1. Construction Documents, Bidding and Construction Support
2. Coordination with any agency other than MTS or Casa Familar

XIII. PREVAILING WAGE

Prevailing wage rates apply to certain personnel for these services? ■ Yes ☐ No

ATTACHMENT A1
CONSULTANT'S PROPOSAL

Architectural & Engineering Services for Beyer Boulevard Pathway Beautification

SAN DIEGO METROPOLITAN TRANSIT SYSTEM



Proposal WOAXXXX-AE-42 | 06.11.2024

PSOMAS

PSOMAS

Balancing the Natural and Built Environment

June 11, 2024

Steve Augustyn, Contract Officer
San Diego Metropolitan Transit System
1255 Imperial Avenue, Suite 1000
San Diego, CA 92101

Subject: A&E Services for Beyer Boulevard Pathway Beautification - WOAXXXX-AE-42

Dear Mr. Augustyn:

The Beyer Boulevard Pathway Beautification project will serve as a gateway to and from the San Ysidro community while providing increased safety for pedestrians, cyclists, and residents. Improving safe access to this station will significantly impact local commuters, many of whom are low-income and rely on public transit to connect them to work, educational facilities, and essential services. The project will also encourage new ridership by facilitating a discovery process through the addition of new pathways, landscape, lighting, way-finding signage, and public art. Psomas is eager to collaborate with MTS, Casa Familiar, and other stakeholders on this exciting project.

Our core team, featuring Psomas, KTUA, Anil Verma Associates and Ninyo and Moore, brings a wealth of local experience and a history of success for delivering projects of a similar nature. The following pages detail our project team, its capabilities, our understanding and approach to the project, and local resources.

Our proposal will remain valid for a period of no less than 90 days from the submittal due date of June 11, 2024. We look forward to our continued partnership with MTS to assist in improving the safety, accessibility, and appearance of this heavily populated corridor in the San Ysidro community.

Respectfully,

PSOMAS

Sarah Curran, PE, QSD
Vice President/Contract and Task Order Manager

401 B St, Suite 1600
San Diego, CA 92101

Tel 619.691.2800
www.Psomas.com

1 Project Team

Firm	Role on Project
Psomas	▸ Project Management ▸ Civil Engineering Design ▸ Stormwater Management ▸ Traffic/ATP Planning and Design ▸ Topographic Survey/Base Mapping ▸ Structural Engineering ▸ Grant Compliance ▸ Quality Control
Anil Verma Associates	▸ Electrical Engineering/Lighting Studies
KTUA	▸ Landscape Architecture and Irrigation Design ▸ Enhanced Paving Design
Ninyo & Moore	▸ Geotechnical Engineering

Organizational Chart

MTS Metropolitan Transit System

*Key Staff

Contract Manager/ Task Order Manager
*Sarah Curran, PE, QSD
PSOMAS

Assistant Task Order Manager
*Emma Harrison, PE, QSD, ENV SP, DBIA
PSOMAS

QA/QC
Alysen Weiland, PE, DBIA
PSOMAS

Principal-in-Charge
*Timothy Hayes, PE, QSD
PSOMAS

Electrical Engineering/ Lighting Design
*Jim Keenan, SITES AP, ASLA
*Peter See, PE
*Gregorio Del Rosario
ANIL VERMA ASSOCIATES

Traffic Safety/ATP Planning & Design
*Darlene Yellowhair, TE, PTOE, RSP2I, ENV SP
PSOMAS

Civil Engineering/ Stormwater Design
PROJECT ENGINEER
*Chase Lawson, PE, ENV SP
SENIOR CIVIL ENGINEER
Jim Bliss, PE
PSOMAS

Structural Engineering
Douglas Fredericks, PE
Abraham Jauregui, PE
PSOMAS

Landscape Architecture/ Irrigation Design
*Tim Henderson
Chris Langdon
KTUA

Survey/Mapping/Street Vacations
*Richard Sullivan, PLS
PSOMAS

Geotechnical
*Jeffrey T. Kent, PE, GE
Christina Tretinjak, PG, CEG
NINYO & MOORE

Key Team Summaries

Sarah Curran, PE, QSD

Contract Manager/Task Order Manager - Psomas



- City of Carlsbad, Ocean Street Beach Access Improvements
- UCSD Expedition Way Traffic Safety and Bike Lane Conceptual Design
- City of San Diego, 5th Avenue Pedestrian Promenade Feasibility Study
- MTS Copley Park Division Planning and Lighting Study
- City of Coronado, SR-75 Median Improvements
- City of Los Angeles, Avalon Green Alleys
- Mt. San Antonio College, Temple Avenue Transit and Pedestrian Corridor

Education
BS/Civil Engineering/University of Vermont

Registration
2006/CA/Professional Engineer/Civil/69620

Years Experience
22

Profile: Sarah has 22 years of civil engineering experience including the planning and design of public works, transit, and educational facilities. Her diverse project experience, talented expertise, and client base is supported by her ability to identify and commit needed resources to projects requiring a wide range of expertise.

Time Commitment: As Contract Manager/Task Order Manager, Sarah will work closely with the MTS Project Manager and Emma Harrison, Assistant Task Order Manager, to manage the project contract elements and maintain the project schedule. Her anticipated time commitment for this effort is approximately 15% of her overall work.

Timothy Hayes, PE, QSD

Principal-in-Charge - Psomas



- Broadway Streetscape Improvement
- Potrero Canyon Bicycle and Pedestrian Bridge
- San Diego MTS On-Call
- Lincoln Multimodal Improvements

Education
BS/Civil Engineering/California Polytechnic State University

Registration
1997/CA/Professional Engineer/Civil/58986

Years Experience
31

Profile: Timothy has 31 years of experience and is adept at problem-solving and building consensus as an Engineering Manager of time-sensitive projects. His experience includes the planning and design of infrastructure and transportation improvements, including work on numerous planning strategies; preliminary design reports; and final plans, specifications, and estimates (PS&Es) for transit agencies throughout California.

Time Commitment: As Principal-in-Charge, Tim will provide project management assistance and oversight, leveraging his years of experience and expertise in transportation engineering and planning. With a firm commitment, Tim will be involved in the project, allocating approximately 15% of his time to assist with the project's success through his strategic guidance and specialized knowledge.

Emma Harrison, PE, QSD, ENV SP, DBIA

Assistant Task Order Manager - Psomas



- 5th Avenue Pedestrian Promenade Feasibility Study
- Mt. San Antonio College, Temple Avenue Transit and Pe
- Santee Community Center
- San Luis Land Port of Entry
- Carlsbad Veterans Park Master Planning and Environmental Permitting

Education
BS/Civil Engineering/University of Alabama

Registration
2018/CA/Professional Engineer/Civil/89681

Years Experience
10

Profile: Emma has 10 years of experience in comprehensive plan development for site development grading, utilities, horizontal control, and demolition, specification writing, site hydrology and utility hydraulics, master planning and programming, and construction support. Emma has worked for a variety of public agency and private clients to provide design services for K-12 schools, community colleges and 4-year universities, parking lots, and parks.

Time Commitment: Emma will dedicate approximately 20% of her time to support Sarah in the management and coordination of all the project components.

Jim Keenan, SITES AP, ASLA

Project Manager, Electrical Engineering/Lighting Design – Anil Verma Associates



- MTS Copley Park Division Planning and Lighting Study
- LA Metro San Fernando Valley BRT Corridor (Orange Line/G-Line)
- Silicon Valley Berryessa Extension (SVBX) Project-C700, Milpitas & Berryessa Stations
- LAX's Century Boulevard Gateway Project, Century Boulevard and Central Terminal Area, LAWA/Caltrans
- Santa Clarita Via Princessa Park Project
- Goleta Train Depot and Multi-Modal Center

Education

BS/Landscape Architecture/University of California, Davis

Registration

CA/Licensed Landscape Architect/3899

Years Experience

31

Profile: Jim is an urban designer, landscape architect and project principal with more than 30 years of experience in transit-oriented development in the state of California. He has led numerous multi-disciplinary teams including several electrical engineering efforts. He is a Sustainable SITES AP and is leading sustainability compliance on multiple projects.

Time Commitment: Jim will serve as project manager for the electrical and lighting elements. His anticipated time commitment for this effort is approximately 20% of his overall workload.

Peter See, PE

Senior Electrical Engineer - Anil Verma Associates



- Bridge Improvement Program
- Hyperion Full Secondary Project
- Santa Clarita Via Princessa Park Project
- Santa Clarita David March Park Project
- Santa Clarita The Rink Sports Pavilion Project

Education

BS/Electrical Engineering/Mapua Institute of Technology/Philippines

Registration

CA/Professional Engineer/Electrical/9713

Years Experience

36

Profile: Peter, a California Registered Electrical Engineer, has over 35 years of experience in the design, construction support of electrical systems. He has experienced in high and low-voltage electrical power systems, and effective team member, working closely and coordinating with other departments, agencies, and regulators.

Time Commitment: Peter's anticipated time commitment for this effort is approximately 25% of his overall workload.

Gregorio Del Rosario

Senior Electrical Engineer/Lighting Designer - Anil Verma Associates



- SANDAG, MTS Imperial Avenue Division (IAD) Roof & HVAC Equipment Replacement
- VTA, Silicon Valley Berryessa Extension (SVBX) Project-C700-Line, Stations, Wayside Facilities and Systems
- Santa Clarita Via Princessa Park Project
- Metrolink Vista Canyon Double Track Project
- Goleta Train Depot
- HART, Kamehameha Highway Stations Group

Education

BS/ Electrical Engineering, Feati University, Manila, Philippines

Years Experience

36

Profile: Gregorio has over 35 years of experience in electrical design. He has performed electrical/lighting design for stations, underpasses, plazas, hospitals, and other government facilities throughout his career. His expertise lies in the area of power distribution, lighting, instrumentation and control systems.

Time Commitment: Gregorio's anticipated time commitment for this effort is approximately 65% of his overall work.

Darlene Yellowhair, TE, PTOE, RSP2I, ENV SP

Traffic Safety/ATP Planning & Design - Psomas



- Coronado Cays Entrance Improvements and Bayshore Bikeway Traffic Study
- Carlsbad Veterans Park Master Planning and Environmental Permitting
- Port of Long Beach, West Anaheim Street Rehabilitation and Reconstruction
- Dana Point Town Center at Pacific Coast Highway and Del Prado Revitalization Project
- Mt. San Antonio College, Transit Center
- Glendale Boulevard/Hyperion Avenue Complex of Bridges Study

Education

MS/Civil Engineering/Cornell University

BS/Civil Engineering/University of Arizona

Registration

2017/CA/Traffic Engineer/2827

Years Experience

20

Profile: Darlene has extensive experience with a variety of traffic engineering projects, including traffic impact studies, traffic reports, safety studies, signal warrant studies, corridor studies, signal timing and coordination, benefit cost analysis, signing and striping design, and traffic signal design. She also has experience with design and studies for alternate modes of travel, Road Safety Assessments, transportation planning, and roadway design. Darlene is well-versed in Synchro, SimTraffic, HCS, SIDRA, and GIS, and has experience with AutoCAD, MicroStation, and InRoads.

Time Commitment: Darlene's time commitment to this project is approximately 15% of her overall workload.

Chase Lawson, PE, ENV SP

Project Engineer - Psomas



- City of San Diego, Feasibility Study for 5th Avenue Promenade
- City of Coronado, SR-75 Median Pomona Avenue to Rendova Road
- Santee Community Center
- Calexico Intermodal Transit Center
- Carlsbad Veteran's Park Master Planning and Environmental Permitting
- San Luis Land Port of Entry

Education

2026/ME/(expected) Master of Engineering/ San Diego State University, San Diego

2017/BS/Civil Engineering/San Diego State University, San Diego

Registration

2019/CA/Professional Engineer/Civil/91694

Years Experience

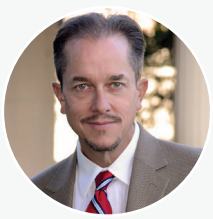
7

Profile: Chase has seven years of experience designing civil engineering improvements for both private and public development. This includes transit centers, educational facilities, large residential subdivisions, multi-family and commercial, parks, and transit-oriented development. As an Envision Sustainability Professional (ENV SP), Chase is passionate about applying sustainable practices within infrastructure and strives to include positive community impacts and enhance quality of life through his work.

Time Commitment: Chase will commit approximately 20% of his time as the Project Engineer for the Beyer Blvd. Pathway Beautification project.

Tim Henderson

Landscape Architecture/Irrigation Design- KTUA



- Southwestern College MTS Transit Station
- SANDAG Mid-Coast Corridor Transit Project, UCSD Segment
- Encinitas Coastal Rail Trail
- SANDAG Rose Creek Bike Path Construction Documents
- NCTD Fuel Cell Electric Bus Station

Education

BS/Landscape Architecture/Texas A&M University

Registration

2015/CA/Landscape Architect/6058

Years Experience

31

Profile: Tim has 31 years of experience with all phases of the design process from conceptual design through construction, on both small and large projects. He has coordinated large teams of engineering consultants and agency representatives and has participated in extensive quality control training. He has a demonstrated ability to effectively interface with diverse groups including client representatives, technical professionals, and interested stakeholders. He is highly organized while maintaining a strong orientation to detail/quality of work.

Time Commitment: Tim's anticipated time commitment for this effort is approximately 12% of his overall workload.

Jeffrey T. Kent, PE, GE

Geotechnical - Ninyo & Moore



- SANDAG Howard Avenue Bikeway
- SANDAG Imperial Avenue Bikeway
- Solana Beach Coaster Station Slope Restoration and Landscape Improvements
- City of Carlsbad, Lake Calavera Boardwalk Trail
- SANDAG North Park Mid-City Bikeway Project
- SANDAG Central Avenue Bikeway
- SANDAG Robinson Avenue Bikeway Alignment
- City of National City 8th Street Improvements

Education

MS/Geotechnical Engineering/University of California, Los Angeles

BS/Civil & Environmental Engineering/ University of California, Los Angeles

Registration

2007/CA/Professional Engineer/Civil/66143

2009/CA/Geotechnical Engineer/2817

Years Experience

22

Profile: Jeff has 22 years of geotechnical engineering experience including evaluations for public works and transit projects. This experience includes providing services for various transportation agencies including SANDAG, MTS and NCTD for such projects as bikeway alignments, rail lines, bus rapid transit stations, and other facilities.

Time Commitment: Jeff will work evaluate soil conditions as needed and maintain communication with team members to ensure successful project completion. His anticipated time commitment for this effort is approximately 20% of his overall work.

Richard Sullivan, PLS

Survey/Mapping/Street Vacations - Psomas



- City of Beverly Hills, North Santa Monica Boulevard Reconstruction
- South Park Walkability Project
- City of Los Angeles, Complete Streets Program (TOS 38) Survey Services
- City of Los Angeles, Glendale-Hyperion Complex of Bridges Improvement Project

Education

Chief of Party Courses/Union Apprenticeship

Surveying Coursework/Rancho Santiago College

Registration

2012/CA/Professional Land Surveyor/8957

Years Experience

24

Profile: Richard has over 24 years of professional surveying experience including large-scale mapping and construction surveys (both single-site and multi-site). Throughout his years of experience, Richard has coordinated, managed, and supervised a multitude of projects that have included the services of ALTA surveys, construction staking, aerial photogrammetric mapping, utility surveys, boundary analysis, and preparation of maps and exhibits.

Time Commitment: Richard will commit approximately 15% of his time to provide the required survey and mapping services.

2 Project Team Capabilities

Management, Coordination, and Scheduling Abilities

This initial phase of the Beyer Boulevard Pathway Beautification Project will be a focused effort resulting in viable option(s) to connect the San Ysidro community to public transit in an engaging, safe, maintenance friendly and sustainable manner. Psomas has assembled a proven management team that can identify and focus on the project elements that are critical at this stage to build a sound foundation for future design stages.

Leading this effort is experienced Contract/Task Order Manager, Sarah Curran. In concert with Emma Harrison, Assistant Task Order Manager, Sarah will provide oversight of the project team, be responsible for meeting the established budget and schedule, and maintain the team's focus on the initial tasks at hand.

At the Project outset, they will further develop the work plan and schedule provided in Section 4, share them with the team and MTS project manager, and monitor throughout the course of the project. The team will conduct regular internal meetings prior to check ins with the MTS project manager to coordinate, resolve questions and maintain communication, momentum and project schedule. Meeting minutes will be prepared identifying and documenting needed information, decisions, and work in progress towards each outreach meeting and submittal milestone.

The detailed work plan, schedule and regular meetings will contribute to successfully delivering exciting options within the 8-week project schedule provided in Section 4.

Ongoing Projects, Commitments, and Priorities

We have provided a table on the following page indicating our proposed team's ongoing projects and commitments. It should be noted that the listed projects are in various phases of development, many of which are winding down. While the provided table has been developed for key staff, Psomas and its subconsultants have robust, local teams to support the production behind the scenes.

As Contract Manager, Sarah will make sure adequate resources are made available to support the Project, through its duration. Emma Harrison, as mentioned above, Assistant Task Order Manager, will be returning from maternity leave around the start of this project and will have significant availability to prioritize this project and drive it forward.

Quality Assurance and Quality Control

Within the 8-week schedule, outreach materials will be prepared to convey the various options along with final concept layouts, estimates and summary memos. Psomas' QA/QC Manager, Alysen Weiland, will perform independent checks prior to each submittal, not only for consistency and quality, but also from the perspective of a reviewer who may just be seeing the materials and ideas for the first time. She will provide feedback related to the clarity of the communication material to support productive engagement within each workshop.

Cost Management

A pivotal tool Psomas utilizes for efficient management and cost control is the Project-At-A-Glance project management dashboard. This proprietary software offers real-time access to job costing and scheduling, accessible both on desktops and remotely. Through this online resource, managers and staff benefit from continually updated data, including task breakdowns with time and expense reporting. The dashboard also provides convenient links to current and past invoices, allowing seamless financial tracking. Additionally, it grants instant access to essential documents such as master contracts and task order details.

In addition and similar to other ongoing tasks, Psomas will work closely with project subconsultants to request timely invoices for incorporation into the overall invoice to MTS. Project status updates will be included with each invoice to make sure the rate of billing is in line with the project progress. This will be the responsibility of Sarah and her supporting Project Administrator.

Ongoing Projects and Team Commitments

Project Personnel	Contract Role	Client/Agency	Project Name	CMIT.
Sarah Curran, PE, QSD	Contract Manager/ Task Order Manager	San Diego MTS City of Coronado SDUSD Sub to HPI US GSA	A&E As-Needed Services Engineering As-Needed Marshall Elementary WSM San Luis Land Port of Entry	15% 10% 20% 10%
Tim Hayes, PE, QSD	Principal-in-Charge	City of Los Angeles San Diego MTS Sacramento RTD GESS	Lincoln Blvd. Multimodal A&E As-Needed Services Downtown Riverfront Streetcar SacRT - GESS - Bus Maintenance Facility	10% 10% 5% 10%
Emma Harrison, PE, QSD, ENV SP, DBIA	Assistant Task Order Manager	US GSA SDUSD City of San Diego	San Luis Land Port of Entry Mission Bay High School WSM Mt. Hope Recreation Center GDP	20% 15% 10%
Jim Keenan, SITES AP, ASLA	Project Manager, Electrical Engineering/ Lighting Design	City of Santa Clarita City of Santa Clarita City of Santa Clarita LACMTA Heritage Flelds El Toro, LLC City of Goleta Ventura County Transportation Commission Fairfield Development, L.P.	Roller Skating Rink Via Princessa Park David March Park Supplemental Engineering Services - On-Call Marine Way ADA Grade Separation - Final Design/Bid Support Goleta Train Depot & S. La Patera Roadway Camarillo Train Station Improvements Slater Mixed-Use Apt Construction Documents Phase	10% 10% 5% 5% 10% 5% 2%
Peter See, PE	Senior Electrical Engineer	City of Santa Clarita City of Santa Clarita	Roller Skating Rink Via Princessa Park	5% 5%
Gregorio Del Rosario	Senior Electrical Engineer/Lighting Design	City of Santa Clarita City of Santa Clarita City of Santa Clarita	Roller Skating Rink Via Princessa Park David March Park	20% 15% 5%
Darlene Yellowhair, TE, PTOE, RSP2I, ENV SP	Traffic Safety/ATP Planning & Design	Pima County Town of Oro Valley Town of Marana Town of Marana	Southwest Area Mobility Study Rancho Vistoso Operations Study Cortaro Farms RCE Grant Application Tangerine Farms Extension	10% 15% 15% 10%
Chase Lawson, PE, ENV SP	Project Engineer	General Services Administration (GSA) San Diego Unified School District True Life Companies	San Luis Port of Entry Mission Bay High School Tentative Tract Map 60665 Project	20% 15% 10%
Tim Henderson	Landscape Architecture/ Irrigation Design	SDUSD Sub to WCStudio NAVFAC Sub to RA Burch NAVFAC Sub to RA Burch Fluence Energy LLC	Hage Elementary School Child Development Center P2401 P-924 Range Sim Training & Ops Fallbrook Energy Storage Project	25% 15% 15% 10%
Jeffrey T. Kent, PE, GE	Geotechnical	Various/San Diego Unified School District Seefried Industrial Properties San Diego Unified School District Psomas/City of Encinitas San Diego Unified School District	Group 6 Solar Projects SAN 6 Project Discovery Roosevelt International Middle School Modernization Leucadia Streetscape Segment C Spreckels Elementary School Whole Site Modernization	10% 10% 20% 10% 20%
Richard Sullivan, PLS	Survey/Mapping/ Street Vacations	City of San Diego SDG&E County of San Diego	As-Needed Surveying & Mapping Srvs. As-Needed Land Surveying Services As-Need Lan Surveying Services	20% 5% 25%

3 Project Understanding/Approach

Demonstrated Knowledge and Abilities

The Beyer Boulevard Pathway Beautification Project is an exciting opportunity to build connections within the San Ysidro community and beyond. The pathway improvements will build upon other recent projects to complement, expand and reinforce the neighborhood identity while providing a safe and dignified experience for commuters to and from the area. Design considerations for maintenance and resiliency will also be incorporated to support the sustainability of this connection for years to come. While this initial task order is focused on the preliminary, yet critical elements, the team we have assembled understands the design needs for the life of the project development. The following project summaries represent our team's collective experience successfully delivering on similar projects throughout the region.

Ocean Street Beach Access Improvements - *Psomas*

Carlsbad, CA/City of Carlsbad



As a subconsultant to KTUA, Psomas provided design and construction support services for improvements to seven public beach access sites along the west side of Ocean Street in Carlsbad. Improvements included the addition of accessible pedestrian ramps, removal and replacement of existing concrete stairs, reconfiguration of selective landings and viewing platforms, introduction of drinking fountains at select access areas, as well as landscape improvements. Services provided include grading, drainage, utilities, stormwater management designs, and SWPPP preparation.

Due to the very limited available space, Psomas worked with the City to implement proprietary wetland filters at the base of each access point to treat storm water runoff.

RELEVANCE TO THIS PROJECT:

- Psomas/KTUA partnership
- Public Access Improvements
- Narrow Corridors

REFERENCE

Kyle Lancaster
Parks and Recreation Director
442.339.2941
kyle.lancaster@carlsbadca.gov

Feasibility Study for 5th Ave Promenade - *Psomas*

San Diego, CA/City of San Diego



Psomas prepared a Technical Feasibility Study analyzing several alternatives designed to prioritize the pedestrian experience along an 8-block span of 5th Avenue in the Gaslamp Quarter. The study identified infrastructure upgrades needed to support the project including stormwater, accessibility, traffic, and landscape improvements. Psomas provided existing condition base mapping, engineering, cost estimating, and project management services for the overall study, and led a team of subconsultants to support landscape design , placemaking, and project outreach. The project included several stakeholder interest group meetings, facilitated by Psomas, which allowed for the feedback from various agencies and community groups to be incorporated into the final report.

RELEVANCE TO THIS PROJECT:

- Technical Feasibility Study to prioritize pedestrian experience
- Project Outreach
- Stakeholder Coordination

REFERENCE

Joseph Diab
Senior Civil Engineer
City of San Diego
619.533.4615
jdiab@sandiego.gov

Camino Del Mar Downtown Streetscape Plan - *Psomas*

Del Mar, CA/Spurlock Landscape Architects



Psomas provided design and construction support services for the Camino Del Mar Street Improvement Project which extends seven blocks of Camino Del Mar from 9th Street to the Plaza Driveway, in Del Mar.

Proposed improvements included bulb-outs at various intersections, new crosswalks, curb ramps, sidewalks, and realigning parking stalls along the roadway. The project also included the replacement of existing storm drain inlets and connection to the existing storm drain system. BMPs for stormwater management were designed and installed along Camino Del Mar for pollutant control and compliance with the City of Del Mar's BMP Design Manual.

RELEVANCE TO THIS PROJECT:

- Street Beautification Improved Bike and Pedestrian Access

REFERENCE

Joe Bride
Public Works Director/City Engineer, City of Del Mar
858.755.3294
jbride@delmar.ca.us

SR-75 Median Improvements between R.H. Dana Place and Pomona Avenue - *Psomas*

Coronado, CA/City of Coronado

This project involves the enhancement of 3 median islands on the Caltrans controlled SR-75 (Orange Avenue) out in front of the Hotel Del with all new landscaping and decorative pavers. Psomas' landscape subconsultant for this project is KTUA.

Services include:

- Surveying/basemap preparation
- Existing utility plotting
- Development of Conceptual Landscape Plan alternatives for Hotel Del review
- Preparation of Final Construction Documents (PS&Es) for the selected alternative
- Preparation and processing of a Caltrans encroachment permit

This project consists of the removal of concrete, asphalt, and landscaping within the existing medians, and replacement with new landscaping and irrigation. A median refuge and maintenance strip adjacent to the existing median curbs is also included in the project. Psomas is providing construction inspection for this project that includes night work and traffic control. Project cost $185,000.

RELEVANCE TO THIS PROJECT:

- Psomas/KTUA Partnership
- Stakeholder Outreach
- Improved Pedestrian Safety

REFERENCE

Jim Newton, PE
Assistant Director & City Engineer
619.522.7313
jnewton@coronado.ca.us

Temple Avenue Street Improvements, Foothill Transit Center, and Pedestrian Corridor - *Psomas*

Walnut, CA/Mt. San Antonio College

RELEVANCE TO THIS PROJECT:

- Traffic Signals, Bikeways, Landscaping
- Pedestrian Access Improvements

REFERENCE

Gary Nellesen
Director of Facilities Planning & Management
909.274.5176
gnellesen@mtsac.edu



Currently under construction, Psomas is providing professional services for onsite and off-site pedestrian, transit, roadway and supporting infrastructure improvements at Mt. San Antonio College. The overall project is currently being implemented under multiple contracts, phases and construction packages, with consideration for and under the direction of multiple owners and funding sources, including the College, the City of Walnut, and Foothill transit.

- **Temple Avenue Green Street Improvements:** Civil engineering improvements involved widening the intersection of Temple Avenue and Bonita Avenue, restriping Temple Avenue to add a 0.75-mile Class II buffered bike lane, a wider sidewalk and parkway to allow landscape improvements, and stormwater treatment swales. This intersection improvement included dedicated right turning lanes for eastbound and westbound movements on Temple Avenue and associated right-of-way dedications, a new bicycle lane integration, bioswales, and traffic signal improvements.
- **Foothill Transit Center:** Currently under construction, Psomas is serving as the prime consultant for the conceptual and final design, bidding and construction support of a new Foothill Transit (FT) transit center. The transit center site development includes accessible pathways with decorative etched, colored concrete, and landscaping consisting of shrubs, accents, groundcover, various trees to provide additional shading to the waiting riders, and planters at the northern end of the plaza. Low Impact Development measures include vegetated bioswale, and existing protected trees will be incorporated into the landscape design.
- **Pedestrian Bridge at Miracle Mile:** The transit center will be linked to areas of campus north and south of Temple Avenue via a new pedestrian bridge. The pedestrian bridge will allow pedestrians to park, and travel over Temple Avenue from a new parking structure to the south, to the campus' miracle mile pedestrian corridor which is located uphill from the transit center. Elevators allow transit users to access the bus bays within the transit center on the lower level. Civil engineering improvements included designs for reroute of campus utility mains in conflict with proposed bridge pile caps and footings; grading and drainage designs for the connection to the miracle mile; and extensive coordination with ongoing and future campus projects.

Encinitas Coastal Rail Trail - *KTUA*

Encinitas, CA/SANDAG

RELEVANCE TO THIS PROJECT:

- Bicycle/Pedestrian Planning

REFERENCE

Chris Carterette
Senior Regional Planner & Active Transportation Project Manager
619.699.7319
chris.carterette@sandag.org



The Encinitas segment of the Coastal Rail Trail is part of a Class I multi-use path along the scenic San Diego County coastline. It follows an existing rail alignment and provides a comfortable riding and walking environment for people of all ages and abilities traveling along the coast. This particular segment also provides significant local access since it connects many community assets, such as residential and commercial districts, parks and beaches, a transit center, schools, and existing and future rail line under-crossings, all in view of the ocean.

Due to ongoing rail double tracking and topographic impacts, project planning needed to include alternatives analysis to determine the feasibility of adjacent parallel roadways both immediately east and west of the rail corridor as potential on-street routes, and whether they could be configured to provide the comfortable riding and walking environment the project required.

Challenges included determining a viable route using portions of both the rail corridor and local roadway right-of-ways, and designing improvements at existing busy intersections where transitions between them needed to be made. This included a number of traffic calming features, such as lane reductions, curb extensions, and the removal of "free right" turn lanes.

Project Understanding and Approach

The initial task order will serve as the geometric basis for the future design and construction of this project that will build a creative connection between San Ysidro and transit connected communities throughout San Diego. We will first identify existing site constraints and opportunities to create a safe and engaging connection between the transit station and surrounding residential and public community spaces. The opportunities and constraints and feedback from the kick-off meeting will be used to develop preliminary ideas to bring to the first of three public outreach meetings. Feedback from that meeting will be used for the development of the three options to bring to the second outreach meeting. Final concepts, recommendations and cost estimates will be prepared for presentation at the third outreach meeting.

Our Project Management Approach is discussed in Section 2. Following is our team's approach to this initial scope of work:

1. Kick-off Meeting, Document Review, Site Investigation, Identify Existing Constraints

An opportunities and constraints map will be developed in parallel with the Field Survey and Geotechnical Engineering performed as part of Task 2. We will visit the site, collect available as-builts from MTS, franchise utilities and the City of San Diego as applicable; we will review MTS, city, grant and other design guidelines as they pertain to the project and gain an understanding of the key community connection points. A preliminary opportunities and constraints map is shown in the figure on page 13 at the end of this section.

- **Kick-off Meeting with MTS:** At this initial meeting with MTS and Casa Familiar, we will present and solicit feedback on the draft existing conditions opportunities and constraints map and our project work plan. Goals for the project will be established and recorded to serve as the baseline principles for future decision making. We will bring precedent imagery, concept sketches and ideas to get a feel for MTS and Casa Familiar's likes, dislikes, and operations and maintenance capabilities, to efficiently establish possibilities and dead ends before developing geometric alternatives. We will confirm grant, program, stakeholder, maintenance, artist and any other known requirements to guide us in the following steps.

2. Field Survey and Geotechnical Engineering

- **Existing Conditions Base Map**

To maintain the project schedule, we will commence the field surveying work shortly after receipt of the NTP. Psomas' Survey and Geospatial team will perform the boundary, and topographic mapping. The Psomas Engineering team will review the surveyed surface utilities relative to available record drawings and field conditions to establish an Existing Conditions Base Map to support the project design. This will depict surface level, subterranean, and boundary constraints. Where uncertainty exists relative to critical underground features that could conflict with project elements, our team will make recommendations for further investigation to obtain accurate locations and sizes of the below-grade items.

- **Geotechnical Evaluation**

Ninyo & Moore will lead this effort. The team will work closely to identify the needed borings to support the overall design including infiltration testing and feasibility.

3. Design Concept Layout and Public Outreach

Develop Options: The principles, opportunities and constraints established at the kick-off meeting will be used to prepare up to three (3) individual options for consideration by MTS and Casa Familiar. Pros and cons will be prepared to support decision making and facilitate discussion at the three (3) public outreach meetings. Alternatives in concept development and new ideas will be reviewed in the regular meeting with the MTS project manager and staff in the lead up to each workshop to build consensus and work towards viable option(s) for the workshop discussion.

The following components will be of particular focus as part of the concept design:

- **Landscape Design**

KTUA's landscape design approach is built on these foundational elements: to Commit, Complement and Comply

The Landscape Design will commit to being sustainable and maintenance-friendly by utilizing sturdy drought-tolerant/California Native plantings. Furthermore, the landscape design will maximize tree canopies for pedestrian shading, expand porous surface areas, and commit to a highly efficient automated irrigation system supporting and sustaining our precious water resources.

Att. A, Item 21, 04/17/25

The Landscape Design will complement the existing surroundings, accentuating and reinforcing the transit center features and neighborhood connections. It will enhance the pathway entrance as a gateway to and from the San Ysidro community, provide site furnishings, pedestrian scale site lighting, wayfinding, and enhanced paving to support the discovery process for those navigating to and from the transit station. The design will respond to the feedback from the community received as part of the workshops.

The Landscape Design will comply with all ordinances, codes and requirements of MTS, its stakeholders and grant funding, including the Metropolitan Transit System's "Designing for Transit" guidelines from February 2019, the NACTO Transit Street Design Guide from April 2016, and the 2017 NACTO Urban Street Stormwater Guide.

- **Lighting**

Anil Verma Associates will lead the site lighting and electrical design. Similar to the Copley Park Maintenance Facility Study, they will prepare a photometric study and provide solutions for energy efficient and aesthetically pleasing lighting along the corridor. They will research available power sources and identify the need for new or expanded service to support the project.

- **Bike and Pedestrian Safety**

We understand that the existing pathway is used by walkers, bikers and the like. Psomas' experts in Active Transportation will collaborate closely with KTUA to develop options that safely cater to multiple travel modes. We will also review the connections at Seaward and Park Avenue for opportunities to improve safety at those intersections.

- **Accessibility**

Psomas will perform a preliminary topography review relative to each design option to identify improvements needed to support the creation of an accessible pathway along the entire corridor. We will analyze the survey information and take field measurements as necessary to confirm the slopes of the existing pathway to identify what facilities could potentially be reused or enhanced as part of the future project.

- **Art**

We will work closely with Casa Familiar's Artist to incorporate the elements needed to create a canvas and/or foundation to support their vision. However, we will not stop there. The pathway improvements will be designed to complement the vision established by the artist and support the discovery of the message it is meant to convey.

- **Cost**

Engineering estimates will be provided as part of the option development and tracked relative to the available grant funding. The design will be developed with any cost constraints in mind and opportunities for responsible reuse of existing infrastructure will be at the forefront.

Public Outreach: The workshops will facilitate productive discussions aimed at selecting the best alternative to serve as the basis for the future design phases. The Psomas team will prepare presentation materials to support the public outreach meetings in coordination with Casa Familiar's consultant. As part of the recently completed 5th Avenue Promenade Feasibility Study, the Psomas team facilitated similar stakeholder engagement meetings to identify preferred alternatives for the future project. We worked closely with the city PM and outreach consultant in the lead up to the workshops to confirm the agenda, invite list and materials to be presented. We found that upfront planning was key for creating an efficient process to receive quality feedback in the limited time available.

Feedback from the first two workshops will be incorporated into the development of the three refined options. Associated cost estimates and summary memorandum will be provided at draft and then final stages to incorporate MTS and Casa Familar review comments as applicable.

Innovative Approach and Internal Measures for Timely Completion

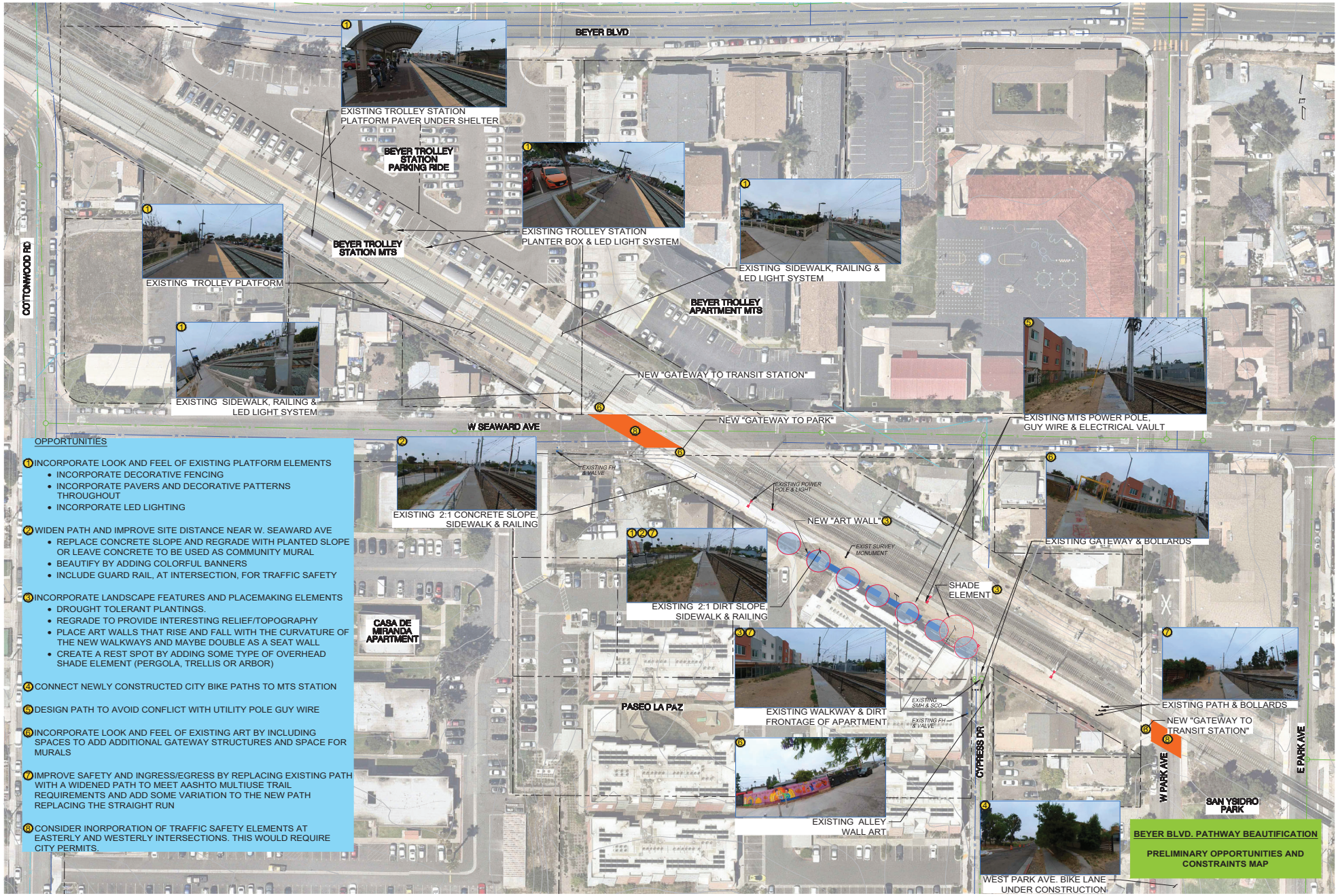
Surveying

Advances in technology have allowed us to augment the surveying practices that started our company nearly 80 years ago. Today, state-of-the-art static and mobile scanners, Unmanned Aerial Systems, and leading-edge production software provide distinct advantages, including a broader range of deliverables, increased productivity, and tailored creative solutions.

3D Modeling/Rendering

We can use our 3D rendering capabilities as a tool to communicate to MTS, Casa Familiar and the community. This will help to better compare design alternatives especially for those who do not typically review plans.

Figure 1 - Beyer Boulevard Preliminary Opportunities and Constraints Map



4 Schedule

Schedule Approach

A preliminary schedule has been provided herein and will be reviewed with MTS relative to grant funding and overall project schedule goals. In order to achieve the 8-week schedule provided in the RFP, it will be essential to develop and adhere to a detailed project work plan; meet regularly to coordinate, communicate and course correct as necessary; and not wait for initial field survey and geotechnical engineering to start developing options and soliciting feedback from project stakeholders. The schedule will be part of the agenda of each team or MTS meeting in order for any potential delays to be communicated early to allow for appropriate mitigation.

Local Resources

The Beyer Boulevard Pathway Beautification Project will benefit from having local resources with a history of working together on similar projects and the ability to quickly access the site. Psomas, Ninyo & Moore and KTUA will support the project from their local San Diego offices. Anil Verma Associates is in Los Angeles which is where Psomas is headquartered and is committed to servicing the project and showing up for key meetings and site visits. All four firms have worked together on many municipal projects throughout Southern California including both transit and pedestrian improvements.

Beyer Blvd Pathway Beautification

TASK	START	DUE
Field Survey & Geotechnical Engineering (NTP+4 w	10/1/24	10/29/24
NTP (assumed)	10/1/24	10/1/24
Kickoff Meeting	10/8/24	10/8/24
Field Survey	10/8/24	10/29/24
Geotechnical Engineering	10/29/24	10/29/24
Design Concept Layout (NTP+8 weeks)	10/1/24	11/26/24
Existing Conditions Base Map	10/1/24	10/29/24
Opportunities and Constraints	10/1/24	10/15/24
Workshop 1 (Wants and Needs)	**10/15/24**	**10/15/24**
Develop Preliminary Options	10/15/24	10/29/24
Workshop 2 (Preliminary Options)	**10/29/24**	**10/29/24**
Option Refinement	10/29/24	11/5/24
Workshop 3 (Final Options)	**11/5/24**	**11/5/24**
Option Finalization	11/5/24	11/12/24
Cost Estimate	10/29/24	11/12/24
Summary Memorandum	10/15/24	11/12/24
Draft Submittal to MTS	11/12/24	11/12/24
MTS Review/Comment	11/12/24	11/19/24
Final Submittal to MTS	**11/19/24**	**11/26/24**

5 DBE Subcontractor Utilization Plan

Psomas has a general philosophy of promoting diversity within our corporate culture, as well as with our teaming partners. With respect to the A&E services for the Beyer Boulevard Beautification project, Psomas proposes to utilize the services of Ninyo & Moore, a Minority-Owned Business Enterprise (MBE); Anil Verma Associates, Inc., a Disadvantaged Business Enterprise (DBE), Minority-Owned Business Enterprise (MBE), and Small Business (SB); and KTUA, a State of California Small Business Enterprise (SBE).

A Resumes

SARAH K. CURRAN, PE, QSD

Contract Manager/Task Order Manager – Psomas



REGISTRATION

2006/CA/Professional Engineer/Civil/69620

2023/AZ/Professional Engineer/Civil/78564

EDUCATION

2002/BS/Civil Engineering/University of Vermont, Cum Laude

CERTIFICATIONS

Qualified SWPPP Developer/California Stormwater Quality Association/69620

PROFESSIONAL AFFILIATIONS

California's Coalition for Adequate School Housing (CASH)

ACE Mentor Program

Design Build Institute of America

Urban Land Institute

EXPERIENCE

With Psomas for 9 years; with other firms for 13 years

Sarah Curran has 22 years of civil engineering experience including consulting for public works, transit, and educational facilities. Her diverse project experience and client base is supported by her ability to identify and commit needed resources to projects requiring a wide range of expertise. As Contract Manager and Task Order Manager, Sarah will work closely with the MTS Project Manager and Emma Harrison, Assistant Task Order Manager, to manage the project contract elements, build consensus among the project team and stakeholders, and maintain the project schedule.

Experience

MTS Copley Park Division Planning and Lighting Study – San Diego, CA: As Contract Manager, provided oversight of surveying, engineering and project management services to support the overall planning study. The study provided alternatives for the replacement of the existing modular building to a location outside of the old Miramar South Landfill. The study considered existing site constraints, operational impacts, and programmatic space requirements. A conceptual site lighting plan study and photometric analysis were also prepared to understand alternatives for replacement or renovation of existing leaning light poles at the facility site.

Ocean Street Beach Access Improvements - Carlsbad, CA: Project Manager for providing design and construction support services for improvements to seven public beach accesses along the west side of Ocean Street in Carlsbad, CA. Proposed improvements included the addition of accessible pedestrian ramps, removal and replacement of existing concrete stairs, reconfiguration of selective landings and viewing platforms, introduction of drinking fountains at select accesses and other landscape improvements. Services provided included grading, drainage, utilities, and stormwater management designs, as well as SWPPP preparation.

City of San Diego 5th Avenue Pedestrian Promenade Feasibility Study – San Diego, CA: Principal-In-Charge to prepare and analyze alternatives to transform 5th Avenue into a pedestrian accessible promenade. The study identifies infrastructure upgrades needed to support each alternative including stormwater, accessibility, traffic and landscape improvements. Psomas provided existing condition base mapping, engineering and project management services to support the overall study, with subconsultants to support the landscape and project outreach components. Project included Stakeholder Group meeting facilitation, report and cost estimate development.

SARAH K. CURRAN, PE, QSD (continued)

The Trust for Public Land, Avalon Green Alleys - Los Angeles, CA: As Project Manager provided design and construction support services for the renovation of two neglected alley-ways in south Los Angeles into green-infrastructure alleyways capable of capturing over 76,000 gallons of stormwater per year. Features also include decorative concrete paving, a small pedestrian mall and demonstration bio-swale. Services included grading, drainage and utilities designs. The project was a partnership between the Trust for Public Land and the City of Los Angeles Bureau of Sanitation.

Temple Avenue Transit and Pedestrian Corridor – Walnut, CA: Project Manager/Lead Designer for this project which is currently under construction. Psomas is providing professional services for onsite and off-site pedestrian, transit, roadway and supporting infrastructure improvements at Mt. San Antonio College. The overall project is currently being implemented under multiple contracts.

UCSD Expedition Way Traffic Calming and Bike Lane Study – San Diego, CA: Project Manager currently leading a conceptual design study for improvements to Expedition Way, between N. Torrey Pines Road and Downwind Way on the UCSD Scripps Institution of Oceanography campus. The Project will develop alternatives to incorporate bike lanes, address traffic calming, pedestrian safety, and signage consolidation while also considering existing site constraints and regulatory requirements. One alternative will be selected for conceptual design and implementation by the University.

Otay Mesa Land Port of Entry Expansion and Modernization – Otay Mesa, CA: Team Leader for the $137 million modernization and expansion of the Otay Mesa Land Port of Entry, the busiest commercial port in California. The project includes the expansion of pedestrian-processing facilities, construction of new buildings, new surface and structured parking, and improvements to commercial vehicle circulation by expanding the commercial truck inspection areas onto an adjacent 10-acre site. Psomas provided a wide variety of engineering services, including traffic, pavement design, infrastructure, stormwater management, multi-agency coordination and permitting services.

San Luis Land Port of Entry – San Luis, AZ: Principal-In-Charge for the $228 million Design-Build project for modernization and expansion of the San Luis 1 Land Port of Entry in San Luis, Arizona. Existing site facilities will be renovated and expanded to reduce waiting times and increase capacity for pedestrians and cross-border vehicular travelers. The project includes both on-site and off-site design work site, utility, pavement, signal, demolition, and grading improvements. The team is coordinating design efforts through the U.S. General Services Administration (GSA) and is coordinating additional design submittals through the City of San Luis, Yuma County, and the US Bureau of Reclamation (USBR).

TIMOTHY HAYES, PE, QSD

Principal-in-Charge – Psomas



REGISTRATION

1997/CA/Professional Engineer/Civil/58986

EDUCATION

1992/BS/Civil Engineering/California Polytechnic State University, San Luis Obispo

CERTIFICATIONS

Qualified SWPPP Developer/Stormwater Multiple Application and Report Tracking System/C58986

PROFESSIONAL AFFILIATIONS

Women's Transportation Seminar

American Council of Engineering Companies

American Public Works Association

American Society of Civil Engineers

EXPERIENCE

With Psomas for 19 years; with other firms for 12 years

Timothy Hayes has 31 years of experience and is adept at problem-solving and building consensus as an Engineering Manager of time-sensitive projects. His experience includes the planning and design of transit infrastructure and transportation improvements, including work on numerous planning strategies; preliminary design reports; project study reports; and final plans, specifications, and estimates (PS&Es) for various agencies throughout California.

Experience

Broadway Streetscape Improvements - Los Angeles, CA: Project Lead for transforming the historic Broadway corridor in Los Angeles into a pedestrian-friendly area, requiring the construction of widened sidewalks, curb extensions, crosswalks, lighting, trees, and more. Tasks include design and engineering support services such as community meetings, surveys, and environmental clearance.

Wilshire Boulevard Bus Rapid Transit (BRT) – Los Angeles, CA: Project Manager for the civil and transit infrastructure design of this award-winning project. The work generally consisted of civil engineering design of transit improvements along the Wilshire Corridor which included maintenance, retrofits, and improvements. The improvements included intersection upgrades, signals and lighting, landscaping, drainage improvements, and utility relocations.

East San Fernando Valley Transit Corridor Project (LA Metro) – San Fernando Valley, CA: Senior Engineer on this project consisting of preliminary engineering and supporting the development of technical documents for design-build (D-B) procurement, D-B bid support and design services during construction. The East San Fernando Valley (ESFV) Light Rail Line is a 9.2 mile high capacity transit route connecting the Metro Orange Line in Van Nuys to the Metrolink Sylmar/San Fernando Station, one of the busiest thoroughfares in the San Fernando Valley, which includes 17 stations and an Operations and Maintenance facility through a mix of shared corridor with Union Pacific and Metrolink and street running guideway. Psomas is providing utility engineering design, topographic surveying, and right of way engineering services for the Los Angeles County Metropolitan Transportation Authority on the ESFV Transit Corridor project.

TIMOTHY HAYES, PE, QSD (continued)

Sacramento Regional Transit District General Engineering Support Services – Sacramento, CA: Contract Manager for the civil and transit design of their BRT and LRT facilities including surveying and right-of-way engineering. Psomas has held this contract for over 15 years. The work generally consists of civil engineering design of transit facilities and light rail projects which include expansion, maintenance, and retrofits. Projects have included LRT extensions, expanding of bus maintenance facility, roadway improvements, structures, parking lots, signals and lighting, landscaping, drainage, utility relocations, and water quality implementation measures. Tim has been involved with this on-call contract since 2005.

Downtown/Riverfront Streetcar Project – West Sacramento/Sacramento, CA: Project Manager/Engineer for the civil engineering design, including platform design, roadway design and utility coordination for this regionally significant transit project. The project includes a maintenance facility. The 3.3-mile streetcar alignment extends from the West Sacramento Civic Center to the Midtown entertainment and retail district in the City of Sacramento. The project included 16 stations and two traction power substations. The streetcars operate in mixed-flow traffic without any physical lane separation.

Southline Extension - Phase II, Sacramento Regional Transit District – Sacramento, CA: Senior Engineer for this light rail line extension in the South Sacramento area. The project consisted of extending light rail from its current terminus at Meadowview Station to its proposed interim terminus at the Cosumnes River College campus at Bruceville Road. The civil engineering work included compiling data for existing and future utilities, extensive coordination with the various utility companies affected by the project, developing preliminary engineering level plans and estimates for park-n-ride facilities, and drainage and other civil improvements.

SR-166/UPRR Operational and Safety Grade Crossing Improvements – Santa Barbara County, CA: Project Manager for the Project Study Report (PSR) which developed and evaluated operational and safety improvements of the UPRR grade crossing with SR 166 in Santa Barbara County. The PSR services consisted of conducting an existing conditions analysis, developing alternatives, performing a traffic analysis, calculating the risks and benefits to cost analysis similar to the Baltimore and Euclid Study. Based on the analysis, recommendations were identified in the PSR and cost estimates were developed for the project alternatives.

EMMA HARRISON, PE, QSD, ENV SP, DBIA

Assistant Task Order Manager – Psomas



REGISTRATION

2018/CA/Professional Engineer/Civil/89681

2023/AZ/Professional Engineer/Civil/78104

EDUCATION

2013/BS/Civil Engineering/University of Alabama

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure

Qualified SWPPP Developer/Stormwater Multiple Application and Report Tracking System/C89681

PROFESSIONAL AFFILIATIONS

Urban Land Institute

Design Build Institute of America

EXPERIENCE

With Psomas for 7 years; with other firms for 3 years

Emma Harrison is a professional civil engineer with 11 years of experience in comprehensive plan development for site development grading, utilities, horizontal control, and demolition, specification writing, site hydrology and utility hydraulics, master planning and programming, and construction support. Emma has worked for a variety of public agency and private clients to provide design services for transit facilities, educational facilities, housing, K-12 schools, community colleges and 4-year universities, parking lots, and parks. Her extensive combined technical and project management experience is essential to her project involvement.

Experience

City of San Diego 5th Avenue Pedestrian Promenade Feasibility Study – San Diego, CA: Project Manager to prepare and analyze alternatives to transform 5th Avenue into a pedestrian accessible promenade. The study identifies infrastructure upgrades needed to support each alternative including stormwater, accessibility, traffic and landscape improvements. Psomas provided existing condition base mapping, engineering and project management services to support the overall study, with subconsultants to support the landscape and project outreach components. Project included Stakeholder Group meeting facilitation, report and cost estimate development.

Temple Avenue Transit and Pedestrian Corridor – Walnut, CA: Project Engineer for this project which is currently under construction. Psomas is providing professional services for onsite and off-site pedestrian, transit, roadway and supporting infrastructure improvements at Mt. San Antonio College. The overall project is currently being implemented under multiple contracts, phases and construction packages, with consideration for and under the direction of multiple owners and funding sources, including the College, the City of Walnut, and Foothill transit. Task Orders include Temple Avenue Grant Street Improvements, Foothill Transit Center, and the Pedestrian Bridge at Miracle Mile.

Otay Mesa Land Port of Entry Expansion and Modernization – Otay Mesa, CA: Project Engineer for the $137 million modernization and expansion of the Otay Mesa Land Port of Entry, the busiest commercial port in California. The project includes the expansion of pedestrian-processing facilities, construction of new buildings, new surface and structured parking, and improvements to commercial vehicle circulation by expanding the commercial truck inspection areas onto an adjacent 10-acre site. Psomas

EMMA HARRISON, PE, QSD, ENV SP, DBIA (continued)

provided a wide variety of engineering services, including traffic, pavement design, infrastructure, stormwater management, multi-agency coordination and permitting services.

San Luis Land Port of Entry – San Luis, AZ: Project Manager for the $228 million Design-Build project for modernization and expansion of the San Luis 1 Land Port of Entry in San Luis, Arizona. Existing site facilities will be renovated and expanded to reduce waiting times and increase capacity for pedestrians and cross-border vehicular travelers. The project includes both on-site and off-site design work site, utility, pavement, signal, demolition, and grading improvements. The team is coordinating design efforts through the U.S. General Services Administration (GSA) and is coordinating additional design submittals through the City of San Luis, Yuma County, and the US Bureau of Reclamation (USBR).

University of California San Diego, Erosion Repair and Parking Lot, Veterans Administration Medical Center – San Diego, CA: Project Engineer for civil engineering design, construction support and project management services for the development of a new 440-space campus parking lot, on a 6.5-acre site, located to the southeast of the existing Veterans Administration Medical Center. The project involves the import of approximately 100,000 cubic yards of earthwork to fill in a heavily eroded canyon, construction of stabilized fill slopes, and a compacted pad for the parking lot landscaping and re-vegetation of the Open Space Preserve Boundary. Psomas' scope of services include topographic surveying, substructure utility locating; signage and striping plans; grading, drainage and utilities plans; CEQA support documents; and design of sustainable stormwater strategies.

JIM KEENAN, SITES AP, ASLA

Project Manager, Electrical Engineering/Lighting Design – Anil Verma Associates, Inc.



REGISTRATION

CA/Licensed Landscape Architect/3899

WA/Licensed landscape Architect/1497

EDUCATION

1989/BS/Landscape Architecture/University of California, Davis

CERTIFICATION

Sustainable SITES AP

PROFESSIONAL AFFILIATIONS

ASLA (American Society of Landscape Architects)

USGBC (US Green Building)

CMAA (Construction Mgmt)

ULI (Urban Land Institute)

EXPERIENCE

With AVA for 14 years; with other firms for 21 years

Jim is a senior project manager, an urban designer, landscape architect with more than thirty years of experience in transit-oriented development in the state of California. He has worked extensively with public agencies and developers and brings exceptional skills in management and design to a broad range of projects throughout the United States, Asia, and the Middle East. His diverse abilities have allowed him to lead and manage all phases of planning, site design and construction on a variety of challenging projects. The result has been top quality implementation of rail transit facilities; living communities; amusement parks; office/ commercial/ institutional developments; and environmental resource preservation. He is well versed in leading multiple disciplines as a prime and a sub-consultant.

Jim has successfully directed projects for SANDAG, MTS, SCRRA, LA Metro, LAWA, Bob Hope Airport, LAUSD, VTA, CHSRA, BART, The Walt Disney Company, Fairfield Development, The Irvine Company, Army Corp of Engineers, LOSSAN, Playa Vista Capitol Company, numerous municipalities, and other major clients.

Experience

MTS Administration Building HVAC Replacement, SANDAG - San Diego, CA: Project Manager for replacement of the existing HVAC system and roofing. Prepared an analysis of the existing MTS Imperial Avenue Division (IAD) Facility Administration Building. After a detailed construction cost projection breakdown was prepared, the Agency's selected preferred action items from the estimate and drawings were produced involving architectural and MEP design disciplines. The existing roof, HVAC systems, and associated electrical systems and plumbing were replaced to upgrade the facility.

Silicon Valley Berryessa Extension (SVBX) Project, A Design-Build Contract, Milpitas & Berryessa Stations - San Jose, CA: Lead Landscape Architect. Prepared construction documents for lighting design, site work, and specs for a new BART station in Milpitas along with a 16-bus bay transit center, bike storage/bus operator's facility, and a pedestrian bridge connecting to the existing LRT station. In addition, drawings were prepared for several roadways. For the local Creek, a habitat mitigation restoration was implemented including removal of the concrete channel and widening of the stream, incorporating natural outfall structures and trails.

JIM KEENAN,
SITES AP, ASLA
(continued)

LAX'S Century Boulevard Gateway Project, Century Boulevard and Central Terminal Area, LAWA/Caltrans, LAX - Los Angeles, CA: Urban Designer and lead Landscape Architect / Principal for design and DSDC services, budgeting, research and analysis, placement of identity pylons, and coordinating the Century Boulevard landscape image to enhance the visitor entry to LAX. As part of the $112 million program, the project team developed enhancements along Sepulveda and Century Boulevards, and the Central Terminal Area, included 32-foot-high LAX letters, 100-foot-high light pylons, and enhancements including paving, planting, fencing, furnishing and landscape elements. Hanging planters were designed to wrap the upper roadway adjacent to all seven terminals.

Crenshaw/LAX Metro Rail Line, LACMTA - Los Angeles, CA: As the Lead site designer, Jim provided planning and design for eight new light rail stations proposed along an 8-1/2-mile track alignment through several culturally rich neighborhoods. He presented design concepts for the stations in a series of community workshops. He led a team responsible for the conceptual design, design development, specs and costs for site improvements along the entire corridor.

Vista Canyon Double Track Project - Santa Clarita, CA: Project Manager for station architecture, lighting, landscape, and Plumbing, and Electrical design for a new center platform station interfacing with a new specific plan. The scope of services includes canopies, platform, ramps and stairs, pedestrian underpass, entrance plaza, site lighting, and drainage. Project was awarded a Sustainable SITES certification.

Van Nuys North Platform Project, LACMTA - Los Angeles, CA: Design/ Project Manager for MEP design of a new center platform station serving both Metrolink and Amtrak. The commuter train line was changed from a single track to a double track resulting in the demolition of the existing single sided platform and addition of a new center platform accessed by stairs, ramps, and a tunnel. He produced drawings, calculations, and specifications to comply with codes, regulations, and standards.

Santa Clarita Via Princessa Park Project, City of Santa Clarita - Santa Clarita, CA: Project Manager for Architecture and MEP on a new neighborhood park with four soccer fields and play structures. As part of this project, AVA is providing new restroom facilities, designing a new pedestrian and vehicular underpass, and providing lighting and electrical engineering design for the overall project. EV Charging stations and new lighting for the existing station parking lot is being provided.

PETER SEE, PE

Senior Electrical Engineer – Anil Verma Associates, Inc.



Peter, a California Registered Electrical Engineer, has over 35 years of experience in the design, construction support of electrical systems. He has experienced in high and low-voltage electrical power systems, and effective team member, working closely and coordinating with other departments, agencies, and regulators.

REGISTRATION

CA/Professional Engineer/ Electrical/9713

AZ/Professional Engineer/ Electrical/19163

NV/Professional Engineer/ Electrical/007667

EDUCATION

1967/BS/Electrical Engineering/Mapua Institute of Technology/ Philippines

EXPERIENCE

With AVA for 2 months; with other firms for 36 years

Experience

Various Project City of Los Angeles, Bureau of Engineering, Bridge Improvement Program - Los Angeles, CA: Program Manager. Peter was responsible for delivering bridge improvement projects in agreement with the State of California and the Federal Government in charge of funding the bridge improvement within the City of Los Angeles. The Federal Government have tasked the City of Los Angeles to rehabilitate numerous bridges that are not in compliance with the latest bridge design criteria including but not limited to seismic criteria and height and width of the bridges. He was also in charged to negotiate the budget needed for each bridge and ensure that the City has adequate funds to match the budget needed. In addition to the design budget, he was also required to send the completed design for construction, review the Bid documents and award the contract. He also does the construction management of each bridge, negotiate change orders and issue changes to drawings. He report back to the state and Federal Government for additional funds that are required due to change order brought about by unforeseen condition which is common to an existing bridge that are going through rehabilitation. Some of the major bridges that was initiated during my tenure was the 6th Street Viaduct; and 1St street Bridge.

Hyperion Full Secondary Project - Playa Del Rey, CA: Senior Construction/ Electrical Engineer. As a Senior Construction Engineer, he was given the assignment to manage the Technical Support Group. This Group consist of 50 staff of varying discipline. The discipline was mechanical, electrical, civil, structural, plumbing and drafting. The Technical Support Group provides the technical needs of project managers in the construction of $2 billion Hyperion Full Secondary project. The Technical Support Group were in charge of reviewing shop drawing submittals from the contractor for compliance with the contract drawings. Issue plan clarifications requested by the contractor and issue change order documents when necessary.

PETER SEE, PE
(continued)

Santa Clarita Via Princessa Park Project, City of Santa Clarita - Santa Clarita, CA: Senior Electrical Engineer for site electrical engineering. The City of Santa Clarita is bringing a new neighborhood park to the city. A key part of this development is upgrading the existing Via Princessa Station along the Antelope Valley Line. As part of this project, Greg is providing lighting and electrical design for new restroom facilities, pedestrian and vehicular crossing, and for the overall project. EV Charging stations and new LED lighting for the existing parking lot are included.

Santa Clarita Sports Park RINK Sports Pavilion Project, City of Santa Clarita - Santa Clarita, CA: Electrical Engineer for a new sports facility within the city of Santa Clarita. The city is developing a roller-skating rink, spectator seating, lockers and event areas, basketball court, volleyball courts, pickleball courts, concession kitchen, restrooms, site features, security cameras, specialty lighting, and sound systems, Wifi, and a private DJ booth.

GREGORIO DEL ROSARIO

Senior Electrical Engineer/Lighting Design – Anil Verma Associates, Inc.



REGISTRATION

CA/Professional Engineer/ Electrical/9713

AZ/Professional Engineer/ Electrical/19163

NV/Professional Engineer/ Electrical/007667

EDUCATION

1966/BS/Electrical Engineering, Feati University, Manila, Philippines

EXPERIENCE

With AVA for 9 years; with other firms for 35 years

Gregorio has over 35 years of experience in electrical design. He has performed electrical/lighting design for stations, underpasses, plazas, hospitals, and other government facilities throughout his career. He verified electrical, control and communications rooms to assess the conditions of the spaces and the availability of existing conduits, and sources of normal and Uninterrupted Power Supply (UPS) required for the upgrade and replacement of five new escalators at the station and associated controls and communications. His expertise lies in the area of power distribution, lighting, instrumentation and control systems. He has worked on underground stations for LA Metro and BART. He works well with others and has delivered projects to clients successfully.

Experience

SANDAG, Metropolitan Transit System (MTS) Imperial Avenue Division (IAD) Roof and HVAC Equipment Replacement Project - San Diego, CA: Sr. Electrical Designer for SANDAG project with design and construction documents for the HVAC Replacement Project located at the MTS Headquarters Building in San Diego, CA. The project consists of replacement of several roof top units on a building constructed in the 1970s. Demolition drawings, HVAC and plumbing, electrical, architectural, and structural drawings were prepared to a 100% level of construction document completion and DSDC services were provided.

VTA, Silicon Valley Berryessa Extension (SVBX) Project-C700-Line, Stations, Wayside Facilities and Systems - San Jose, CA: Sr. Electrical Designer responsible for electrical drawings. AVA was responsible for managing the planning/design efforts of the Team; station area master plans, urban design & site development; architectural and engineering design concepts; art coordination and landscape design.

Santa Clarita Via Princessa Park Project, City of Santa Clarita - Santa Clarita, CA: Senior Electrical Designer for site electrical engineering. The City of Santa Clarita is bringing a new neighborhood park to the city. A key part of this development is upgrading the existing Via Princessa Station along the Antelope Valley Line. As part of this project, Greg is providing lighting and electrical design for new restroom facilities, pedestrian and vehicular crossing, and for the overall project. EV Charging stations and new LED lighting for the existing parking lot are included.

GREGORIO DEL ROSARIO (continued)

Metrolink Vista Canyon Double Track Project, City of Santa Clarita and SCRRA - Santa Clarita, CA: Sr. Electrical Designer responsible for the lighting design, power supply for communications, station apparatuses, and all other requirements necessary for a new Metrolink passenger center platform, pedestrian underpass, and entry plaza. Gregorio also produced load calculations and specifications to comply with codes, regulations, and Metrolink standards.

Van Nuys North Platform Project - City of Santa Clarita and SCRRA, CA: Sr. Electrical Designer responsible for the lighting design, power supply for communications, a new sump pump, station apparatuses, and all other requirements necessary for the renovation of the existing Van Nuys Metrolink passenger platform and entry plaza. Metrolink is proposing to change the commuter train line from a single track to a double track resulting in the demolition of the existing single sided platform and new design for a center platform accessed by stairs, ramps, and a tunnel. He also produced load calculations and specifications to comply with codes, regulations, and Metrolink standards.

Goleta Train Depot - City of Goleta, CA: Sr. Electrical Designer for a new train depot adjacent to an existing Amtrak facility. Greg is providing lighting and electrical design for the site and for a new 8,500 SF community facility including restrooms, café, and community spaces. He is also providing street lighting for a separate street improvement project with new bike lanes and leads to the new train depot.

DARLENE YELLOWHAIR, PE, PTOE, RSP2I, ENV SP

Traffic/ATP Planning – Psomas



REGISTRATION

2009/AZ/Professional Engineer/Civil/50215

2017/CA/Traffic Engineer/2827

2023/NV/Professional Engineer/Civil/031150

EDUCATION

2006/MS/Civil Engineering/Cornell University

2004/BS/Civil Engineering/University of Arizona

CERTIFICATIONS

Road Safety Professional, Level 2 Infrastructure/ Transportation Professional Certification Board Inc./123

Envision Sustainability Professional/Institute for Sustainable Infrastructure/

Professional Traffic Operations Engineer/ Transportation Professional Certification Board Inc./3123

LEED Accredited Professional/U.S. Green Building Council/

PROFESSIONAL AFFILIATIONS

Institute of Transportation Engineers

American Society of Civil Engineers

EXPERIENCE

With Psomas for 18 years

Darlene Yellowhair has extensive experience with a variety of traffic engineering projects, including traffic impact studies, traffic reports, safety studies, signal warrant studies, corridor studies, signal timing and coordination, benefit cost analysis, signing and striping design, and traffic signal design. She also has experience with design and studies for alternate modes of travel, Road Safety Assessments, transportation planning, and roadway design. Darlene is well-versed in Synchro, SimTraffic, HCS, SIDRA, and GIS, and has experience with AutoCAD, MicroStation, and InRoads.

Experience

Traffic Engineering Services for the Implementation of the LACMTA Purple Line Extension – Beverly Hills, CA: Traffic Engineer for providing various traffic engineering services associated with the underground construction of the Purple Line subway extension for Segments 1 and 2. Evaluated temporary condition along a major corridor during the construction of the Purple Line and developed updated signal timing and coordination plans. The study did not evaluate potential geometric improvements, but instead aimed to maximize efficiency of the signals given the temporary conditions. Obtained existing signal timing plans, and developed a Synchro model to evaluate the conditions, as well as various alternatives for signal timing and phasing changes.

Mt. San Antonio College, Transit Center – Walnut, CA: Lead Traffic Engineer for the conceptual and final design of a new Foothill Transit (FT) transit center on the Mt. San Antonio College Campus. The transit center which includes 10 bus bays designed with dedicated electrical equipment, including transformers and charger/controllers in anticipation of future electric bus charging stations. The transit center serves as a terminal destination for Mt. SAC students using mass transit, a transfer point for multiple FT routes, will provide layover facilities for FT buses, as well as including services for passengers such as bike parking, ticketing center, and bathrooms. The transit center is located on the north side of Temple Avenue just west of Bonita Drive and required construction of a new traffic signal to handle bus traffic. Psomas performed the traffic engineering study that forecasted traffic volumes, assessed traffic operations with and without the signal, and evaluated the applicable traffic signal warrants.

DARLENE YELLOWHAIR, PE, PTOE, RSP2I, ENV SP (continued)

Glendale Boulevard/Hyperion Avenue Complex of Bridges Traffic Study – Los Angeles, CA: Traffic Engineer in the collection, compilation, and development of a traffic studies for six bridges, including the Waverly Drive Bridge, that connect the communities of Atwater Village and Silver Lake. As the bridges cross the Los Angeles River, I-5 Freeway and Riverside Drive, they provide vital links for the communities. The completed traffic studies consist of existing and future vehicular, pedestrian and bicycle volumes, speed, median barrier, operational analysis, pedestrian crosswalk, and cross-section alternatives. Psomas also provided a speed study, analysis of potential median treatments, operational analyses of various alternatives, evaluation of pedestrian crossing location and traffic control, and an assessment of cross-sectional elements.

State Route 138 Southbound Off-Ramp at Palmdale Boulevard and Interchange Improvements – Palmdale, CA: Traffic Engineer responsible for providing preliminary engineering and final design services to the City of Palmdale for this highway interchange project. Services include the preparation of a Project Initiation Document (PID), including Project Study Report (PSR) and Project Development Support (PDS), PA&ED, includes preparation of draft project report (DPR), project report (PR), Design Standard Decision Document (DSDD), and PS&E. The purpose of the project is to improve levels of service by increasing capacity, reducing congestion, and improving overall operations and safety. The project involves utility relocation, drainage improvements, the design of signal upgrades, intersection modifications, and reconfiguration of the SR 138 (SR 14) on- and off-ramps at Palmdale Boulevard.

Parkwest Development IS/MND – Fullerton, CA: Traffic Engineer for this project, which involves the redevelopment of a 2.5-acre site with apartment units, hotel, retail, restaurant, a pedestrian bridge, and parking. The project is a multi-story development, ranging from 8 to 10 stories in height and proposes to: 1) construct apartments, a hotel, retail uses, and a roof-top restaurant; 2) demolish an existing parking structure and construct apartments; 3) reconfigure the surface parking lot in front of the Train Depot to provide better flow and parking; and 4) construct a pedestrian bridge over East Santa Fe Avenue connecting the new parking structure to the hotel and apartments.

CHASE LAWSON, PE, ENV SP

Project Engineer – Psomas



REGISTRATION

2019/CA/Professional Engineer/Civil/91694

EDUCATION

2026/ME/(expected) Master of Engineering/ San Diego State University, San Diego

2017/BS/Civil Engineering/San Diego State University, San Diego

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure/

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

EXPERIENCE

With Psomas for 4 years; with other firms for 3 years

Chase has seven years of experience in the private sector practicing land development, including both private and public development. This includes large residential subdivisions, multi-family and commercial, K-12 and higher education, parks, and transit-oriented development. As an Envision Sustainability Professional (ENV SP), Chase is passionate about applying sustainable practices within infrastructure and strives to include positive community impacts and enhance quality of life through his work.

Experience

Calexico Intermodal Transit Center – Calexico, CA: Project Engineer preparing both conceptual level plans and subsequent final construction documents in close coordination with subconsultants and stakeholders. The technical design included vehicle mobility analysis, stormwater mitigation, traffic calming in the public right of way, and site utility coordination. Psomas also prepared an MND for CEQA and a Categorical Exclusion for NEPA using a Preliminary Environmental Study (PES) and supporting technical studies including traffic, community impacts (business relocation), hazardous materials, historical building assessment, and visual impact assessment.

San Luis Land Port of Entry – San Luis, AZ: Project Engineer for the $228 million Design-Build project for modernization and expansion of the San Luis 1 Land Port of Entry in San Luis, Arizona. Existing site facilities will be renovated and expanded to reduce waiting times and increase capacity for pedestrians and cross-border vehicular travelers. The project includes both on-site and off-site design work site, utility, pavement, signal, demolition, and grading improvements. The team is coordinating design efforts through the U.S. General Services Administration (GSA) and is coordinating additional design submittals through the City of San Luis, Yuma County, and the US Bureau of Reclamation (USBR).

University of California San Diego, Erosion Repair and Parking Lot, Veterans Administration Medical Center – San Diego, CA: Project Engineer for civil engineering design, construction support and project management services for the development of a new 440-space campus parking lot, on a 6.5-acre site, located to the southeast of the existing Veterans Administration Medical Center. The project involves the import of approximately 100,000 cubic yards of earthwork to fill in a heavily eroded canyon, construction of stabilized fill slopes, and a compacted pad for the parking lot landscaping and re-vegetation of the Open Space Preserve

CHASE LAWSON, PE, ENV SP (continued)

Boundary. Psomas' scope of services include topographic surveying, substructure utility locating; signage and striping plans; grading, drainage and utilities plans; CEQA support documents; and design of sustainable stormwater strategies.

Carlsbad Veterans Park, Master Planning and Environmental Permitting Phase – Carlsbad, CA: Project Engineer for preparation of an IS/MND for a new 91.5-acre park. The developable area of the site was only 48 acres due to the presence of native vegetation preserves. Psomas provided civil engineering, environmental, and surveying services for the Project Master Planning Phase and environmental permitting to result in final design concepts and required permits and authorizations for improvements.

City of San Diego 5th Avenue Pedestrian Promenade Feasibility Study – San Diego, CA: Project Engineer to prepare and analyze alternatives to transform 5th Avenue into a pedestrian accessible promenade. The study identifies infrastructure upgrades needed to support each alternative including stormwater, accessibility, traffic and landscape improvements. Psomas provided existing condition base mapping, engineering and project management services to support the overall study, with subconsultants to support the landscape and project outreach components. Project included Stakeholder Group meeting facilitation, report and cost estimate development.

Abode Communities, La Veranda Apartments, Boyle Heights – Los Angeles, CA: Project Engineer provided civil engineering design and construction support services for this three-story building. The project comprised of 77 affordable apartment units on the second and third levels located over 8,000 SF of commercial space and ground level parking, and a new pedestrian bridge spanning the public alley that bisects the 2-acre site. Psomas provided grading; drainage; water, sewer and storm drain utilities; demolition; horizontal control; striping; and stormwater management services. The project also involved public street improvements within three adjacent streets as well as the public alley that bisects the 2-acre site. Additional services included Entitlements Support in the form of water and sewer availability research and stormwater management concepts.

TIM HENDERSON

Landscape Architecture/Irrigation Design - KTUA



REGISTRATION

2015/CA/Landscape Architect/6058

EDUCATION

1992/BS/Landscape Architecture/Texas A&M University

PROFESSIONAL AFFILIATIONS

American Society of Landscape Architects

EXPERIENCE

With KTUA for 21 years; with other firms for 10 years

As a Senior Associate with KTUA, Tim Henderson has experience with all phases of the design process from conceptual design through construction, on both small and large projects. He has coordinated large teams of engineering consultants and agency representatives and has participated in extensive quality control training. He has a demonstrated ability to effectively interface with diverse groups including client representatives, technical professionals, and interested stakeholders. He is highly organized while maintaining a strong orientation to detail/quality of work.

Experience

Southwestern College MTS Transit Station – Chula Vista, CA: Landscape architect/team leader for the site landscape at the Transit Center Facility. The transit facility features outdoor seating plaza with overhead shade element, drought tolerant/native species landscaping design with a water efficient weather based irrigation system, and stormwater treatment bio-swales.

SANDAG Mid-Coast Corridor Transit Project, UCSD Segment – La Jolla, CA: Project manager/landscape architect responsible for all landscape, bioswale and streetscape design concepts for the Pepper Canyon and Voigt Drive Stations on the UCSD campus. Responsible for coordinating with civil engineers, campus landscape architects, architects, structural engineers, SANDAG and UCSD.

Encinitas Coastal Rail Trail – Encinitas, CA: Project landscape architect for the design of a 1.3-mile segment of the Coastal Rail Trail. Responsible for developing landscape construction documents from the Santa Fe undercrossing south to Chesterfield Dr. The design includes trailside gathering areas, drought tolerant/native containerized planting at the trail perimeter, drainage bioswales to collect run-off in the parking areas and design of an efficient irrigation system for the plantings at the trailside.

SANDAG Rose Creek Bike Path Construction Documents – San Diego, CA: Landscape architect for the preparation of planting and irrigation plains, specifications, and cost estimates. The project includes an under-crossing of Interstate 5, a new pedestrian/bicycle bridge, and protected on-street cycle track. Path was adjacent to occupied riparian habitat.

NCTD Fuel Cell Electric Bus Station – Oceanside, CA: Senior landscape architect/team leader for the new site landscape at the North County Transit District West Division Bus Facility. The new site will contain a stormwater treatment basin/bio-swales with efficient irrigation and drought tolerant/native species.

JEFFREY KENT, PE, GE

Geotechnical Engineer – Ninyo & Moore



REGISTRATION

2007/CA/Professional Engineer / 66143

2009/CA/Geotechnical Engineer/2817

EDUCATION

2001/MS/Geotechnical Engineering/University of California, Los Angeles

2000/BS/Civil & Environmental Engineering/University of California, Los Angeles

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

EXPERIENCE

With Ninyo & Moore for 22 years

As a Principal Engineer, Mr. Kent coordinates and conducts geotechnical evaluations for commercial, educational, and public/municipal facilities, including schools, highways, railroads, pipelines, public and private buildings, and bridges; performs slope stability analyses, flexible and rigid pavement design, and underground pipeline design; and prepares and reviews geotechnical reports. He also provides geotechnical design parameters and recommendations for shallow and deep foundations, retaining structures, in-situ ground remediation and earthwork; reviews laboratory results and project plans and specifications; provides supervision and technical support to staff-level engineers and geologists; and performs project administration and management.

Experience

SANDAG Howard Avenue Bikeway Final Design - San Diego, California: Project Manager for a geotechnical evaluation for the Howard Avenue Bikeway project, which consists of approximately 1.2 miles of bikeway alignment along Howard Avenue from its intersection with Park Boulevard and continues east to its intersection with 32nd Street. The improvements along the alignment will include buffered bike lanes with neighborhood traffic circles, curb extensions, speed cushions, bend-outs, and other traffic calming measures. In addition to these improvements, Best Management Practices (BMP) design elements are included in the project to address storm water runoff. Services include a subsurface exploration program consisting of the coring of pavements and excavating of soil borings, field infiltration testing, geotechnical laboratory testing, and analyzing the data obtained. The information collected from our background review, subsurface exploration, and laboratory testing are used in the development of a report addressing the geotechnical aspects of the design and construction of the project for the various improvements including new pavements, new concrete flatwork, and infiltration devices.

SANDAG Imperial Avenue Bikeway - San Diego, California: Project Manager for a geotechnical evaluation for the Imperial Avenue Bikeway project, which consists of approximately 3.5 miles of bikeway alignment along Imperial Avenue from its intersection with 14th Street and continues east to its intersection with 47th Street. The improvements along the alignment will include buffered bike lanes, raised crosswalks, bend outs, curb extensions, and other traffic calming measures. As part of the bike lane improvements,

JEFFREY KENT, PE, GE (continued)

a retaining wall is planned for the north side of Imperial Avenue between Gilette Street and 36th Street. In addition to these improvements, Best Management Practices (BMP) design elements are included in the project to address storm water runoff. Services included a subsurface exploration program consisting of the coring of pavements and excavating of soil borings, field infiltration testing, geotechnical laboratory testing, and analysis of the data obtained. The information collected from our background review, subsurface exploration, and laboratory testing were used in the development of a report addressing the geotechnical aspects of the design and construction of the project for the various improvements including retaining walls, new pavements, new concrete flatwork, and infiltration devices.

Solana Beach Coaster Station Slope Restoration and Landscape Improvements - Solana Beach, California: Project Engineer during a geotechnical evaluation for the Solana Beach Coaster Station Slope Restoration and Landscape Improvements project in Solana Beach, California. The platform and rails were situated approximately 15 to 25 feet below adjacent street grades. The intent of the project was to provide improvements and protective measures to address existing erosion features and to provide mitigative measures to reduce the potential for future erosion. Services included preparation of a work plan and coordination with NCTD personnel prior to the performance of fieldwork, subsurface exploration, data compilation, and preparation of a report presenting our conclusions and recommendations.

City of Carlsbad, Lake Calavera Boardwalk Trail - Carlsbad, California: Project Manager during a geotechnical evaluation for the proposed Lake Calavera Boardwalk Trail project. The project consists of two pedestrian trail segments termed Creek Crossing and East Boardwalk Areas located south of Lake Boulevard and east to northeast of Lake Calavera. The project area is within a drainage that flows toward the west and feeds into Lake Calavera. The planned trail alignment consists of a dirt pathway within a generally undeveloped area with temporary wooden crossings/planks spanning sections of standing and running creek water of varying depths. Services included reviewing background information; performing a site reconnaissance to observe existing site conditions; excavating, logging, and sampling of six exploratory test pits along the planned alignments for the elevated trail platforms; performing geotechnical laboratory testing on representative samples; compiling and performing an engineering analysis of the data obtained; and preparing a geotechnical report providing our findings, conclusions, and geotechnical recommendations for the DP Foundation System.

RICHARD SULLIVAN, PLS

Survey/Mapping/Street Vacations – Psomas



REGISTRATION

2012/CA/Professional Land Surveyor/8957

EDUCATION

Coursework/ Completed Chief of Party Courses/Union Apprenticeship

Coursework/Surveying Courses/Rancho Santiago College

PROFESSIONAL AFFILIATIONS

California Land Surveyors Association

American Council of Engineering Companies, Coalition of Professional Surveyors - Chair Elect

EXPERIENCE

With Psomas for 20 years; with other firms for 4 years

Richard has 23 years of professional surveying experience including large-scale mapping and construction surveys (both single-site and multi-site). Throughout his years of experience, Richard has coordinated, managed, and supervised a multitude of projects that have included the services of ALTA surveys, construction staking, aerial photogrammetric mapping, utility surveys, boundary analysis, and preparation of maps and exhibits.

Experience

City of Beverly Hills, North Santa Monica Boulevard Reconstruction – Beverly Hills, CA: Survey Manager provided professional services for the reconstruction of North Santa Monica Boulevard (NSMB) from the eastern city limit with West Hollywood to the western city limit with Los Angeles. Improvements included the design of the corridor, storm drain infrastructure design, implementation of sustainable practices, the addition of bicycle lanes, urban design enhancements, and pedestrian improvements. Surveying services included developing a Design Survey Base Map that notes the centerline and resultant street rights of way of the various streets established from found monumentation along with mapping of the roadway and sidewalks.

California Department of General Services, Fairview Developmental Center – Costa Mesa, CA: Principal-in-Charge providing civil engineering and surveying services in support of DGS's evaluation of future uses of the facility. Scope of services included aerial topographic mapping, ALTA survey, record of survey, review of available record drawings, traffic studies, hydrology study, evaluation of projected demands and available capacity of existing facilities to serve them, and preparation of land use and infrastructure master plans. As part of the project, modeling of the proposed backbone domestic/fire and sanitary systems were completed. The sanitary sewer modeling used the Costa Mesa Sanitary District methodology.

South Park Walkability Project – Los Angeles, CA: Team Leader for developing a Design Survey Base Map that noted the centerline and resultant street rights of way of the various streets established from found monumentation along with mapping of the sidewalks. Mapping included the location of all surface visible improvements, including driveway approaches. The street right of way was based on Los Angeles County Assessor's Maps and/or underlying maps of record.

RICHARD SULLIVAN, PLS
(continued)

City of Los Angeles, Complete Streets Program (TOS 38), Survey Services – Los Angeles, CA: Team Leader in support of HNTB for PS&E preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements and rehabilitation of 22 miles of roadway. Meticulous planning and management were needed to coordinate with multiple design teams, disciplines, and City departments to achieve the City's goals, objectives, and aggressive schedule. Surveying services include developing a Design Survey Base Map that notes the centerline and resultant street rights of way of the various streets established from found monumentation. Mapping included location of all surface visible improvements, including utilities, driveways, curbs, flowlines, and ramps over 22 miles of roadway. The street centerlines were established by field survey and right of way was based on Los Angeles County Assessor's Maps and/or underlying maps of record.

City of Los Angeles, Glendale-Hyperion Complex of Bridges Improvement Project – Los Angeles, CA: Team Leader for the Project Report (PR) and Plans, Specifications, and Estimate (PS&E) for rehabilitation of this complex of six bridges. Improvements include widening the Glendale Boulevard bridges; realigning the I-5 northbound off- and on-ramps and Los Angeles River bike path; adding a median barrier on the Hyperion Avenue Viaduct, designing retaining walls, traffic signals, utility relocation, drainage system improvements, and infiltration basins; and improving pedestrian facilities including the Red Car pedestrian bridge and the Sunnynook pedestrian loop trail. The project involved coordination with various stakeholders and the use of various agency standards such as Caltrans, City of Los Angeles, FHWA, and AASHTO. Surveying services included scanning and the preparation of a conventional topographic survey, along with right of way establishment, utility mapping, and legal descriptions.

City of Pasadena, Cordova Street Complete Street Project – Pasadena, CA: Survey Manager for developing preliminary engineering design and ultimately final construction design PS&E for this complete streets project. The project will improve safety along Cordova Street with Class II bike lanes, bicycle detection, street resurfacing, pedestrian ADA accessibility upgrades, and water quality improvements.

ATTACHMENT B
NEGOTIATED FEE PROPOSAL

Work Order Estimate Summary

MTS Doc. No.	**PWL355.0-22**
Work Order No.	**WOA355-AE-42**
Attachment:	**B**

Work Order Title: **Beyer Boulevard Pathway Beautification**

Project No:

Table 1 - Cost Codes Summary (Costs & Hours)

Item	Cost Codes	Cost Codes Description	Total Costs
1		PROJECT MANAGEMENT	$40,113.14
2		DESIGN SERVICES	$109,713.94
		Totals =	**$149,827.08**

Table 2 - TASKS/WBS Summary (Costs & Hours)

Item	TASKS/WBS	TASKS/WBS Description	Labor Hrs	Total Costs
1		WORK ORDER MANAGEMENT	215.0	40,113.14
2		FIELD SURVEY AND GEOTECHNICAL ENGINEERING	226.0	44,038.92
3		DESIGN CONCEPT LAYOUT	452.0	65,675.02
4				
5				
		Totals =	**893.0**	**$149,827.08**

Table 3 - Consultant/Subconsultant Summary (Costs & Hours)

(If Applicable, Select One)				Consultant	Labor Hrs	Total Costs
DBE	DVBE	SBE	Other			
				Psomas	414.0	71,772.42
		X		KTU+A	230.0	26,340.78
X		X		Anil Verma + Associates	147.0	26,928.98
				Ninyo + Moore	102.0	24,784.90
				Totals =	**893.0**	**$149,827.08**

Work Order Estimate Summary

Consultant/Subconsultant: **PSOMAS/PSOMAS**

Total Hours = **414**

Total Costs = **$71,772.42**

Work Order Title: **Beyer Boulevard Pathway Beautification**

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Technical Expert	Engineer - Principal	Engineer - Senior	Task Manager	Engineer - 3	Contract Manager	Planner - Senior	Engineer - 2	Archeo - Senior	CADD-Senior	Admin-3	Surveyor-Senior	Field Technician Senior	Field Technician 3	Field Technician 2	Project Manager	Surveyor 2	Surveyor 3	Technical Expert (survey)	Total Hours	Totals
				$ 291.05	$ 255.65	$ 244.06	$ 226.58	$ 203.19	$ 183.25	$ 161.44	$ 155.89	$ 145.74	$ 135.79	$ 108.94	$ 189.19	$ 160.14	$ 133.65	$ 83.90	$ 225.30	$ 109.89	$139.95	$284.29		
1	**Task 1**	**WORK ORDER MANAGEMENT**																						
	1.1 Invoicing, Scheduling, Progress Report and Administration				6									8									14	$2,405.42
	1.2 Coordination with MTS and Project Stakeholders						18																18	$4,078.44
	1.3 Subconsultant oversight and submittal package assembly						16				16												32	$6,119.52
	1.4 QA/QC					14																	14	$3,416.84
	1.5 Meetings (8 with MTS, 8 design team coord.)				16		16				16												48	$10,209.92
	Subtotals (Hours) =		N/A		22	14	50				32			8									126	$26,230.14
	Subtotals (Costs) =				$5,624.30	$3,416.84	$11,329.00				$4,988.48			$871.52									**126**	**$26,230.14**
2	**Task 2**	**FIELD SURVEY AND GEOTECHNICAL ENGINEERING**																						
	2.1 Field Survey and consultant site visits				4		4						20	6		12	20		8		32		106	$16,173.84
	2.2 Geotechnical Engineering																							
	Subtotals (Hours) =		N/A		4		4						20	6		12	20		8		32		106	$16,173.84
	Subtotals (Costs) =				$1,022.60		$906.32						$2,715.80	$653.64		$1,921.68	$2,673.00		$1,802.40		$4,478.40		**106**	**$16,173.84**
3	**Task 3**	**DESIGN CONCEPT LAYOUT**																						
	3.1 Prepare 3 options, Summary Memos, Colored illustrative Plan (Opportunities and constraints, draft alternatives, final alternatives)						18				36		70										124	$19,195.78
	3.2 Cost Estimates						4				30												34	$5,583.02
	3.3 Three (3) public outreach meetings/workshops						12				12												24	$4,589.64
	Subtotals (Hours) =		N/A				34				78		70										182	$29,368.44
	Subtotals (Costs) =						$7,703.72				$12,159.42		$9,505.30										**182**	**$29,368.44**
	Totals (Summary) =													**Totals =**								Totals =	**414**	**$71,772.42**
	Total (Hours) =		N/A		26	14	88				110		90	14		12	20		8		32		414	
	Total (Costs) =				$6,646.90	$3,416.84	$19,939.04				$17,147.90		$12,221.10	$1,525.16		$1,921.68	$2,673.00		$1,802.40		$4,478.40			$71,772.42
	Percentage of Total (Hours) =		N/A		6%	3%					27%		0.2173913	0.03381643		0.02898551	0.04830918		0.019323671		0.077294686		79%	
	Percentage of Total (Costs) =				9%	5%					24%		0.17027571	0.02124995		0.02677463	0.03724272		0.02511271		0.062397227			57%

Work Order Estimate Summary

Consultant/ Subconsultant: **PSOMAS/PSOMAS**

Work Order Title: **Beyer Boulevard Pathway Beautification**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
				Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =	

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		**Totals =**	

Work Order Estimate Summary

Consultant/Subconsultant: **PSOMAS/KTUA**

Total Hours = **230**

Total Costs = **$26,340.78**

Work Order Title: **Beyer Boulevard Pathway Beautification**

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Designer-Senior $ 201.37	Designer-3 $ 147.15	Designer-2 $ 100.14	Designer-1 $ 84.77	Admin-2 $ 59.54							Total Hours	Totals
1	Task 1	WORK ORDER MANAGEMENT														
1.1		Landscape Architecture Project Management, Invoicing, Scheduling,		2	6	11									19	$2,387.18
1.2		Coordination with MTS and Project Stakeholders			5	5									10	$1,236.45
1.3		Subconsultant oversight and submittal package assembly			2	2									4	$494.58
1.4		QA/QC: three (3) Concept alternatives, two (2) Image precedence		1	2	2									5	$695.95
1.5a		Meetings - Bi-weekly: five (5) total			2	5									7	$795.00
1.5b		Meetings - Design Team Coordination: eight (8) total			2	8									10	$1,095.42
		Subtotals (Hours) =	N/A	3	19	33									55	$6,704.58
		Subtotals (Costs) =		$604.11	$2,795.85	$3,304.62									**55**	**$6,704.58**
2	Task 2	FIELD SURVEY AND GETOECHNICAL ENGINEERING														
2.1		Site Visit / Investigation: Photograph, Opportunities & constraints			2										2	$294.30
		2.2 Geotechnical Engineering														
		Subtotals (Hours) =	N/A		2										2	$294.30
		Subtotals (Costs) =			$294.30										**2**	**$294.30**
3	Task 3	DESIGN CONCEPT LAYOUT														
3.1a		Concept Alternative Layouts: three (3) design concept alternatives: three (3) rendered sheets with pros and cons.		4	10	54									68	$7,684.54
3.1b		Concept image precedence: two (2) boards/sheets		1	3	13									17	$1,944.64
3.1c		Photo simulations of the alternative concepts plan: three (3) simulations		1	11	58									70	$7,628.14
3.2		Conceptual estimate (Preferred Concept) one (1) matrix exhibit			3	3									6	$741.87
3.3		Three (3) workshops with Casa Familiar / MTS (in-person)			3	9									12	$1,342.71
		Subtotals (Hours) =	N/A	6	30	137									173	$19,341.90
		Subtotals (Costs) =		$1,208.22	$4,414.50	$13,719.18									**173**	**$19,341.90**

Totals (Summary) =					**Totals =**	**230**	**$26,340.78**
Total (Hours) =	N/A	9	51	170		230	
Total (Costs) =		$1,812.33	$7,504.65	$17,023.80			$26,340.78
Percentage of Total (Hours) =	N/A	4%	22%	74%		100%	
Percentage of Total (Costs) =		7%	28%	65%			100%

Work Order Estimate Summary

Consultant/ Subconsultant: **PSOMAS/KTUA**

Work Order Title: **Beyer Boulevard Pathway Beautification**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
			Subtotal =			Subtotal =		Subtotal =		Subtotal =		Subtotal =	

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		**Totals =**	

Work Order Estimate Summary

Consultant/Subconsultant: **PSOMAS/AVA**

Total Hours = **147**

Total Costs = **$26,928.98**

Work Order Title: **Beyer Boulevard Pathway Beautification**

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Architect - Principal	Engineer - Principal	Architect - Lead	Engineer - Senior	Planner - Senior	Architect - Senior	Architect - 3	Planner - 2				Total Hours	Totals
				$ 479.82	$ 378.22	$ 332.68	$ 266.14	$ 240.03	$ 228.05	$ 187.01	$ 156.14					
1	**Task 1**	**WORK ORDER MANAGEMENT**														
	1.1 Invoicing, Scheduling, Progress Report and Administration								2						2	$456.10
	1.2 Coordination with MTS and Project Stakeholders								4						4	$912.20
	1.3 Subconsultant oversight and submittal package assembly															
	1.4 QA/QC								8						8	$1,824.40
	1.5 Meetings								12		8				20	$3,985.72
		Subtotals (Hours) =	N/A						26		8				34	$7,178.42
		Subtotals (Costs) =							$5,929.30		$1,249.12				**34**	**$7,178.42**
2	**Task 2**	**FIELD SURVEY AND GEOTECHNICAL ENGINEERING**														
	2.1 Field Survey and consultant site visits															
	2.2 Geotechnical Engineering								4		12				16	
		Subtotals (Hours) =	N/A						4		12				16	
		Subtotals (Costs) =							$912.20		$1,873.68				**16**	**$2,785.88**
3	**Task 3**	**DESIGN CONCEPT LAYOUT**														
	3.1 Prepare 3 options, Summary Memos, Colored illustrative Plan								10		77				87	$14,303.28
	3.2 Cost Estimates						10								10	$2,661.40
	3.3 Three (3) public outreach meetings/workshops															
		Subtotals (Hours) =	N/A				10		10		77				97	$16,964.68
		Subtotals (Costs) =					$2,661.40		$2,280.50		$12,022.78				**97**	**$16,964.68**
		Totals (Summary) =												**Totals =**	**147**	**$26,928.98**
		Total (Hours) =	N/A				10		40		97				147	
		Total (Costs) =					$2,661.40		$9,122.00		$15,145.58					$24,143.10
		Percentage of Total (Hours) =	N/A						27%		66%				93%	
		Percentage of Total (Costs) =							34%		56%					90%

Work Order Estimate Summary

Consultant/ Subconsultant: **PSOMAS/AVA**

Work Order Title: **Beyer Boulevard Pathway Beautification**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
				Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =	

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		**Totals =**	

Work Order Estimate Summary

Consultant/Subconsultant: **PSOMAS/NINYO & MOORE**

Total Hours = **102**

Total Costs = **$24,784.90**

Work Order Title: **Beyer Boulevard Pathway Beautification**

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Engineer - Principal	Engineer - Senior	Environmentalist - Senior	Engineer - 3	Environmentalist - 3	CADD - Senior	Admin - Senior	Engineer - 2	Environmentalist - 2	Engineer - 1	CADD-3	CADD - 2	Admin - 3	Field Technician 2	Environmentalist - 1	CADD-1	Admin - 2	Field Technician - 1	Admin - 1	Total Hours	Totals
				$ 231.08	$ 182.78	$ 173.32	$ 155.72	$ 142.17	$ 135.19	$ 130.65	$ 126.37	$ 119.84	$ 105.19	$ 104.21	$ 99.28	$ 98.57	$ 95.98	$ 90.52	$ 90.12	$ 72.75	$ 64.97	$ 50.69		
1	**Task 1**	**WORK ORDER MANAGEMENT**																						
	1.1 Invoicing, Scheduling, Progress Report and Administration																							
	1.2 Coordination with MTS and Project Stakeholders																							
	1.3 Subconsultant oversight and submittal package assembly																							
	1.4 QA/QC																							
	1.5 Meetings																							
		Subtotals (Hours) =	N/A																					
		Subtotals (Costs) =																						
2	**Task 2**	**FIELD SURVEY AND GETOECHNICAL ENGINEERING**																						
	2.1 Field Survey and consultant site visits																							
	2.2 Geotechnical Engineering																							
	2.2.1 Geotechnical Services		$7,480.00	8	20						32			2		2							64	$17,433.64
	2.2.2 Environmental Services		$2,220.00			8		10				16		2		2							38	$7,351.26
		Subtotals (Hours) =	N/A	8	20	8		10			32	16		4		4							102	$24,784.90
		Subtotals (Costs) =	$9,700.00	$1,848.64	$3,655.60	$1,386.56		$1,421.70			$4,043.84	$1,917.44		$416.84		$394.28							**102**	**$24,784.90**
3	**Task 3**	**DESIGN CONCEPT LAYOUT**																						
	3.1 Prepare 3 options, Summary Memos, Colored illustrative Plan																							
	3.2 Cost Estimates																							
	3.3 Three (3) public outreach meetings/workshops																							
		Subtotals (Hours) =	N/A																					
		Subtotals (Costs) =																						

Totals (Summary) =									**Totals =**							Totals =	**102**	**$24,784.90**
Total (Hours) =	N/A	8	20	8	10	32	16	4	4								102	
Total (Costs) =	$9,700.00	$1,848.64	$3,655.60	$1,386.56	$1,421.70	$4,043.84	$1,917.44	$416.84	$394.28							#REF!	#REF!	$24,784.90
Percentage of Total (Hours) =	N/A	8%	20%	8%	10%	31%	16%	0.03921569	0.03921569									100%
Percentage of Total (Costs) =	39%	7%	15%	6%	6%	16%	8%	0.0168183	0.01590807							#REF!	#REF!	98%

Work Order Estimate Summary

Consultant/ Subconsultant: **PSOMAS/NINYO & MOORE**

Contract No: **#REF!**

Task Order No. **#REF!**

Work Order Title: **Beyer Boulevard Pathway Beautification**

Attachment: B

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Drilling Subcontractor (Borings)		$4,800.00			1	$4,800.00						
2	Utility Locator Subcontractor		$600.00			1	$600.00						
3	Field Vehicle Usage (Environ)		$15.00			8	$120.00						
4	Field Vehicle Usage (Geotech)		$15.00			12	$180.00						
5	Geotechncial Laboratory Test		$1,900.00			1	$1,900.00						
6	Analytical Testing		$350.00			6	$2,100.00						
7													
8													
9													
10													
				Subtotal =		Subtotal =	**$9,700.00**	Subtotal =		Subtotal =		Subtotal =	

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Drilling Subcontractor (Borings)											**1**	**$4,800.00**
2	Utility Locator Subcontractor											**1**	**$600.00**
3	Field Vehicle Usage (Environ)											**8**	**$120.00**
4	Field Vehicle Usage (Geotech)											**12**	**$180.00**
5	Geotechncial Laboratory Test											**1**	**$1,900.00**
6	Analytical Testing											**6**	**$2,100.00**
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		**Totals =**	**$9,700.00**

Metropolitan Transit System

April 17, 2025

MTS Doc. No. PWL355.0-22
Work Order No. WOA355-AE-42.02

Mrs. Sarah Curran, PE
Vice President
Psomas
401 B Street, Suite 1600
San Diego, CA 92101

Dear Mrs. Curran:

Subject: AMENDMENT NO. 2 TO WORK ORDER WOA355-AE-42 TO MTS DOC. NO. PWL355.0-22, DESIGN SERVICES FOR BEYER BLVD PATHWAY BEAUTIFICATION PROJECT

This letter shall serve as Amendment No. 2 to our agreement for Work Order WOA355-AE-42 to MTS Doc. No. PWL355.0-22, for professional services under the General Engineering Consultant Agreement, as further described below.

SCOPE OF SERVICES

This Amendment shall add Tasks 4 and 5 to the Scope of Services to provide 100% design services for the Beyer Blvd Pathway Beautification project (Attachment A).

SCHEDULE

As a result of this Amendment, the Schedule for this Work Order shall be for be increased by six (6) months. The revised Schedule shall be for a period of nine (9) months and sixteen (16) days from the date of the Notice to Proceed.

PAYMENT

This Amendment shall increase the Payment by $394,627.88 (Attachment B). The revised Payment shall be based on actual costs in the amount of $544,454.96. Payment shall not be exceeded, without prior authorization of MTS.

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Please sign below, and return the document to the Contracts Specialist at MTS. All other terms and conditions shall remain the same and in effect.

Sincerely,

Sharon Cooney
Chief Executive Officer

Accepted:

Sarah Curran, Vice President
Psomas

Date:

Attachments: A. Scope of Services
B. Negotiated Fee Proposal

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ATTACHMENT A
SCOPE OF SERVICES

DRAFT

TITLE: Beyer Boulevard Pathway Beautification – Plans, Specifications, and Estimates (PS&Es) **WOA #:** WOA355-AE-42.02

I. PROJECT DESCRIPTION

For this amendment, The San Diego Metropolitan Transit System, (referred to hereafter as "MTS") has selected Psomas to provide Consultant services for preparation of the Plans, Specifications, and Estimates package to support the improvements outlined during the concept phase of the Beyer Boulevard Pathway Beautification project. The proposed improvements include demolition of the existing pathway, pavements for pedestrian movements, energy-efficient lighting, drought-tolerant landscaping, and culturally appropriate public art. The project is receiving funding through the Clean California program.

II. SCOPE OF WORK

The scope of work shall consist of the following tasks and deliverables described below. The goal of the project is the continue the development studied as part of the Concepts phase.

TASK 1. PROJECT MANAGEMENT AND COORDINATION

1.1 Invoicing, Scheduling, Progress Report and Administration

Consultant shall provide project management services that will include monthly progress reports, invoicing and administration of the project. As part of this task the Consultant will be responsible to maintain schedule compliance of final deliverables for this task order. Work elements include:

- Provide project management services including the requirements for invoicing, scheduling, and monthly project progress reports.
- Develop and implement a project schedule to complete the Scope of Work and manage the project to eliminate or minimize supplemental agreements.
- Prepare monthly status reports and project schedules which are to be submitted with invoices. The status report must outline all activities for which charges have been made by the Consultant or sub-Consultants. The Consultant shall prepare a draft status report and submit it for approval prior to submitting the first invoice.

1.2 Subconsultant oversight and submittal package assembly

Consultant shall provide subconsultant oversight to maintain progress towards each design milestone. This includes collection of deliverables from each subconsultant and assembly into the overall submittal package to MTS. It is assumed there will be a draft and final submittal of the Design Criteria Package to MTS including one review cycle.

1.3 Quality Assurance and Quality Control

Provide QA/QC on all deliverables. To ensure quality of work and compliance with the scope of work, the Consultant shall perform a systematic in-house review of all documents produced prior to each milestone submittal. All reviewed documents shall have a check box or signature indicating a review has been performed.

1.4 Meetings

Arrange and facilitate Project Design Team (PDT) meetings, interagency meetings (if needed), field reviews, and other project-related meetings. The purpose of these meetings will

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be to review project status to ensure that the contract objectives and milestones are being achieved. To supplement these meetings, we will maintain on-going communications with MTS and agencies identified in this scope. Progress meetings with MTS staff will be held at monthly intervals.

Consultant shall prepare meeting agendas, meeting minutes, necessary supplemental materials, and meeting sign-in sheets for all meetings. For the purposes of this proposal, we have budgeted for:

- Bi-weekly PDT meetings for the assumed project duration (8 total)
- 4 meetings with the MTS Project Manager and PDT
- 4 additional meetings between MTS Project Manager and Psomas

TASK 4. SURVEY AND SITE ANALYSIS

4.1 Boundary Survey and Easement Analysis

Preparation of a boundary survey for San Diego County Assessor's Parcel No. 6381300400, based upon a field survey of existing monuments, available records from said county, and instruments disclosed by a title report. Boundary survey will be measured relative to NAD83 State Plane Coordinate System and delivered in hard copy (scaled plotted PDF) and digital drawing format (CAD dwg).

Utilizing completed boundary survey, consultant will analyze subject parcel for encumbrances of title as disclosed by a title report. Relationship of public uses relative to deeded parcel limits will be noted and measured should said uses appear to be in conflict with deeded bounds, existing dedications, and existing vacations. Easements of record will be plotted per instruments disclosed in said title report, if any, as well as any other plottable or blanket matters expressed therein.

It is understood that an alley adjacent to subject parcel is being considered for closure and/or vacation. Exhibits accessory thereto will be prepared upon direction from client, limited to a legal description of said alley and a conforming map depiction thereof. Should a record of survey be required in the event of discrepant findings or a need for clarifying documentation, such a document will be filed with the County Surveyor conforming to the standards of that office.

4.2 Infiltration Testing

Infiltration testing at 2 selected locations to support the stormwater quality treatment requirements in compliance with MTS MS4 permit.

TASK 5. Plans, Specifications, and Estimates (PS&Es)

5.1 Data Collection and Review

- Collect relevant and available as-builts from MTS and outside agencies required for the design. This may include record structural documents for the existing administrative building and as built utility information from MTS and project adjacent utility purveyors.
- Consultant shall review and evaluate collected information for the proposed work area, including available information and MTS design guidelines, local jurisdiction requirements, ADA standards and other pertinent information that may apply.
- Conduct initial site visits with MTS for review of project, confirmation of existing conditions, and examine existing environment, structures, and facilities.

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5.2 80% PS&E Documents

The following items will be provided within the 80% PS&E package:

- Civil & Structural Plans and Details
- Civil Reports, Calculations, and Specifications
- Hardscape / Site Amenities Plans, Irrigation Plans, Planting Plans, and Details
- Landscape / Irrigation Reports, Calculations, and Specifications
- Electrical / Data / Lighting Plans and Details
- Electrical / Data / Lighting Reports, Calculations, and Specifications

5.3 Coordination with Casa Familiar and Selected Artist

The design team will coordinate with Casa Familiar and the artists selected for the public art. The design plans will include infrastructure to support the public art. Community engagement, workshops, and coordination between the artists and MTS are excluded. It is assumed that any workshops or engagement sessions requested by the artists, Casa Familiar, or MTS will be organized, programmed, and managed by Casa Familiar. The design team assumes attendance at up to 1 workshop meeting for coordination purposes. The design team assumes no presentations as part of the workshop attendance.

Elements considered within the concept for detailing by the Design Team include up to two (2) gateway sculpture art pieces (one at each entry to the pathway) and up to two (2) low art walls for mural paintings. The design team will provide a foundation design for each sculpture as well as the design and detailing of concrete walls for murals.

5.4 City of San Diego Plan Submittal

It is assumed that a plan set for City of San Diego review and approval for permit will be required for irrigation needs of the project to obtain a new service connection. The Design Team will coordinate to prepare the required drawings and City of San Diego form DS-5852 Irrigation Meter Checklist for the irrigation water connection, including meter, backflow, and power controller, and calculations for submittal to the City of San Diego. It is assumed that the City of San Diego Plan Submittal will be made based on the 80% PS&E Documents. It is assumed the Consultant will respond to 1 round of City comments. Plan check fees have been estimated according to City of San Diego's online plan check fee estimate schedule 501D for plan check only. Capacity fees assessed by the City and construction, inspection, and meter fees are not included. It is assumed that MTS's selected Contractor will pull the construction permit and pay applicable permit construction and inspection fees.

5.5 100% PS&E Documents

The 80% PS&E Documents will be submitted to MTS for review and comment. Following receipt of the MTS review comments, the Design Team will incorporate comments and revise the PS&E documents for a 100% submittal.

5.6 Construction Cost Estimate

The Design Team will prepare an Engineer's Estimate of Probable Cost associated with the improvements outlined in the design plans. The cost estimate will be submitted at 80% and 100% PS&E Document milestones.

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III. DELIVERABLES

The schedule of deliverables is contingent upon receiving timely comments from MTS.

1. Monthly Progress Reports
2. Meeting Minutes
3. Boundary Survey
4. Infiltration Test Results
5. 80% PS&E Documents
6. City of San Diego Permit Submittal
7. 100% PS&E Documents

IV. SCHEDULE OF SERVICES/MILESTONES/DELIVERABLES

A. Tasks Schedule

Task	Begin/End Dates
Task 1: Project Management and Coordination	NTP + 4 months
Task 4: Survey and Site Analysis	NTP + 6 weeks
Task 5: Plans, Specifications, and Estimates	NTP + 4 months

B. Milestones/Deliverables Schedule

Milestone/Deliverable	Due Date
Monthly Progress Reports	Monthly
Survey	NTP + 6 weeks
80% PS&E Documents	NTP + 2 months
City of San Diego Plan Submittal	NTP + 10 weeks
MTS Review & Provide Comments of 80% PS&E Documents	NTP + 2.5 months
100% PS&E Documents	NTP + 4 months

V. MATERIALS TO BE PROVIDED BY MTS AND/OR THE OTHER AGENCY

A. Project documentation and background reports from prior work efforts to be used as basis of design.
B. Onsite fire flow and pressure tests

VI. ADDITIONAL INFORMATION

List additional information as applicable to the specific Work Order scope of services.

Assumptions:

- The governing code will be the 2021 IBC, 2022 CBC and related amendments.
- Conventional foundation system (spread footings at columns and continuous footings at bearing walls) is presumed to be adequate to support the proposed structure at the designated site.
- Existing structures will not require significant redesign.

Exclusions:

- Mechanical Plans
- Facility Electrical Plans
- Plumbing Plans

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- Fire Protection Plans
- Value Engineering
- Agency Coordination outside of that described in task 3.4.
- Designs for improvements to existing buildings
- Designs for pre-manufactured trusses
- Shoring design
- Designs for curtain wall and exterior prefabricated systems
- Designs of non-bearing exterior metal stud framing
- Methane Barrier or venting designs
- Designs for offsite improvements including utilities
- Environmental consulting services
- Preparation or processing of any plans or permits through any agency outside of that described in task 3.4.
- Construction staking
- Preparation of Hazardous Materials report
- Payment of any governmental fees, permits or assessments
- MTS or outside agency changes in program, schedule, Consultant team or redesign.
- Tenant Improvements
- Bidding and Construction Support
- Acoustical Engineering
- Tree report/arborist report
- CASp analysis and accessibility upgrades of existing facility NIC.
- Sustainability Certification Documentation
- Environmental Documentation
- Hydraulic analysis of existing facilities
- Services not described herein

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ATTACHMENT B
NEGOTIATED FEE PROPOSAL

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Work Order Estimate Summary

MTS Doc. No.	**PWL355.0-22**
Work Order No.	**WOA355-AE-42.02**
Attachment:	**B**

Work Order Title: **Beyer Boulevard Pathway Beautification - Plans, Specifications, and Estimates (PS&Es)**

Project No:

Table 1 - Cost Codes Summary (Costs & Hours)

Item	Cost Codes	Cost Codes Description	Total Costs
1		Project Management and Coordination	$38,721.82
2		Design Services	$355,906.06
		Totals =	**$ 394,627.88**

Table 2 - TASKS/WBS Summary (Costs & Hours)

Item	TASKS/WBS	TASKS/WBS Description	Labor Hrs	Total Costs
1	Task 1	Project Management and Coordination	191.0	$38,721.82
2	Task 4	Survey and Site Analysis	432.0	$60,288.48
3	Task 5	Plans, Specifications, and Estimates	1,811.0	$295,617.58
4				
5				
6				
7				
8				
9				
10				
		Totals =	**2,434.0**	**$ 394,627.88**

Table 3 - Consultant/Subconsultant Summary (Costs & Hours)

(If Applicable, Select One)				Consultant	Labor Hrs	Total Costs
DBE	DVBE	SBE	Other			
				Psomas	1,233.0	$224,314.22
x		x		Anil Verma	516.0	$ 91,194.86
				KTUA	619.0	$ 69,101.96
				Ninyo & Moore	66.0	$ 10,016.84
				Totals =	**2,434.0**	**$ 394,627.88**

Work Order Estimate Summary

Total Hours = **1,233**

Total Costs = **$224,314.22**

Consultant/Subconsultant: **PSOMAS/PSOMAS**

Work Order Title: **Beyer Boulevard Pathway Beautification - Plans, Specifications, and Estimates (PS&Es)**

Attachment: B

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Technical Expert	Engineer - Principal	Engineer - Senior	Task Manager	Engineer - 3	Contract Manager	Planner - Senior	Engineer - 2	Archeo - Senior	CADD-Senior	Admin-3	Surveyor-Senior	Field Technician Senior	Field Technician 3	Field Technician 2	Project Manager	Surveyor 2	Surveyor 3	Technical Expert (survey)	Total Hours	Totals
				$ 291.05	$ 255.65	$ 244.06	$ 226.58	$ 203.19	$ 183.25	$ 161.44	$ 155.89	$ 145.74	$ 135.79	$ 108.94	$ 189.19	$ 160.14	$ 133.65	$ 83.90	$ 225.30	$ 109.89	$139.95	$284.29		
1	**Task 1**	**Project Management and Coordination**																						
	1.1 Invoicing, Scheduling, Progress Report and Administration				2		12							6									20	$3,883.90
	1.2 Subconsultant oversight and submittal package assembly				2		16																18	$4,136.58
	1.3 QA/QC				8		10																18	$4,311.00
	1.4 Meetings				8	16	32																56	$13,200.72
		Subtotals (Hours) =	N/A		20	16	70							6									112	$25,532.20
		Subtotals (Costs) =			$5,113.00	$3,904.96	$15,860.60							$653.64									**112**	**$25,532.20**
2	**Task 4**	**Survey and Site Analysis**																						
	4.1 Boundary Survey and Easement Analysis					2	4							20	20	80			6	120	128		380	$52,620.44
	4.2 Infiltration Testing						4																4	$906.32
		Subtotals (Hours) =	N/A			2	8							20	20	80			6	120	128		384	$53,526.76
		Subtotals (Costs) =				$488.12	$1,812.64							$2,178.80	$3,783.80	$12,811.20			$1,351.80	$13,186.80	$17,913.60		**384**	**$53,526.76**
3	**Task 5**	**Plans, Specifications, and Estimates**																						
	5.1 Data Collection and Review			2		4	4	2					20	8									40	$6,458.36
	5.2 80% PS&E Documents			16	6	60	80	120					120										402	$79,638.30
	5.3 Coordination with Casa Familiar and Selected Artist				4		20																	
	5.4 City of San Diego Plan Submittal		$3,000.00			8	20						40										68	$14,915.68
	5.5 100% PS&E Documents			4	4	40	25	40					70										183	$35,246.60
	5.6 Construction Cost Estimate						8						12										20	$3,442.12
		Subtotals (Hours) =	N/A	22	14	112	157	162					262	8									713	$139,701.06
		Subtotals (Costs) =	$3,000.00	$6,403.10	$3,579.10	$27,334.72	$35,573.06	$32,916.78					$35,576.98	$871.52									**737**	**$145,255.26**

Totals (Summary) =								**Totals =**								Totals =	**1,233**	**$224,314.22**
Total (Hours) =	N/A	22	34	130	235	162		262	34	20	80		6	120	128		1209	
Total (Costs) =	$3,000.00	$6,403.10	$8,692.10	$31,727.80	$53,246.30	$32,916.78		$35,576.98	$3,703.96	$3,783.80	$12,811.20		$1,351.80	$13,186.80	$17,913.60			$218,760.02
Percentage of Total (Hours) =	N/A	2%	3%	11%		13%		0.21248986	0.02757502	0.0162206	0.0648824		0.00486618	0.0973236	0.103811841		81%	
Percentage of Total (Costs) =	1%	3%	4%	14%		15%		0.15860332	0.01651237	0.0168683	0.05711274		0.006026368	0.05878718	0.079859404			54%

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Work Order Estimate Summary

Consultant/ Subconsultant: **Psomas/Psomas**

Work Order Title: **Beyer Boulevard Pathway Beautification - Plans, Specifications, and Estimates (PS&Es)**

Attachment: **B**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	City of San Diego plan submittal plan check review fee							1	$3,000.00				
2													
3													
4													
5													
6													
7													
8													
9													
10													
			Subtotal =			Subtotal =		Subtotal =	**$3,000.00**	Subtotal =		Subtotal =	

TASKS/WBS (6-10)

ODC Item	Description	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Totals Quantity	Totals Total
1	City of San Diego plan submittal plan check review fee											**1**	**$3,000.00**
2													
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		**Totals =**	**$3,000.00**

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Work Order Estimate Summary

Consultant/Subconsultant: **PSOMAS/ANIL VERMA & ASSOCIATES**

Total Hours = **516**

Total Costs = **$91,194.86**

Work Order Title: **Beyer Boulevard Pathway Beautification - Plans, Specifications, and Estimates (PS&Es)**

Attachment: B

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Principal Architect	Architect - Lead (PM)	Architect-3 QA/QC	Architect - Senior (PM)	Architect-3 (Designer)	Planner-2 (Arch. CADD)	Engineer-Senior (Elect)	Planner-2 (Electric)	Planner-2 (MEP-CADD)	Planner-Senior (Estimator)	Planner-2 (Admin)									Total Hours	Totals
				$ 479.82	$ 332.68	$ 187.01	$ 228.05	$ 187.01	$ 156.14	$ 266.14	$ 156.14	$ 156.14	$ 240.03	$ 156.14										
1	**Task 1**	**Project Management and Coordination**																						
	1.1 Invoicing, Scheduling, Progress Report and Administration					8							4										12	$2,448.96
	1.2 Subconsultant oversight and submittal package assembly																							
	1.3 QA/QC																							
	1.4 Meetings (8 bi-weekly design team meetings, 1 MTS PM)	$140.00				12				4													16	$3,941.16
		Subtotals (Hours) =	N/A				20			4				4									28	$6,390.12
		Subtotals (Costs) =	$140.00				$4,561.00			$1,064.56				$624.56									**28**	**$6,390.12**
2	**Task 4**	**Survey and Site Analysis**																						
	4.1 Boundary Survey and Easement Analysis																							
	4.2 Infiltration Testing																							
		Subtotals (Hours) =	N/A																					
		Subtotals (Costs) =																						
3	**Task 5**	**Plans, Specifications, and Estimates**																						
	5.1 Data Collection and Review					4			4	12	8												28	$5,099.56
	5.2 80% PS&E Documents					12			30	64	160												266	$45,696.16
	5.3 Coordination with Casa Familiar and Selected Artist					2				2														
	5.4 City of San Diego Plan Submittal					4			8	16	40												68	$11,785.16
	5.5 100% PS&E Documents	$280.00				4			8	24	70												106	$17,998.48
	5.6 Construction Cost Estimate					4				4			8										16	$3,457.00
		Subtotals (Hours) =	N/A				30			50	122	278	8										484	$84,036.36
		Subtotals (Costs) =	$280.00				$6,841.50			$13,307.00	$19,049.08	$43,406.92	$1,920.24										**488**	**$84,804.74**

Totals (Summary) =													**Totals =**									Totals =	**516**	**$91,194.86**
Total (Hours) =	N/A			50			54	122	278	8	4												512	
Total (Costs) =	$420.00			$11,402.50			$14,371.56	$19,049.08	$43,406.92	$1,920.24	$624.56													$90,426.48
Percentage of Total (Hours) =	N/A						10%	24%	54%	0.01550388	0.00775194												90%	
Percentage of Total (Costs) =	0%						16%	21%	48%	0.02105645	0.00684863													87%

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Work Order Estimate Summary

Consultant/ Subconsultant: **Psomas/AVA**

Work Order Title: **Beyer Boulevard Pathway Beautification - Plans, Specifications, and Estimates (PS&Es)**

Attachment: **B**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Travel (Mileage)	1	$0.70	200	$140.00			400	$280.00				
2													
3													
4													
5													
6													
7													
8													
9													
10													
			Subtotal =		**$140.00**	Subtotal =		Subtotal =	**$280.00**	Subtotal =		Subtotal =	

TASKS/WBS (6-10)

ODC Item	Description	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Totals Quantity	Totals Total
1	Travel (Mileage)											**600**	**$420.00**
2													
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		**Totals =**	**$420.00**

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Work Order Estimate Summary

Consultant/Subconsultant: **PSOMAS/KTUA**

Total Hours = **619**

Total Costs = **$69,101.96**

Work Order Title: **Beyer Boulevard Pathway Beautification - Plans, Specifications, and Estimates (PS&Es)**

Attachment: B

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Admin-2	Designer-1	Designer-2	Designer-3	Designer-Senior						Total Hours	Totals
				$ 59.54	$ 84.77	$ 100.14	$ 147.15	$ 201.37							
1	**Task 1**	**Project Management and Coordination**													
	1.1 Invoicing, Scheduling, Progress Report and Administration					15	36							51	$6,799.50
	1.2 Subconsultant oversight and submittal package assembly														
	1.3 QA/QC														
	1.4 Meetings (8 bi-weekly design team meetings, 1 MTS PM)														
		Subtotals (Hours) =	N/A			15	36							51	$6,799.50
		Subtotals (Costs) =				$1,502.10	$5,297.40							**51**	**$6,799.50**
2	**Task 4**	**Survey and Site Analysis**													
	4.1 Boundary Survey and Easement Analysis														
	4.2 Infiltration Testing														
		Subtotals (Hours) =	N/A												
		Subtotals (Costs) =													
3	**Task 5**	**Plans, Specifications, and Estimates**													
	5.1 Data Collection and Review					1	6							7	$983.04
	5.2 80% PS&E Documents				65	189	68.5	5.5						328	$35,623.82
	5.3 Coordination with Casa Familiar and Selected Artist					8	8								
	5.4 City of San Diego Plan Submittal														
	5.5 100% PS&E Documents				40	128	35.5	5.5						209	$22,540.08
	5.6 Construction Cost Estimate						8							8	$1,177.20
		Subtotals (Hours) =	N/A		105	326	126	11						552	$60,324.14
		Subtotals (Costs) =			$8,900.85	$32,645.64	$18,540.90	$2,215.07						**568**	**$62,302.46**
	Totals (Summary) =												Totals =	**619**	**$69,101.96**
	Total (Hours) =		N/A		105	341	162	11						603	
	Total (Costs) =				$8,900.85	$34,147.74	$23,838.30	$2,215.07							$67,123.64
	Percentage of Total (Hours) =		N/A		17%	55%		2%						74%	
	Percentage of Total (Costs) =				13%	49%		3%							66%

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Work Order Estimate Summary

Consultant/ Subconsultant: **Psomas/KTUA**

Work Order Title: **Beyer Boulevard Pathway Beautification - Plans, Specifications, and Estimates (PS&Es)**

Attachment: **B**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
			Subtotal =			Subtotal =		Subtotal =		Subtotal =		Subtotal =	

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		**Totals =**	

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Work Order Estimate Summary

Consultant/Subconsultant: **PSOMAS/NINYO & MOORE**

Total Hours = **66**

Total Costs = **$10,016.84**

Work Order Title: **Beyer Boulevard Pathway Beautification - Plans, Specifications, and Estimates (PS&Es)**

Attachment: B

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Engineer - Principal	Geologist - Senior	Engineer - 3	Engineer - 2	Engineer - 1	Geologist -2	Geologist -1	Admin - 2	CADD - Senior	Technician - 1			Total Hours	Totals
				$ 231.08	$ 168.25	$ 155.72	$ 126.37	$ 105.19	$ 125.92	$ 95.45	$ 72.75	$ 135.19	$ 49.65				
1	**Task 1**	**Project Management and Coordination**															
	1.1 Invoicing, Scheduling, Progress Report and Administration																
	1.2 Subconsultant oversight and submittal package assembly																
	1.3 QA/QC																
	1.4 Meetings (8 bi-weekly design team meetings, 1 MTS PM)																
		Subtotals (Hours) =	N/A														
		Subtotals (Costs) =															
2	**Task 4**	**Survey and Site Analysis**															
	4.1 Boundary Survey and Easement Analysis																
	4.2 Infiltration Testing		$530.00	4	8		8		8	16	2	2					
		Subtotals (Hours) =	N/A	4	8		8		8	16	2	2					
		Subtotals (Costs) =	$530.00	$924.32	$1,346.00		$1,010.96		$1,007.36	$1,527.20	$145.50	$270.38				**48**	**$6,761.72**
3	**Task 5**	**Plans, Specifications, and Estimates**															
	5.1 Data Collection and Review			2		4										6	$1,085.04
	5.2 80% PS&E Documents			2		4										6	$1,085.04
	5.3 Coordination with Casa Familiar and Selected Artist																
	5.4 City of San Diego Plan Submittal																
	5.5 100% PS&E Documents			2		4										6	$1,085.04
	5.6 Construction Cost Estimate																
		Subtotals (Hours) =	N/A	6		12										18	$3,255.12
		Subtotals (Costs) =		$1,386.48		$1,868.64										**18**	**$3,255.12**

Totals (Summary) =												**Totals =**	Totals =		
Total (Hours) =	N/A	10	8	12	8		8	16	2	2				18	
Total (Costs) =	$530.00	$2,310.80	$1,346.00	$1,868.64	$1,010.96		$1,007.36	$1,527.20	$145.50	$270.38					$3,255.12
Percentage of Total (Hours) =	N/A	15%	12%	18%			12%	24%	3%	3%				88%	
Percentage of Total (Costs) =	5%	23%	13%	19%			10%	15%	1%	3%					90%

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Work Order Estimate Summary

Consultant/ Subconsultant: **Psomas/NINYO & MOORE**

Work Order Title: **Beyer Boulevard Pathway Beautification - Plans, Specifications, and Estimates (PS&Es)**

Attachment: **B**

TASKS/WBS (1-5)

ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Sieve Analysis	1	$145.00			2	$290.00						
2	Field Vehicle Usage	1	$15.00			16	$240.00						
3													
4													
5													
6													
7													
8													
9													
10													
			Subtotal =			Subtotal =	$530.00	Subtotal =		Subtotal =		Subtotal =	

TASKS/WBS (6-10)

ODC Item	Description											Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Sieve Analysis											2	$290.00
2	Field Vehicle Usage											16	$240.00
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Totals =	$530.00

DRAFT

Beyers Blvd Concept - Workshop 3

East Side View
Viendo hacia el este



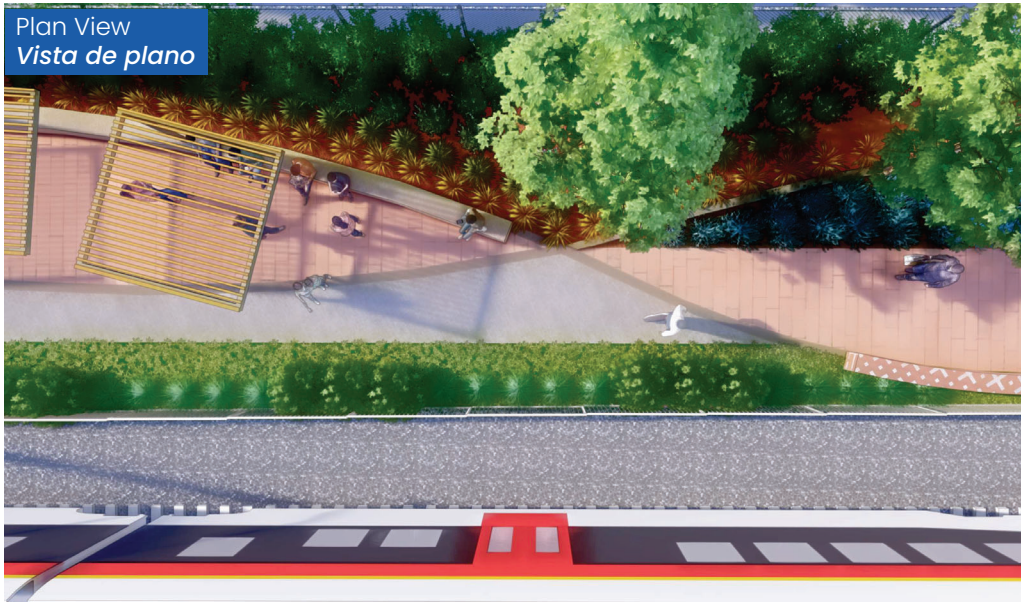
Cypress Drive Intersection
Intersección de Cypress Drive



West Side View
Vista hacia el oeste



Plan View
Vista de plano



The form of the gateway should have the same design language as the chosen concept Woven Travel. The gateway should give the users a sense of arrival, presence and should make the users happy as they pass it. The design should be relevant and have a purpose.

Placement of the gateway sculpture piece is assumed to be placed on a foundation at ground level within the landscaping. It is recommended that the gateway sculpture piece not overhang the walkway.

Gateway #1

The form/shape of the wall will complement the Woven Travel Concept by rising and falling in a wave motion (see sample photo to the right). Wall has a organic nature.

Art Wall #1
The wall is 27'-8" long and height can vary from 3' to 6.5' ft.



The form/shape of the wall will complement the Woven Travel Concept by rising and falling in a wave motion (see sample photo above). Wall has a organic nature.

Art Wall #2
The wall is 31'-10" long and height can vary from 3' to 6.5' ft.

The form of the gateway should have the same design language as the chosen concept Woven Travel. The gateway should give the users a sense of arrival, presence and should make the users happy as they pass it. The design should be relevant and have a purpose. Placement of the gateway sculpture piece is assumed to be placed on a foundation at ground level within the landscaping. It is recommended that the gateway sculpture piece not overhang the walkway.

Gateway #2



NORTH

0 10 20 40 60

SCALE: 1"= 20'