

1255 Imperial Avenue, Suite 1000 San Diego, CA 92101-7490 (619) 231-1466 • FAX (619) 234-3407

Agenda

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

June 10, 2021

Meeting will begin immediately after Audit Oversight Committee

Meeting will be held via webinar

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ACTION RECOMMENDED

- ROLL CALL
- 2. APPROVAL OF MINUTES May 6, 2021

Approve

PUBLIC COMMENTS

COMMITTEE DISCUSSION ITEMS

4. Quarterly Mid-Coast Corridor Transit Project Update (Ramon Ruelas of SANDAG)

Informational

Riverwalk Station Agreement (Karen Landers)

Approve

Action would forward a recommendation to the MTS Board of Directors 1) In compliance with CEQA Guidelines 15096: (a) independently review the environmental effects of the project as shown in Final Environmental Impact Report No. 581984/State Clearing House No. 2018041028 certified by the City of San Diego on November 17, 2021 (EIR), and find that none of the conditions described in CEQA Guidelines 15162 or 15163 exist as there has been no substantial change in the project, change in circumstances, or new

Please SILENCE electronics during the meeting



information regarding a new impact or significant increase in the severity of an environmental impact in the months since the EIR was certified so no subsequent or supplemental EIR is required; (b) independently review the CEQA Guidelines Section 15091 and 15093 findings for the Riverwalk EIR. incorporated by reference herein, and adopt the findings as its own; (c) consider the EIR as prepared by the City; (d) find that, consistent with the CEQA Guidelines Section 15091 and 15093 findings, there are no feasible alternatives or feasible mitigation measures within MTS's powers that would substantially lessen or avoid any significant effect the project would have on the environment; and (e) order MTS staff to file a notice of determination. 2) Authorize the Chief Executive Officer (CEO) to execute the Riverwalk Station Agreement, in substantially the same format as Attachment A (Agreement), and effectuate the property rights transfers set forth therein. 3) Declare the Triangle Parcel (Exhibit I to the Agreement) and the Fashion Valley Road Dedication Parcel (Exhibit H to the Agreement) to be "Exempt Surplus Land" pursuant to Government Code section 54221(f)(1)(C), (D), and

6. CLOSED SESSION - PUBLIC EMPLOYEE PERFORMANCE EVALUATION/
CONFERENCE WITH LABOR NEGOTIATORS – CHIEF EXECUTIVE
OFFICER Pursuant to California Government Code Sections 54957 and
54957.6:

Possible Action

<u>Agency-Designated Representative: Nathan Fletcher, Chair</u> Employee: Sharon Cooney, CEO

OTHER ITEMS

- 7. REVIEW OF DRAFT June 17, 2021 MTS BOARD AGENDA
- 8. OTHER STAFF COMMUNICATIONS AND BUSINESS
- 9. COMMITTEE MEMBER COMMUNICATIONS AND OTHER BUSINESS
- 10. NEXT MEETING DATE: July 15, 2021
- 11. ADJOURNMENT

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

1255 Imperial Avenue, Suite 1000 San Diego, CA 92101

MINUTES

May 6, 2021

[Clerk's note: Except where noted, public, staff and board member comments are paraphrased. Note that the meeting was conducted via webinar to comply with public health orders].

1. Roll Call

Chair Fletcher called the Executive Committee meeting to order at 9:07 a.m. A roll call sheet listing Executive Committee member attendance is attached.

2. Approval of Minutes

Vice Chair Sotelo-Solis moved to approve the minutes of the March 4, 2021, MTS Executive Committee meeting. Board Member Sandke seconded the motion, and the vote was 5 to 0 in favor with Board Member Elo-Rivera and Board Member Salas absent.

3. Public Comments

There were no Public Comments.

COMMITTEE DISCUSSION ITEMS

4. <u>Amendments to County and MTS Sublease (Mills Building) (Karen Landers)</u>

Karen Landers, MTS General Counsel, presented on amendments to the County and MTS Sublease of the Mills Building. She outlined the history of the agreement, proposed sublease amendments and MTS cost impacts.

Vice Chair Sotelo-Solis asked about the analysis related to the increase of annual operating costs. She was particularly concerned about energy savings fixtures or retrofits that could allow the agency to lower its cost impact.

Ms. Landers explained the building has various energy efficiency retrofits maintained by Colliers, the property management company. The majority of the operating budget accounts for building management along with the utilities and capital programs, which maintain and refresh the building.

Vice Chair Sotelo-Solis asked if the budget presented indicated the overall operating cost.

Ms. Landers explained the budget presented indicates the increased cost to MTS with the 8th floor transfer.

Board Member Sandke asked about the additional space needed to support operations. He asked if the investment in obtaining the 8th floor matched the needs of the agency.

Sharon Cooney, MTS Chief Executive Officer, stated that the 8th floor would support the staff that coordinates PRONTO, Mid-Coast and additional future expansions of the system.

Action Taken

Chair Fletcher moved to forward a recommendation to the Board of Directors to authorize the Chief Executive Officer (CEO) to execute an Amendment to Sublease between MTS and the County of San Diego (County) related to the Mills Building located at 1255 Imperial Avenue in

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San Diego, in substantially the same format as Attachment A. Board Member Hall seconded the motion, and the vote was 5 to 0 in favor with Board Member Elo-Rivera and Board Member Salas absent.

5. Gaslamp Square Advertising Opportunity (Rob Schupp)

Rob Schupp, MTS Director of Marketing and Communications, presented on the Gaslamp Square advertising opportunity. He outlined the Gaslamp square overview, Comic-Con activation, design, project benefits and next steps.

Board Member Sandke was concerned about stakeholder outreach. He asked if the advertising structure would have audio functionality. He noted audio may be needed to broadcast emergency alerts.

Mr. Schupp confirmed the advertisement structure did not have a sound system to support audio broadcasting.

Vice Chair Sotelo-Solis asked about the potential electrical work that would be done on the project. She commented about the skilled labor workforce requirements.

Board Member Hall voiced concern that the light from the advertisement screen would disturb residents living nearby.

PUBLIC COMMENT

Gretchen Newsom – Representing the IBEW 569 supported the development of the project and is eager for a skilled and trained workforce to help develop and build this project.

Action Taken

No action taken.

6. Policy 18 – Joint Development Program Status (Tim Allison)

Tim Alison, MTS Manager of Real Estate Assets, and Karen Landers presented on Policy 18 – Joint Development Program status. They outlined the following items: previous Policy 18 changes; Morena Vista development; Smart Corner; Grossmont Trolley Station; Villa Encantada; development locations in the City of San Diego, City of National City, City of Chula Vista, and development locations in East County; AB 1486 noticing requirements; E Street Trolley Station; 12th & Imperial Transit Center; Grantville Trolley Station; Palm Avenue Station; Beyer Boulevard Trolley Station and Rancho Bernardo Transit Center; El Cajon Transit Center; City of La Mesa TOD feasibility study; Spring Street Station; Amaya Drive Station; 24th Street Trolley Station; Palomar Trolley Station; H Street Trolley Station; Riverwalk property; and the Mid-Coast – Clairemont Drive Trolley Station.

Ms. Cooney spoke on the 12th and Imperial Transit Center and noted this location is the largest transfer point in the system. She noted the main focus of the development is the transit center, ahead of a development deal.

Chair Fletcher asked staff to discuss the reasons for the lack of bidder interest in this site. He also asked for staff to explain the entitlement process for this development.

Mr. Allison noted that Greystar was the most likely candidate and did not place a bid, because they already had too much entitlement under construction. He continued that this project also

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had more risk associated with it as it was on public land. He noted the affordable housing developers cited the project was too large, along with additional ground leasing complications. He assured the Board he was optimistic to move the project forward.

Chair Fletcher asked for staff to list the number of units for the site.

Mr. Allison hoped to incorporate 1,000 units, including an office expansion.

Board Member Sandke noted the importance of the development, but noted the main priority of the project should be the region's transit needs. He encouraged this project to be reimagined as a mobility hub rather than a transit center. He noted this would be an opportunity for the agency to create a mobility hub model for the region.

Ms. Landers noted that if the agency does move forward with the development of the transit center first, it will not preclude private housing development on top of the site. Doing so may reduce developer hesitation about transit center expansion costs and thus expand the pool of interested housing developers.

Ms. Cooney commented on the Clairemont Drive site and noted it as a critical access entryway to the nearby communities in Clairemont. She discussed concerns about the ability to access the site with an automobile and also noted bus accessibility limitations. She stated that the delay of this development could impact transit accessibility.

Vice Chair Sotelo-Solis commended MTS for its long-term thinking and encouraged thinking about the development sites as transit hubs. She asked about a 24th Street Trolley Station pathway that would run over the freeway that would allow the city to develop on both sides of the station. She asked staff if developers had any thoughts about the suggestion.

Mr. Allison noted he had not heard about this particular proposal.

Board Member Sandke noted that the agency is involved in the service of transporting people as opposed to housing. He asked about revenue estimates in ground leases to assist with a long-term income stream.

Ms. Cooney noted that due to changes in Policy 18, establishing revenue generating ground leases were not a priority objective of the policy.

Mr. Sandke commended the agency to be an exemplary partner in the development of housing in the region. He noted however that facilitating an efficient transit system should remain the focus of the region.

Action Taken

Informational item only. No action taken.

7. Report on Activities Related to COVID-19 (Sharon Cooney)

Sharon Cooney, MTS Chief Executive Officer, reported on activities related to COVID-19. She outlined the following information: COVID-19 response measures, passenger safety/confidence measures, ridership level results, passenger survey results, employee safety/confidence measures, and next steps.

Chair Fletcher commended MTS staff in their efforts throughout the pandemic and the leadership ability to quickly adapt.

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Board Member Aguirre gave her condolences for the lives lost of MTS employees and commended MTS staff for their effort and dedication to keeping the system moving during extraordinary times.

OTHER ITEMS

8. REVIEW OF DRAFT May 13, 2021 BOARD AGENDA

Recommended Consent Items

- 6. Title VI Triennial Program Update Submittal
 - Action would adopt Resolution No. 21-6 approving the Title VI Program, including the plans, notices, records, maps, and data that demonstrate MTS's compliance with requirements of Title VI of the Civil Rights Act of 1964 (Title VI), for submittal to the Federal Transit Administration (FTA).
- 7. California Department of Transportation (Caltrans) Program of Projects for Federal Fiscal Year (FFY) 2021 Federal Transit Administration (FTA) Section 5311 Formula Funding Action would approve Resolution No. 21-7 authorizing the use of and application for \$207,000 of FFY 2021 Section 5311 funds for operating assistance in rural areas.
- 8. <u>California Department of Transportation (Caltrans) Program of Projects for Federal Fiscal Year (FFY) 2021 Federal Transit Administration (FTA) Intercity Bus Program 5311(f) Competitive Funding</u>

Action would approve Resolution No. 21-8 authorizing the use of and application for \$300,000 of FFY 2021 Section 5311 (f) – competitive funding for operating assistance in non-urbanized areas.

9. <u>Heliox Technology, Inc (Heliox) Fast Dc 180 kW High Powered Electric Chargers (HPC) Chargers – Sole Source Award</u>

Action would authorize the Chief Executive Officer (CEO) to issue a Purchase Order to Heliox for eight (8) Fast DC 180 kW Electric Chargers, and twenty-four (24) overhead inverted pantographs through a sole source procurement in the amount of \$1,275,595.50.

- 10. Investment Report Quarter Ending March 31, 2021
- Las Chollas Bridge Repair Contract Award
 authorize the Chief Executive Officer (CEO) to execute PWL334.0-21, with Blue Pacific
 Engineering and Construction, a Small Business (SB), for the Las Chollas Bridge Repair in
 the amount of \$623,100.00 plus 20% contingency.
- 12. On-Call Electrical Repair Services Contract Award
 Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No.
 PWG330.0-21, with ACM Artistic Neon, Inc., dba ACM Lighting Services (ACM), a
 Disadvantaged Business Enterprise (DBE), for on-call electrical repair services for a period
 of one (1) base year and an additional two (2) option years for a total contract value of
 \$227,414.04.

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13. <u>Copley Park Division (CPD) Maintenance Shop Flooring Rehabilitation – Work Order</u> Agreement

Action would authorize the Chief Executive Officer (CEO) to execute Work Order MTSJOC275-19 under Job Order Contract (JOC) to MTS Doc. No. PWG275.0-19, with ABC Construction Co., Inc. (ABC), in the amount of \$131,013.55 for the rehabilitation to the maintenance shop flooring at the CPD.

14. Portable Toilet Services – Contract Award

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. G2452.0-21 with United Site Services of California, Inc., for portable toilet services, for three (3) base years with two (2) option years, for a total of five (5) years effective July 1, 2021, at a cost of \$840,462.29.

Pest Control Services – Contract Award

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. G2454.0-21, with Pestmaster Services, L.P., a Small Business (SB), for pest control services totaling \$277,865.24 for five (5) years effective June 8, 2021.

16. Bus Subcomponents – Contract Awards

Action would authorize the Chief Executive Officer (CEO):1) Execute MTS Doc. No. B0731.0-21, with Mohawk Manufacturing & Supply (Mohawk), in the amount of \$166,134.17 plus 20% contingency for the provision of bus brake and planetary kits, and air brake parts for a five-year term; and 2) Execute MTS Doc. No. B0732.0-21, with Vehicle Maintenance Program [a Women's Business Enterprise (WBE)], in the amount of \$118,811.83 plus 20% contingency for the provision of and disc brake parts for a five-year contract term.

17. <u>Payment Card Industry Data Security Standards (PCI-DSS) Professional Consulting Services – Contract Award</u>

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. G2444.0-21, with CampusGuard LLC, for the PCI-DSS Professional Consultancy Services for a three (3) year base term with two (2) one-year options in the amount of \$684,000.00.

18. <u>Communication Equipment Heating Ventilation Air Conditioning (HVAC) Maintenance</u> Services – Amendment

Action would: 1) Ratify Amendments 1-3, 5 and 6 (4 was not used) under MTS Doc. No. PWG225.0-17 (Attachments B – F) with Comfort Mechanical, a Small Business (SB), for a total of \$98,919.00; and 2) Authorize the Chief Executive Officer (CEO) to exercise Amendment 7, inclusive of option years 3 and 4, and increase the number of locations for the additional Mid-Coast stations under MTS Doc. No. PWG225.7-17 with Comfort Mechanical for a total of \$98,948.50.

19. Amendments to County and MTS Sublease (Mills Building)

Action would authorize the Chief Executive Officer (CEO) to execute an Amendment to Sublease between MTS and the County of San Diego (County) related to the Mills Building located at 1255 Imperial Avenue in San Diego, in substantially the same format as Attachment A.

Executive Committee Meeting – MINUTES May 6, 2021

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9. Committee Member Communications and Other Business

Julia Tuer, MTS Manager of Government Affairs, briefly discussed the items on the SANDAG joint meeting between the Transpiration, Regional Planning, and Borders Committees meeting agenda. The items included the following: remote working in the region along with the 2021 Regional Social Equity report.

10. Next Meeting Date

The next Executive Committee is scheduled for June 10, 2021, at 9:00 a.m. [Clerk's Note: the Audit Oversight Committee will be held prior to the Executive Committee meeting on June 10, 2021.]

11. Adjournment

Chair Fletcher adjourned the meeting at 10:42 a.m.

/S/ Nathan Fletcher

Chairperson

San Diego Metropolitan Transit System

Attachment: Roll Call Sheet

SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

ROLL CALL

MEETING OF (DAT	May 6, 2021			CALL TO ORDER (TIME): 9:07am					
RECESS:					RECONVENE:				
CLOSED SESSION		R	RECONVENE:						
PUBLIC HEARING		R	RECONVENE:						
ORDINANCES ADOPTED:					ADJOURN:			10:42am	
	Г								1
REPRESENTAT IVE	BOARD MEMBER			(Alternate)			PRESENT (TIME ARRIVED)		ABSENT (TIME LEFT)
County	FLETCHER (Chair)		\boxtimes	(Vargas)	argas)		9:07am		10:42am
Vice Chair	SOTELO-SOLIS		\boxtimes	(no alternate)			9:07am		10:42am
City of San Diego	ELO-RIVERA			(Montgome Steppe)					
East County	GASTIL			(Hall)		\boxtimes	9:07am		10:42am
SANDAG Transportation Committee	MONTGOMERY STEPPE			(Aguirre))	\boxtimes	9:07am		10:42am
Chair Pro Tem	SALAS			(no alterna	te)				
South Bay	SAND	OKE	\boxtimes	(Aguirre))		9:	07am	10:42am
SIGNED BY THE	CLERK OF	THE BO	DARE	D:			/S/ Dali	a Gonzalez	Z

IN - MEETING PUBLIC COMMENT

Michelle Krug provided a live public comment for agenda item #3. Krug's statement will be reflected in the minutes.



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Agenda Item No. 4

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

June 10, 2021

SUBJECT:

QUARTERLY MID-COAST CORRIDOR TRANSIT PROJECT UPDATE (RAMON RUELAS OF SANDAG)

INFORMATIONAL ONLY

Budget Impact

None.

DISCUSSION:

The Mid-Coast Corridor Transit Project is being developed by the San Diego Association of Governments (SANDAG) with MTS's assistance. The Mid-Coast Project will extend Trolley service from Old Town Transit Center to the University City community, serving major activity centers such as the Veterans Administration Medical Center, the University of California San Diego, and Westfield UTC. The project is funded by SANDAG and the Federal Transit Administration New Starts Program. SANDAG staff will provide an update on the project.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, <u>Julia.Tuer@sdmts.com</u>





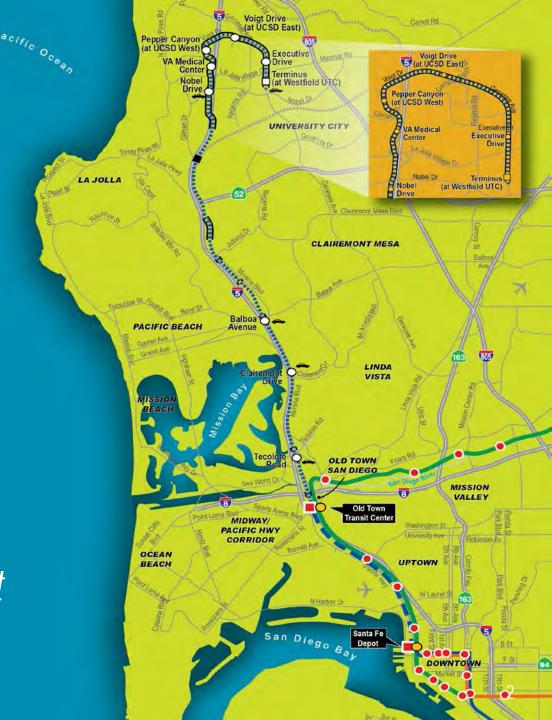
MTS Executive Committee | June 10, 2021





PROJECT OVERVIEW

- 11-mile extension of the UC San Diego Blue Line Trolley
- One seat ride from US-Mexico Border to University Community
- Nine new stations, five with parking
- 36 new Trolley cars
- \$2.1 billion project, funded by *TransNet* and Federal Transit Administration



CONNECTING THE REGION

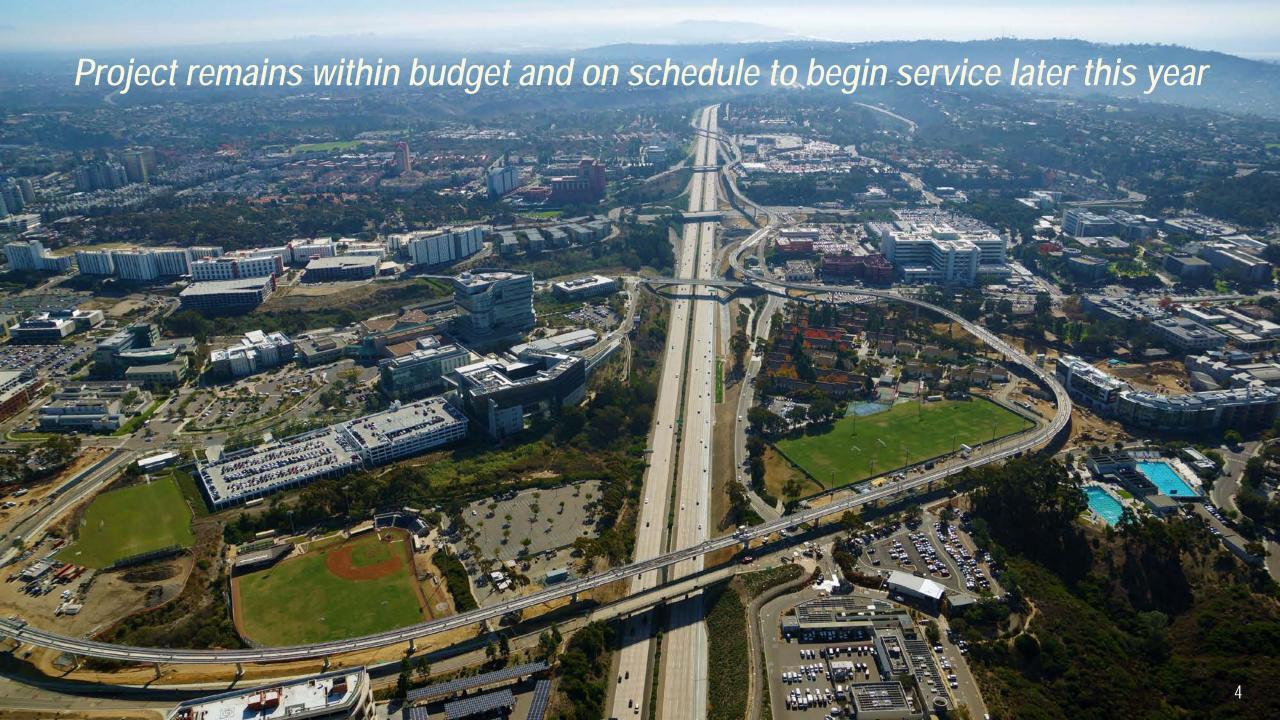






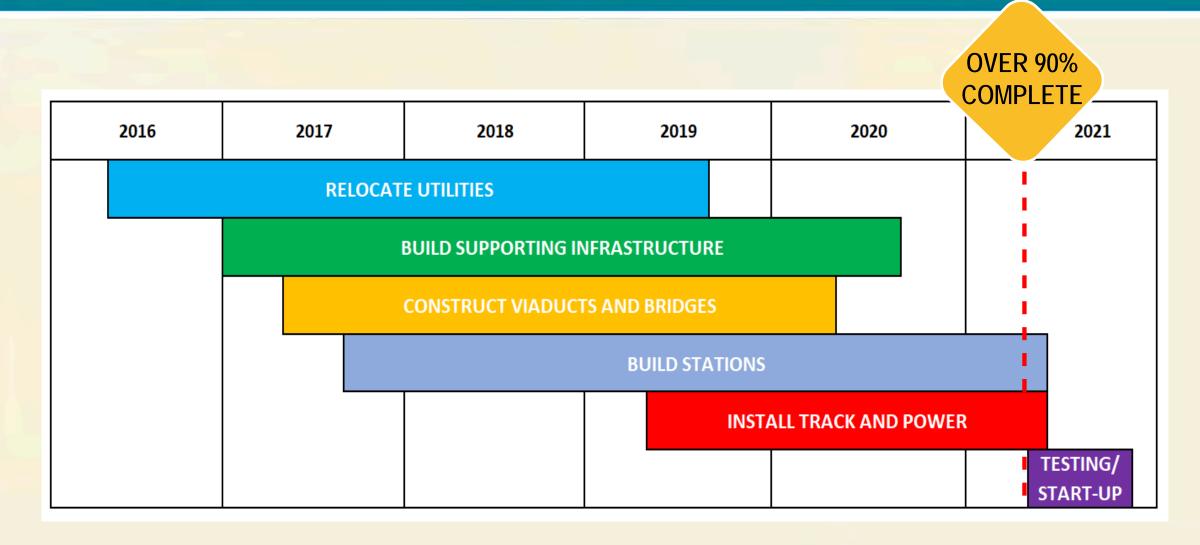






CONSTRUCTION SCHEDULE













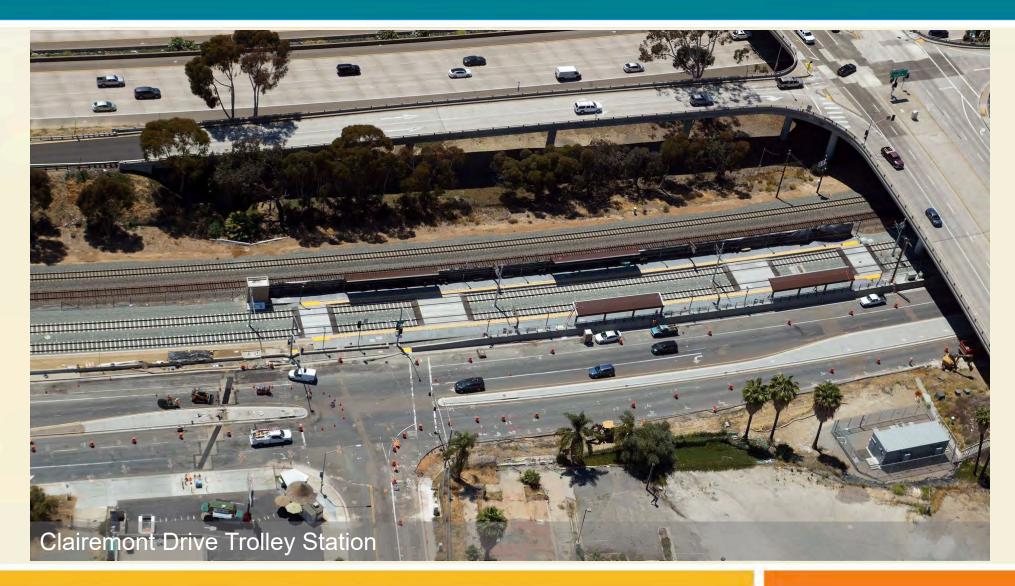












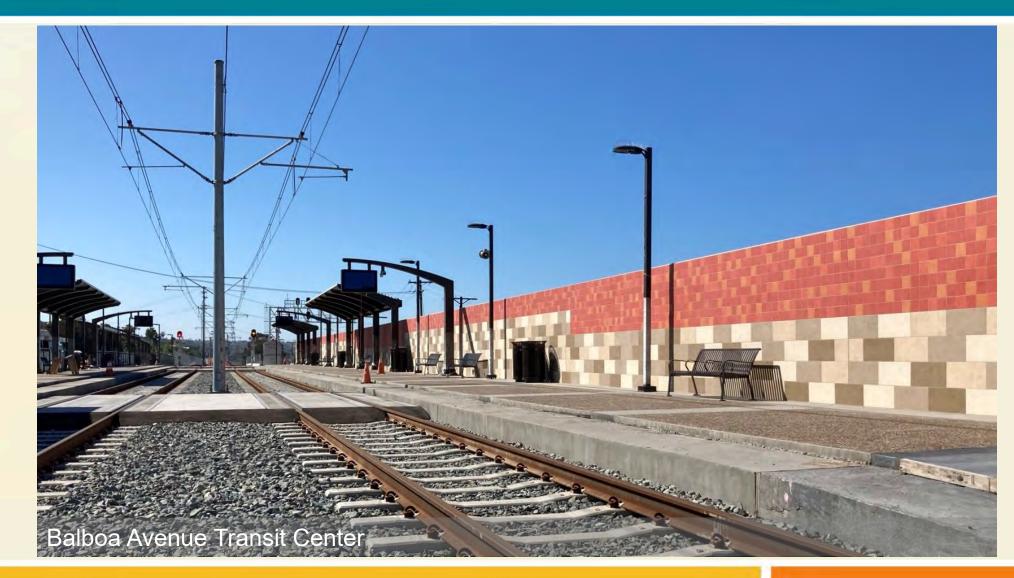
















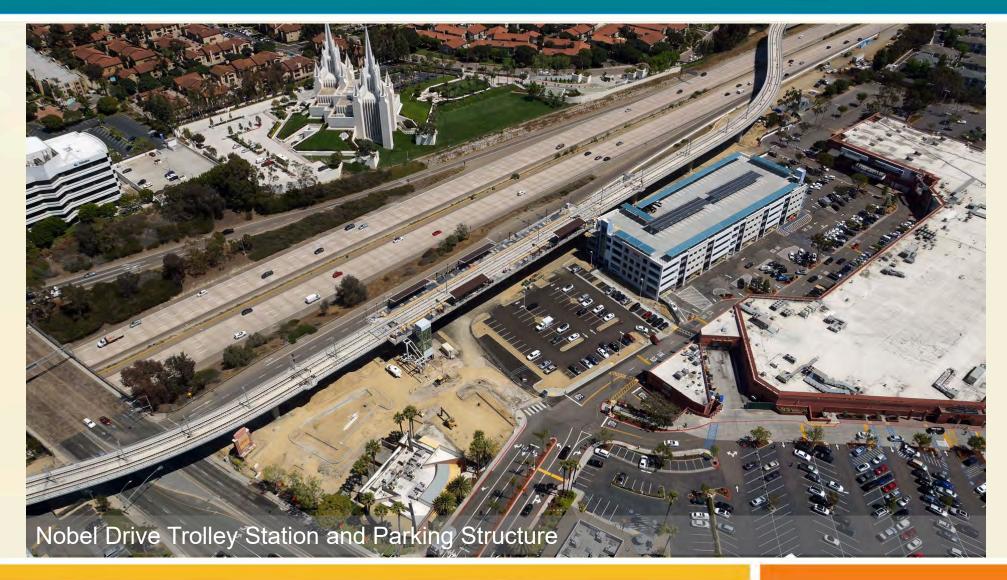












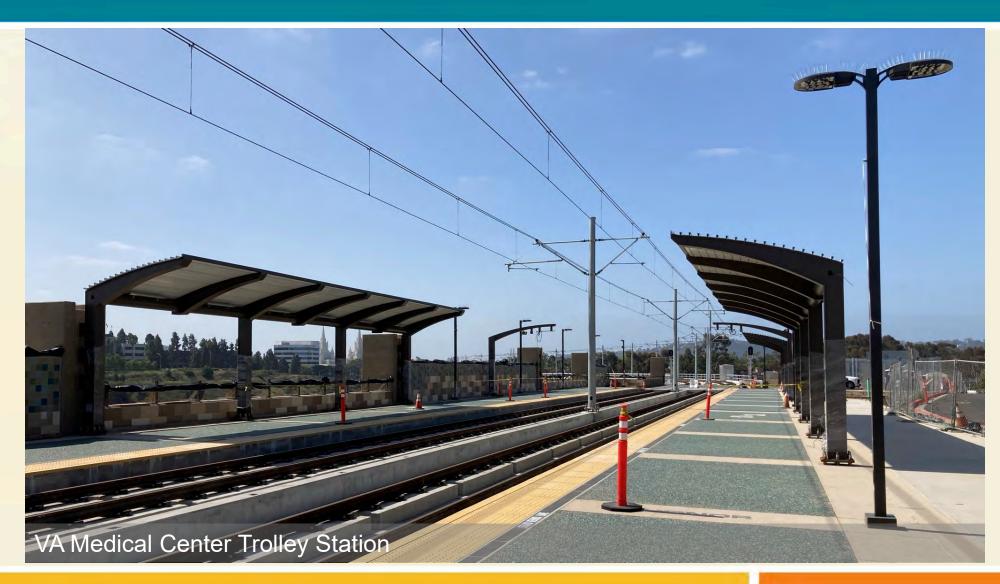








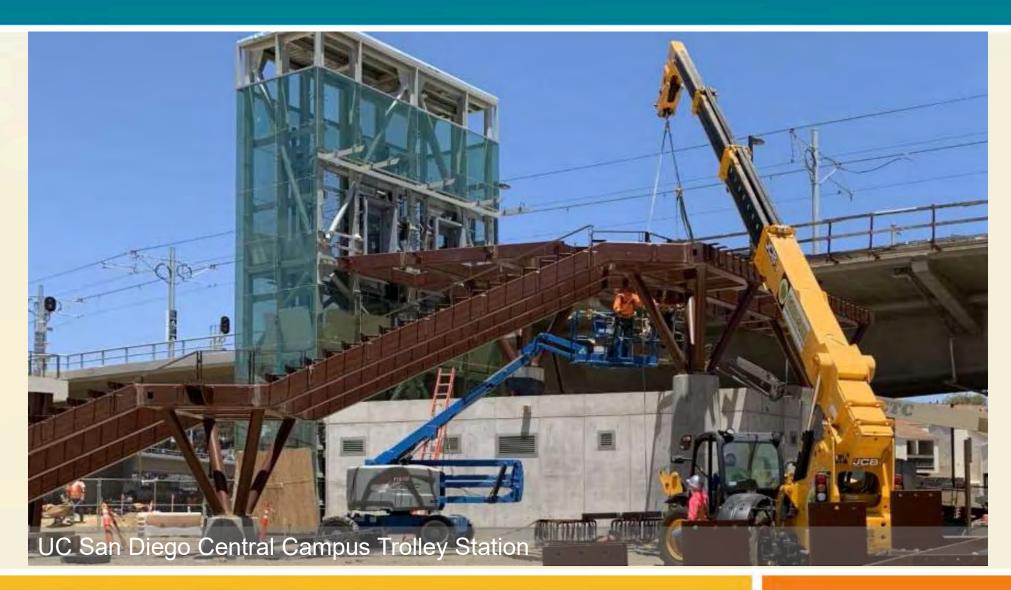




















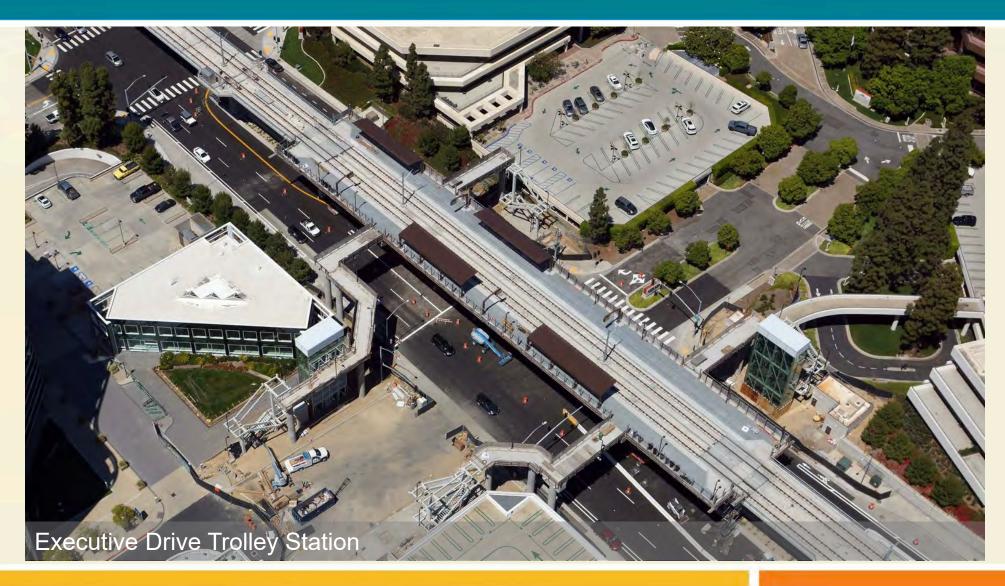




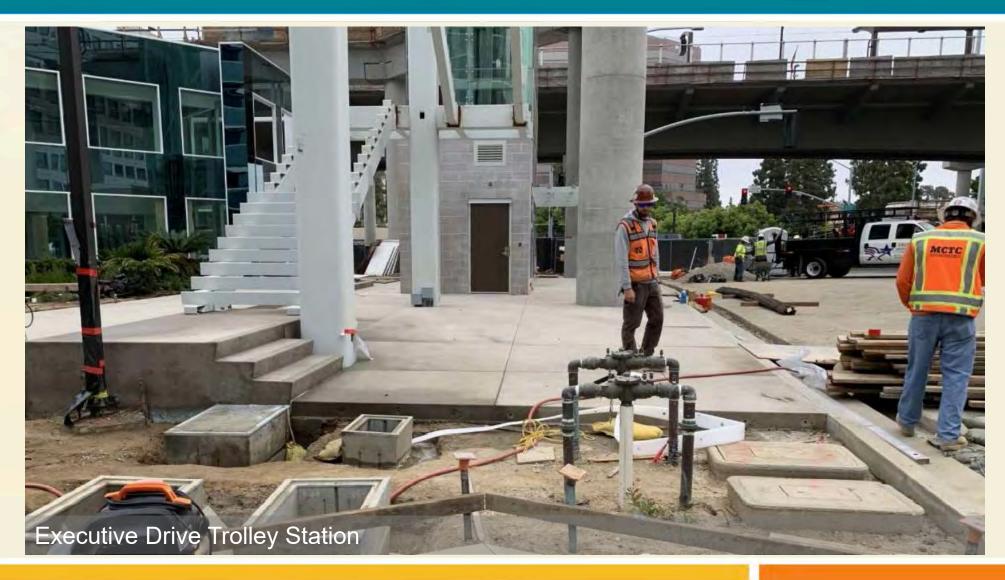








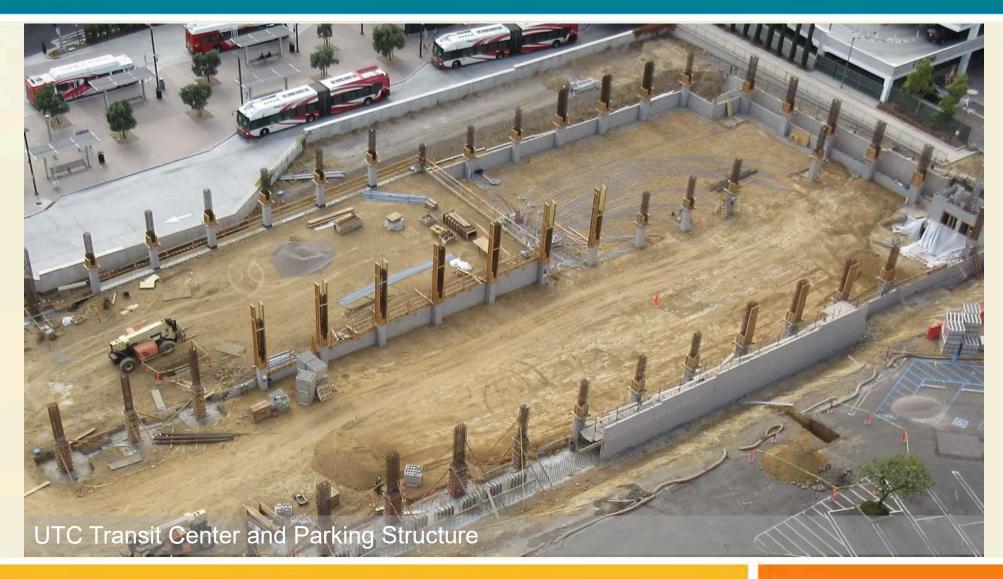












MID-COAST CORRIDOR CONCURRENT EFFORTS



Project	Status
San Diego River Double Track*	COMPLETED February 2020
Elvira to Morena Double Track*	COMPLETED July 2020
I-5/Genesee Avenue Auxiliary Lane	COMPLETED October 2020
Gilman Bridge*	COMPLETED February 2021
Rose Creek Bikeway*	COMPLETED May 2021
Voigt Drive Improvements*	anticipated completion fall 2021

*TransNet-funded project

Contact Us

midcoast@sandag.org (877) 379-0110 KeepSanDiegoMoving.com/MidCoast







IN - MEETING PUBLIC COMMENT

Michelle Krug provided a live public comment for agenda item #4. Krug's statement will be reflected in the minutes.



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Agenda Item No. 5

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

June 10, 2021

SUBJECT:

RIVERWALK STATION AGREEMENT (KAREN LANDERS)

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Executive Committee forward the following recommendation to the MTS Board of Directors:

- 1) In compliance with CEQA Guidelines 15096:
 - (a) independently review the environmental effects of the project as shown in Final Environmental Impact Report No. 581984/State Clearing House No. 2018041028 certified by the City of San Diego on November 17, 2021 (EIR), and find that none of the conditions described in CEQA Guidelines 15162 or 15163 exist as there has been no substantial change in the project, change in circumstances, or new information regarding a new impact or significant increase in the severity of an environmental impact in the months since the EIR was certified so no subsequent or supplemental EIR is required;
 - (b) independently review the CEQA Guidelines Section 15091 and 15093 findings for the Riverwalk EIR, incorporated by reference herein, and adopt the findings as its own;
 - (c) consider the EIR as prepared by the City;
 - (d) find that, consistent with the CEQA Guidelines Section 15091 and 15093 findings, there are no feasible alternatives or feasible mitigation measures within MTS's powers that would substantially lessen or avoid any significant effect the project would have on the environment; and
 - (e) order MTS staff to file a notice of determination.
- 2) Authorize the Chief Executive Officer (CEO) to execute the Riverwalk Station



- Agreement, in substantially the same format as Attachment A (Agreement), and effectuate the property rights transfers set forth therein.
- 3) Declare the Triangle Parcel (Exhibit I to the Agreement) and the Fashion Valley Road Dedication Parcel (Exhibit H to the Agreement) to be "Exempt Surplus Land" pursuant to Government Code section 54221(f)(1)(C), (D), and (E).

Budget Impact

No direct budget impact. This Agreement will result in the construction of trolley station infrastructure at no cost to MTS. The value of those improvements will be incorporated into MTS's physical and real property asset inventory. MTS will be responsible for the costs of operating and maintaining the trolley station after acceptance.

DISCUSSION:

In 1997 and 2005, MTS extended the trolley to connect east-west between Old Town Transit Center and Grossmont Station in La Mesa. The project was constructed in two phases: Mission Valley West (MVW) and Mission Valley East (MVE). The MVW project included an extension through the Riverwalk golf course property in Mission Valley. At that time, the property was owned by the Levi-Cushman family and associated business entities. As part of a 1997 settlement regarding the property acquisitions necessary to construct the trolley extension, MTS entered into a series of agreements including:

- Golf Course Lease. Lease of a 15-acre MTS-owned parcel to be used as two golf course holes to allow the Riverwalk Golf Course to continue to operate as an 18- or 27-hole golf course until the full 195-acre Levi-Cushman property was redeveloped.
- 2. <u>LRT Station Agreement</u> wherein Levi-Cushman agreed to construct a light rail transit station for MTS as a part of the future redevelopment of the property.
- 3. <u>Master Easement Agreement for Fixed Light Rail Transit Purposes</u> that grants MTS an easement to construct the trolley extension and reserves to the Levi-Cushman owners the right to various easements and property rights across the trolley extension in order to facilitate the redevelopment of the 195-acre property.

The future redevelopment of the Levi-Cushman property that was anticipated in the above agreements has now completed the planning and major permitting process. On November 17, 2020 (City of San Diego Agenda Items 343a through 343i) and December 8, 2020 (City of San Diego Agenda Items 59a through 59f), the San Diego City Council formally approved the development plans and certified an Environmental Impact Report for the 195-acre Levi-Cushman property – now called the Riverwalk San Diego project (Riverwalk Project).¹

The Riverwalk Project is intended to transform the existing Riverwalk Golf Club into a transit-oriented neighborhood. At full build-out, the project will have approximately 4,300 units of housing, including 430 affordable units reserved for residents earning 65% of the

¹ See City of San Diego Resolutions R-2021-216, R-2021-237, and R-2021-215 (adopted November 17, 2020), and Ordinances O-2021-73, O-2021-59, O-2021-64 Cor. Copy, O-2021-63, O-2021-60 Rev. Copy, and O-2021-61 (adopted on December 8, 2020).

area median income. The plan also includes 152,000 square feet of retail space, 1 million square feet of office space, and nearly 100 acres of parks, open space and trails — including five acres of active community parks, a 45-acre River Park and 47 acres of protected riparian area along the river. As required by the above agreements and the EIR, the project will also include a new MTS Green Line trolley station. The station is sited roughly one mile between the Morena Linda Vista and Fashion Valley stations.

Construction is expected to begin in March 2022, with the trolley station required to be completed prior to building permit for the 3,386 Equivalent Dwelling Unit at the project. Full build-out will be phased over 15-20 years.

As the long-envisioned redevelopment of the Riverwalk site was refined during the project's design and permitting process at the City of San Diego, MTS staff worked with the Riverwalk developers, Hines Development and SD Riverwalk, LLC (collectively "Riverwalk"), to further refine and design the new trolley station and the other real property transfers that were contemplated in the 1997 settlement agreements. Today's action would approve a Riverwalk Trolley Station Agreement that does the following:

- 1. Memorializes MTS's support for the Riverwalk Project and the proposed location and design of the new trolley station and two road/rail crossings.
- Requires that Riverwalk obtain a Right of Entry Permit from MTS prior to construction
 of any of the improvements impacting MTS, which will allow MTS to approve the final
 designs and ensure appropriate safety measures and insurance/indemnification
 protections are in place.
- 3. States that the trolley station improvements will be constructed and funded by Riverwalk and other non-MTS sources, unless MTS requests a change order deviating from the current design or specifications.
- 4. Consents to various easements for roads, facilities, or utilities necessary to construct and maintain the Riverwalk Project.
- 5. Places responsibility for various Fashion Valley Road improvements on Riverwalk and agrees to transfer the MTS property necessary for those improvements to Riverwalk (which will be dedicated to the City of San Diego after construction).
- 6. Agrees to quitclaim an irregularly shaped parcel (Triangle Parcel) that is sandwiched between the MTS trolley right-of-way and the Riverwalk property on the north side of the tracks from MTS ownership to Riverwalk. The Triangle Parcel is made up of remnants from three parcels MTS acquired for the MVW project, which are now cut off from access by the intersecting trolley line. This quitclaim would adjust the lot lines on the MTS-owned parcels to end at the trolley right-of-way and transfer maintenance responsibility for the Triangle Parcel to Riverwalk.
- 7. Commits MTS to accepting ownership of and commencing operations on the new trolley station once construction is complete.
- 8. Commits Riverwalk to providing road and utility access across the Riverwalk property to the MTS-owned 15-acre site at the southwest corner of the Riverwalk Project (MTS South Parcel), which will facilitate future development by MTS of this site.

Surplus Land Act Compliance

The Surplus Land Act, Government Code section 54220, et seq., requires MTS to take specified actions before land is sold or leased for a permanent use. Certain land transfers are exempt from this process so long as the Board makes a finding that the land transfer falls within enumerated exemptions, such as:

Government Code Section 54221:

(f) (1) Except as provided in paragraph (2), "exempt surplus land" means any of the following:

- (C) Surplus land that a local agency is exchanging for another property necessary for the agency's use.
- (D) Surplus land that a local agency is transferring to another local, state, or federal agency for the agency's use.
- (E) Surplus land that is a former street, right of way, or easement, and is conveyed to an owner of an adjacent property.

The transfers described in the Riverwalk Trolley Station Agreement meet the above definitions of Exempt Surplus Land because they achieve the following:

- Transfer the Triangle Parcel to Riverwalk (adjacent property owner) in exchange for
 (a) the new Trolley Station improvements and additional right-of-way, and (b)
 providing future road and utility access to the MTS South Parcel, which will facilitate
 future development of that parcel by MTS for either a transit or transit-oriented
 development purpose.
- 2. Transfer the Fashion Valley Road linear segment to Riverwalk for purposes of consolidating with Riverwalk and City-owned property and constructing improvements to Fashion Valley Road, a public street. After construction of the improvements by Riverwalk, the additional right-of-way will be dedicated to the City of San Diego. The transfer of the MTS-owned linear segment to the City of San Diego had been required by the MVW project. However, the transfer was never completed. This will correct that oversight.

Therefore, staff recommends that the Board officially declare the Triangle Parcel (Exhibit I to the Agreement) and the Fashion Valley Road Dedication (Exhibit H to the Agreement) to be "exempt surplus land" under Government Code section 54221(f)(1)(C), (D), and (E) and authorize the transfers included in the Agreement. Other property transfers in the Agreement are easements that are not subject to the Surplus Land Act procedures.

California Environmental Quality Act (CEQA) Compliance

As described above, the City of San Diego certified the EIR for the Riverwalk Specific Plan Project on November 17, 2020, and adopted CEQA Guidelines Section 15091 and 15093 findings, which are incorporated herein by reference: https://docs.sandiego.gov/council_reso_ordinance/rao2020/R-313360.pdf

Since the City of San Diego's approval of the EIR, there has been no substantial change in the Riverwalk Project, change in circumstances, or new information regarding a new impact or significant increase in the severity of an environmental impact related to the Riverwalk Project. The action requested of the MTS Board, approval of the Riverwalk Station Agreement, is intended to fulfill the requirement in the EIR that a trolley station be constructed as part of the project, and to otherwise implement the project as approved by the City of San Diego and described in the EIR.

CEQA Guidelines 15096 describes MTS duties under CEQA as a responsible agency with jurisdiction over a project making a subsequent discretionary decision on the development of the Riverwalk Trolley Station. To comply with CEQA Guidelines 15096, staff recommends the Executive Committee recommend that the Board take the following action:

- (a) independently review the environmental effects of the project as shown in the EIR, and find that none of the conditions described in CEQA Guidelines 15162 or 15163 exist as there has been no substantial change in the project, change in circumstances, or new information regarding a new impact or significant increase in the severity of an environmental impact in the months since the EIR was certified so no subsequent or supplemental EIR is required;
- (b) independently review the CEQA Guidelines Section 15091 and 15093 findings for the Riverwalk EIR, incorporated by reference herein, and adopt the findings as its own;
- (c) consider the EIR as prepared by the City;
- (d) find that, consistent with the CEQA Guidelines Section 15091 and 15093 findings, there are no feasible alternatives or feasible mitigation measures within MTS's powers that would substantially lessen or avoid any significant effect the project would have on the environment: and
- (e) order MTS staff to file a notice of determination.

/s/ Sharon Cooney

Sharon Cooney
Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, Julia.Tuer@sdmts.com

Attachment: A. Riverwalk Trolley Station Agreement

RIVERWALK TROLLEY STATION AGREEMENT

This Riverwalk Trolley Station Agreement ("Agreement") is made as of the ____ of ____, 2021 ("Effective Date"), by and between SD Riverwalk, LLC, a Delaware limited liability company ("Riverwalk" or "Developer") and the San Diego Metropolitan Transit System, a California public agency ("MTS"). Riverwalk and MTS are sometimes collectively referred to herein as the "Parties" or individually as a "Party".

RECITALS

- A. Riverwalk will transform a 195-acre golf course into an infill, mixed-use village centered around a new Green Line Trolley Station and major public park within the Mission Valley Community Plan area, pursuant to entitlements approved by City Council on November 17, 2020 ("Riverwalk Project").
- B. As part of the Riverwalk Project, Riverwalk proposes to construct the Green Line Trolley Station ("Station Project") roughly in the location shown on Exhibit A attached hereto pursuant to the conceptual design shown on Exhibits B and D attached hereto (collectively, "Conceptual Plans").
- C. Riverwalk and MTS have the mutual goal of enhancing transit opportunities for the Mission Valley Community Plan Area and the City through development of the Station Project.
- D. This Agreement provides the framework for Riverwalk's funding and construction of the Station Project, and MTS support, acceptance, and maintenance and operation of the Station Project.

NOW, THEREFORE, the Parties agree as follows:

- 1. MTS Support for Station Project.
 - a. MTS supports the Riverwalk Project and supports the proposed location and configuration of the Station Project shown on the Conceptual Plans.
 - b. As part of the Riverwalk Project, Riverwalk is proposing the construction of two road crossings: Street J below-grade, as depicted in Exhibit C ("Street J Crossing"); and Street O at-grade, as depicted in Exhibit E ("Street O Crossing"). MTS will support approval of the Street J and Street O crossings and all necessary easements and construction coordination required by the City, California Public Utilities Commission (CPUC), and any other regulatory authority having jurisdiction.
 - c. In connection with development of the Riverwalk Project, Station Project, and/or Road Crossings, MTS agrees to provide written and/or oral statements of support and to make leadership available to participate in meetings with the CPUC, City of San Diego, SANDAG or other agencies, as necessary. If a letter of support is requested by Developer, this letter will identify that the crossing designs meet

MTS criteria and that MTS is prepared to accept ownership and begin operation of the Station Project upon construction completion.

- Design/Right of Entry Permit. Riverwalk and MTS have already agreed on the Conceptual 2. Plans for the Station Project, as shown on Exhibit D attached hereto. Before construction commences, final design of the Station Project will be mutually agreed upon by both MTS and Riverwalk, and the design and specifications will be finalized. Riverwalk will complete final design of the Station Project and MTS will cooperate with input on specifications and other requirements for the Station Project. MTS and Riverwalk will agree upon a mutually acceptable schedule and process for preparing, reviewing, and finalizing design and construction drawings for the Station Project Using the MTS Right of Entry Permit ("ROE Permit") process. Riverwalk and/or its contractors and agents shall obtain a ROE Permit from MTS prior to entry onto the MTS right-of-way or construction of the Station Project. The ROE Permit will establish the conditions and requirements that Riverwalk and/or its contractors and agents must follow at all times during the construction of the Station Project. MTS shall timely process any applications required to obtain the ROE Permits, and shall not unreasonably deny or delay the issuance of such ROE Permit. Riverwalk and/or its contractors and agents will comply with all MTS policies, rules and regulations as stated in the ROE Permit, and the instructions of MTS's representatives in relation to the proper manner of protecting the railroad tracks and traffic moving thereon, catenary lines, pull lines, signals and other property of MTS, or its tenants or licensees, during the period of construction of the Station Project and shall perform the work at such times and in such a manner so as not to endanger or interfere with the safe and timely operation of the railroad track and other facilities.
- 3. <u>Construction</u>. Construction of the Station Project will be performed by Riverwalk in connection with its development of the Riverwalk Project, unless otherwise agreed by the parties.

4. Funding.

- a. Funding of the Station Project. Riverwalk will fund 100% of design and construction costs in accordance with a construction draw schedule for the Station Project based on the mutually agreed upon design in the ROE Permit. Riverwalk may seek other funding sources, including, but not limited to applications to the Affordable Housing and Sustainable Communities (AHSC) program; applications for Federal Department of Transportation grants or financing programs; support for establishing an Enhanced Infrastructure Financing District (EIFD); establishing another form of financing district, and advocating for inclusion of the Station Project in SANDAG's Regional Transportation Plan. Riverwalk may not seek funds that will cause MTS to lose funding.
- b. <u>Change Orders</u>. After mutual execution of the Improvement Agreement, if either party requests a change order, the requesting party shall be responsible for any resulting costs. The details of this change order process shall be fully outlined in the ROE Permit.

- 5. Easements held by Riverwalk and granted to City. MTS expressly covenants that (1) the following easement rights are reserved to Riverwalk pursuant to Sections 3, 8, 8.1, 8.2, 8.3, 8.4, and 8.5 of the Master Easement Agreement for Fixed Light Rail Transit Purposes ("LRT Easement Agreement"), effective July 17, 1997; (2) none of the following easements unreasonably interfere with or restrict MTS' use and enjoyment of its own easement rights granted under the LRT Easement Agreement; and (3) it will cooperate with Riverwalk's efforts to construct improvements within the easements and assign or otherwise transfer the following easements to the City:
 - a. Street J Road and Utility Easements. Under Sections 3 and 8 of the LRT Easement Agreement, Riverwalk reserved the right to construct and intends to construct a grade-separated road, tunnels, and utility crossing as depicted in Exhibit F of the LRT Easement Agreement and as depicted on Exhibit C, through parcels MTS-1 and MTS-2 ("Street J Road and Utility Easements"). The exact location of this crossing will substantially conform to the Riverwalk Project's Final Map. MTS will cooperate with any Riverwalk action to transfer the Street J Road and Utility Easements to the City for public use in a form acceptable to Riverwalk and the City.
 - b. Street O Road and Utility Easement. Under Sections 3 and 8 of the LRT Easement Agreement, Riverwalk reserved the right to construct and plans to construct an at-grade and utility crossing as depicted on Exhibit E, through parcels MTS-3 and MTS-4 ("Street O Road and Utility Easements"). The exact location of this crossing will substantially conform to the Riverwalk Project's Final Map. MTS will cooperate with any Riverwalk action to transfer the Street O Road and Utility Easements to the City for public use in a form acceptable to Riverwalk and the City.
 - c. MTS-4 Drainage Easement. Under Sections 3 and 8 of the LRT Easement Agreement, Riverwalk reserved the right to use and construct improvements to the Existing Utilities Sleeves as depicted in Exhibit F of the LRT Easement Agreement and as depicted on Exhibit F, through parcel MTS-4 near the emergency vehicle access road ("MTS-4 Drainage Easements"). The exact location of this drainage easement crossing will substantially conform to the Riverwalk Project's Final Map. MTS will cooperate with any Riverwalk action to transfer the MTS-4 Drainage Easements to the City in a form acceptable to Riverwalk and the City.
 - d. <u>Underground Tunnels</u>. Under Sections 3 and 8 of the LRT Easement Agreement, Riverwalk reserved the right to use and construct improvements to a number of underground tunnels constructed beneath the LRT Easement, which are currently used for golf courts access across each side of the tracks and may be used for other types of crossing in the future ("**Underground Tunnels**"). MTS will cooperate with any Riverwalk action to transfer the Underground Tunnel Easements to the City, if necessary.

- 6. <u>Easements held by MTS and to be granted to Riverwalk.</u>
 - a. MTS Parcel Sewer Easement. Riverwalk owns an existing 25-foot wide sewer and access easement running east-west through a portion of an MTS parcel south of the tracks, APN 436-610-13, as depicted on Exhibit G ("MTS Parcel Sewer Easement"). There is a proposed 30-foot public sewer easement running east-west within Riverwalk-owned Lot 28 north of the tracks. The Riverwalk Project proposes to connect the two existing and proposed easements via a new 35-foot sewer easement running north-south through the Triangle Parcel (defined in Section 7 below) under the LRT Easement and extending east-west along the Riverwalk Private Sewer Easement through the MTS parcel as depicted on Exhibit G ("MTS Parcel Sewer Easement"). MTS hereby agrees to grant to Riverwalk the MTS Parcel Sewer Easement to allow Riverwalk to use, maintain, and improve any existing sewer lines and construct any new sewer lines within the MTS Parcel Sewer Easement. MTS will permit and will cooperate with any Riverwalk action to transfer the Triangle Parcel Sewer Easements to the City for public use.
 - b. <u>Fashion Valley Road Dedication</u>. Riverwalk proposes to construct improvements to Fashion Valley Road as depicted on **Exhibit H** ("**Fashion Valley Road Dedication**"). MTS agrees to quitclaim its fee simple interest in the land to Riverwalk. MTS will permit and cooperate with any Riverwalk action to transfer or dedicate easements to the City for public use.
- 7. Triangle Parcel Quitclaim and Triangle Parcel Lot Line Adjustment. MTS agrees to quitclaim its fee simple interest in the property it owns adjacent to the Riverwalk Project that is located north of the MTS tracks and near the west end of the Riverwalk Project depicted on Exhibit I ("Triangle Parcel"). Following completion of recordation of the first final map, the lot line at the base of the Triangle Parcel will be adjusted to run parallel to the Green Line Trolley tracks at the location of the existing fence. MTS and Riverwalk mutually agree to quit claim deeds for the land necessary to complete the lot line adjustment.
- 8. Dedication of Station Project Improvements and Easement. Following the completion of construction of the Station Project by Riverwalk, Riverwalk shall dedicate an easement over the Station Project facility lot(s) or portion(s) thereof, as created on the Riverwalk final map; Riverwalk shall also dedicate the Station Project facility improvements to MTS (collectively the "Station Easement"). Within thirty (30) days after final inspections and resolution of any post-construction punch lists or defects, which final inspection and resolution MTS shall not unreasonably deny or delay, MTS shall accept the Station Easement and improvements and assume ownership and maintenance obligations of such improvements. A soon as practicable thereafter for MTS trolley operations, MTS will begin operation of the facility as a trolley station for the public benefit. Riverwalk agrees to provide access easements from the Riverwalk Project's public streets over certain other Riverwalk Project parcels as is necessary for MTS to access and maintain the Station Project. Riverwalk reserves the right to access the

Station Project Property to perform supplemental maintenance, if any, as described in **Section 8(a)**.

- a. Maintenance and Operation of Station Project. The Station Easement shall require MTS to assume all liability and responsibility for maintenance and operation of the Station Project and related equipment, and to do so according to commercially reasonable standards. The Station Easement may also grant Riverwalk the rights to provide Supplemental Maintenance, subject to agreement by both Parties.
- 9. <u>Timing</u>. Riverwalk shall construct and dedicate the Station Project facility to MTS consistent with the City of San Diego's Riverwalk Project land use approvals, as they were approved on November 17, 2020, and as they may be amended from time to time. MTS will not interfere with Riverwalk's buildout of the Riverwalk Project or ability to finance the buildout of the Riverwalk Project. MTS will begin transit operations of the Station Facility as soon as practicable upon acceptance of the dedication of the Station Project facility upon completion of construction.
- 10. MTS South Parcel Access & Utility Connections. MTS owns an approximately 15-acre parcel south of the tracks (APN 436-610-09-00, 436-610-10-00, 436-610-13-00, and a portion of 436-610-32-00) depicted in Exhibit J ("MTS South Parcel") without convenient access to the public street system. In order to facilitate convenient street access for MTS, upon a future extension of Riverwalk Drive to the MTS South Parcel, Riverwalk shall grant the City an easement for public road access and wet and dry utilities from the terminus of the constructed Riverwalk Drive to the MTS South Parcel, also shown on Exhibit J ("MTS South Parcel Access Easement"). With the granting of the MTS South Parcel Access Easement, Riverwalk acknowledges that the public access rights through Riverwalk Drive to the MTS South Parcel include MTS.
- 12. <u>Notices</u>. Any notice, consent or approval required or permitted to be given under this Agreement shall be in writing and shall be deemed to have been given upon (i) hand delivery, (ii) one business day after being deposited with Federal Express or another reliable overnight courier service for next day delivery, (iii) upon e-mail transmission (except that if the date of such transmission is not a business day, then such notice shall be deemed to be given on the first business day following such transmission), or (iv) two business days after being deposited in the United States mail, postage prepaid, and addressed as follows:

To Riverwalk: SD Riverwalk LLC

c/o Hines Interests Limited Partnership

600 W Broadway Suite 1150 San Diego, CA 92101

Attention: Pete Shearer

Email: pete.shearer@hines.com

With a copy to: Hines Interests Limited Partnership

2800 Post Oak Boulevard

Suite 4800

Houston, TX 77056

Attention: Corporate Counsel

Email: corporate.legal@hines.com

To MTS: San Diego Metropolitan Transit System

1255 Imperial Avenue, Suite 1000

San Diego, CA 92101

Attention: Sharon Cooney, CEO Email: Sharon.Cooney@sdmts.com

With a copy to: San Diego Metropolitan Transit System

1255 Imperial Avenue, Suite 1000

San Diego, CA 92101

Attention: Karen Landers, General Counsel

Email: Karen.Landers@sdmts.com

- 13. <u>Entire Agreement</u>. This Agreement constitutes the entire Agreement between the Parties pertaining to the subject matter hereof, and all prior and contemporaneous Agreements, representations and understandings of the parties hereto, oral or written, are hereby superseded and merged herein. No supplement, modification or amendment of this Agreement shall be binding unless in writing and executed by the Parties.
- 14. <u>No Waiver</u>. The waiver or failure to enforce any breach or violation of any covenant herein contained shall not be deemed to be a waiver or abandonment of such covenant, or any waiver of the right to enforce any subsequent breach or violation of such covenant.
- 15. <u>California Law</u>. This Agreement shall be construed in accordance with, and governed by, the laws of the State of California.
- 16. <u>Captions</u>. The captions of this Agreement are for purposes of reference only and shall not limit or define the meaning of the provisions of this Agreement.
- 17. <u>Exhibits</u>. All exhibits attached hereto are incorporated herein by reference.
- 18. <u>Counterparts</u>. This Agreement may be executed in any number of counterparts, each of which shall be an original and all of which shall constitute one and the same instrument.
- 19. <u>Successors and Assigns</u>. This Agreement shall be binding on the Parties successors and assigns.
- 20. <u>Attorneys' Fees</u>. In the event legal proceedings are commenced regarding the enforcement of this Agreement, the prevailing party in any such action shall recover, in addition to any relief granted therein, reasonable attorneys' fees from the other party or parties, which fees shall be included in any judgment rendered in such proceedings.

- 21. <u>Severability</u>. If any phrase, clause, sentence, paragraph, section, article or other portion of this Agreement shall become or is held to be illegal, null or void or against public policy, the remaining portions of this Agreement shall not be affected thereby and shall remain in force and effect to the fullest extent permissible by law.
- 22. <u>Breach/Default/Cure</u>. A party shall be in "Default" of this Agreement if it fails to comply with any covenant or perform any obligation required hereunder and such failure is not cured within sixty (60) days after written notice provided pursuant to **Section 12** describing such failure by the other party, provided that if such failure cannot be reasonably cured within such sixty (60)-calendar day period and the defaulting party commences to cure such failure within such sixty (60)-calendar day period and thereafter diligently and expeditiously proceeds to cure the same, the defaulting party shall be afforded such additional period of time as may be reasonably necessary to cure such failure.
- 23. <u>No Cross-Default</u>. Should Developer sell, assign, convey, contribute or otherwise transfer a portion of, or interest in all or any portion of, the Property to any other person or entity, no default by Developer or any such person or entity under this Agreement or any other agreement or instrument provided in connection therewith shall be deemed to otherwise constitute a breach or default by any such other party.
- 24. No Personal Liability. Notwithstanding anything in this Agreement to the contrary, recourse against Developer for the satisfaction of the obligations hereunder or any judgment rendered against Developer with respect to this Agreement shall be limited solely to the assets of Developer and none of (i) any person or entity owning, directly or indirectly, any legal or beneficial interest in Developer, (ii) any partner (general or limited, or a subpartner at any level), principal, officer, controlling person or entity, beneficiary, trustee, real estate investment advisor or other similar fiduciary, shareholder, employee, agent, affiliate or director of Developer or any person described in clause (i) above, or (iii) any of the respective successors and assigns of the individuals or entities described in clauses (i) or (ii) above, shall be personally liable for the performance of the obligations described herein or the satisfaction of any judgment and all such liability shall be deemed to be waived.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the Effective Date first written above.

DEVELOPER

SD RIVERWALK LLC, a Delaware limited liability company

By: Hines SD Riverwalk LLC, a Delaware limited liability company, its managing member

By: Hines SD Riverwalk Associates LP,

		as limit le mem	ted partnership, ber	
	Ву:	Hines Interests Limited Partnership, a Delaware limited partnership, its general partner		
		By:	Hines Holdings, Inc., a Texas corporation, its general partner	
Dated:			By:	
			Name:	
			T'41	

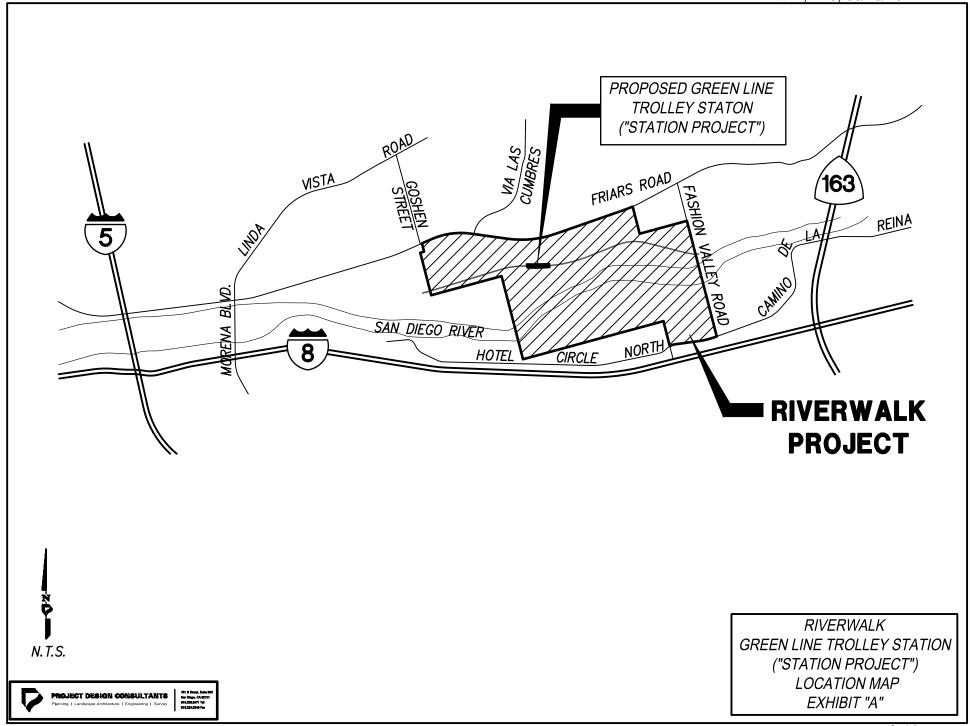
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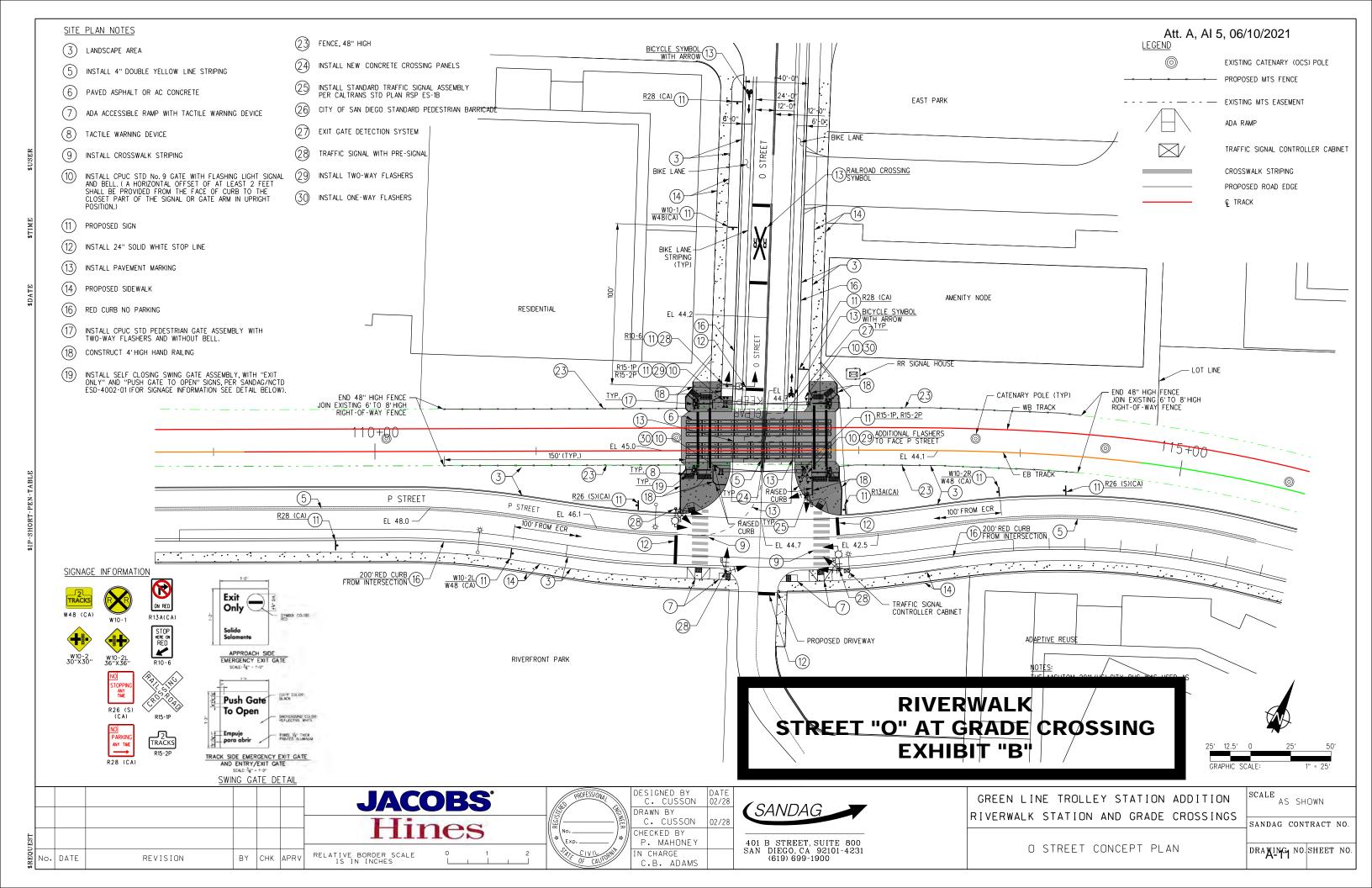
San Diego Metropolitan Transportation System, a California public entity

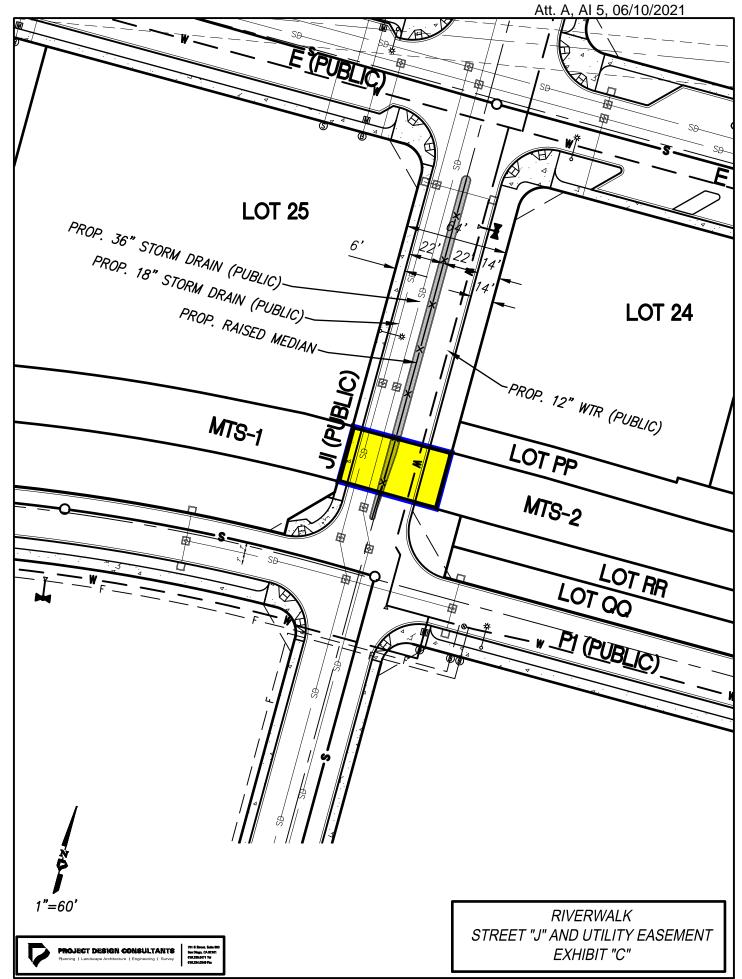
Dated:	By:	
	Sharon Cooney	
	Chief Executive Officer	
	APPROVED AS TO FORM:	
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Dated:	By:	
	Karen Landers	
	General Counsel	

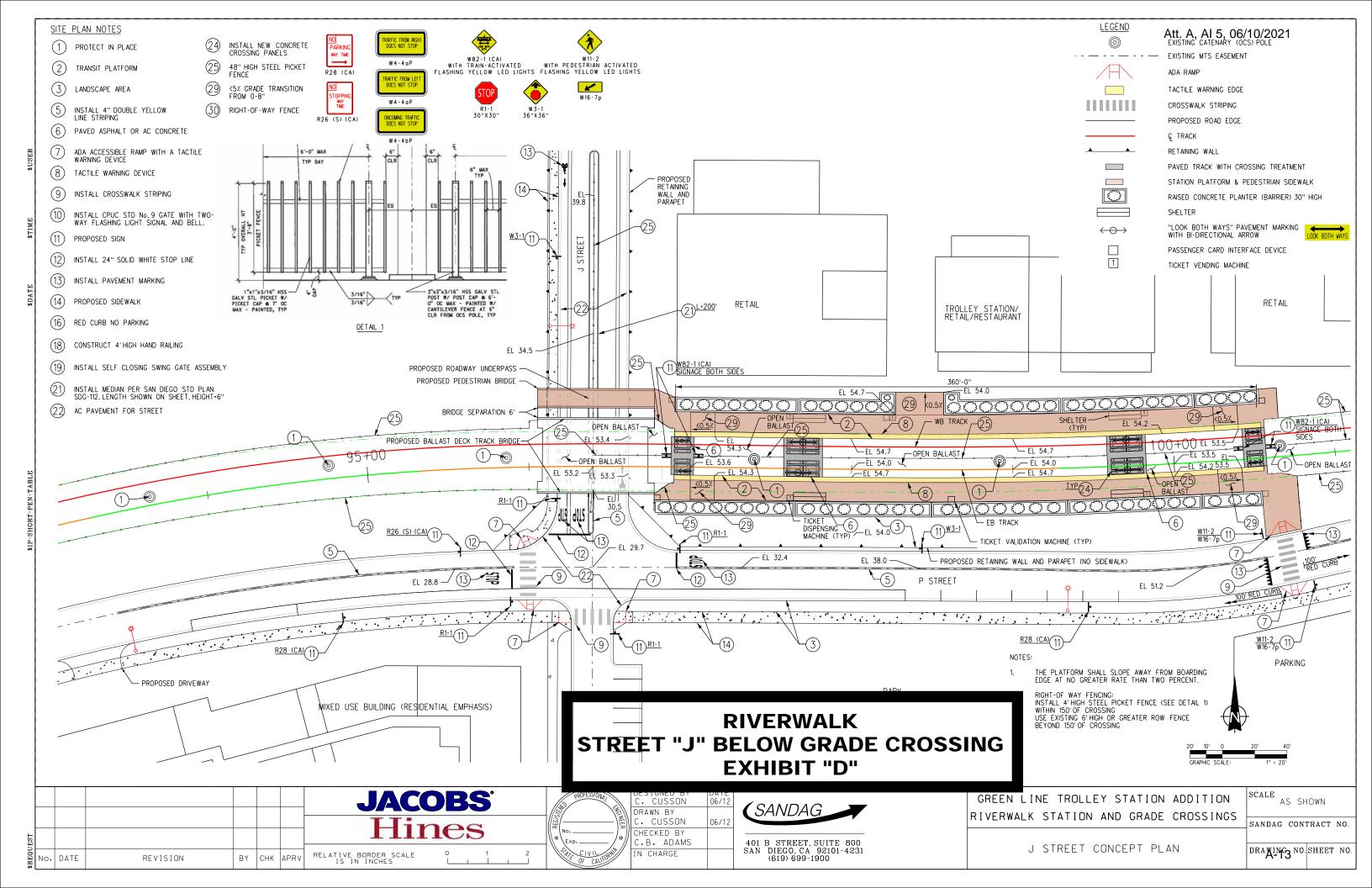
Exhibits

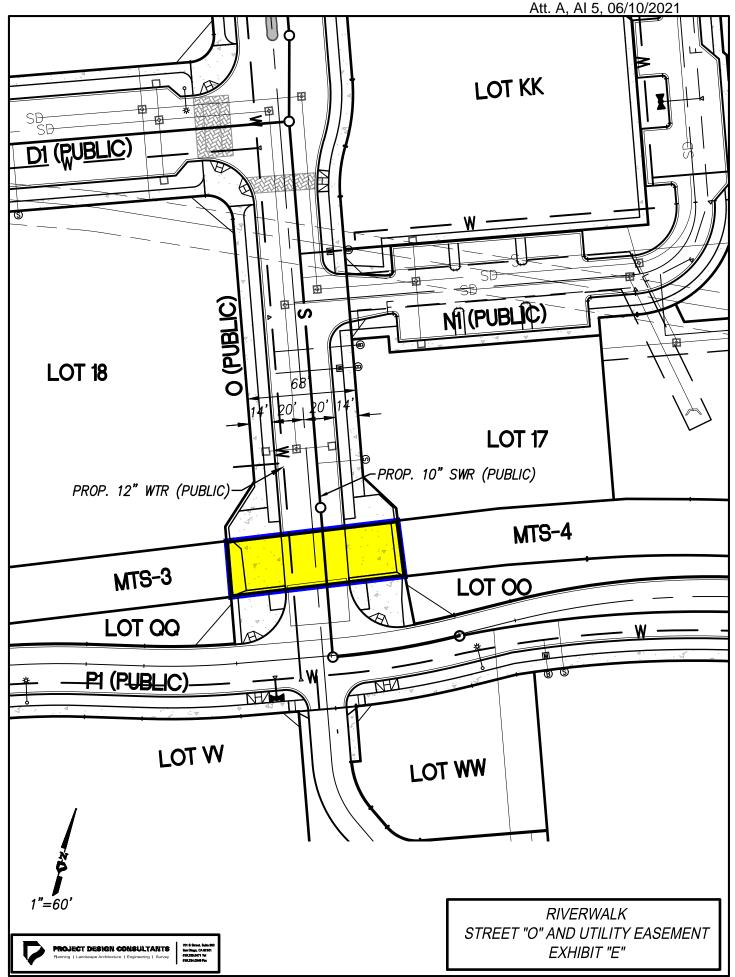
Exhibit A	Green Line Trolley Station Location
Exhibit B	Street O Crossing & Utility Easement
Exhibit C	Street J Crossing & Utility Easement
Exhibit D	Riverwalk Station Concept Design
Exhibit E	Street O Road and Utility Easement
Exhibit F	MTS Drainage Easement
Exhibit G	MTS Parcel Sewer Easement
Exhibit H	Fashion Valley Road Dedication
Exhibit I	Triangle Parcel
Exhibit J	MTS South Parcel & MTS South Parcel Access Easement

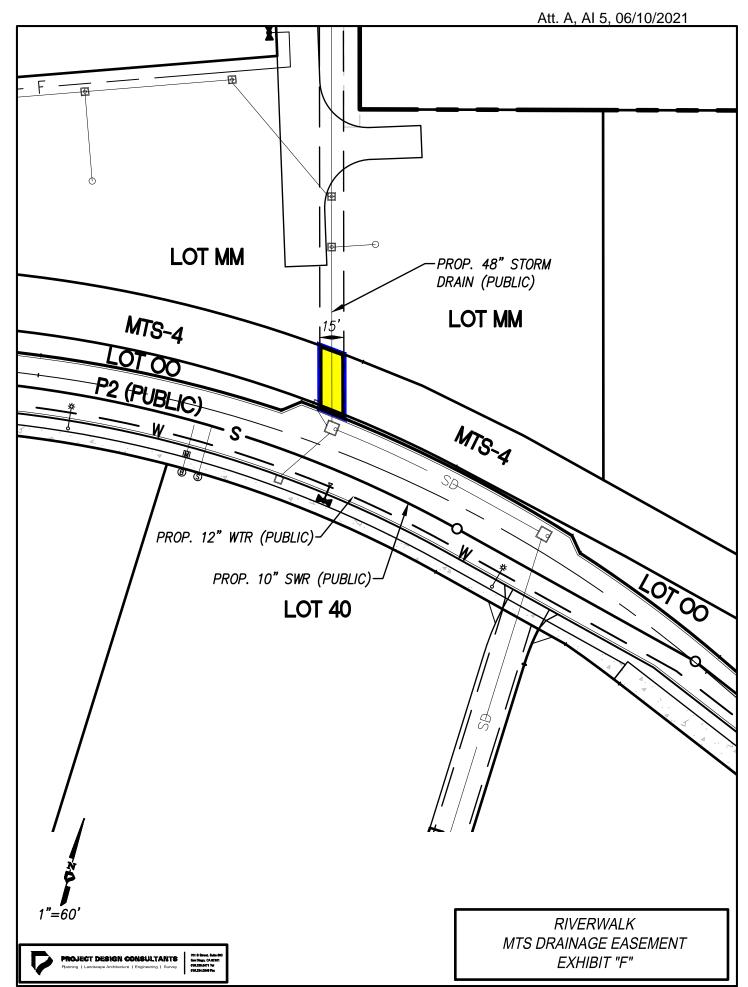


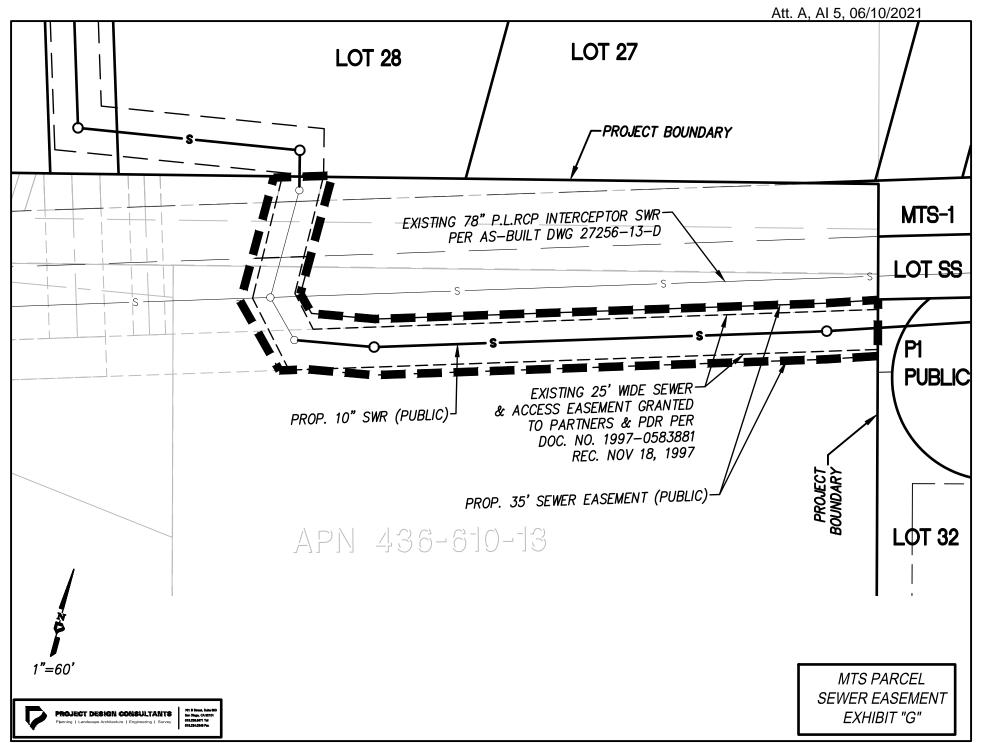


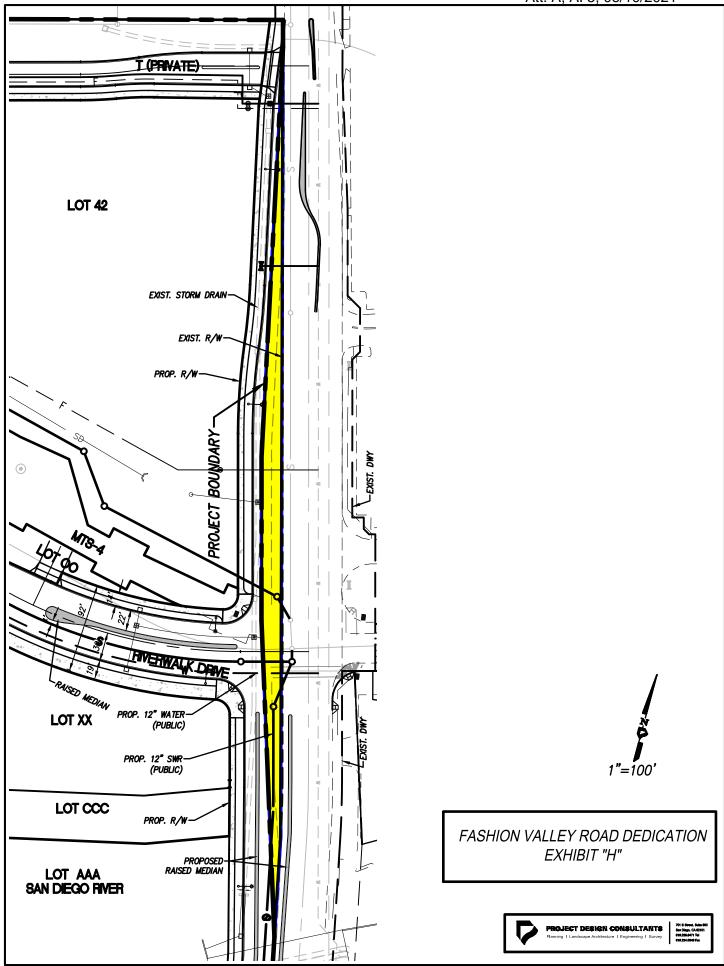


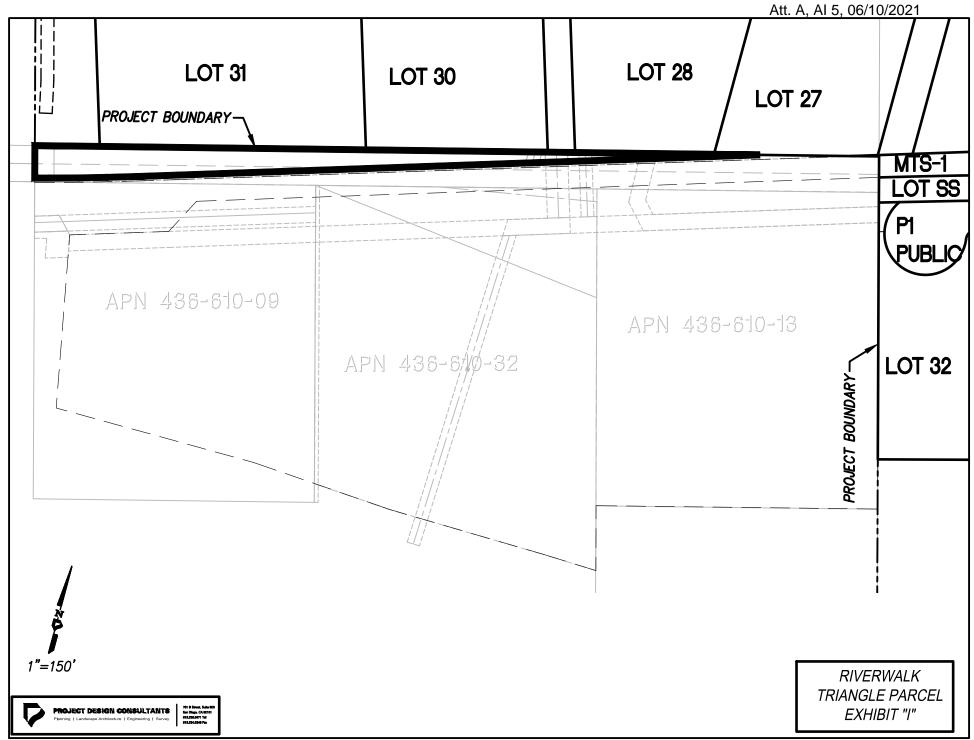


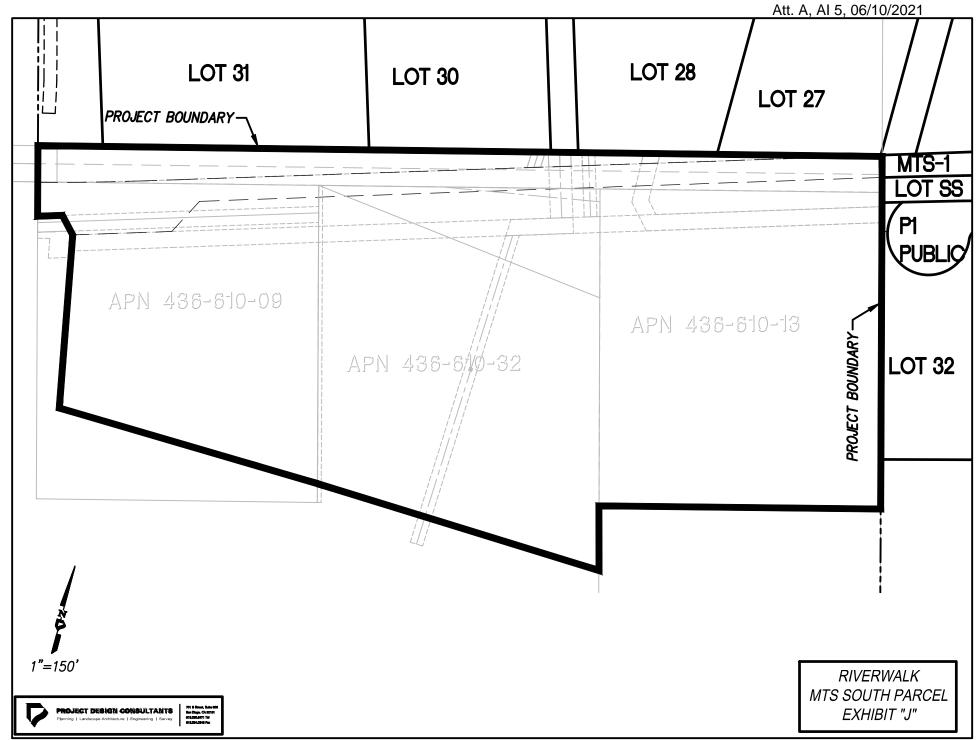














MTS Executive Committee
June 10, 2021



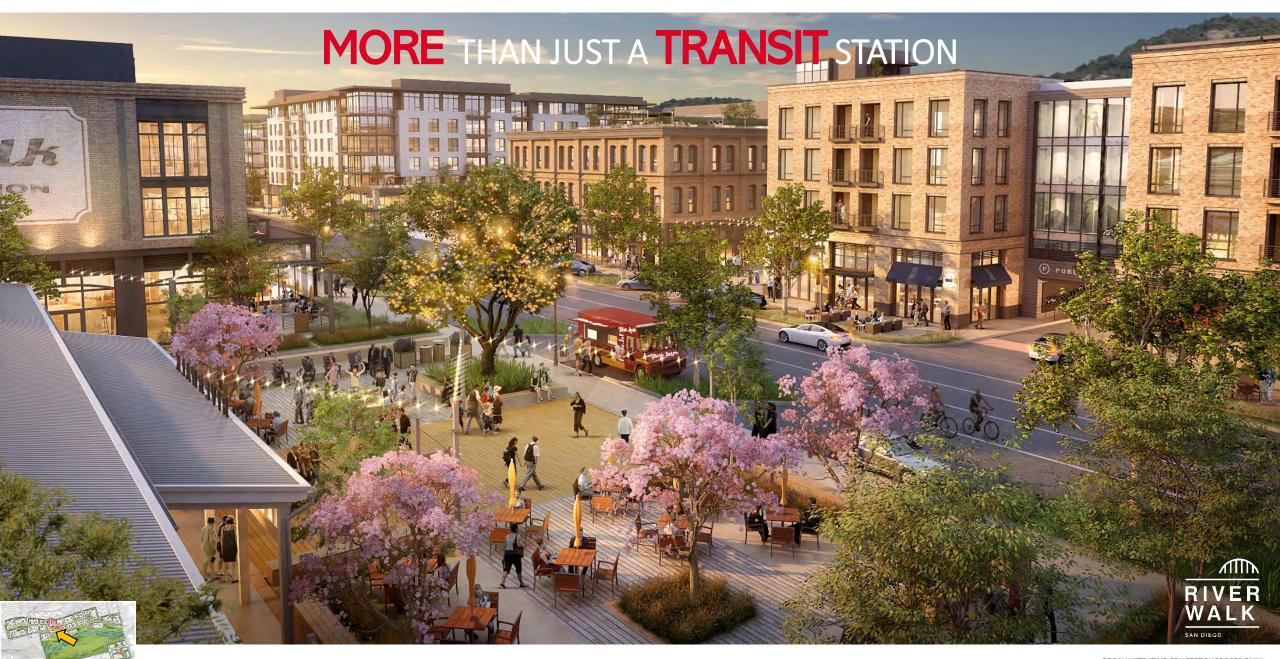
San Diego's First Truly Transit-Oriented Village



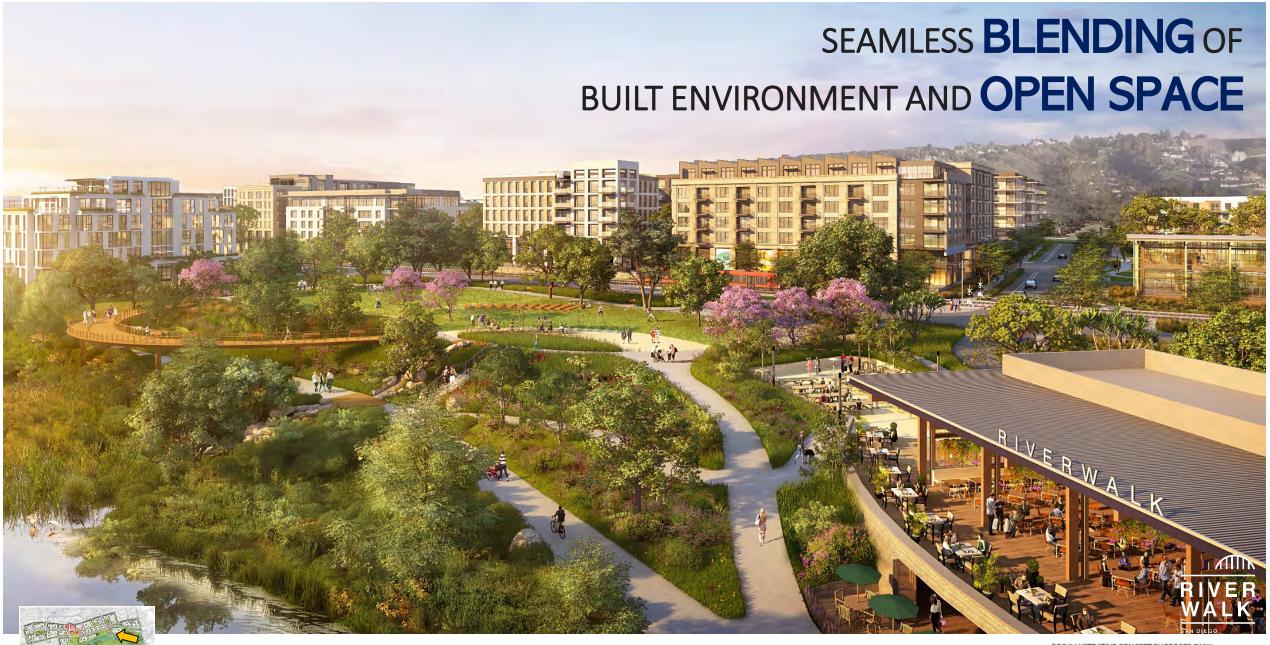




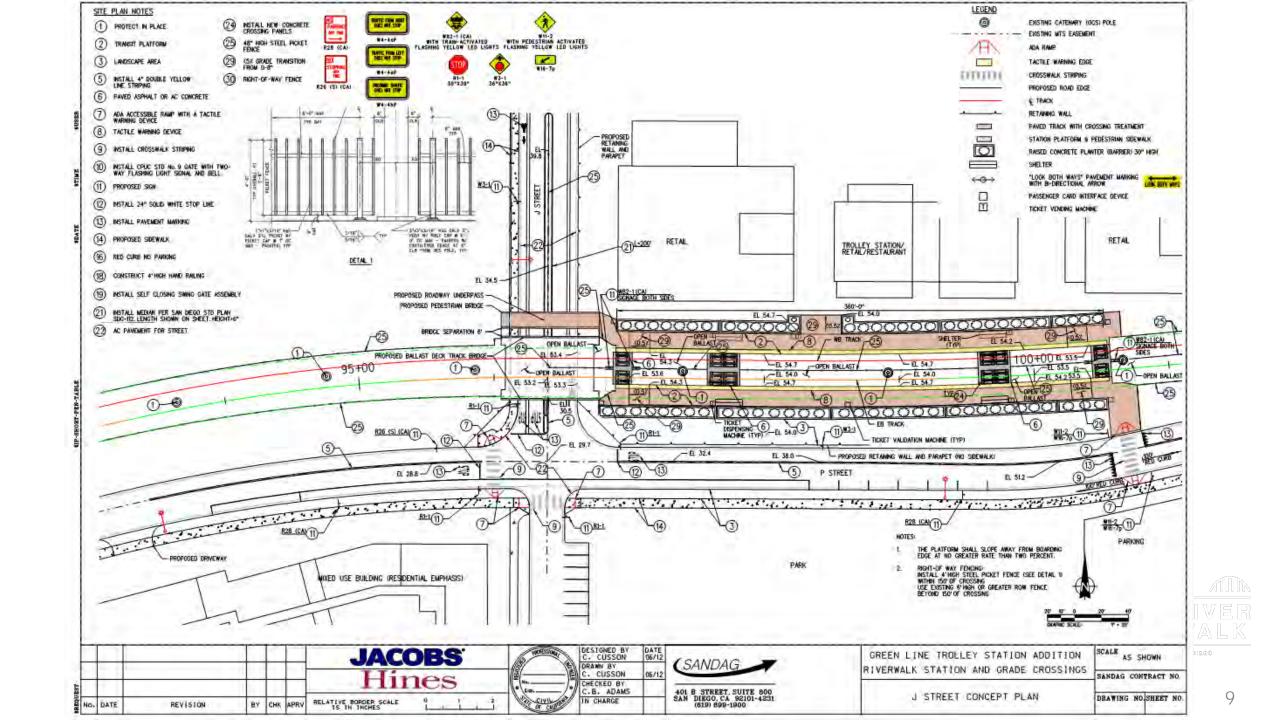






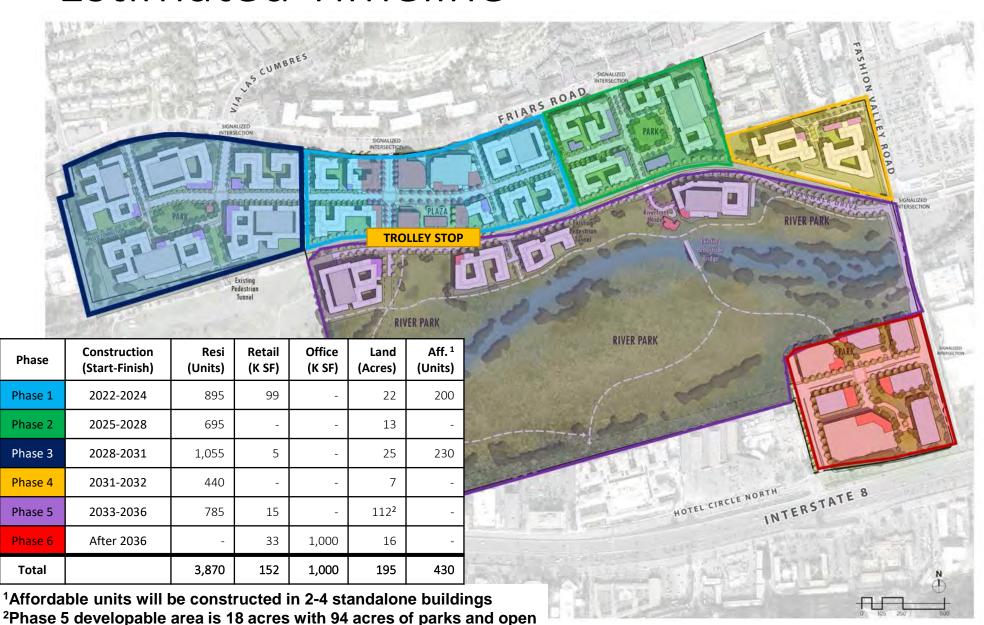






Estimated Timeline

space



Phase 1 Milestones

- Grading Permit 1Q22
- Building Permit 2Q22
- First C-of-O 4Q24
- Trolley Stop Construction
- Estimated 4Q24
- Required by 3,386 EDU



MTS Proposed Action

Executive Committee Recommendations that Board of Directors:

- 1. Adopt CEQA Findings as Responsible Agency (EIR certified by City of SD on November 17, 2020) related to Riverwalk Project
- 2. Authorize CEO to Execute Riverwalk Station Agreement and to effectuate all property rights transfers set forth in that agreement.
- 3. Declare the Triangle Parcel and Fashion Valley Road Dedication Parcel to be "Exempt Surplus Land" pursuant to the Government Code section 54221(f)(1)(C), (D), and (E)

CEQA Findings

- City of San Diego is the Lead Agency
 - Certified the EIR on November 17, 2020 and Adopted the Findings and Statement of Overriding Considerations, and Adopting the Mitigation, Monitoring and Reporting Program for the Riverwalk Project.
- MTS is a Responsible Agency
 - Approval of the Riverwalk Station Agreement is a subsequent discretionary decision related to the Riverwalk project.
- MTS can incorporate the EIR findings into its own CEQA determination
 - There have been no substantial changes in the project, change in circumstances, or new information regarding a new impact or significant increase in the severity of an environmental impact since the City's November 17, 2020 certification of the EIR.
 - The Riverwalk Station Agreement is implementing one of the EIR's mitigation requirements – that a new trolley station be incorporated into the Riverwalk project.

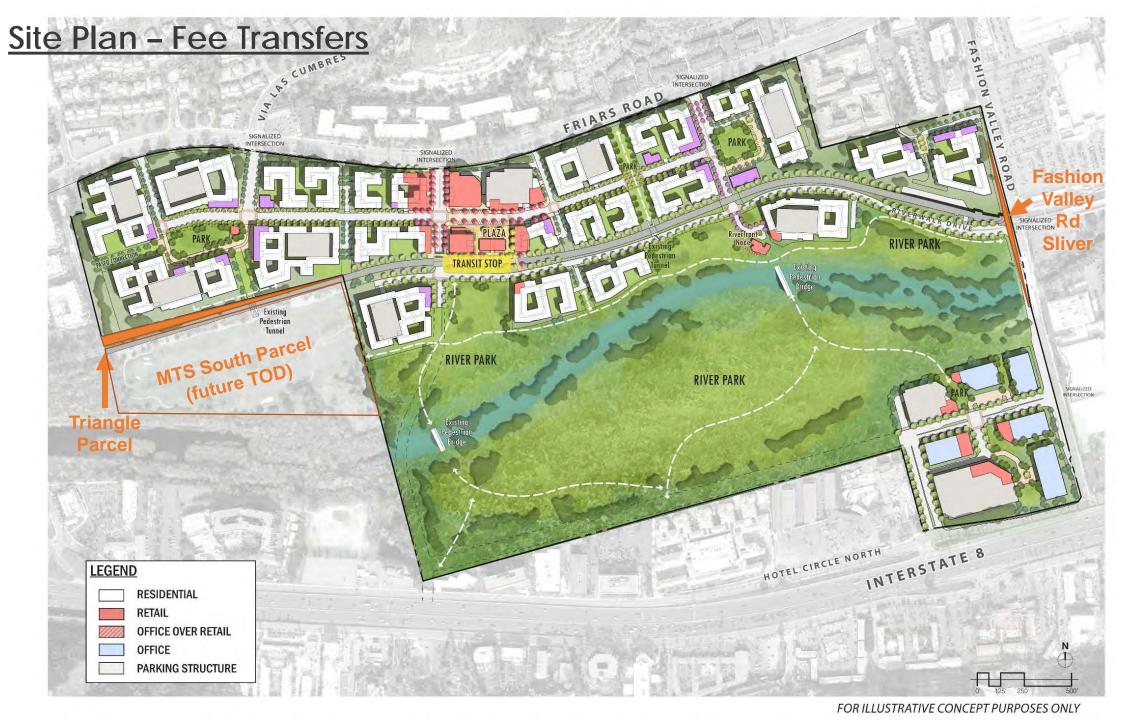
Recommendation No. 1 (CEQA Finding)

Staff recommends the Executive Committee recommend that the Board take the following action:

- (a) independently review the environmental effects of the project as shown in the EIR, and find that none of the conditions described in CEQA Guidelines 15162 or 15163 exist as there has been no substantial change in the project, change in circumstances, or new information regarding a new impact or significant increase in the severity of an environmental impact in the months since the EIR was certified so no subsequent or supplemental EIR is required;
- (b) independently review the CEQA Guidelines Section 15091 and 15093 findings for the Riverwalk EIR, incorporated by reference herein, and adopt the findings as its own;
- (c) consider the EIR as prepared by the City;
- (d) find that, consistent with the CEQA Guidelines Section 15091 and 15093 findings, there are no feasible alternatives or feasible mitigation measures within MTS's powers that would substantially lessen or avoid any significant effect the project would have on the environment; and
- (e) order MTS staff to file a notice of determination.

Riverwalk Station Agreement

- Mission Valley West Project Commitments:
 - ROW acquisition from Levi-Cushman granted easement to MTS but reserved owner's right to various easements and property rights across the new trolley ROW to facilitate development of the 195-acre property
 - also required owner to build a trolley station as part of future development
- Riverwalk Station Agreement implements these prior obligations
 - MTS will have right to review and approve final trolley station construction plans through Right of Entry Permit process
 - Trolley station construction funded by Riverwalk
 - Consents to various easements for roads, facilities and utilities necessary to construct the Riverwalk project
 - Commits MTS to accepting ownership of and commencing operations at the new trolley station
 - Commits Riverwalk to provide road and utility access to MTS property (future TOD site) adjacent to the Riverwalk site.





Riverwalk Station Agreement

• Fee Transfers:

- Fashion Valley Road sliver to be quitclaimed to Riverwalk
 - Riverwalk to construct road improvements and dedicate improvements to the City of San Diego
 - This property was supposed to be dedicated by MTS as part of MVW project, but that did not occur
- Triangle Parcel to be granted/quitclaimed to Riverwalk
 - Undevelopable sliver that is sandwiched between MTS linear ROW (tracks) and the Riverwalk property
 - Made up of remnant from parcel MTS acquired for the MVW project
 - Transfer will result in adjustment of lot lines to incorporate this property into Riverwalk parcels, and transfer maintenance responsibility for Triangle Parcel to Riverwalk
 - In exchange for (1) new trolley station improvements and station easement, and (2)
 providing future road and utility access to MTS South Parcel, which will facilitate future
 development of MTS South Parcel

Surplus Land Act Findings

- Declare the Triangle Parcel and the Fashion Valley Road Section to be "exempt surplus land" pursuant to Government Code section 54211, subdivision (f)(1)(C), (D), and (E):
 - (C) Surplus land that a local agency is **exchanging for another property necessary for the agency's use**.
 - (D) Surplus land that a local agency is transferring to another local, state, or federal agency for the agency's use.
 - (E) Surplus land that is a former street, right of way, or easement, and is conveyed to an owner of an adjacent property.

Recommendations 2 & 3:

- 2. Authorize the Chief Executive Officer (CEO) to execute the Riverwalk Station Agreement, in substantially the same format as Attachment A (Agreement), and effectuate the property rights transfers set forth therein.
- 3. Declare the Triangle Parcel (Exhibit I to the Agreement) and the Fashion Valley Road Dedication Parcel (Exhibit H to the Agreement) to be "Exempt Surplus Land" pursuant to Government Code section 54221(f)(1)(C), (D), and (E).

Questions?

IN - MEETING PUBLIC COMMENT

Michelle Krug provided a live public comment for agenda item #5. Krug's statement will be reflected in the minutes.



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REVISED DRAFT

Agenda

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

9:00 a.m.

Meeting will be held via webinar

To request an agenda in an alternative format or to request accommodations to facilitate meeting participation, please email the Clerk of the Board, dalia.gonzalez@sdmts.com at least two working days prior to the meeting. Meeting webinar/teleconference instructions can be accessed under 'Additional Materials.' Click the following link to access the meeting: https://zoom.us/i/98288032362

Para solicitar la agenda en un formato alternativo o para solicitar acomodaciones de participación, por favor mande un correo a la Secretaria de la Junta, <u>dalia.gonzalez@sdmts.com</u> al menos dos días hábiles antes de la reunión. Instrucciones para ingresar a la junta virtual están disponibles bajo 'Additional Materials.' Use este enlace para acceder la reunión virtual: https://zoom.us/j/98288032362

ACTION RECOMMENDED

- 1. Roll Call
- 2. Approval of Minutes June 17, 2021

Approve

3. <u>Public Comments</u> - Limited to five speakers with three 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.

Please SILENCE electronics during the meeting



CONSENT ITEMS

6. Stormwater Management Services - Contract Award
Action would authorize the Chief Executive Officer (CEO) to execute MTS
Doc. No. PWG332.0-21, with SoCal Stormwater Runoff Solution Services,
Inc. (SoCal), for the provision of stormwater management services for a
period of five (5) years, and one (1) optional five-year extension for a total
contract value of \$1,177,200.18.

Approve

7. <u>Traction Power Substations (TPSS) Buildings Repair – Construction Change Orders (CCO)</u>

Approve

Action would 1) Ratify CCO 01 to Work Order MTSJOC312-01, under Job Order Contract (JOC) MTS Doc No. PWL312.0-20 with HMS Construction, Inc. (HMS), totaling \$11,042.92 for sealing, caulking, and painting of the siding panels of the substations; and 2) Authorize the Chief Executive Officer (CEO) to execute CCO 02 to Work Order MTSJOC312-02, under JOC MTS Doc No. PWL312.0-20 with HMS, totaling \$146,341.65 for the repair of an additional seven (7) TPSS locations on the Green Line.

8. <u>Design Services For South Bay Maintenance Facility (SBMF) Electric Bus</u>
<u>Charging Project – Work Order Amendment</u>

Approve

Action would 1) Ratify Work Order WOA2075-AE-50.02 under MTS Doc No. G2075.0-18 with Dokken Engineering (Dokken) totaling \$88,412.96, to support Phase 2 battery electric bus (BEB) improvements, charging to dispenser ratio changes, as well as the application and processing of a Building Permit package through the City of Chula Vista Development Services Department; and 2) Authorize the Chief Executive Officer (CEO) to execute Work Order WOA2075-AE-50.03 under MTS Doc. No. G2075.0-18 with Dokken in the amount of \$36,896.94 for additional design services to add a permanent natural gas generator to the project.

9. Rail Replacement - America Plaza and Kettner Grade Crossing - Work Order Agreement

Approve

Action would authorize the Chief Executive Officer (CEO) to execute Work Order No. MTSJOC269-11, under Job Order Contract (JOC) to MTS Doc. No. PWG269.0-19, with Herzog Contracting Corp. (Herzog), in the amount of \$698,473.76 for the replacement of the rail at America Plaza Trolley Station and the replacement of the adjacent grade crossing located at Kettner Boulevard.

10. On-Call Plumbing Repair Services - Contract Award
Action would authorize the Chief Executive Officer (CEO) to execute MTS
Doc. No. PWG331.0-21, with Drain Medic, Inc., (Drain Medic), a Woman
Owned Business Enterprise (WBE) and Small Business (SB), for on-call
plumbing repair services for a period of one (1) base year and an additional
two (2) option years for a total contract value of \$341,849.61.

Approve

11. Number Not Used

Supply 115RE Head Hardened Steel Rail – Contract Award
 Action would authorize the Chief Executive Officer (CEO) to execute MTS
 Doc. No. L1575.0-21, with Progress Rail Services Corporation, for the one time supply of 106 tons of 115RE head hardened steel rail, in the amount of

 Fare Collection Change Orders – Amendment

Approve

Approve

13. Fare Collection Change Orders – Amendment
Action would authorize the Chief Executive Officer (CEO) to execute
Amendment No. 7 to MTS Doc. No. G2091.0-18, with Innovations in
Transportation, Inc. (INIT), for a total contract increase of \$270,050.09.

Approve

14. Closed-Circuit Television (CCTV) System Installation for The Mid-Coast Trolley Extension Project – Change Orders
Action would 1) Ratify Construction Change Order (CCO) 1 under MTS Doc No. PWL320.0-21 with Electro Specialty Systems (ESS) totaling \$52,939.53; and 2) Authorize the Chief Executive Officer (CEO) to execute CCO 2 under MTS Doc No. PWL320.2-21 with ESS in the amount of \$92,252.16 for additional camera coverage at all Mid-Coast Stations and Parking Lots/Structures.

15. <u>Kearny Mesa Division (KMD) Hoists Construction – Contract Award</u>
Action would authorize the Chief Executive Officer (CEO) to execute MTS
Doc. No. PWB317.0-20, with Western Pump Inc., a Small Business (SB), for
KMD Hoists Construction in the amount of \$4,213,648 plus 10% contingency,
for a total of \$4,635,012.80.

Approve

16. Printed Circuit Boards (PCBs) and Electronic Components for Light Rail Vehicles (LRVs) – SOLE SOURCE CONTRACT AWARD

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. L1572.0-21, a Sole Source award to Siemens Mobility Inc., to provide PCBs and Electronic Components for LRVs as further described in the attached list, in the amount of \$14,600,000 for a seven (7) year period from July 1, 2021 to June 30, 2028.

Approve

17. <u>Semiannual Uniform Report of Disadvantaged Business Enterprise (DBE)</u>
<u>Awards and Payments</u>

Informational

18. <u>Disadvantaged Business Enterprise (DBE) Overall Goal for Federal Fiscal Years 2022-2024</u>
Action would adopt a 6.23% Overall DBE Goal for DBE-participation in federally funded contracts for Federal Fiscal Years (FFY) 2022 to 2024.

Adopt/Approve

CLOSED SESSION

24.

NOTICED PUBLIC HEARINGS

25. None.

DISCUSSION ITEMS

30.	Amendment to Codified San Diego Metropolitan Transit System (MTS) Fare Ordinance No.4 (Israel Maldonado)	
31.	Riverwalk Agreement (Karen Landers)	
32.	Marketing Campaign Report (Rob Schupp)	
REPOR	RT ITEMS	
45.	Draft 2021 Regional Plan Update (SANDAG Staff)	Informational
46.	Other Operating Revenue Report	Informational
47.	Operations Budget Status Report for April 2021 (Gordon Meyer)	Informational
OTHER	RITEMS	
60.	Chair Report	Informational
61.	Chief Executive Officer's Report	Informational
62.	Board Member Communications	Informational
63.	Additional Public Comments Not on the Agenda If the limit of 5 speakers is exceeded under No. 3 (Public Comments) on this agenda, additional speakers will be taken at this time. If you have a report to present, please furnish a copy to the Clerk of the Board. Subjects of previous hearings or agenda items may not again be addressed under Public Comments.	

- 64. Next Meeting Date: July 29, 2021.
- 65. <u>Adjournment</u>



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Agenda Item No. 6

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

Draft for Executive Committee Review Date: 06/10/2021

SUBJECT:

STORMWATER MANAGEMENT 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. PWG332.0-21 (in substantially the same format as Attachment A), with SoCal Stormwater Runoff Solution Services, Inc. (SoCal), for the provision of stormwater management services for a period of five (5) years, and one (1) optional five-year extension for a total contract value of \$1,177,200.18.

Budget Impact

The total budget for this project shall not exceed \$1,177,200.18. This project is funded by the Storm Water Operations Budget 122010 – 571140.

DISCUSSION:

MTS has been mandated by State Resources Water Quality Control Board (SRWQCB) to protect navigational waterways. As part of this mandate, MTS is required to enroll its three (3) impacted facilities under the Industrial General Permit (IGP). These facilities include Imperial Avenue Division (IAD), Kearny Mesa Division (KMD), and Trolley Yard, resulting in the issuance of three separate permits from the SRWQCB. The permits require storm water inspections, monitoring, sampling, Best Management Practices (BMP) optimization, facility audits, training, Storm Water Pollution Prevention Plans (SWPPP) updates and preparation of required reports each year to the SRWQCB.

Additionally, the SWRQCB has identified surface waters that are considered impaired, which means the surface water does not meet water quality standards. The SWRQCB has summarized these impaired surface waters to identify those requiring monitoring for Total Maximum Daily Load (TMDL). A TMDL establishes a water quality target intended



to restore the water body and allocates the available pollutant loading to point and non-point source discharges into that waterbody, natural background sources, and a margin of safety. Within MTS's jurisdictional area, two (2) TMDLs have been incorporated into the National Pollutant Discharge Elimination System (NPDES) permits that cover MTS.

To ensure compliance with these requirements, MTS requires a contractor to provide stormwater management services for the successful implementation and execution of the agency's three (3) facilities SWPPP, and the monitoring for TMDL of impaired surface waters identified by the agency's TMDL Compliance Plan. The SWPPPs have been developed to comply with the statewide NPDES IGP.

On January 27, 2021, MTS issued a Request for Proposal (RFP) for Stormwater Management Services. MTS staff advertised on the San Diego Daily Transcript and posted the RFP on PlanetBids.

On March 16, 2021, MTS received a total of three (3) proposals from SoCal, KMEA and TRC Solutions, Inc. (TRC).

A selection committee consisting of representatives from various MTS departments met and rated the proposals. The ratings were based on the following criteria:

Qualifications of Firm or Individual	20%
2. Staffing, Organization and Management Plan	າ 30%
3. Work Plan	20%
4. Cost/Price	30%
To	otal 100%

After the initial evaluations, the selection committee determined that only SoCal and TRC were within the competitive range. The committee interviewed both firms, and reevaluated their respective proposals.

After the second evaluation, the selection committee determined that only SoCal remained in the competitive range and requested a Best and Final Offer (BAFO) from the firm. SoCal reduced their proposed pricing by \$195,575.10 from the original offer of \$1,445,280.03 to a revised offer of \$1,249,704.93.

Staff then entered into negotiations with SoCal. As a result of the negotiations, SoCal reduced their pricing by an additional \$72,504.75. to a revised offer of \$1,177,200.18.

After considering the technical and price factors and price analysis, the selection committee deemed that SoCal provided the best value to MTS.

Proposer Name	Technical	Cost	Total	Proposed Cost	Ranking
	(max	(max	(max 100%)		
	65%)	35%)			
SoCal	53.80	30.00	83.80	\$1,177,200.18	1
TRC	51.20	18.50	69.70	\$1,908,751.45	2
KMEA (Disabled	52.20	11.87	64.07	\$2,975,227.00	3
Veteran Business					
Enterprise (DVBE))					

Therefore, staff recommends that the MTS Board authorize the CEO to execute MTS Doc. No. PWG332.0-21 (in substantially the same format as Attachment A), with SoCal, for the provision of stormwater management services for a period of five (5) years, and one (1) optional five-year extension for a total contract value of \$1,177,200.18.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, <u>Julia.Tuer@sdmts.com</u>

Attachments: A. Draft Standard Services Agreement MTS Doc. No. PWG332.0-21

B. SoCal Cost Proposal Form MTS Doc. No. PWG332.0-21



STANDARD AGREEMENT

FOR

MTS DOC. NO. PWG332.0-21

THIS AGREEMENT is entered into this California by and between San Diego Metropolitan and the following, hereinafter referred to as "Contraction of the contraction of the contrac	ransit Syst	
Name: SoCal Stormwater Runoff Solution Services, Inc.	Address	: 15030 Ventura Blvd., #669
Form of Business: Corporation (Corporation, Partnership, Sole Proprietor, etc.) Telephone: 310.343.8313	Emai	Sherman Oaks, CA 91403 City State Zip eng@socalstormwatersolutions.com
	lohseni	CEO
Nam	ie	Title
The Contractor agrees to provide services with Work/Technical Specification (Exhibit A), Contractor with the Standard Agreement, including Standard Guidelines for Contractors (Exhibit F). The contract term is for up to 5 base years and on sole discretion, for a total of 10 years. Base period 2000 and entire years shall be effective label.	s Cost/Prici Conditions e optional s shall be e	ng Form (Exhibit B), and in accordance s (Exhibit C), and Policy 44C Travel 5-year extension, exercisable at MTS's ffective July 1, 2021 through June 30,
2026 and option years shall be effective July 1, 2026 Payment terms shall be net 30 days from invoice da \$547,211.78 for the base years and \$629,988.40 for \$1,177,200.18 without the express written consent of	ate. The total the option	al cost of this contract shall not exceed
SAN DIEGO METROPOLITAN TRANSIT SYSTEM	SOCAL STO	RMWATER RUNOFF SOLUTION SERVICES, INC.
By: Sharon Cooney, Chief Executive Officer Approved as to form:	Ву	
By:	Title:	
Karen Landers, General Counsel		



Table I:	SCHEDULE	D SERVICES			Y	ear One	7/1/21 - 6/30/22	Year Two	7/1/22-6	6/30/23	Year Three	7/1/23 - 6/30/24	Year Four	7/1/24 - 6/30/25	Year Five	7/1/25 - 6/30/26
	Item	Description		Annual Service Frequency	Unit Price		Item Total	Unit Price	Item Total		Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total
	1	Monthly Inspections (All Three Locations)	EA	12	\$	1,350.00	\$ 16,200.00	\$ 1,390.50	\$ 16	6,686.00	\$ 1,432.22	\$ 17,186.58	\$ 1,475.18	\$ 17,702.18	\$ 1,519.44	\$ 18,233.24
	2	Monthly Reporting (All Three Locations)	EA	12	\$	150.00	\$ 1,800.00	\$ 154.50	\$ 1	1,854.00	\$ 159.14	\$ 1,909.62	\$ 163.91	\$ 1,966.91	\$ 168.83	\$ 2,025.92
	3	Annual SWPPP Review/Revision (All Three Locations)	EA	1	\$	2,400.00	\$ 2,400.00	\$ 2,472.00	\$ 2	2,472.00	\$ 2,546.16	\$ 2,546.16	\$ 2,622.54	\$ 2,622.54	\$ 2,701.22	\$ 2,701.22
	4	Annual Comprehensive Site Compliance Eval (All Three Locations)	EA	1	\$	2,000.00	\$ 2,000.00	\$ 2,060.00	\$ 2	2,060.00	\$ 2,121.80	\$ 2,121.80	\$ 2,185.45	\$ 2,185.45	\$ 2,251.02	\$ 2,251.02
	5	Annual Storm Water Training (All Three Locations)	EA	1	\$	1,650.00	\$ 1,650.00	\$ 1,699.50	\$ 1	1,699.50	\$ 1,750.49	\$ 1,750.49	\$ 1,803.00	\$ 1,803.00	\$ 1,857.09	\$ 1,857.09
	6	BMP Monthly Maintenance (Trolley location only/20 filters)	EA	12	\$	1,575.00	\$ 18,900.00	\$ 1,622.25	\$ 19	9,467.00	\$ 1,670.92	\$ 20,051.01	\$ 1,721.05	\$ 20,652.54	\$ 1,772.68	\$ 21,272.12
	7	Annual Inspection Contech Vault (IAD Location Only)	EA	1	\$	475.00	\$ 475.00	\$ 489.25	\$	489.25	\$ 503.93	\$ 503.93	\$ 519.05	\$ 519.05	\$ 534.62	\$ 534.62
	8	Annual Report (All Three Locations)	EA	1	\$	1,350.00	\$ 1,350.00	\$ 1,390.50	\$ 1	1,390.50	\$ 1,432.22	\$ 1,432.22	\$ 1,475.18	\$ 1,475.18	\$ 1,519.44	\$ 1,519.44
	9	BMP Monthly Maintenance (KMD location only - located at the northern boundary of the property, adjacent Opportunity Road/6 filters)	EA	12	\$	341.25	\$ 4,095.00	\$ 351.49	\$ 4	4,217.85	\$ 362.03	\$ 4,344.39	\$ 372.89	\$ 4,474.72	\$ 384.08	\$ 4,608.96
			Tab	le I Subtotals	5		\$ 48,870.00		\$ 50	0,336.10		\$ 51,846.18		\$ 53,401.57		\$ 55,003.62

Table I:	ole I: SCHEDULED SERVICES Op					al Year One	7/1/26 - 6/30/27	Optional Year Two	7/1/27 - 6/30/2	28	Optional Year Three 7	//1/27 - 6/30/29	Optional Year Four 7	/1/27 - 6/30/30	Optional Year Five	7/1/27 - 6/30/31	
	Item	Description	UOM	Annual	Un	nit Price	Item Total	Unit Price	Item Total		Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	
	1	Monthly Inspections (All Three Locations)	EA	12	\$	1,565.02	\$ 18,780.24	\$ 1,611.97	\$ 19,343	3.65	\$ 1,660.33	\$ 19,923.96	\$ 1,710.14	\$ 20,521.68	\$ 1,761.44	\$ 21,137.33	
	2	Monthly Reporting (All Three Locations)	EA	12	\$	173.89	\$ 2,086.69	\$ 179.11	\$ 2,149	9.29	\$ 184.48	\$ 2,213.77	\$ 190.02	\$ 2,280.19	\$ 195.72	\$ 2,348.59	
	3	Annual SWPPP Review/Revision (All Three Locations)	EA	1	\$	2,782.26	\$ 2,782.26	\$ 2,865.73	\$ 2,865	5.73	\$ 2,951.70	\$ 2,951.70	\$ 3,040.25	\$ 3,040.25	\$ 3,131.46	\$ 3,131.46	
	4	Annual Comprehensive Site Compliance Eval (All Three Locations)	EA	1	\$	2,318.55	\$ 2,318.55	\$ 2,388.10	\$ 2,388	3.10	\$ 2,459.75	\$ 2,459.75	\$ 2,533.54	\$ 2,533.54	\$ 2,609.55	\$ 2,609.55	
	5	Annual Storm Water Training (All Three Locations)	EA	1	\$	1,912.80	\$ 1,912.80	\$ 1,970.19	\$ 1,970	0.19	\$ 2,029.29	\$ 2,029.29	\$ 2,090.17	\$ 2,090.17	\$ 2,152.88	\$ 2,152.88	
	6	BMP Monthly Maintenance (Trolley location only/20 filters)	EA	12	\$	1,825.86	\$ 21,910.28	\$ 1,880.63	\$ 22,567	7.59	\$ 1,937.05	\$ 23,244.62	\$ 1,995.16	\$ 23,941.95	\$ 2,055.02	\$ 24,660.21	
	7	Annual Inspection Contech Vault (IAD Location Only)	EA	1	\$	550.66	\$ 550.66	\$ 567.17	\$ 567	7.17	\$ 584.19	\$ 584.19	\$ 601.72	\$ 601.72	\$ 619.77	\$ 619.77	
	8	Annual Report (All Three Locations)	EA	1	\$	1,565.02	\$ 1,565.02	\$ 1,611.97	\$ 1,611	1.97	\$ 1,660.33	\$ 1,660.33	\$ 1,710.14	\$ 1,710.14	\$ 1,761.44	\$ 1,761.44	
	9	BMP Monthly Maintenance (KMD location only - located at the northern	EA	12	\$	395.60	\$ 4,747.23	\$ 407.47	\$ 4,889	9.64	\$ 419.69	\$ 5,036.33	\$ 432.29	\$ 5,187.42	\$ 445.25	\$ 5,343.05	
			Tab	le I Subtotals	6		\$ 56,653.72		\$ 58,353	3.34		\$ 60,103.94		\$ 61,907.05] [\$ 63,764.27	

Table I:	SCHEDULE	D SERVICES			1					
	Item	Description	Description UOM Annual							
	1	Monthly Inspections (All Three Locations)	EA	12	\$	185,714.84				
	2	Monthly Reporting (All Three Locations)	EA	12	\$	20,634.98				
	3	Annual SWPPP Review/Revision (All Three Locations)	EA	1	\$	27,513.31				
	4	Annual Comprehensive Site Compliance Eval (All Three Locations)	EA	1	\$	22,927.76				
	5	Annual Storm Water Training (All Three Locations)	EA	1	\$	18,915.40				
	6	BMP Monthly Maintenance (Trolley location only/20 filters)	EA	12	\$	216,667.32				
	7	Annual Inspection Contech Vault (IAD Location Only)	EA	1	\$	5,445.34				
	8	Annual Report (All Three Locations)	EA	1	\$	15,476.24				
	9	BMP Monthly Maintenance (KMD location only - located at the northern	EA	12	\$	46,944.59				
			Tab	le I Subtotals	\$	560,239.78				

7/1/24 - 6/30/25 Year Five

	Item	Description	иом	Estimated Quantities	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total
	1	Rain Event Monitoring	EA	4	\$ 450.00						\$ 491.73	\$ 1,966.91	\$ 506.48 \$	\$ 2,025.92
	2	Rain Event Sampling	EA	4	\$ 450.00			\$ 1,854.00		\$ 1,909.62	\$ 491.73	\$ 1,966.91	\$ 506.48	\$ 2,025.92
	3	Lab Sampling Fees	EA	4	\$ 2,469.60			\$ 10,174.75			\$ 2,698.60	\$ 10,794.39	\$ 2,779.56	
	4	ERA Technical Report - Level 1, or Level 2 (per location)	EA	1	\$ 1,650.00						\$ 1,803.00	\$ 1,803.00	\$ 1,857.09	
	5	ERA Action Plan - Level 1, or Level 2 (per location)	EA	1	\$ 1,650.00			\$ 1,699.50			\$ 1,803.00	\$ 1,803.00	\$ 1,857.09	1,857.09
	6	TMDL Sampling - Rain Event Sampling	EA	2	\$ 450.00	\$ 900.00		\$ 927.00	•		\$ 491.73	\$ 983.45	\$ 506.48	\$ 1,012.96
	7	TMDL Sampling - Lab Fee	EA	2	\$ 2,493.75	\$ 4,987.50		\$ 5,137.13			\$ 2,724.99	\$ 5,449.98	\$ 2,806.74	5,613.48
	8	BMP Replacement - Fabco Cartridges (KMD Location only)	EA	6	\$ 389.79	\$ 2,338.74	\$ 401.48	\$ 2,408.90	\$ 413.53	\$ 2,481.17	\$ 425.93	\$ 2,555.60	\$ 438.71	\$ 2,632.27
	9	BMP Replacement - LIDMIX (Media pillow only, IAD and Trolley Locations only)	EA	22	\$ 117.60	, ,,,	-	\$ 2,664.82					-	*
	10	BMP Replacement - 2x Sediment Traps (Trolley Location only)	EA	2	\$ 727.60	\$ 1,455.20		\$ 1,498.86	\$ 771.91	\$ 1,543.82	\$ 795.07	\$ 1,590.14	\$ 818.92	\$ 1,637.84
	11	BMP Replacement - ZPG Cartridges (IAD Location only)	EA	35	\$ 418.43	\$ 14,645.05		\$ 15,084.40	\$ 443.91		\$ 457.23	\$ 16,003.04	\$ 470.95	
	12	As-Needed Repairs - Single Person Crew - Straight Time	HR	16	\$ 73.50						\$ 80.32	\$ 1,285.05	\$ 82.72	1,323.60
	13	As-Needed Repairs - Two Person Crew - Straight Time	HR	16	\$ 147.00						\$ 160.63	\$ 2,570.09	\$ 165.45	2,647.20
	14	As-Needed QISP Consulting Services - Straight Time	HR	20	\$ 90.00		\$ 92.70		\$ 95.48		\$ 98.35	, ,,,,,,	\$ 101.30	
			Tab	le II Subtotals:		\$ 49,020.09		\$ 50,490.69		\$ 52,005.41		\$ 53,565.58	Ş	55,172.54
Table II: AS-NEEDED SERVICES														1. 1 1 1
J J				7	Optional Year One		Optional Year Two		Optional Year Three		Optional Year Four		Optional Year Five 7,	
SELVED SERVICES	Item	Description	UOM	Estimated	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total
	Item	Rain Event Monitoring	EA	Estimated 4	Unit Price \$ 521.67	Item Total \$ 2,086.69	Unit Price \$ 537.32	Item Total	Unit Price \$ 553.44	Item Total	Unit Price \$ 570.05	Item Total	Unit Price \$ 587.15 \$	Item Total 2,348.59
	Item 1 2	Rain Event Monitoring Rain Event Sampling	EA EA	Estimated 4 4	Unit Price \$ 521.67 \$ 521.67	\$ 2,086.69 \$ 2,086.69	Unit Price \$ 537.32 \$ 537.32	Item Total \$ 2,149.29 \$ 2,149.29	Unit Price \$ 553.44 \$ 553.44	Item Total \$ 2,213.77 \$ 2,213.77	Unit Price \$ 570.05 \$ 570.05	tem Total \$ 2,280.19 \$ 2,280.19	Unit Price \$ 587.15 \$ \$ 587.15 \$	Item Total
	1 2 3	Rain Event Monitoring Rain Event Sampling Lab Sampling Fees	EA EA	Estimated 4 4 4	\$ 521.67 \$ 521.67 \$ 2,862.94	Item Total \$ 2,086.69 \$ 2,086.69 \$ 11,451.77	\$ 537.32 \$ 537.32 \$ 2,948.83	tem Total \$ 2,149.29 \$ 2,149.29 \$ 11,795.33	Unit Price \$ 553.44 \$ 553.44 \$ 3,037.30	tem Total \$ 2,213.77 \$ 2,213.77 \$ 12,149.19	\$ 570.05 \$ 570.05 \$ 3,128.42	\$ 2,280.19 \$ 2,280.19 \$ 2,280.19 \$ 12,513.66	Unit Price \$ 587.15 \$ \$ 587.15 \$ \$ 3,222.27 \$	
	1 2 3 4	Rain Event Monitoring Rain Event Sampling Lab Sampling Fees ERA Technical Report - Level 1, or Level 2 (per location)	EA EA EA	Estimated 4 4	Unit Price \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80	Item Total \$ 2,086.69 \$ 2,086.69 \$ 11,451.77 \$ 1,912.80	\$ 537.32 \$ 537.32 \$ 2,948.83 \$ 1,970.19	Item Total \$ 2,149.29 \$ 2,149.29 \$ 11,795.33 \$ 1,970.19	\$ 553.44 \$ 553.44 \$ 3,037.30 \$ 2,029.29	tem Total \$ 2,213.77 \$ 2,213.77 \$ 12,149.19 \$ 2,029.29	\$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17	\$ 2,280.19 \$ 2,280.19 \$ 12,513.66 \$ 2,090.17	Unit Price \$ 587.15 \$ \$ 587.15 \$ \$ 3,222.27 \$ \$ 2,152.88 \$	Item Total
	1 2 3 4 5 5	Rain Event Monitoring Rain Event Sampling Lab Sampling Fees ERA Technical Report - Level 1, or Level 2 (per location) ERA Action Plan - Level 1, or Level 2 (per location)	EA EA EA EA	4 4 4 4 1 1	Unit Price \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80 \$ 1,912.80	tem Total \$ 2,086.69 \$ 2,086.69 \$ 11,451.77 \$ 1,912.80 \$ 1,912.80	\$ 537.32 \$ 537.32 \$ 2,948.83 \$ 1,970.19 \$ 1,970.19	Item Total	\$ 553.44 \$ 553.44 \$ 3,037.30 \$ 2,029.29 \$ 2,029.29	Item Total	\$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17 \$ 2,090.17	\$ 2,280.19 \$ 2,280.19 \$ 2,280.19 \$ 12,513.66 \$ 2,090.17 \$ 2,090.17	\$ 587.15 \$ 587.15 \$ 587.15 \$ 587.15 \$ \$ 3,222.27 \$ 2,152.88 \$ \$ 2,152.88 \$	Item Total
	1 2 3 4 5 6 6 7	Rain Event Monitoring Rain Event Sampling Lab Sampling Fees LBA Technical Report - Level 1, or Level 2 (per location) ERA Action Plan - Level 1, or Level 2 (per location) TMDL Sampling - Rain Event Sampling	EA EA EA EA EA	4 4 1 1 1 2	Unit Price \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80 \$ 1,912.80 \$ 521.67	\$ 2,086.69 \$ 2,086.69 \$ 11,451.77 \$ 1,912.80 \$ 1,043.35	\$ 537.32 \$ 537.32 \$ 2,948.83 \$ 1,970.19 \$ 1,970.19 \$ 537.32	Item Total \$ 2,149.29 \$ 2,149.29 \$ 11,795.33 \$ 1,970.19 \$ 1,970.19 \$ 1,074.65	Unit Price \$ 553.44 \$ 553.44 \$ 3,037.30 \$ 2,029.29 \$ 2,029.29 \$ 553.44	tem Total \$ 2,213.77 \$ 2,213.77 \$ 12,149.19 \$ 2,029.29 \$ 2,029.29 \$ 1,106.89	\$ 570.05 \$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17 \$ 2,090.17 \$ 570.05	\$ 2,280.19 \$ 2,280.19 \$ 2,280.19 \$ 12,513.66 \$ 2,090.17 \$ 2,090.17 \$ 1,140.09	\$ 587.15 \$ 587.15 \$ 587.15 \$ 3,222.27 \$ 2,152.88 \$ \$ 2,152.88 \$ \$ 587.15 \$	Item Total
	1 2 3 4 5 6 7 8	Rain Event Monitoring Rain Event Sampling Rain Event Sampling Fees ERA Technical Report - Level 1, or Level 2 (per location) ERA Action Plan - Level 1, or Level 2 (per location) TMDL Sampling - Rain Event Sampling TMDL Sampling - Lab Fee	EA EA EA EA EA EA	4 4 1 1 1 2 2 2	Unit Price \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80 \$ 1,912.80 \$ 521.67 \$ 2,890.94	tem Total \$ 2,086.69 \$ 2,086.69 \$ 11,451.77 \$ 1,912.80 \$ 1,912.80 \$ 1,043.35 \$ 5,781.88	\$ 537.32 \$ 537.32 \$ 2,948.83 \$ 1,970.19 \$ 1,970.19 \$ 537.32 \$ 2,977.67	Item Total \$ 2,149.29 \$ 2,149.29 \$ 11,795.33 \$ 1,970.19 \$ 1,074.65 \$ 5,955.34	Unit Price \$ 553.44 \$ 553.44 \$ 3,037.30 \$ 2,029.29 \$ 2,029.29 \$ 553.44 \$ 3,067.00	Item Total \$ 2,213.77 \$ 2,213.77 \$ 12,149.19 \$ 2,029.29 \$ 2,029.29 \$ 1,106.89 \$ 6,134.00 \$ 6,134.00	\$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17 \$ 2,090.17 \$ 570.05 \$ 3,159.01	tem Total \$ 2,280.19 \$ 2,280.19 \$ 2,280.19 \$ 12,513.66 \$ 2,090.17 \$ 2,090.17 \$ 1,140.09 \$ 6,318.02	\$ 587.15 \$ 587.15 \$ \$ 587.15 \$ \$ 3,222.27 \$ \$ 2,152.88 \$ \$ 2,152.88 \$ \$ 587.15 \$ \$ 587.15 \$ \$ 3,253.78 \$	Item Total
	1 2 3 4 5 6 7 8 9 9	Rain Event Monitoring Rain Event Sampling Lab Sampling Fees ERA Technical Report - Level 1, or Level 2 (per location) ERA Action Plan - Level 1, or Level 2 (per location) TIMDL Sampling - Rain Event Sampling TIMDL Sampling - Lab Fee BMP Replacement - Fabco Cartridges (KMD Location only)	EA EA EA EA EA EA EA	4 4 4 1 1 2 2 2 6 6	\$ 521.67 \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80 \$ 1,912.80 \$ 521.67 \$ 2,890.94 \$ 451.87	ttem Total \$ 2,086.69 \$ 2,086.69 \$ 11,451.77 \$ 1,912.80 \$ 1,043.35 \$ 5,781.88 \$ 2,711.24	\$ 1,970.19 \$ 2,948.83 \$ 1,970.19 \$ 537.32 \$ 2,948.83 \$ 1,970.19 \$ 537.32 \$ 2,977.67 \$ 465.43	Item Total	Unit Price \$ 553.44 \$ 553.44 \$ 3,037.30 \$ 2,029.29 \$ 2,029.29 \$ 553.44 \$ 3,067.00 \$ 479.39	Item Total	\$ 570.05 \$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17 \$ 570.05 \$ 3,159.01 \$ 493.77	Item Total	\$ 587.15 \$ 587.15 \$ 587.15 \$ 587.15 \$ \$ 3,222.27 \$ \$ 2,152.88 \$ \$ 2,152.88 \$ \$ 587.15 \$ \$ 3,253.78 \$ \$ 508.59 \$ \$	item Total 5 2,348.59 5 2,348.59 5 12,889.07 6 2,152.88 6 2,152.88 6 1,174.30 6 6,507.56 6 3,051.53
	1 2 3 4 5 6 7 8 9	Rain Event Monitoring Rain Event Sampling Rain Event Sampling Lab Sampling Fees ERA Technical Report - Level 1, or Level 2 (per location) ERA Action Plan - Level 1, or Level 2 (per location) TMDL Sampling - Rain Event Sampling TMDL Sampling - Rain Event Sampling TMDL Sampling - Lab Fee BMP Replacement - Fabco Cartridges (KMD Location only) BMP Replacement - LIDMIX (Media pillow only, IAD and Trolley Locations	EA	Estimated	Unit Price \$ 521.67 \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80 \$ 1,912.80 \$ 521.67 \$ 2,899.94 \$ 451.87 \$ 136.33	Item Total	Unit Price \$ 537.32 \$ 537.32 \$ 2,948.83 \$ 1,970.19 \$ 1,970.19 \$ 537.32 \$ 2,977.67 \$ 465.43 \$ 140.42	Item Total	Unit Price \$ 553.44 \$ 553.45 \$ 3,037.30 \$ 2,029.29 \$ 2,029.29 \$ 553.44 \$ 3,067.00 \$ 479.39 \$ 144.63	Item Total	Unit Price \$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17 \$ 2,090.17 \$ 570.05 \$ 3,159.01 \$ 493.77 \$ 148.97	Item Total	Unit Price \$ 587.15	Item Total
	1 2 3 4 5 6 7 8 9	Rain Event Monitoring Rain Event Sampling Lab Sampling Fees ERA Technical Report - Level 1, or Level 2 (per location) ERA Action Plan - Level 1, or Level 2 (per location) TMDL Sampling - Rain Event Sampling TMDL Sampling - Lab Fee BMP Replacement - Fabco Cartridges (KMD Location only) BMP Replacement - LUDMIX (Media pillow only, IAD and Trolley Locations BMP Replacement - 2x Sediment Traps (Trolley Location only)	EA	Estimated	Unit Price \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80 \$ 1,912.80 \$ 521.67 \$ 2,890.94 \$ 451.87 \$ 136.33 \$ 843.49	Item Total	Unit Price \$ 537.32 \$ 537.32 \$ 2,948.83 \$ 1,970.19 \$ 1,970.19 \$ 537.32 \$ 2,977.67 \$ 465.43 \$ 140.42 \$ 868.79	Item Total	Unit Price \$ 553.44 \$ 3,037.30 \$ 2,029.29 \$ 2,029.29 \$ 5,553.44 \$ 3,067.00 \$ 479.39 \$ 144.63 \$ 894.86	Item Total	Unit Price \$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17 \$ 2,090.17 \$ 570.05 \$ 3,159.01 \$ 493.77 \$ 148.97 \$ 921.70	Rem Total	Unit Price \$ 587.15 \$ 587.15 \$ 3,222.27 \$ 2,152.88 \$ 2,152.88 \$ 587.15 \$ 3,253.78 \$ 508.59 \$ 153.44 \$ 949.35	ttem Total 5 2,348.59 5 2,348.59 5 12,889.07 5 2,152.88 6 1,174.30 6 6,507.56 5 3,051.53 5 3,375.71 5 1,898.71
	1 2 3 4 5 6 7 8 9 10	Rain Event Monitoring Rain Event Sampling Rain Event Sampling Lab Sampling Fees ERA Technical Report - Level 1, or Level 2 (per location) ERA Action Plan - Level 1, or Level 2 (per location) TIMDL Sampling - Rain Event Sampling TIMDL Sampling - Rain Event Sampling TIMDL Sampling - Lab Fee BMP Replacement - Faboc Cartridges (KMD Location only) BMP Replacement - LIDMIX (Media pillow only, IAD and Trolley Locations BMP Replacement - 2XS Ediment Traps (Trolley Location only) BMP Replacement - ZPG Cartridges (IAD Location only)	EA	Estimated	Unit Price \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80 \$ 1,912.80 \$ 521.67 \$ 2,890.94 \$ 451.87 \$ 136.33 \$ 843.49 \$ 485.08	Item Total	Unit Price \$ 537.32 \$ 537.32 \$ 2,948.83 \$ 1,970.19 \$ 1,970.19 \$ 537.32 \$ 2,977.67 \$ 465.43 \$ 140.42 \$ 868.79 \$ 499.63	Item Total	Unit Price \$ 553.44 \$ 3,037.30 \$ 2,029.29 \$ 2,029.29 \$ 553.44 \$ 3,067.00 \$ 479.39 \$ 144.63 \$ 894.86 \$ 5 514.62	Item Total \$ 2,213.77 \$ 2,213.77 \$ 12,149.19 \$ 2,029.29 \$ 2,029.29 \$ 1,106.89 \$ 6,134.00 \$ 2,876.36 \$ 3,181.93 \$ 1,789.71 \$ 18,011.56	Unit Price \$ 570.05 \$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17 \$ 2,090.17 \$ 570.05 \$ 3,159.01 \$ 493.77 \$ 148.97 \$ 921.70 \$ 530.05	temTotal	Unit Price \$ 587.15 \$ 587.15 \$ 3,222.27 \$ 2,152.88 \$ 2,152.88 \$ 5 87.15 \$ 3,253.78 \$ 508.59 \$ 153.44 \$ 949.35 \$ 949.35	ItemTotal
	1 2 3 4 5 6 7 8 9 10 11	Rain Event Monitoring Rain Event Sampling Rain Event Sampling Lab Sampling Fees ERA Technical Report - Level 1, or Level 2 (per location) ERA Action Plan - Level 1, or Level 2 (per location) TMDL Sampling - Rain Event Sampling TMDL Sampling - Rain Event Sampling TMDL Sampling - Lab Fee BMP Replacement - Fabco Cartridges (KMD Location only) BMP Replacement - LIDMIX (Media pillow only, IAD and Trolley Locations BMP Replacement - Zx Sediment Traps (Trolley Location only) BMP Replacement - ZFG Cartridges (IAD Location only) As-Needed Repairs - Single Person Crew - Straight Time	EA E	Estimated 4 4 1 1 2 2 6 22 2 35 16	Unit Price \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80 \$ 521.67 \$ 2,880.94 \$ 451.87 \$ 136.33 \$ 485.08 \$ 485.08 \$ 83.49	Item Total	Unit Price \$ 537.32 \$ 537.32 \$ 2,948.83 \$ 1,970.19 \$ 1,970.19 \$ 537.32 \$ 2,977.67 \$ 465.43 \$ 140.42 \$ 868.79 \$ 499.63 \$ 87.76	Item Total	Unit Price \$ 553.44 \$ 553.44 \$ 3,037.30 \$ 2,029.29 \$ 553.44 \$ 3,067.00 \$ 479.39 \$ 144.63 \$ 894.86 \$ 514.62 \$ 90.40	Item Total	Unit Price \$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17 \$ 570.05 \$ 3,159.01 \$ 493.77 \$ 148.97 \$ 921.70 \$ 530.05 \$ 93.11	RemTotal	Unit Price \$ 587.15 \$ 587.15 \$ 3,222.7 \$ 2,152.88 \$ 577.15 \$ 3,253.78 \$ 508.59 \$ 153.44 \$ 949.35 \$ 545.96 \$ 95.90	Item Total
	1 2 3 4 5 6 7 8 9 10	Rain Event Monitoring Rain Event Sampling Rain Event Sampling Lab Sampling Fees ERA Technical Report - Level 1, or Level 2 (per location) ERA Action Plan - Level 1, or Level 2 (per location) TIMDL Sampling - Rain Event Sampling TIMDL Sampling - Rain Event Sampling TIMDL Sampling - Lab Fee BMP Replacement - Faboc Cartridges (KMD Location only) BMP Replacement - LIDMIX (Media pillow only, IAD and Trolley Locations BMP Replacement - 2XS Ediment Traps (Trolley Location only) BMP Replacement - ZPG Cartridges (IAD Location only)	EA	Estimated	Unit Price \$ 521.67 \$ 521.67 \$ 2,862.94 \$ 1,912.80 \$ 1,912.80 \$ 521.67 \$ 2,890.94 \$ 451.87 \$ 136.33 \$ 843.49 \$ 485.08	Item Total	Unit Price \$ 537.32 \$ 537.32 \$ 2,948.83 \$ 1,970.19 \$ 1,970.19 \$ 537.32 \$ 2,977.67 \$ 465.43 \$ 140.42 \$ 868.79 \$ 499.63 \$ 87.76 \$ 175.53	tkem Total	Unit Price \$ 553.44 \$ 553.44 \$ 3,037.30 \$ 2,029.29 \$ 2,029.29 \$ 553.44 \$ 3,067.00 \$ 479.39 \$ 144.63 \$ 894.86 \$ 5114.62 \$ 90.40 \$ 180.79	them Total	Unit Price \$ 570.05 \$ 570.05 \$ 3,128.42 \$ 2,090.17 \$ 2,090.17 \$ 570.05 \$ 3,159.01 \$ 493.77 \$ 148.97 \$ 921.70 \$ 530.05 \$ 93.11 \$ 186.22	RemTotal	Unit Price \$ 587.15 \$ 587.15 \$ 3,222.27 \$ 2,152.88 \$ 2,152.88 \$ 587.15 \$ 587.15 \$ 587.15 \$ 3,253.78 \$ 508.59 \$ 153.44 \$ 949.35 \$ 949.35 \$ 95.90 \$ 151.80	ItemTotal

 Year One
 7/1/21 - 6/30/22
 Year Two
 7/1/22-6/30/23
 Year Three
 7/1/23 - 6/30/24
 Year Four

able II: AS-NEEDED SERVICES						
	Item	Description	UOM	Estimated		
	1	Rain Event Monitoring	EA	4	\$	20,634.98
	2	Rain Event Sampling	EA	4	\$	20,634.98
	3	Lab Sampling Fees	EA	4	\$	113,244.79
	4	ERA Technical Report - Level 1, or Level 2 (per location)	EA	1	\$	18,915.40
	5	ERA Action Plan - Level 1, or Level 2 (per location)	EA	1	\$	18,915.40
	6	TMDL Sampling - Rain Event Sampling	EA	2	\$	10,317.49
	7	TMDL Sampling - Lab Fee	EA	2	\$	57,176.10
	8	BMP Replacement - Fabco Cartridges (KMD Location only)	EA	6	\$	26,811.03
	9	BMP Replacement - LIDMIX (Media pillow only, IAD and Trolley Locations	EA	22	\$	29,659.35
	10	BMP Replacement - 2x Sediment Traps (Trolley Location only)	EA	2	\$	16,682.24
	11	BMP Replacement - ZPG Cartridges (IAD Location only)	EA	35	\$	167,889.09
	12	As-Needed Repairs - Single Person Crew - Straight Time	HR	16	\$	13,481.52
	13	As-Needed Repairs - Two Person Crew - Straight Time	HR	16	\$	26,963.04
	14	As-Needed QISP Consulting Services - Straight Time	HR	20	\$	20,634.98
			Tabl	o II Cubtotale:	Ċ	E 61 060 40

Table II: AS-NEEDED SERVICES

			Year One	7/1/21 - 6/30/22	Year Two	7/1/22-6/30/23	Year Three	7/1/23 - 6/30/24	Year Four	7/1/24 - 6/30/25	Year Five	7/1/25 - 6/30/26
Table III: AS-NEEDED REPLACEME	Item	Description	% Mark Up	Item Total	% Mark Up	Item Total	% Mark Up	Item Total	% Mark Up	Item Total	% Mark Up	Item Total
	1	Annual Materials/Parts Allowance	10.00%	\$ 5,000.00	10.00%	\$ 5,000.00	10.00%	\$ 5,000.00	10.00%	\$ 5,000.00	10.00%	\$ 5,000
	2	Materials markup	10.00%	\$ 500.00	10.00%	\$ 500.00	10.00%	\$ 500.00	10.00%	\$ 500.00	10.00%	\$ 500
				\$ 5,500.00		\$ 5,500.00		\$ 5,500.00		\$ 5,500.00		\$ 5,500
Table III Subtotals:				\$ 103,390.09		\$ 106,326.79		\$ 109,351.60		\$ 112,467.14		\$ 115,676
			Ontional Voor One	7/1/26 6/20/27	Ontional Voor Two	7/1/27 6/20/20	Ontional Voor Thro	7/1/27 6/20/20	Ontional Voor Four	7/1/27 6/20/20	Ontional Voor Five	7/1/27 6/20/21

			Optional Year One	7/1/2	6 - 6/30/27	Optional Year Two	7/1/	27 - 6/30/28	Optional Year Three	7/1/2	7 - 6/30/29	Optional Year Four	7/1/27	- 6/30/30	Optional Year Five	7/1/27	- 6/30/31
Table III: AS-NEEDED REPLACEME	Item	Description	% Mark Up	It	em Total	% Mark Up		Item Total	% Mark Up	It	em Total	% Mark Up		tem Total	% Mark Up	ľ	tem Total
	1	Annual Materials/Parts Allowance	10.00%	\$	5,000.00	10.00%	\$	5,000.00	10.00%	\$	5,000.00	10.00%	\$	5,000.00	10.00%	\$	5,000.00
	2	Materials markup	10.00%	\$	500.00	10.00%	\$	500.00	10.00%	\$ 500.		10.00%	\$ 500		10.00%	\$	500.00
·				\$	5,500.00		\$	5,500.00		\$	5,500.00		\$	5,500.00		\$	5,500.00
Table III Subtotals:				\$	118,981.44		\$	122,385.89		\$	125,892.46		\$	129,504.24		\$	133,224.36

Table III: AS-NEEDED REPLACEME	Item	Description	1	
	1	Annual Materials/Parts Allowance	\$	50,000.00
	2	Materials markup	\$	5,000.00
			\$	55,000.00
Table III Subtotals:			\$	1,177,200.18



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101-7490 (619) 231-1466 • FAX (619) 234-3407

Agenda Item No. $\frac{7}{}$

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

Draft for Executive Committee

Review Date: 06/10/2021

SUBJECT:

TRACTION POWER SUBSTATIONS (TPSS) BUILDINGS REPAIR – CONSTRUCTION

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors:

- Ratify CCO 01 to Work Order MTSJOC312-01, under Job Order Contract (JOC) MTS Doc No. PWL312.0-20 (Attachment A) with HMS Construction, Inc. (HMS), totaling \$11,042.92 for sealing, caulking, and painting of the siding panels of the substations; and
- 2) Authorize the Chief Executive Officer (CEO) to execute CCO 02 to Work Order MTSJOC312-02, under JOC MTS Doc No. PWL312.0-20 (in substantially the same format as Attachment B) with HMS, totaling \$146,341.65 for the repair of an additional seven (7) TPSS locations on the Green Line.

Budget Impact

CHANGE ORDERS (CCO)

The total cost of this project will be increased to \$292,377.35. Under separate contract, MTS Doc No. L1282.0-16, with The Gordian Group, MTS will pay a 1.95% JOC software license fee in the amount of \$3,069.00 for CCOs 01 and 02. Work Order and CCO 01 are funded by MTS Capital Improvement Project (CIP) 2006112301 - Traction Power Substations Building Repair, and CCO 02 is funded by Maintenance of Wayside operating account number 360016-571142.

MTS Doc No.	Purpose	Amount	Board Approval Date
PWL312.0-20	Seven (7) Traction Power Substations (TPSS) Building Repair	\$134,992.78	10/15/20, Item 8
CCO 01	Sealing, Caulking, and Painting of the side panels	\$11,042.92	CEO approval 3/24/21 per Board Policy No. 41
CCO 02	Additional 7 TPSS Building Repair	\$146,341.65	Today's Proposed Action
	TOTAL	\$292,377.35	



DISCUSSION:

There are thirty-two (32) TPSS along the Green and Orange Trolley lines that have been in service for more than 20 years. Currently, the exterior and roofs of many TPSS are leaking water and require repairs. The work is necessary to eliminate safety hazards for maintenance employees and reduce system downtime caused by electric shortages due to water leakage.

On October 15, 2020 (Al 8), the MTS Board approved the original Work Order (using MTS's master Job Order Contract with HMS) to repair the seven (7) highest priority TPSS structures Front A, Front B, Morena, Fashion Valley, Mission Valley, Stadium West TPSS, and Stadium East TPSS located along the Green Line.

On March 24, 2021, MTS authorized CCO 01 to HMS for additional caulk and paint for the TPSS structures.

Today's proposed action would issue CCO 2 to HMS, adding repair of the next seven (7) TPSS to the open Work Order MTSJOC312-01:

- Bean
- Congress
- Las Cumbres
- I-805
- Grossmont
- Gillespie
- Airport Vista

The work includes roof repairing, sealing, caulking, and painting the structures in the same manner as the other stations prior to the Fall rainy season. Pricing for this repair work order was reviewed and determined to be fair and reasonable. HMS will be providing all materials, labor, and equipment necessary for the repairs. The work is scheduled to be completed by October 2021. The pricing provided by HMS was determined to be fair and reasonable in comparison to the existing contract and the independent cost estimate (ICE).

Additional CIP funding requests for FY 22–26 are needed to address the remaining locations.

Therefore, staff recommends that the MTS Board:

1) Ratify CCO 01 to Work Order MTSJOC312-01, under JOC MTS Doc No. PWL312.0-20 (Attachment A) with HMS, totaling \$11,042.92 for sealing, caulking, and painting of the siding panels of the substations; and

2) Authorize the CEO to execute CCO 02 to Work Order MTSJOC312-01, under JOC MTS Doc No. PWL312.0-20 (in substantially the same format as Attachment B) with HMS, totaling \$146,341.65 for the repair of an additional seven (7) TPSS locations on the Green Line.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, <u>Julia.Tuer@sdmts.com</u>

Attachments: A. Work Order Contract MTSJOC312-01.01, MTS Doc No. PWL312.0-20

B. Draft Work Order Contract MTSJOC312-01.02, MTS Doc No. PWL312.0-20



Project Name: TPSS Roof Repairs	Date: 3	.15.21	
o: MTS	CCO Number: 01		
rom (Contractor): HMS Construction Inc.			
Description of Work Fieldwork Directive Issued	₁ .		
This CCO is prepared in accordance with and incorporates Section and consists of: Sealing, caulking, and painting the siding panels of the substations	n Changes and Extra W	ork of the Contra	ct Document
a. Contractor Cost Proposal			
	\$ 11,042.92 L.S.		
S. Subcontractors Costs		Subtotal A: _\$	11,042.92
, oursellinations costs	\$		
		Subtotal B: \$	1.
. Contractor Credits			
		Subtotal C: \$	*
	Total = (A + B + C)	Total: _\$	11,042.92
riginal Contract value:		\$	134,992.78
djustment by Change Order No. <mark>X</mark> through Change Order <mark>X (if applicable)</mark>		\$	
djustment by this Change Order		\$	11,042.92
ew Contract Amount	Total:	\$	146,035.70
e Contract Time due to this Change Order will be: Increased Decreased	☐ Unchanged	by 60	days
riginal Completion Date: ljustment by Change Order No. <mark>X</mark> through Change Order <mark>X (if applicable)</mark>	_	2/21/21	
ljustment by this Change Order	60		
ew Completion Date	4/22/21		
lestones Affected:	•		
Belyllan 3.16.21 Contractor Date:	Chief Executive Officer	for 3-24-2	021
A STATE OF THE STA	Or and a substitution of the substitution of t		

EXHIBIT A (Scope of Work)

San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



Date: 3/15/2021

Job Order Contracting

Final Scope of Work

To: From:

Contract No: PWL312.0-20

Job Order No: MTSJOC312-01.01

Job Order Title: TPSS Roof Repairs - CCO # 1

Location: Green Line ROW

1255 Imperial Ave San Diego, CA 92101

Brief Scope: Scope of work:The Contractor shall be responsible for the complete inspection,

material supply, delivery, installation, and all required hardware and equipment, and Contract coordination with SDTI, to support an integrated construction during all phases of the work. The work shall consist of procuring and painting panels, gasket material, caulking basic cleaning and primer and coating to the vertical surfaces of seven (7) existing substations. The vertical surfaces have seam's approximately every 18 inches that will need to be filled with sealant. The paint should be ANSI 61 Gray and should be painted on the vertical surface from the Drip edge to the foundation I beams where they attach to the concrete pad. The Building anchors should also be painted. The ground pad and the Grounding cable should not be painted. The work shall consist of, but is not limited to: The Contractor shall furnish all labor, equipment, materials and accessories required to make repairs to substations In addition, the Contractor shall provide all required support and services, including from their equipment and material suppliers. covering all Contract materials and equipment manufacture, shop and field fabrication. This includes any manufacturer's field engineering assistance deemed necessary during the system installation and for all necessary changes to the system and equipment resulting from manufacturing discrepancies identified during the installation, at no additional cost to SDTI. Contractor shall be responsible for providing all required support for equipment manufacturers during

Scope of work:

- The Contractor shall be responsible for the complete inspection, material supply, delivery, installation, and all required hardware and equipment, and Contract coordination with SDTI, to support an integrated construction during all phases of the work.
- 2. The work shall consist of procuring and painting panels, gasket material, caulking basic cleaning and primer and coating to the vertical surfaces of seven (7) existing substations. The vertical surfaces have seam's approximately every 18 inches that will need to be filled with sealant. The paint should be ANSI 61 Gray and should be painted on the vertical surface from the Drip edge to the foundation I beams where they attach to the concrete pad. The Building anchors should also be painted. The ground pad and the Grounding cable should not be painted.
- 3. The work shall consist of, but is not limited to:
- 4. The Contractor shall furnish all labor, equipment, materials and accessories required to make repairs to substations
- 5. In addition, the Contractor shall provide all required support and services, including from their equipment and material suppliers, covering all Contract materials and equipment manufacture, shop and field fabrication. This includes any manufacturer's field engineering assistance deemed necessary during the system installation and for all necessary changes to the system and equipment resulting from manufacturing discrepancies identified during the installation, at no additional cost to SDTI.
- 6. Contractor shall be responsible for providing all required support for equipment manufacturers during field assembly, installation of each traction power substation.

Thang Nguyen, Systems Engineer	Date

EXHIBIT B (Cost Breakdown)



By Division Report

Version: 2.0

Approved 03/11/2021 02:45:28 PM PST

JOC Name (Contractor): HMS Construction Inc.

Contract Name: RAILROAD SIGNALS, Overhead Catenary Systems and Track

Contract Number: PWL312.0-20

Job Order Number: MTSJOC312-01.01

Job Order Title: TPSS Roof Repairs - CCO # 1

Location: Green Line ROW

Cost Proposal Date: March 11, 2021

Proposal Value: \$11,042.92

Division		Division Totals
01	General Requirements	-\$18,107.18
07	Thermal And Moisture Protection	\$8,481.90
09	Finishes	\$20,668.20
	Proposal Total(Filtered):	\$11,042.92
	The Percentage of Non Pre-Priced on this Proposal:	0.00%

Print Date: 03/15/2021 09:59:33 AM PST

Page 1 of 4



By Division Report

Version: 2.0

Approved 03/11/2021 02:45:28 PM PST

JOC Name (Contractor): HMS Construction Inc.

Contract Name: RAILROAD SIGNALS, Overhead Catenary Systems and Track

Contract Number: PWL312.0-20

Job Order Number MTSJOC312-01.01

Job Order Title TPSS Roof Repairs - CCO # 1

Location: Green Line ROW

Cost Proposal Date: March 11, 2021

Proposal Value: \$11,042.92

Record #	CSI Number	MOD	UOM	Description		Unit Price		Factor		Total
01 Genera	l Requirements									-\$18,107.18
1	012223000053		WK	17' Electric, Scissor Pl	atfo	m Lift				
	Accepted	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		Installation	WK	-14.00	Х	\$292.86	х	1.0000	=	-\$4,100.04
Labor Exclu	ded Equ	ipment Exclud	ed						_	-\$4,100.04
	User Note:									
	Item Note:									
	Owner Comments:									
Co	ntractor Comments:	V:1.1-Not requ	iired							
2	017113000004		EA	First 25 Miles, Equipm Tractor Trailer With Up			ıp, Mo	bilization And	d Demob	ilization Using A
	Accepted	•		Quantity	х	Unit Price	х	Factor	=	LineTota
		Installation	EA	-14.00	Х	\$725.51	Х	1.0000	=	-\$10,157.14
	Mate	rials Excluded							_	-\$10,157.14
	User Note:									
		for return and gradalls, road finishers, strai	transpo graders ght mas	down of equipment, deliving away. For equipment, loader-backhoes, heast construction forklifts, to man lifts with >40' boor	ent s vy d eles	such as bulldoz uty constructio coping boom r	zers, r n Ioad	notor scraper ders, tractors,	s, hydra pavers,	ulic excavators, rollers, bridge
	Owner Comments:									
	ntractor Comments:	V:1.1-Not Req								
3	017419000012		EA	10 CY Dumpster (1.5	Γon)	"Construction	Debr	is"		
	Accepted			Quantity	X	Unit Price	X	Factor	=	LineTotal
		Installation	EA	-7.00	Х	\$550.00	Χ	1.0000	=	-\$3,850.00
Labor Exclu	ded Equ User Note:	ipment Exclud	ed							-\$3,850.00
	Item Note:	Includes delive	ery of d	umpster, rental cost, pic	k-up	cost, hauling,	and o	disposal fee.	Non-haz	ardous material.
	Owner Comments:									
Co	ntractor Comments:	V:1.1-Not Reg	uired							

Price Proposal Details Report Page 2 of 4

Print Date: 03/15/2021 09:59:33 AM PST



Att. A ALT. 06/17/2021 Detail

By Division Report

Version: 2.0

Approved 03/11/2021 02:45:28 PM PST

Record #	CSI Number	MOD	UOM	Description		Unit Price		Factor		Total
07 Therma	l And Moisture Pro	tection								\$8,481.90
4	079213000005		CLF	3/8" x 3/8" Joint, Silicon	ne S	Sealant And Ca	aulkin	9		
	Accepted	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	CLF	21.00	Х	\$321.77	Х	1.0000	=	\$6,757.17
		Demo	CLF	21.00	Х	\$82.13	Х	1.0000	=	\$1,724.73
										\$8,481.90
	User Note:	This option is	to remo	ve and install all new ca	aulk	ing BEFORE	finish	paint		
	Item Note:									
	Owner Comments:									
Cor	ntractor Comments: \	V:1.1-This ren	noves th	e amount noted in 01 Ba	ase	Proposal for c	aulkin	ig "as needed	d"	

Print Date: 03/15/2021 09:59:33 AM PST

Re	cord#	CSI Number	MOD	UOM	Description	Unit Price	Factor	Total
09	Finishes							\$20,668.20
	5	099653000005		SF	Paint, Airless Spray, Elaste	omeric, Per Coat		
		Accepted			Quantity x	Unit Price x	Factor =	LineTotal
			Installation	SF	15,540.00 x	\$1.33 x	1.0000 =	\$20,668.20
								\$20,668.20
		User Note:						
		Item Note:						
	(Owner Comments:						
	Cont	ractor Comments:						
							Tota	l: \$11,042.92
						Proposa	l Total(Filtered)	\$11,042.92
					The Percentage of I	Non Pre-Priced o	n this Proposal	: 0.00%

Print Date: 03/15/2021 09:59:33 AM PST

EXHIBIT C (Subcontractor Listing)

San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



Date: 3/16/2021

Job Order Contracting

Subcontractor Report

Contract #: PWL312.0-20

Job Order #: MTSJOC312-01.01

Job Order Title: TPSS Roof Repairs - CCO # 1

Location: Green Line ROW

Contractor: HMS Construction Inc.

Subcontractor: General Coatings

Subcontractor Name	License Number	Describe Nature of Work (Trade)	Certifications	Subcontractor Total	%
General Coatings 6711 Nancy Ridge Rd, San Diego, CA 92120	527547	Waterproofer		\$11,000.00	99.61%



CONSTRUCTION CHANGE ORDER

Project Name: TPSS Roof Repairs	Date: 6/17/	21
To: MTS	Contract Number: MTS	
From (Contractor): HMS Construction Inc.	CCO Number: 02	
Description of Work Fieldwork Directi	e Issued:	
This CCO is prepared in accordance with and incorporate and consists of: Repair of an additional 7 TPSS locations on the Green L Cumbres, I-805, Grossmont, Gillespie, and Airport Vista		of the Contract Documents
A. Contractor Cost Proposal		
A. Contractor Cost Proposal	0440.044.05 0	
	\$146,341.65 L.S. L.S.	
		Subtotal A. C. 440 044 05
	<u> </u>	Subtotal A: \$ 146,341.65
B. Subcontractors Costs	•	
	<u>\$ - </u>	
		Subtotal B: _\$ -
C. Contractor Credits		
		Subtotal C: \$ -
	•	Subtotal C: \$ -
	Total = (A + B + C)	Total: \$ 146,341.65
Driginal Contract value:		\$ 134,992.78
Adjustment by Change Order No. 1 through Change Order 1 <u>(if app</u>	cable)	\$ 11,042.92
Adjustment by this Change Order		\$ 146,341.65
New Contract Amount	Total:	\$ 292,377.35
The Contract Time due to this Change Order will be: ☑ Increased ☐	ecreased 🗆 Unchanged	by 60 days
Original Completion Date:		2/21/21
Adjustment by Change Order No. 1 through Change Order 1 <u>(if app</u> Adjustment by this Change Order	cable)	60 180
New Completion Date		10/19/21
Allestones Affected:		10/17/21
Contractor Date:	MTS Chief Executive Officer	Date:
Follow all applicable procedures and prov	le all appropriate documentation as requ	ired by
	ct Documents.	B-1

EXHIBIT A (Scope of Work)

San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



Final Scope of Work

Date: 5/19/2021

Job Order Contracting

To: From:

Contract No: PWL312.0-20

Job Order No: MTSJOC312-01.02

Job Order Title: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

Location: Green Line ROW

1255 Imperial Ave San Diego, CA 92101

Brief Scope: Adding additional 7 TPSS locations on the Green Line: - Bean, Congress, Las

Cumbres, I-805, Grossmont, Gillespie, and Airport Vista

The Contractor shall provide all labor, materials, equipment to complete the work in accordance with the Scope of Work. All work shall be in compliance with all local, state and federal rules and regulations, as applicable. The scope of work consists of the following:

- 1. Inspection, Repair, Seal walls and doors and coat roof
- The Contractor shall be responsible for the complete inspection, material supply, delivery, installation, and all required hardware and equipment, and Contract coordination with SDTI, to support an integrated construction during all phases of the work.
- 3. The work shall consist of procuring and installing repair panels, gasket material, caulking basic cleaning and primer, coating, and painting to the roofs of seven (7) existing substations.
- 4. The work shall consist of, but is not limited to:
- 5. The Contractor shall furnish all labor, equipment, materials and accessories required to make repairs to substations
- 6. In addition, the Contractor shall provide all required support and services, including from their equipment and material suppliers, covering all Contract materials and equipment manufacture, shop and field fabrication. This includes any manufacturer's field engineering assistance deemed necessary during the system installation and for all necessary changes to the system and equipment resulting from manufacturing discrepancies identified during the installation, at no additional cost to SDTI.
- Contractor shall be responsible for providing all required support for equipment manufacturers during field assembly, installation of each traction power substation.
- 8. The second 7 TPSS are listed below:
 - i. Bean
 - ii. Congress
 - iii. Las Cumbres
 - iv. I-805
 - v. Grossmont
 - vi. Gillespie
 - vii. Airport Vista

Submittals: Construction Schedule and Work Plan

Coordination: MOW Supervisor, Arol Trewin

Work Hours: Weekdays 7:00am - 4:00pm

Thang	Nauven	, Systems	Engineer
HIIAHY	NGUYEII	, gysteilis	Eliqilleti

Date

EXHIBIT B (Cost Breakdown)



By Division Report Version: Working Version

Job: MTSJOC312-01.02: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

JOC Name (Contractor): HMS Construction Inc.

Contract Name: RAILROAD SIGNALS, Overhead Catenary Systems and Track

Contract Number: PWL312.0-20

Job Order Number: MTSJOC312-01.02

Job Order Title: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

Location: 20-Green Line ROW

Proposal Value: \$146,341.65

Division		Division Totals
01	General Requirements	\$93,461.55
05	Metals	\$0.00
07	Thermal And Moisture Protection	\$8,481.90
08	Openings	\$6,762.00
09	Finishes	\$37,636.20
10	Specialties	\$0.00
	Proposal Total:	\$146,341.65
	The Percentage of Non Pre-Priced on this Proposal:	0.00%

Price Proposal Details Report

Page 1 of 8

Print Date: 05/03/2021 11:21:25 AM PST

Att. B AL7 06/17/2021 Detail

By Division Report Version: Working Version

Job: MTSJOC312-01.02: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

JOC Name (Contractor): HMS Construction Inc.

RAILROAD SIGNALS, Overhead Catenary Systems and Track **Contract Name:**

Contract Number: PWL312.0-20

Job Order Number MTSJOC312-01.02

Job Order Title TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

Location: 20-Green Line ROW

\$146,341.65 **Proposal Value:**

Record #	CSI Number	MOD	UOM	Description		Unit Price		Factor		Total
01 Genera	al Requirements									\$93,461.55
1	012220000027		HR	Laborer						
	No Change	•		Quantity	×	Unit Price	х	Factor	=	LineTotal
		Installation	HR	392.00) х	\$73.42	Х	1.0000	=	\$28,780.64
	Equipment Exclude	d	Mate	rials Excluded					-	\$28,780.64
	User Note:	7 TPSS Subst	ations >	c 64 hours each						
	Item Note:	For tasks not i	ncluded	d in the Construction Ta	sk C	atalog® and a	s dire	cted by owne	er only.	
	Owner Comments:									
Co	entractor Comments:									
2	012220000027		HR	Laborer						
	No Change	-		Quantity	Х	Unit Price	х	Factor	=	LineTotal
		Installation	HR	560.00) х	\$73.42	Х	1.0000	=	\$41,115.20
	Equipment Exclude	d	Mate	rials Excluded					-	\$41,115.20
	User Note:	Roofing Supp	ort (7da	ays) and also weathers	rippi	ng (3 days)= 1	0days	s = 80 hrs x 7	7 each =	= 560hrs
	Item Note:	For tasks not i	ncluded	d in the Construction Ta	sk C	atalog® and a	s dire	cted by owne	er only.	
	Owner Comments:									
Co	entractor Comments:									
3	012220000052		HR	Truck Driver (Group 4)					
	No Change	-		Quantity	Х	Unit Price	х	Factor	=	LineTotal
		Installation	HR	196.00) x	\$71.68	Х	1.0000	=	\$14,049.28
	Equipment Exclude	d	Mate	rials Excluded					-	\$14,049.28
	User Note:									
	Item Note:	For tasks not i	ncluded	d in the Construction Ta	sk C	atalog® and a	s dire	cted by owne	er only.	
	Owner Comments:									

Price Proposal Details Report Print Date: 05/03/2021 11:21:25 AM PST

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By Division Report Version: Working Version

Job: MTSJOC312-01.02: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

4	012220000052	0001	HR	For Foreman, Add						
	No Change	-		Quantity	х	Unit Price	х	Factor	=	LineTotal
	•	Installation	HR	196.00	х	\$3.58	Х	1.0000	=	\$701.68
	Equipment Excluded	I	Mate	rials Excluded					-	\$701.68
	User Note:									
	Item Note:									
	Owner Comments:									
С	ontractor Comments:									
5	015219000002		WK	Portable Chemical Toile	et					
	No Change	-		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	WK	14.00	х	\$63.29	Х	1.0000	=	\$886.06
Labor Exc	luded Equi	pment Exclud	ded						-	\$886.06
	User Note:									
	Item Note:									
	Owner Comments:									
С	ontractor Comments:									
6	015219000007		WK	Service Trailer Restroo	ms,	3 Times Per	Week			
	No Change	-		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	WK	3.50	х	\$2,140.62	Х	1.0000	=	\$7,492.17
Labor Exc	luded Equi	pment Exclud	ded						-	\$7,492.17
	User Note:									
	Item Note:									
	Owner Comments:									
С	ontractor Comments:									
7	015219000008		WK	Two Station Portable H	anc	lwash				
	No Change	-		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	WK	14.00	х	\$31.18	Х	1.0000	=	\$436.52
Labor Exc	luded Equi	pment Exclud	ded						-	\$436.52
	User Note:									
	Item Note:									
	Owner Comments:									
С	ontractor Comments:									

Price Proposal Details Report Page 3 of 8

Print Date: 05/03/2021 P. 81:21:25 AM PST



By Division Report Version: Working Version

Job: MTSJOC312-01.02: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

Red	ord#	CSI Number	MOD	UOM	Description	Unit Price		Factor		Total
05	Metals									\$0.00
	8	050523001178		EA	12-24 x 1-1/2", Hex Wasl	ner Head, Teks	® 5 Se	elf Drilling Sc	rew	
		No Change	•		Quantity	Unit Price	х	Factor	=	LineTotal
			Installation	EA	0.00	\$3.05	Х	1.0000	=	\$0.00
									_	\$0.00
		User Note:								
		Item Note:								
		Owner Comments:								
	Co	entractor Comments:								
	9	051223000132		SI	Metal Grinding Up To 1/3	2" Thickness T	o Be F	Removed		
		No Change			Quantity	Unit Price	Х	Factor	=	LineTotal
			Installation	SI	0.00	\$0.70	Х	1.0000	=	\$0.00
		Equipment Excluded	I						_	\$0.00
		User Note:								
		Item Note:	ncludes rust o	or scale	removal on metal and smo	oothing surface				
		Owner Comments:								_
	Co	entractor Comments:								

Price Proposal Details Report Page 4 of 8

Print Date: 05/03/2021 11:21:25 AM PST



By Division Report Version: Working Version

Job: MTSJOC312-01.02: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

Record #	CSI Number	MOD	UOM	Description		Unit Price		Factor		Total
07 Therma	l And Moisture Pro	tection								\$8,481.90
10	079213000005		CLF	3/8" x 3/8" Joint, Silicon	ne S	Sealant And Ca	aulkino	9		
	No Change	,		Quantity	х	Unit Price	Х	Factor	=	LineTotal
		Installation	CLF	21.00	Х	\$321.77	Х	1.0000	=	\$6,757.17
		Demo	CLF	21.00	х	\$82.13	Х	1.0000	=	\$1,724.73
										\$8,481.90
	User Note:	This option is	to remo	ve and install all new ca	aulk	ing BEFORE	finish	paint		
	Item Note:									
	Owner Comments:									
Cor	ntractor Comments:									

Price Proposal Details Report Page 5 of 8 Print Date: 05/03/202 B-11.21:25 AM PST



By Division Report Version: Working Version

Job: MTSJOC312-01.02: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

Record #	CSI Number	MOD	UOM	Description		Unit Price		Factor		Total
08 Opening	gs									\$6,762.00
11	087233000170		LF	1-1/8" Cushion "V", Spr	ing	Bronze Perim	eter G	Basketing We	eather-Strip (Pemk	.o B75)
	No Change	,		Quantity	х	Unit Price	Х	Factor	=	LineTotal
		Installation	LF	1,400.00	Х	\$4.83	Х	1.0000	=	\$6,762.00
Labor Exclud	Labor Excluded									\$6,762.00
	User Note:	Mc Master Ca estimate 200	ırr mater If per TF	rial equivalant PSS x 7ea						
	Item Note:									
	Owner Comments:									
Con	tractor Comments:									

Price Proposal Details Report

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Print Date: 05/03/202 P-11:21:25 AM PST

By Division Report Version: Working Version

Job: MTSJOC312-01.02: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

Record #	CSI Number	MOD	UOM	Description		Unit Price		Factor		Total
9 Finishe	es									\$37,636.20
12	099653000004		SF	Paint, Conventional Spi	ay,	Elastomeric,	Per C	oat		
	No Change	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	SF	6,720.00	х	\$1.47	Х	1.0000	=	\$9,878.40
										\$9,878.40
	User Note:	480 sf x 2 coa	ts = 960	osf ea x 7 tpss = 6720 sf						
	Item Note:									
	Owner Comments:									
Co	ontractor Comments:									
13	099653000005		SF	Paint, Airless Spray, Ela	asto	omeric, Per Co	oat			
	No Change	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	SF	15,540.00	х	\$1.33	Х	1.0000	=	\$20,668.20
										\$20,668.20
	User Note:									
	Item Note:									
	Owner Comments:									
Co	ontractor Comments:									
14	099713230013		SF	Type 1 Structural Steel	SP	6 Commercial	Blast	Cleaning Su	rface Prep	aration
	No Change	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	SF	3,360.00	х	\$2.11	Х	1.0000	=	\$7,089.60
										\$7,089.60
	User Note:									
	Item Note:									
	Owner Comments:									
Co	ontractor Comments:									

Price Proposal Details Report

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Print Date: 05/03/202 P-11:21:25 AM PST



By Division Report Version: Working Version

Job: MTSJOC312-01.02: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

Record #	CSI Number	MOD	UOM	Description		Unit Price		Factor		Total
10 Specialt	ties									\$0.00
15	101423110098		EA	Removal And Reinstall	atio	n Of Building	Signa	ge, Exterior l	Jp To 4 SF	
	No Change	,		Quantity	х	Unit Price	Х	Factor	=	LineTotal
		Installation	EA	0.00	Х	\$154.59	Х	1.0000	=	\$0.00
	Materi	als Excluded								\$0.00
	User Note:	Exterior Walls	Exclud	ed per MTS.						
	Item Note:									
	Owner Comments:									
Cor	ntractor Comments:									
									Total:	\$146,341.65
								Proposal	Total:	\$146,341.65
				The Percentage	of N	Non Pre-Prio	ed o	n this Pro	posal:	0.00%

EXHIBIT C (Subcontractor Listing)

San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



Date: 5/19/2021

Job Order Contracting

Subcontractor Report

Contract #: PWL312.0-20

Job Order #: MTSJOC312-01.02

Job Order Title: TPSS Roofs Repair - Additionals 7 TPSS - CCO # 2

Location: Green Line ROW

Contractor: HMS Construction Inc.

Subcontractor: General Coatings

Subcontractor Name		Describe Nature of Work (Trade)	Certifications	Subcontractor Total	%
General Coatings 6711 Nancy Ridge Rd, San Diego, CA 92120	527547	Waterproofer		\$67,900.00	46.40%



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101-7490 (619) 231-1466 • FAX (619) 234-3407

Agenda Item No. 8

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

Draft for Executive Committee Review Date: 06/10/2021

SUBJECT:

DESIGN SERVICES FOR SOUTH BAY MAINTENANCE FACILITY (SBMF) ELECTRIC BUS CHARGING PROJECT – WORK ORDER AMENDMENT

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors:

- 1) Ratify Work Order WOA2075-AE-50.02 under MTS Doc No. G2075.0-18 (Attachment A) with Dokken Engineering (Dokken) totaling \$88,412.96, to support Phase 2 battery electric bus (BEB) improvements, charging to dispenser ratio changes, as well as the application and processing of a Building Permit package through the City of Chula Vista Development Services Department; and
- 2) Authorize the Chief Executive Officer (CEO) to execute Work Order WOA2075-AE-50.03 under MTS Doc. No. G2075.0-18 (in substantially the same format as Attachment B) with Dokken in the amount of \$36,896.94 for additional design services to add a permanent natural gas generator to the project.

Budget Impact

The total budget for this project shall not exceed \$1,116,976.91. This project is funded by MTS Capital Improvement Program (CIP) 1009113101- Charging Infrastructure at SBMF – Design.

DISCUSSION:

MTS currently operates and maintains a fleet of 235 Compressed Natural Gas (CNG) buses at the SBMF. In 2018, MTS staff applied for and received a Transit and Intercity Rail Capital Program (TIRCP) grant to add a new Rapid Bus Feeder service between Imperial Beach and the Otay Mesa International Border crossing, connecting both communities to the Blue Line Trolley. Consistent with the grant program's goal to significantly reduce emissions of greenhouse gases, the new rapid route will be served by 12 new, 60-foot battery electric buses (BEB).



The new service will be called Rapid Bus Route 925, operating at 7.5-minute headways in the peak hours, with buses from the SBMF on Main Street in Chula Vista. The charging infrastructure for these 12 new buses is needed to charge the buses overnight for morning service pull-out. As defined in the SBMF Master Plan, Phase 1 is the installation of chargers for 12 new 60-foot BEB's to support the Iris Rapid Project.

On March 19, 2020, the MTS Board approved a work order to Dokken Engineering for the SBMF electric bus concept layouts design work, including the preparation of a conceptual design for a full facility conversion to an all-electric bus fleet through phased installations. Dokken Engineering was selected from the MTS-SANDAG as-needed architectural & engineering (A&E) design consulting services list, which was created on January 12, 2016, following a competitive process.

On October 15, 2020, the MTS Board approved Amendment No. 1 to include final design services for Phase 1 of the SBMF.

On May 17, 2021, the CEO approved Amendment No. 2, to provide additional design services for Phase 2 of the project scope, modify the charger to dispenser ratio from 2:1 to 3:1, and provide building permit package support with the City of Chula Vista Development Services Department. Phase 2 of the master plan included chargers for eleven (11) new 40-foot BEBs, bringing the total charging capacity at SBMF to 23 buses.

Under proposed work order Amendment No. 3, Dokken shall provide additional design services to include a permanent onsite natural gas generator for the project. The design for the generator also includes coordination with San Diego Gas & Electric (SDG&E) for a new gas service and meter.

The Work Order and amendments are summarized below:

Work Order No.	Purpose	Amount	Board Approval Date
WOA2075- AE-50	Original Work Order – SBMF ZEB Electric Bus Concept Layouts	\$328,320.14	3/19/20, Item 9
WOA2075- AE-50.01	Amendment 1 – Final Design Phase 1	\$663,346.87	10/15/20, Item 15
WOA1949- AE-15.02	Amendment 2 – Add Phase 2 and modify charger ratio	\$88,412.96	CEO approval 5/17/21 per Board Policy No. 41
WOA1949- AE-15.03	Amendment 3 – Add Natural Gas Generator	\$36,896.94	Today's Proposed Action
	TOTAL	\$1,116,976.91	

Based on the level of effort and the design work involved for this project, staff determined the contract price to be fair and reasonable.

Therefore, staff recommends that the MTS Board:

- Ratify Work Order WOA2075-AE-50.02 under MTS Doc No. G2075.0-18 (Attachment A) with Dokken totaling \$88,412.96, to support Phase 2 battery electric bus improvements, charging to dispenser ratio changes, as well as the application and processing of a Building Permit package through the City of Chula Vista Development Services Department; and
- 2) Authorize the CEO to execute Work Order WOA2075-AE-50.03 under MTS Doc. No. G2075.0-18 (in substantially the same format as Attachment B) with Dokken in the amount of \$36,896.94 for additional design services to add a permanent natural gas generator to the project.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, Julia.Tuer@sdmts.com

Attachments: A. Work Order WOA2075-AE-50.02, MTS Doc No. G2075.0-18

B. Draft Work Order WOA2075.0-50.03, MTS Doc No. G2075.0-18

May 5, 2021 MTS Doc. No. G2075.0-18 WOA2075-AE-50.02

Mr. John Klemunes, PE Regional Manager Dokken Engineering 1450 Frazee Road, Suite 100 San Diego, CA 92108

Dear Mr. Klemunes:

Subject: MTS DOC. NO. G2075.0-18, WORK ORDER WOA2075-AE-50.02, DESIGN SERVICES

FOR SOUTH BAY MAINTENANCE FACILITY (SBMF) ELECTRIC BUS CONCEPT

LAYOUTS

This letter shall serve as Amendment No. 2 to our agreement for professional services, Work Order WOA2075-AE-50, under the General Engineering Consultant Agreement, MTS Doc. No. G2075.0-18, as further described below.

SCOPE OF SERVICES

This Amendment shall provide additional design development to support Phase 2 battery electric bus improvements, charging to dispenser ratio changes, as well as the application and processing of a Building Permit package through the City of Chula Vista Development Services Department. Work provided under this Work Order will be performed in accordance with the attached Scope of Services (Attachment A).

SCHEDULE

There shall be no change to the schedule as a result of this Amendment. The project completion date shall remain at December 31, 2021.

PAYMENT

This Amendment shall increase the payment amount by \$88,412.96. The revised payment shall not exceed \$1,080,079.97 without prior authorization of MTS (Attachment B).

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:

John Klemunes, PE
Regional Manager, Dokken Engineering

Date:

Attachments: A, Revised Scope of Services

B, Revised Negotiated Fee Proposal

ATTACHMENT A REVISED SCOPE OF SERVICES

ATTACHMENT A

Contract No.: G2075.0-18 Work Order: WOA2075-AE-50.02

MTS South Bay Maintenance Facility Zero Emission Bus PHASE 1 FINAL ENGINEERING SERVICES Amendment 2

I. SCOPE OF SERVICES

This task order amendment is for additional design development to support Phase 2 battery electric bus improvements, charging to dispenser ratio changes, as well as the application and processing of a Building Permit package through the City of Chula Vista Development Services Department.

TASK 4: 100% CONSTRUCTION DOCUMENTS (CD)

Work Elements:

4.1. Charging Equipment Plans:

Revisions to the drawings based on the addition of the Phase 2 charging infrastructure to include the additional 12 buses, along with the change to move from 2:1 charging to 3:1 charging. The design team will:

- Revisions to incorporate and finalize electrical charging equipment infrastructure drawings for the additional 12 buses for Phase 2
- Incorporate MTS Operations preference for shared dispenser charging positions and order of charging of specific dispensers to establish circuiting/wiring schematic from specific dispensers to specific chargers for Phase 2.
- Design revisions to change from a 2:1 charger to dispenser ratio to a 3:1 ratio. This included revisions to the cable tray, conductor, and conduit design
- · Finalize the charging equipment list to be consistent with BEB charging layouts, facility design, and input received during the review sessions with MTS.
- · Provide final charging equipment quantities to use in the final cost estimate.
- Finalize utility requirements drawings based on information developed with the client. These will be drawn on a separate view in Revit and will include electrical equipment locations.

4.2. Structural Plans:

No change.

4.3. Fire Protection/Building Permit

Prepare a Building Permit Package in accordance with City of Chula Vista DSD requirements as well as coordination, processing and addressing any comments necessary for issuance of the Building Permit. The work entails the following components:

- · Preparation of an official Building Permit Plan Set from the approved 100% Plans.
- · Preparation, coordination, and completion of any required applications.
- Preparation, coordination, completion, and QA/QC of any required Questionnaires, Intake Forms and Reports.
- Preparation, coordination, completion, and QA/QC of a PDP SWQMP in accordance with City of Chula Vista standards and as outlined in the Storm Water Requirements Applicability Checklist (i.e., Intake Form).
- Preparation, coordination, completion, and QA/QC of a Construction Storm Water Pollution Control Plan in accordance with City of Chula Vista standards and as outlined in the Storm Water Requirements Applicability Checklist (i.e., Intake Form).
- Successful delivery and coordination of a completed package to City of Chula Vista DSD personnel.
- · Coordination and processing of the Building Permit Package with City of Chula Vista Staff.

Contract No.: G2075.0-18 Work Order: WOA2075-AE-50.02

- Addressing any comments related to the Building Permit Review Cycle(s).
- Payment of any Fees related to review of the Building Permit Package and issuance of the Building Permit.
- · Building Permit for inclusion within the project bid documents.

4.4. Electrical Plans:

- Revisions to the design plans to incorporate the electrical infrastructure to serve an additional 12 buses for Phase 2. This consists of designing 12 additional overhead DC pantographs and 4 additional EVSE charging cabinets. Excluded are services to include additional solar or other resiliency measures.
- Develop drawings for the required electrical materials and equipment for the addition of the Phase 2 – 12 additional buses. This includes power, emergency/standby power, fire alarm system, and the electrical raceways for special devices.
- Design of the required cables necessary to complete Phase 2 will be indicated on the drawings
- Design the requirements and layout of the power and communication cabling, wireway, and cable tray between the charging cabinets and overhead pantograph dispensers.
- Finalize revisions to change from a 2:1 charger to dispenser ratio to a 3:1 ration. This included revisions to the cable tray, conductor, and conduit design
- · Provide final input necessary for the development of the construction cost estimate

4.5. Construction Document Quality Control

No change.

4.6. On-Site Site Civil Improvements

- Relocation of Substation A, realignment of the duct bank trench, and modifications to the proposed median section.
- Updating the Civil Plans and Civil Detail drawings to include the infrastructure required to accommodate the Phase 2 battery electric buses.
- Updating the Engineer's Estimate that includes payment for additional items needed to accommodate the Phase 2 battery electric buses.

4.7. Technical Specifications

No change.

4.8. Opinion of Probable Construction Cost

The consultant will provide updated quantities and cost and prepare a final Opinion of Probable Costs incorporating the addition of the Phase 2 infrastructure, charging ratio change, equipment components, and based on the 100% Construction Documents.

II. DELIVERABLES

No change.

III. SCHEDULE OF SERVICES/MILESTONES/DELIVERABLES

Above revisions will be incorporated into the 100% Construction Documents.

City of Chula Vista Building Permit is expected to be approved prior to Construction.

IV. MATERIALS TO BE PROVIDED BY Dokken and/or MTS

No change.

V. SPECIAL CONDITIONS/ASSUMPTIONS

No change.

ATTACHMENT B REVISED NEGOTIATED FEE PROPOSAL

MTS Doc. No. G2075.0-18 Work Order No. WOA2075-AE-50.02 В

Attachment:

Work Order Title: MTS SBMF ZEB (Phase 1) Amendment 2

Project No:

Table 1 - Cost Codes Summary (Costs & Hours)

Item	Cost Codes	Cost Codes Description	Total Costs
1		Labor	\$88,412.96
2		ODC	

Totals = \$88,412.96

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

Item	TASKS/WBS	TASKS/WBS Description	Labor Hrs	Total Costs
1	Task 1	PROJECT MANAGEMENT		
2	Task 2	SCHEMATIC DESIGN (SD)		
3	Task 3	DESIGN DEVELOPMENT (DD)		
4	Task 4	CONSTRUCTION DOCUMENTS	490.0	\$88,412.96
5	Task 5	CONTRACT BID SUPPORT		
5				
6				
7				
8				
9				
10				

Totals = 490.0 \$88,412.96

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

(If App	olicable	, Selec	t One)			Total Costs		
DBE	DVBE	SBE	Other	Consultant	Labor Hrs			
				DOKKEN ENGINEERING	266.0	\$44,128.90		
				WSP	224.0	\$44,284.06		

Totals = 490.0 \$88,412.96

Work Order Estimate

Total Hours = 266

Total Costs = \$44,128.90

Summary
Consultant/Subconsultant: DOKKEN ENGINEERING

MTS Doc. No.: G2075.0-18

Work Order No.: WOA2075-AE-50.02

Work Order Title: MTS SBMF ZEB (Phase 1) Amendment 2

Attachment: B

	l otal Costs =	\$44,128.90)		Worl	Corder Title:	MIS SBMF A	ZEB (Phase 1)	Amendment 2	Attachment:	В
				ODCs (See Attachment)	Principal	Senior Engineer	Associate Engineer	Engineering Tech		Total Hours	Totals
Item	TASKS/WBS	TASKS/WBS Des		Attachment)	\$ 262.42	\$ 218.68	\$ 157.45	\$ 106.42			
3	Task 3	DESIGN DEVELOPMENT (DI	0)								
	Electrical										
	Fire Protection										
	Structural										
	Civil Plans										
	Opinion of Probable										
3.7	Design Developmen	nt Quality Control									
	ODC		0.14.4.1.411	N1/A							
			Subtotals (Hours) =	N/A							
4	Task 4	CONSTRUCTION DOCUMEN	Subtotals (Costs) =								
4.1	Charging Equipmen		110								
	Structural										
	Fire Protection/Build	dina Permit			8	8	120	80		216	\$31,256.40
	Electrical				-					-	, , , , , , , , , , , , , , , , , , , ,
	Construction Docur	nent Quality Control									
4.6	On-Site Site Civil In	nprovements					50			50	\$7,872.50
	Technical Specifica										
4.8	Opinion of Probable	Construction Cost									
	ODC		0.14.4.1.411	\$5,000.00			470	20			\$5,000.00
			Subtotals (Hours) =	N/A	8	8	170	80		266	\$44,128.90
			Subtotals (Costs) =	\$5,000.00	\$2,099.36	\$1,749.44	\$26,766.50	\$8,513.60		266	\$44,128.90
		Totala (Summana)								266	¢44.429.00
		Totals (Summary) =		NI/A	0	0	170	00			\$44,128.90
		Total (Hours) =		N/A \$5,000.00	8 2000 20	8 \$1,740,44		80 \$8,513.60		266	\$44,128.90
	Total (Costs) =		φ5,000.00	\$2,099.36	\$1,749.44	\$26,766.50	φο,υτυ.ου			Φ44,1∠0.90	
	Percentage of Total (Hours) =			N/A	3%	3%	64%	30%		100%	
		Percentage of Total (Costs) =		11%	5%	4%		19%		100 /0	100%
		. 5.55ago or 15tar (505tb)		1170	370	470	3170	1070			13070

Work Order Estimate Summary

Consultant/Subconsultant: WSP

MTS Doc. No.:

G2075.0-18

Work Order No.: WOA2075-AE-50.02

Attachment: В

Total Hours = 224 Total Costs = \$44,284.06

Work Order Title: MTS SBMF ZEB (Phase 1) Amendment 2

		<u> </u>													
			(;	DCs See chment)	Senior Manager (Kosup)	Project Controls Specialist (Bay)	Staff Manager (Carter/Baig)	Engineer 1 (Register)	Senior Supervising Engineer(Hugh es/Lanzer/Krup nik)	Specialist, Design Support (Faarup)	Senior Technical Specialist (Gedda)	CADD Operator 1	Engineer II (Hollman)	Total Hours	Totals
Item	TASKS/WBS	TASKS/WBS Descri	ption		\$322.60	\$231.58	\$270.33	\$95.60	\$241.64	\$126.81	\$163.20	\$95.60	\$117.08		
4 [Tools 4	CONSTRUCTION DOCUMENTS													
	Task 4	CONSTRUCTION DOCUMENTS			0	4	20		4		40	00		0.4	¢47,000,50
4.1	Charging Equipme	nı			8	4	30		4		12	36		94	\$17,983.58
	Structural Fire Protection/Bui	Iding Dormit			2				4	6	0	20		40	¢5 500 22
	Electrical	iding Permit			2 4				54	6	8	20 12		70	\$5,590.22 \$15,486.16
		ment Quality Control			4				54			12		70	\$15,460.10
	On-Site Site Civil I														
	Technical Specific														
		le Construction Cost			8		2		6		4			20	¢5 224 40
4.0	Opinion of Probabi	e Construction Cost			0		2		0		4			20	\$5,224.10
	ODC														
Į	ODC	Su.	ıbtotals (Hours) =	V/A	22	4	32		68	6	24	68		224	\$44,284.06
			ıbtotals (Hours) = 1	N/A	\$7,097.20	\$926.32	\$8,650.56		\$16,431.52	\$760.86	\$3,916.80	\$6,500.80	Γ	224	\$44,284.06
		30	ibiolais (Cosis) –		Φ1,091.20	φ920.32	φο,030.30		φ10,431.32	Φ/00.00	\$3,910.0U	\$6,500.60	L	224	\$44,204.00
		Totals (Summary) =											Ī	224	\$44,284.06
		Total (Hours) =	N/A		22	4	32		68	6	24	68	Ľ	224	. ,
		Total (Costs) =	14,7 (\$7,097.20	\$926.32			\$16,431.52	\$760.86					\$44,284.06
		. 3.0. (300.0)			ψ1,001.20	Ψ020.02	ψο,σσσ.σσ		ψ10,101.02	ψ, σσ.σσ	ψο,ο το.οο	ψ0,000.00			Ψ11,201.00
		Percentage of Total (Hours) =	N/A		10%	2%	14%		30%	3%	11%	0.3035714		100%	
		Percentage of Total (Costs) =	,,		16%	2%	20%		37%	2%	9%	0.1467977			100%
						_,,	= • / •		3. 7.		• / 5				. 3676

Consultant/ Subconsultant:	DOKKEN ENGINEERING	Contract No:	G2075.0-18
		Task Order No.	WOA2075-AE- 50.02
Work Order Title:	MTS SBMF ZEB (Phase 1) Amendment 2	Attachment:	В

TASKS/WBS (1-5)

ODC				7	Task 1	-	Гask 2	-	Task 3	-	Task 4	7	Task 5
Item	Description	Unit	Unit Cost	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Chula Vista Application Fee	LS	\$5,000.00							1	\$5,000.00		
2													
3													
4													
5													
6													
7													
8													
9													
10													
				Subtotal =		Subtotal =		Subtotal =		Subtotal =	\$5,000.00	Subtotal =	

TASKS/WBS (6-10)

							(0 .0)						
ODC Item													Totals
	Description	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Chula Vista Application Fee											1	\$5,000.00
2													
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Totals =	\$5,000.00

June 17, 2021

MTS Doc. No. G2075.0-18 WOA2075-AE-50.03

Mr. John Klemunes, PE Regional Manager Dokken Engineering 1450 Frazee Road, Suite 100 San Diego, CA 92108

Dear Mr. Klemunes:

Subject: MTS DOC. NO. G2075.0-18, WORK ORDER WOA2075-AE-50.03, DESIGN SERVICES

FOR SOUTH BAY MAINTENANCE FACILITY (SBMF) ELECTRIC BUS CONCEPT

LAYOUTS

This letter shall serve as Amendment No. 3 to our agreement for professional services, Work Order WOA2075-AE-50, under the General Engineering Consultant Agreement, MTS Doc. No. G2075.0-18, as further described below.

SCOPE OF SERVICES

This Amendment shall provide additional design to support installation of a permanent generator. Work provided under this Work Order will be performed in accordance with the attached Scope of Services (Attachment A).

SCHEDULE

There shall be no change to the schedule as a result of this Amendment. The project completion date shall remain at December 31, 2021.

PAYMENT

This Amendment shall increase the payment amount by \$36,896.94. The revised payment shall not exceed \$1,116,976.91 without prior authorization of MTS (Attachment B).

Please sign below, and return the document to the conditions shall remain the same and in effect.	Contracts Specialist at MTS. All other terms and
Sincerely,	Accepted:
Sharon Cooney Chief Executive Officer	John Klemunes, PE Regional Manager, Dokken Engineering
Date):
Attachments: A, Revised Scope of Services B, Revised Negotiated Fee Proposi	al

ATTACHMENT A, REVISED SCOPE OF SERVICES

ATTACHMENT A

Contract No.: G2075.0-18 Work Order: WOA2075-AE-50.03

MTS South Bay Maintenance Facility Zero Emission Bus PHASE 1 FINAL ENGINEERING SERVICES Amendment 3

I. SCOPE OF SERVICES

This task order amendment is for additional engineering services to support installation of a permanent generator to be used as Standby service. This will be included in the documents as Add Alternative No 1.

TASK 4: 100% CONSTRUCTION DOCUMENTS (CD)

Work Elements:

4.1. Charging Equipment Plans

No changes

4.2. Structural Plans:

· Design of the generator pad foundation

4.3. Fire Protection

No changes

4.4. Electrical Plans:

- Coordinate with Mechanical / civil on underground gas pipe routing around electrical conduits
- Provide Mechanical with final generator capacity requirements assumed 2MW
- Design electrical duct bank to generator
- Incorporate generator control into Microgrid spec
- · Provide final input necessary for the development of the construction cost estimate

4.5. No changes

4.6. On-Site Site Civil Improvements

- · Coordinate w/ Mechanical and update to the civil plans to show underground gas pipe
- Incorporate any changes to existing trench or new trench for gas pipe
- · Incorporate on the civil plans the location of support pad / foundation for generator
- Coordinate location of bollards for protection of generator (wall enclosure is excluded).

4.7. Technical Specifications

Incorporate the permanent generator design as Add Alt No 1.

4.8. Opinion of Probable Construction Cost

• The consultant will provide updated quantities and cost and prepare a final Opinion of Probable Costs incorporating the addition of the generator and associated infrastructure.

4.9 Mechanical/Local codes

 Providing Engine / generator selection. Contact generator manufacturers and select design basis generator.

Contract No.: G2075.0-18 Work Order: WOA2075-AE-50.03

- Provide mechanical drawings and specifications for the installation of a CNG standby generator located outdoors and at grade.
- Evaluation of existing CNG equipment capability. Assumes Generator fuel source to be existing compressed natural gas (CNG) system. Design CNG rig at connection to CNG system for generator fuel.
- Connection to existing CNG supply equipment (or directly to SDG&E Main). This includes
 coordination and discussion with SDG&E on most viable alternative for gas line connection.
 Includes sizing of the piping and coordination of the underground CNG piping. Includes up to 2
 meetings with SDG&E gas division.
- Provide generator exhaust design-anticipated to be stub stack with standard silencer (if needed),
 CNG piping, and coordination with electrical, structural
- · Provide cost estimate for generator system to submit with the 100% IFB package.
- · Allowance for two (2) virtual meetings to discuss design parameters
- Preparation and submittal to San Diego Air Pollution Control District (SDAPCD) for emergency standby generator. This includes applications, site layout, plot plan, engine specification sheet, and manufacturer emission data. 20 hours is allowed to address comments from the SDAPCD.
- Research and incorporate City of Chula Vista zoning code requirements for setbacks of the generator to public streets, buildings. Assumes a permit with the City of Chula Vista for the generator is not required
- Identification of noise level requirements and mitigation needed, if any, due to proximity to the
 existing Administration building onsite and/or other surrounding uses. Assumes a sound wall or
 enclosure for the generator is not needed due to the temporary/standby use of the generator, as
 well as the surrounding receptors.

II. DELIVERABLES

No change.

III. SCHEDULE OF SERVICES/MILESTONES/DELIVERABLES

Above revisions will be incorporated into the 100% Issue for Construction Documents.

IV. MATERIALS TO BE PROVIDED BY Dokken and/or MTS

No change.

V. SPECIAL CONDITIONS/ASSUMPTIONS

No change.

ATTACHMENT B REVISED NEGOTIATED FEE PROPOSAL

Work Order Title: Senior Engineering Manager (Kosup)

Project No:

Table 1 - Cost Codes Summary (Costs & Hours)

Item	Cost Codes	Cost Codes Description	Total Costs
1		Labor	\$36,896.94
2		ODC	

Totals = \$36,896.94

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

Item	TASKS/WBS	TASKS/WBS Description	Labor Hrs	Total Costs
1	Task 1	PROJECT MANAGEMENT		
2	Task 2	SCHEMATIC DESIGN (SD)		
3	Task 3	DESIGN DEVELOPMENT (DD)		
4	Task 4	CONSTRUCTION DOCUMENTS	250.0	\$36,896.94
5	Task 5	CONTRACT BID SUPPORT		
5				
6				
7				
8				
9				
10				

Totals = **250.0** \$36,896.94

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

(If App	(If Applicable, Select One)					
DBE	DVBE	SBE	Other	Consultant	Labor Hrs	Total Costs
				DOKKEN ENGINEERING	28.0	\$5,073.40
				WSP	222.0	\$31,823.54

Totals = 250.0 \$36,896.94

100%

Work Order Estimate

Total Hours = 28

Percentage of Total (Costs) =

Summary
Consultant/Subconsultant: DOKKEN ENGINEERING MTS Doc. No.: G2075.0-18 Work Order No.: WOA2075-AE-50.03

100	ai i iodio											Work Order No.:	TIOALUTO AL 00:00
Tot	tal Costs =	\$5,073.4	0		Work Order Title: Senior Engineering Manager (Kosup)			Attachment:	В				
				ODCs (See Attachment)	Senior Engineer Manage (Kosup	ing er	Senior Engineer	Associate Engineer	Engine Tec			Total Hours	Totals
Item 7	TASKS/WBS	TASKS/WBS De	scription	,	\$ 262	.42	\$ 218.68	\$ 157.45	\$ 1	06.42			
0 T	-1-0	DESIGN DEVEL ORMENT (D	D)								,	,	
3 Tas		DESIGN DEVELOPMENT (D	יט										
	ctric Charging E	quipment											
3.2 Elec													
	Protection												
	uctural												
3.5 Civi		- C											
		e Construction Cost											
OD:		nt Quality Control											
ישט	C		Culatatala (Harras) =	N/A									
			Subtotals (Hours) = Subtotals (Costs) =	IN/A									
4 Tas	ale 4	CONSTRUCTION DOCUME											
	arging Equipmer		113										
4.1 Cha		IL .											
	e Protection/Buil	ding Pormit											
	ctrical	ung Fernit											
		ment Quality Control											
	-Site Site Civil In				4		4	20				28	\$5,073.40
	chnical Specifica				4		4	20				20	\$5,075.40
		e Construction Cost											
4.6 Opi	IIIIOII OI FIODADIO	e Construction Cost											
OD	·C												
OD			Subtotals (Hours) =	N/A	4		4	20				28	\$5,073.40
			Subtotals (Costs) =	IN/A	\$1,049.6	20	4 \$874.72	\$3,149.00				28	
			Subtotals (Costs) =		\$1,049.0	00	\$674.72	\$3,149.00					\$5,073.40
		Totals (Summary) =										28	\$5,073.40
		Total (Hours) =		N/A		4	4	20	1			28	Ψ0,070.40
		Total (Costs) =		I V / / \	\$1,049		\$874.72	\$3,149.00				20	\$5,073.40
		10tal (005t5) -			φ1,048	0.00	φ0/4./2	φ5, 149.00	,				φυ,υ <i>τ</i> 3.40
		Percentage of Total (Hours) =	<u> </u>	N/A	1	14%	14%	71%				100%	
		Demonstrate of Total (Costs) =		1 4// 1		140/	17/0	7 1 70 COO/				10070	1000/

21%

17%

62%

Summary WSP

MTS Doc. No.:

G2075.0-18

Work Order No.: **WOA2075-AE-50.03**

Total Costs = \$31,823.54

222

Total Hours =

Senior Engineering Manager (Kosup)

Attachment: В

			l							
		ODCs (See Attachment)	Senior Engineering Manager (Kosup)	Staff Manager	Engineer 1	Senior Supervising Engineer	Supervising Engineer	Engineer II	Total Hours	Totals
Item	TASKS/WBS TASKS/WBS Description		\$322.60	\$270.33	\$95.60	\$241.64	\$196.93	\$117.08		
4	Task 4 CONSTRUCTION DOCUMENTS									
4.1	Charging Equipment									
	Structural						4		4	\$787.72
4.3	Fire Protection/Building Permit									
4.4	Electrical						20		20	\$3,938.60
	Construction Document Quality Control									
4.6	On-Site Site Civil Improvements									
4.7	Technical Specifications			6	6				12	\$2,195.58
	Opinion of Probable Construction Cost							16	16	\$1,873.28
4.9	Mechanical/Local codes		8	4	6	8		144	170	\$23,028.36
	ODC									
	Subtotals (Hou		8	10	12	8	24	160	222	\$31,823.54
	Subtotals (Cos	ts) =	\$2,580.80	\$2,703.30	\$1,147.20	\$1,933.12	\$4,726.32	\$18,732.80	222	\$31,823.54
	4 = 4 + 42							F	200	***************************************
	1 Totals (Summary) =	N.//A		4.0	40			<u> </u>	222	\$31,823.54
	Total (Hours) = Total (Costs) =	N/A	8 \$2,580.80	10 \$2,703.30	12 \$1,147.20	8 \$1,933.12	24 \$4,726.32	160 \$18,732.80	222	\$31,823.54
	Percentage of Total (Hours) =	N/A	4%	5%	5%	4%	11%	0.720720721	100%	,
	Percentage of Total (Costs) =		8%	8%	4%	6%	15%	0.588646015		100%



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101-7490 (619) 231-1466 • FAX (619) 234-3407

Agenda Item No. 9

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

Draft for

June 17, 2021

Executive Committee

SUBJECT:

Review Date: 06/10/2021

RAIL REPLACEMENT - AMERICA PLAZA AND KETTNER GRADE CROSSING - 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. MTSJOC269-11, under Job Order Contract (JOC) to MTS Doc. No. PWG269.0-19, (in substantially the same format as Attachment A) with Herzog Contracting Corp. (Herzog), in the amount of \$698,473.76 for the replacement of the rail at America Plaza Trolley Station and the replacement of the adjacent grade crossing located at Kettner Boulevard.

Budget Impact

The total budget for this project shall not exceed \$698,473.76. Under MTS Doc No. L1282.0-16 with The Gordian Group, MTS will pay a 1.95% JOC software license fee in the amount of \$13,620.24. This project is funded by MTS Capital Improvement Project (CIP) 2005112201 - Rail Replacement – America Plaza & Kettner.

DISCUSSION:

The current UC San Diego Blue Line terminates service at America Plaza. With the opening of the Mid-Coast extension at the end of 2021, Blue Line Trolley service will continue through America Plaza, across the Kettner Blvd. grade crossing, and continue north to the new terminal at the University Town Center (UTC).

To minimize the potential risk of future service disruptions, this project will replace approximately 800 track feet of existing rail, including waterproofing, fasteners, and rubber rail interface at the America Plaza Trolley Station, and replace the existing grade crossing at Kettner Blvd.

On March 12, 2019, MTS issued an Invitation for Bids (IFB) seeking a contractor to









provide on-call Job Order Contracting (JOC) for Railroad Construction services 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 (pre-cast 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.

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. In order to select the lowest responsive and responsible bidder, MTS staff compares each contractor's proposed adjustment factor.

Three (3) bids were received and MTS determined that Herzog was the lowest responsive and responsible bidder for on-call, general civil construction services. On June 13, 2019, the MTS Board authorized the CEO to execute MTS Doc. No. PWG269.0-19 with Herzog.

Today's proposed action would issue a work order to Herzog under this JOC master agreement. Pricing for this repair task order was reviewed and determined to be fair and reasonable. Herzog will be providing all materials, labor, equipment to replace approximately 800 track feet of existing rail, including waterproofing, fasteners, and rubber rail interface at America Plaza Trolley Station, and replace the existing grade crossing at Kettner Blvd. Work is expected to be completed over the summer, and prior to the start of Mid-Coast revenue service.

Therefore, staff recommends that the MTS Board authorize the CEO to execute Work Order No. MTSJOC269-11, under JOC to MTS Doc. No. PWG269.0-19, with Herzog, in the amount of \$698,473.76 for the replacement of the rail at America Plaza Trolley Station and the replacement of the adjacent grade crossing located at Kettner Boulevard.

<u>/s/ Sharon Cooney</u> Sharon Cooney

Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, Julia.Tuer@sdmts.com

Attachment: A. Draft Job Order Contract MTSJOC269-11, MTS Doc No. PWG269.0-19

JOB ORDER CONTRACT WORK ORDER PWG269.0-19 **CONTRACT NUMBER** MTSJOC269-11 WORK ORDER NUMBER THIS AGREEMENT is entered into this day of 2021, 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: Herzog Contracting Corp. Address: 3760 Kilroy Airport Way Suite 120 Form of Business: Corporation Long Beach, CA 90806 (Corporation, partnership, sole proprietor, etc.) Telephone: 562.426.4425 Authorized person to sign contracts: Clint Larison Senior Vice President of California Region Title Name Pursuant to the existing Job Order Contract (MTS Doc. No. PWG269.0-19), MTS issues a Work Order to Contractor to complete the detailed Scope of Work (attached as Exhibit A.), the Cost Breakdown for the Scope of Work (attached as Exhibit B.), and the subcontractor listing form applicable to this Work Order (attached as Exhibit C.) TOTAL PAYMENTS TO CONTRACTOR SHALL NOT EXCEED \$698,473.76 HERZOG CONTRACTING CORP. SAN DIEGO METROPOLITAN TRANSIT SYSTEM By: Sharon Cooney, Chief Executive Officer By Approved as to form: Title: By: Karen Landers, General Counsel

EXHIBIT A (Scope of Work)

San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



Date: 5/20/2021

Job Order Contracting

Final Scope of Work

To: From:

Contract No: PWG269.0-19

Job Order No: MTSJOC269-11

Job Order Title: America Plaza Rail Replacement

Location: Blue Line ROW

1255 Imperial Ave San Diego, CA 92101

Brief Scope: This job order is for the replacement of 787 track feet of existing rail,

waterproofing, fasteners, and rubber rail interface at America Plaza Trolley Station and the replacement of the existing grade crossing at Kettner Blvd.

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 protection, 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 787 track feet of existing rail, waterproofing, fasteners, and rubber rail interface at America Plaza Trolley Station and the replacement of the existing grade crossing at Kettner Blvd.

The Contractor Shall:

 Provide all labor, materials, equipment and required incidents to complete all work as shown in the 70% submittal drawings from HDR entitled America Plaza Rail Replacement from 4/21/21 as provided by MTS.

Owner Furnished Material:

- MTS to provide up to 2,050 LF of 115 RE Head Hardened rail in 80-ft nominal lengths located North of Sigsbee Street on the Blue Line at 1699 Main Street, San Diego, CA 92113. Contractor is to flash butt weld rail into necessary lengths and transport rail to the project location.
- 284 EA H10 Direct Fixation Fastener Assembly or approved equal, which includes fastener body, rail clip shims, rail clips, bolts, and lock nuts.
- 186 EA F20R4 Direct Fixation Fastener Assembly, including associated cover plates, anchor bolts, and spring lock washers.

Contractor Furnished Material:

- 927 EA ECL-2055 Galvanized e-Clips or approved equal.
- 220 EA F20R4 Direct Fixation Fastener Assembly or approved equal, including

- associated cover plates, and anchor bolts and spring lock washers. Att. A, AI 9, 06/17/2021
- 100 EA 7/8" Concrete Inserts (Epoxy Coated)
- 115 RE Stock Rails
- Switch Points
- Rubber Rail Interface Custom PPI Rail Seal (modified DFT 71) and associated rubber filler strip or approved equal
- Water Proofing HLM 5000 or approved equal
- All other incidental material required to complete the work such as concrete, asphalt, pavement marking, grout, weld kits etc.

Specifications:

All work shall conform to the Special Provisions within the executed MTS Job Order Contract (JOC) PWG269.0-19

Existing Utilities:

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.

Standard Work Windows:

Contractor will be allowed a full shutdown on the WB track only for one (1) EA week from 4:30 AM on Monday to 9:00 PM on Friday

Contractor will be allowed a full shutdown on the EB track only for one (1) EA week from 4:30 AM on Monday to 9:00 PM on Friday

Weekend Shutdowns:

Contractor will be allowed three (3) EA weekend shutdowns from 9:00 PM on Friday to 4:30 AM on Monday.

Contract Schedule:

All work shall be complete as soon as possible with 90 calendar days from issuance of NTP.

Att	Α	ΑI	9	06/	17	/2021
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Owner Project Manager	Date

SHT NO	DWG NO	DESCRIPTION
1	G00	TITLE SHEET, LOCATION MAP AND INDEX OF DRAWINGS
2	G01	GENERAL NOTES
3	G02	LEGEND, ABBREVIATIONS, SYMBOLS, AND BASIS OF COORDINATES
4	G03	SURVEY CONTROL
5	TR11	TRACK GEOMETRY
6	TR21	TRACK PLAN AND PROFILE
7	TR22	TRACK PROFILE
8	TR31	SPECIAL TRACKWORK - KETTNER BLVD
9	TR32	GRADE CROSSING PLANS - KETTNER BLVD
10	TR42	CONSTRUCTION DETAILS
		FOR REFERENCE ONLY - AMERICA PLAZA TRANSIT STATION DETAIL PLAN AND TYPICAL SECTION
		FOR REFERENCE ONLY - "C" STREET SPECIAL TRACKWORK "C" STREET DOUBLE CROSSWORK
		- LAYOUT AND PAVING
		FOR REFERENCE ONLY - C STREET INTERLOCKING DETAIL PLAN & TYPICAL SECTIONS SH. 23 OF 23
		FOR REFERENCE ONLY - C STREET INTERLOCKING PARKING GARAGE CONDUIT LAYOUT SH. 22 OF 23
		FOR REFERENCE ONLY - RACO159_743A-REFERENCE

IMPORTANT NOTICE

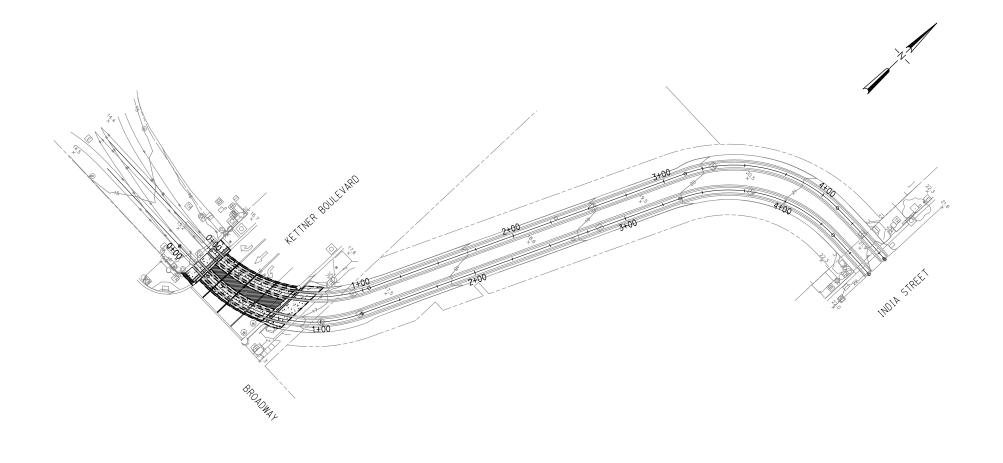
SECTION 4216/4217 OF THE GOVERNMENT
CODE REQUIRES A DIG ALERT IDENTIFICATION
NUMBER BE ISSUED BEFORE A
"PERMIT TO EXCAVATE" WILL BE VALID.
FOR YOUR DIG ALERT I.D. NUMBER CALL
UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG.

WORK TO BE DONE

STANDARD SPECIFICATION: STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, 2018 EDITION

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK) CURRENT VERSION

METROPOLITAN TRANSIT SYSTEM AMERICA PLAZA RAIL REPLACEMENT



O COM						
2117						
, Dww	NO.	DATE	REVISIONS	BY	СНК	APRV



70% SUBMITTAL NOT FOR CONSTRUCTION

	DESIGNED BY J.K. ANDRES	DATE 04/21	ı
	DRAWN BY		ı
.	M.R. GRANADO	04/21	ı
ON.	CHECKED BY		ı
ON	R. BOLEY	04/21	ı
	PRJ. ENG.		ı
	G. MCKEE	04/21	ı



AMERICA PLAZA						
RAIL	REPLACEMENT					

TITLE SHEET, LOCATION MAP AND INDEX OF DRAWINGS

	SCALE			
	NTS			
	CONTRACT NO			
P	G1947.0-17			
	DRAWING NO.	SHEET NO		
	Igon A-6	1 OF 10		

- A RIGHT OF ENTRY (ROE) PERMIT IS NECESSARY WHEN ENTERING MTS / SAN DIEGO AND ARIZONA EASTERN (SD&AE) RIGHT-OF-WAY (MTS R/W), INCLUDING AIRSPACE, FOR ANY PURPOSE. A ROE PERMIT IS ALSO REQUIRED WHEN WORKING IN PUBLIC RIGHT-OF-WAY OCCUPIED BY MTS / SD&AE FACILITIES. INFORMATION TO APPLY FOR ROE CAN BE OBTAINED FROM MTS5#32S WEBSITE AT: HTTP://WWW.SDMTS.COM/BUSINESS/PERMITS.ASP OR CONTACT MTS RIGHT OF WAY SERVICES AT TEL. (619) 557-4501. APPLICANT/CONTRACTOR IS REFERRED TO AS
- 2. CERTIFICATE OF INSURANCE FROM YOUR INSURANCE COMPANY FOR GENERAL LIABILITY, AUTOMOBILE LIABILITY, PROFESSIONAL LIABILITY (IF APPLICABLE), POLLUTION LIABILITY (IF APPLICABLE), AND WORKMAN'S COMPENSATION MUST BE SUBMITTED AND APPROVED BY MTS BEFORE THE PERMIT WILL BE PROCESSED, FULL INSURANCE REQUIREMENT GUIDELINES CAN BE ACCESSED FROM THE MTS WEBSITE
- MOST GENERAL LIABILITY INSURANCE POLICIES DO NOT COVER RAILROADS. ANY EXCLUSIONS RELATING TO PERFORMANCE OF OPERATIONS WITHIN THE VICINITY OF ANY RAILROAD, BRIDGE, TRESTLE, TRACK, ROADBED, TUNNEL UNDERPASS, OR CROSSING MUST BE DELETED FROM ALL POLICIES BY ENDORSEMENT. ADDITIONALLY, SEPARATE RAILROAD PROTECTIVE LIABILITY POLICY WILL MOST LIKELY BE REQUIRED AFTER PROJECT REVIEW AS DEEMED NECESSARY BY MTS.
- ALL PERSONNEL PERFORMING WORK ON MTS R/W, OR ENTERING MTS R/W, SHALL REQUIRE PROPER MTS RAIL SAFETY TRAINING CERTIFICATION PRIOR TO ENTERING MTS R/W, IN ADDITION TO AND SEPARATE FROM REQUIRED TRAINING SPECIFIED ON NCTD GENERAL NOTES. ANY CONTRACTORS OR SUBCONTRACTORS PERFOMING WORK ON BEHALF OF PERMITTEE, SHALL BE DEEMED AS AGENTS OF PERMITTEE AND SHALL REQUIRE SAID TRAINING AS WELL. FOR TRAINING INFORMATION, EMAIL rws+desdm+ts.com. TRAINING CERTIFICATION IS VALID FOR ONE YEAR AND IS CONFINED TO MTS/SD&AE FACILITIES ONLY.
- 5. PERMITTEE SHALL PROVIDE MTS WITH AN APPROVED SET OF TRAFFIC CONTROL PLANS THAT CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND COMPLY IN PARTICULAR WITH PART 8 "TRAFFIC CONTROL FOR RAILROAD AND LIGHT RAIL TRANSIT GRADE CROSSING".
- IF PROJECT INVOLVES CASING SLEEVES UNDER RAILROAD TRACKS AND ACROSS MTS R/W, PERMITTEE SHALL ADHERE TO MTS JACK AND BORE DESIGN CRITERIA AND CONSTRUCTION NOTES.
- A PRE-CONSTRUCTION MEETING WILL BE REQUIRED WITH MTS/SDTI PRIOR TO WORK COMMENCING WITHIN MTS R/W. A WRITTEN NOTICE OF PLANNED START OF WORK MUST BE SUBMITTED TO MTS A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO WORK STARTRING IN MTS R/W. ALL WORK WILL BE STOPPED AND PERMITTEE WILL NOT BE ALLOWED IN MTS R/W WITHOUT PROPER NOTIFICATION.
- PERMITTEE'S ON-SITE SUPERVISION SHALL RETAIN/MAINTAIN A FULLY EXECUTED COPY OF THE RIGHT OF ENTRY PERMIT AT ALL TIMES WHILE ON MTS R/W.
- SDTI RAIL FLAGGING WILL BE REQUIRED ANYTIME WORK IS WITHIN FIFTEEN (15) FEET OF ANY OPERABLE TRACK INCLUDING AIRSPACE OR AS DEEMED NECESSARY BY MTS. A SDTI FLAGPERSON/RIGHT-OF-WAY WORK REQUEST FORM MUST BE SUBMITTED TO SDTI A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO ANTICIPATED WORK. FORMS ARE ATTACHED TO THE ROE PERMIT OR CAN BE REQUESTED THROUGH MTS RIGHT OF WAY SERVICES.
- 10. A SDTI TRACTION POWER SHUTDOWN MAY BE NECESSARY FOR THE WORK ZONE TO PROTECT AND MAINTAIN THE REQUIRED TEN (10) FOOT CLEARANCE FROM TROLLEY OVERHEAD HIGH VOLTAGE CATENARY SYSTEM (OCS) PERMITTEE SHALL SUBMIT A SDTI RED TAG/ TRACTION POWER REMOVAL REQUEST FORM TO SDTI AT LEAST THREE (3) BUSINESS DAYS PRIOR TO THE START OF WORK, POWER SHUTDOWNS SHALL ONLY BE ALLOWED DURING NON-OPERATING TROLLEY HOURS. FORMS ARE ATTACHED TO THE ROE PERMIT OR CAN BE REQUESTED THROUGH MTS RIGHT OF WAY SERVICES.
- 11. PERMITTEE SHALL CONTACT AND SCHEDULE DIG-ALERT AND CABLE PIPE AND LEAK ("CPL") PRIOR TO ANY EXCAVATION IN MTS R/W. PERMITTEE SHALL NOTIFY MTS A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO THE SCHEDULED UTILITY MARKOUT REQUEST AND SHALL SUBMIT A SDTIFLAGPERSON / RIGHT-OF-WAY WORK REQUEST FORM. SDTI PERSONNEL SHALL ACCOMPANY CPL FOR ANY MARKOUT OF TROLLEY FACILITIES.
- 12. PERMITTEE SHALL ADHERE TO CONSTRUCTION AND SAFETY STANDARDS REQUIRED BY MTS OF THEIR CONTRACTORS WHEN WORKING WITHIN MTS R/W.
- 13. PERMITTEE SHALL PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC) AND CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (CAL-OSHA)
 REGULATIONS, MTS LRT DESIGN CRITERIA, AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY
 ASSOCIATION (AREMA) STANDARD SPECIFICATIONS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) GUIDELINES AND MTS, SDTI AND SD&IV OPERATIONS AND SAFETY POLICIES.
- 14. PERMITTEE AGREES THAT NO WORK BY HIMSELF OR HIS AUTHORIZED AGENT WILL INTERFERE WITH RAILROAD/TROLLEY OPERATIONS.
- 15. PERMITTEE AGREES TO COORDINATE ON A DAILY BASIS A REASONABLE ACCESS TO ALL MTS/SD&AE FACILITIES WITH CONTRACT OPERATORS, SDTI, AND SD&IV. SDTI TROLLEY OPERATIONS ARE GENERALLY FROM THE HOURS OF 4:00 A.M. TO 2:00 A.M. THE FOLLOWING DAY. SD&IV FREIGHT TRAINS NORMAL OPERATIONS ARE DURING
- 16. PERMITTEE SHALL MAINTAIN SAFE PEDESTRIAN ACCESS TO ALL TROLLEY PLATFORMS AND BUS STOPS AT ALL TIMES. A MINIMUM FIVE (5) FOOT WIDE ACCESSIBLE PEDESTRIAN PATH THROUGH THE CONSTRUCTION SITE SHALL BE MAINTAINED AT ALL TIMES. THE CONSTRUCTION BOUNDARY SHALL CONSIST OF A TOP AND BOTTOM RAIL CONSTRUCTED OF PLASTIC PIPE, OSHA PLASTIC MESH, OR APPROVED EQUAL. YELLOW CAUTION TAPE IS NOT
- 17. PERMITTEE SHALL NOT STORE EQUIPMENT, TOOLS, AND MATERIALS WITHIN FIFTEEN (15) FEET FROM TROLLEY OPERABLE TRACK AND WITHIN TWENTY-FIVE (25) FEET FROM FREIGHT TRACK OPERATIONS.
- 18. PERMITTEE SHALL NOT USE OR STORE HAZARDOUS SUBSTANCES, AS DEFINED BY THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT, AS AMENDED ("CERCLA") OR PETROLEUM OR OIL AS DEFINED BY APPLICABLE ENVIRONMENTAL LAWS ON MTS R/W.
- 19. NO VEHICULAR CROSSING OVER TRACKS SHALL BE INSTALLED OR USED BY PERMITTEE WITHOUT PRIOR WRITTEN PERMISSION OF RAILROAD
- 20. A WRITTEN NOTICE SHALL BE SUBMITTED TO MTS ONE (1) BUSINESS DAY AFTER WORK IS COMPLETED WITHIN MTS R/W. ANY ADDITIONAL WORK REQUIRED TO REPLACE OR REPAIR THE RAILROAD FACILITIES IN GOOD WORKING ORDER WILL BE THE PERMITTEE'S RESPONSIBILITY PRIOR TO RELIEF FROM MAINTENANCE WITHIN THE PERMIT

MTS GENERAL NOTES (CONT'D):

- THE TERM "RAILROAD" SHALL MEAN THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM (MTS).
- 22. THE CONTRACTOR MUST UNDERSTAND THE CONTRACTOR'S RIGHT TO ENTER RAILROAD'S RIGHT OF WAY IS SUBJECT TO ABSOLUTE RIGHT OF RAILROAD TO CAUSE THE CONTRACTOR'S WORK OR RAILROAD'S RIGHT OF WAY TO CEASE IF, IN OPINION OF RAILROAD, CONTRACTOR'S ACTIVITIES CREATE A HAZARD TO RAILROAD'S RIGHT OF WAY, EMPLOYEES, AND OPERATIONS.

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL REVIEW EXISTING CONDITIONS ON THE SITE DURING THE BIDDING AND SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES BETWEEN THE PLANS AND THE
- 2. THE CONTRACTOR'S WORK SHALL CONFORM TO ALL REQUIREMENTS SPECIFIED IN THE SPECIAL PROVISION AND AS SHOWN HEREIN.
- 3. THE CONTRACTOR'S WORK SHALL CONFORM TO ALL REQUIREMENTS SPECIFIED IN THE SPECIAL PROVISIONS AND AS SHOWN HERIN.
- 4. ALL DIMENSIONS SHALL TAKE PRECENDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS.
- 5. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECENDENCE OVER GENERAL NOTES
- 6. THE CONTRACTOR DOCUMENTS AND SPECIFICATIONS PRESENT THE FINISHED CONDITION. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- 7. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, DESIGN CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS,
- 8. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
- 9. WHEN GIVEN THE NOTICE TO PROCEED, THE CONTRACTOR SHALL DEVELOP AND SUBMIT FOR APPROVAL A CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAGING ALL CONSTRUCTION FOR MINIMAL IMPACT TO TRAIN SERVICE AND THE FLOW STREET TRAFFIC. CONTRACTOR SHALL WORK CLOSELY WITH SDTI OPERATIONS

UTILITY NOTES:

1. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS AND ARE NOT NECESSARILY IN THE LOCATION SHOWN ON THE PLANS. CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY SHOWN ON THE PLANS PRIOR TO CONSTRUCTION. CONTRACTOR IS ALSO DIRECTED TO THE GENERAL NOTES SHOWN HEREON FOR ADDITIONAL INFORMATION/INSTRUCTION REGARDING UTILITIES.

GRADE CROSSINGS:

- 1. CONTRACTOR SHALL USE SURVEY CONTROL POINT, INCLUDING BENCH MARKS,
- 2. THE CONTRACTOR SHALL PREPARE AND SUBMIT TRAFFIC CONTROL PLANS IN ACCORDANCE WITH THE SPECIFICATIONS.
- 3. RAIL SHALL BE NEW RE RAIL 115 LB PER LINEAR YARD.
- 4. ALL MANUFACTURER'S RECOMMENDATIONS FOR CONCRETE PANEL CROSSING INSTALLATION SHALL BE FOLLOWED BY CONTRACTOR UNLESS OTHERWISE
- 5. CONTRACTOR SHALL DEMOLISH AND DISPOSE OF EXISTING ASPHALT PAVEMENT, CONCRETE AND ANY OTHER MATERIAL NOT USED. DISPOSAL SHALL OCCUR
- 6. WHERE EXISTING CURB OR GUTTER IS TO REMAIN AND AT JOINTS TO EXISTING AC PAVEMENT AN AC PAVEMENT CAP IS TO BE APPLIED ADJACENT THERETO, THE CONTRACTOR SHALL FIRST REMOVE PAVEMENT BY COLD PLANING TO ALLOW MINIMUM 1 1/2 INCH OVERLAY THICKNESS.
- 7. CONTRACTOR SHALL RESET ALL SURVEY MONUMENTS DAMAGED OR BURIED AS A RESULT OF HIS OPERATIONS.
- 8. WHERE NEW STRIPING IS NOT INDICATED, CONTRACTOR SHALL REPLACE EXISTING STRIPING AND PAVEMENT MARKERS IN AREAS OF NEW PAVEMENT IN SAME LOCATION AND IN KIND (ALYKID THERMO PLASTIC, PAINT, RAISED MARKERS/REFLECTORS, ETC.)
- 9. IN AREAS WHERE THE CONTRACTOR APPLIES A/C CAP OR CONSTRUCTS A NEW SHET STRUCTURAL SECTION, INCLUDING SIDEWALK, THE CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING VALVE BOXES, MANHOLES, AND ANY OTHER SIMILAR UTILITY SYSTEM APPURTENANCE. SEE SPECIFIC CROSSING PLANS.

DESIGNED BY

CHECKED B'

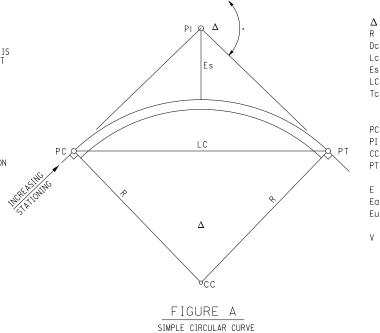
R. BOLEY

PRJ. ENG.

G. MCKEE

J.K. ANDRES

M.R. GRANADO

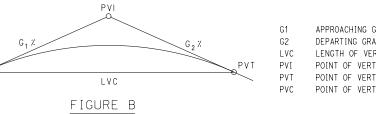


Att. A, Al 9, 06/17/2021 CENTRAL ANGLE OF CIRCULAR CURVE

DEGREE OF CURVATURE (ARC DEFINITION) LENGTH OF CIRCULAR CURVE (ARC DEFINITION) EXTERNAL DISTANCE FROM PI TO CIRCULAR CURVE CHORD LENGTH (DISTANCE FROM PC TO PT) TANGENT LENGTH OF CIRCULAR CURVE (DISTANCE FROM PC / PT TO PI)

POINT OF CURVATURE POINT OF INTERSECTION OF CIRCULAR CURVE CURVE CENTER POINT OF TANGENCY

EQUILIBRIUM ELEVATION OF OUTSIDE RAIL (INCHES) ACTUAL ELEVATION OF OUTSIDE RAIL (INCHES) UNDERBALANCE / CANT DEFICIENCY ELEVATION OF OUTSIDE RAIL (INCHES) VELOCITY (MILES PER HOUR)



APPROACHING GRADE DEPARTING GRADE LENGTH OF VERTICAL CURVE POINT OF VERTICAL INTERSECTION POINT OF VERTICAL TANGENCY POINT OF VERTICAL CURVATURE

NOTES:

1. CIRCULAR CURVES ARE DEFINED BY THE ARC DEFINITION.

VERTICAL CURVE

3. ALL ANGLES ARE IN DEGREES, DISTANCES AND LENGTHS ARE IN FEET, EXCEPT SUPERELEVATIONS ARE IN INCHES AND SPEEDS ARE IN MILES PER HOUR (MPH).

IMPORTANT NOTICE

SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG.

NO.	DATE	REVISIONS	BY	СНК	APRV

DRAWN B 70% SUBMITTAL OT FOR CONSTRUCTION



Metropolitan Transit System

AMERICA PLAZA RAIL REPLACEMENT

MTS GENERAL NOTES

SCALE NTS CONTRACT NO. 31947.0-17 DRAWING NO. SHEET NO. GOI A-7 2 OF 10 2 OF 10

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

LEGEND		
EXISTING IMPROVE	EMENTS	
<u>EM</u>		<u>SYMBOL</u>
ABANDONDED LINE		
ACCESS CONTROL (CALTRANS)		
ASPHALT SURFACE		
BUILDING		
BRUSH LINE/TREE LINE		~~~~~
COMMUNICATION LINE		
CONCRETE SURFACE		
CURB		
DIRT SURFACE		
DOMESTIC WATER		W
EXISTING TRACK		
FENCE AND HANDRAILS		—×——×—
FENCE WALL		×_
FIBER OPTIC LINE		——F0C—
GAS		G
GUARD RAIL		
GUTTER		
5' CONTOUR		80
1' CONTOUR		79
OVERHEAD ELECTRIC		—— - E ——
OVERHEAD TELEPHONE		——Т
PARKING LOT LINES		
PROPERTY LINE		
RAILROAD TRACK		
RIGHT OF WAY (CALTRANS)		
RIGHT OF WAY (MTS)		
RIGHT OF WAY (CITY OF SAN DIEGO)		
ROADWAY GUARDRAIL		_ = _ =
ROAD STRIPING		
SANITARY SEWER		ss
STORM DRAIN		sp
WATER LINE		w
CATENARY POLE		
ROADWAY CENTERLINE		
TRASH CAN		(Ŧ)
TRAFFIC SIGNAL		
GUY ANCHOR)
WATER MANHOLE		
IGHT STANDARD		 #-EF
TICKET VENDING MACHINE		TVM
WATER METER		
STORM DRAIN MANHOLE		
STORM SEWER MANHOLE		
WATER VALVE		
FIRE HYDRANT		>⊝∢FH
TELEPHONE PULLBOX		
SEWER CLEANOUT		
IGHT COMMUNICATION PULLBOX		
IGHT STANDARD PULLBOX		♦ TEL-PB
ELECTRICAL PULLBOX		
RAFFIC SIGNAL PULLBOX		♦ ₹S PB

*NOTE: CONTOUR INTERVAL IS 1'

PROPOSED IMPRO	<u>VEMENTS</u>	
<u>IMPROVEMENT</u>	STANDARD DWGS.	<u>SYMBOL</u>
MAJOR CONTOUR		10
MINOR CONTOUR		
FLOWLINE		(X%)
SLOPE		
NEW ASPHALT CONCRETE PAVING	SDG-113	
EXISTING TRACK CENTERLINE		
SAWCUT LINE		
PRECAST CROSSING PANEL (MTS)		
PROPOSED EB, WB		
NEW PAVEMENT LIMITS		
GRIND AND OVERLAY LIMITS		
SURVEY CONTROL MONUMENT		xxx
STOCK RAIL		••••
SWITCH POINTS		

REVISIONS

<u>Symbols</u>

DATE

ø	DIAMETER
&	AND
E	CENTERLINE

	DESIGNED BY J.K. ANDRES	DATE 04/21
	DRAWN BY	
	M.R. GRANADO	04/21
L	CHECKED BY	
ION	R. BOLEY	04/21
	PRJ. ENG.	
	G. MCKEE	04/21

Metropolitan Transit System

, (38) 12 (7)	1770710		
<u>L</u>	GENERA	AL CONT'D_	GE
ABOUT	EQ	EQUAL	OTM
ABUTMENT	EX/EXIST	EXISTING	PCC
ASPHALT CONCRETE	FH	FENCE HINGE	PED
AHEAD	FG	FINISHED GRADE	PH
ASSESOR'S PARCEL NUMBER	FL	FLOWLINE	POT
APPROXIMATELY	FM	FORCE MAIN	PRO
AVENUE	FPS	FEET PER SECOND	PSF
ABSOLUTE WORK WINDOW	FT	FEET	PSI
BEGIN CURVE	FW	FIELD WELD	R/W
BRASS CAP CONTROL POINT	GA	GAUGE	REI
BOTTOM OF	GB	GRADE BREAK	REQ
BACK FLOW	GALV	GALVANIZED	RD
BACK	GRND	GROUND	RIM
BOULEVARD	HOR	HORIZONTAL	ROW
BENCHMARK	HP	HIGH POINT	RR
BEST MANAGEMENT PRACTICES	HP	HIGH PRESSURE	RSP
BLOW OFF	HWY	HIGHWAY	RP
BASE OF RAIL	ID	INSIDE DIAMETER/INNER DIAMETER	RT
BOTTOM	ΙE	INVERT ELEVATION	RW
BRIDGE	INC.	INCORPORATED	SD
BETWEEN	IJ	INSULATED JOINT	SE
CENTER-TO-CENTER	INST.	INSTRUMENT	SF
CENTERLINE	JT	JOINT	SGH
CALIFORNIA	JROE	JOINT RIGHT OF ENTRY	SHT
CUBIC FEET PER SECOND	L&D	LEAD AND DISC	SIG
CAST-IN-DRILLED-HOLE	L	LENGTH	SIM
CAST-IN-PLACE	LB	POUND	SOH
CAST-IN-STEEL-SHELL	LF	LINEAR FOOT	ST
CLEARANCE	LOL	LAYOUT LINE	STA
COMPANY	L.S.	LICENSED SURVEYOR	STD
CONCRETE	LT	LEFT	SWM
CONSTRUCTION	MAX	MAXIMUM	0
CONTINUOUS	MH	MANHOLE	SWP
CONTINUED	MHHW	MEAN HIGHER HIGH WATER	T
CONTROL POINT	MIN	MINIMUM	T/
CONTINUOUS WELDED RAIL	MK	MARK	T/R
CUBIC YARD	ML	MAINLINE	TC
DUCT BANK	MOC	MIDDLE OF CURVE	TEM
DEPARTMENT	MOW	MAINTENANCE OF WAY	TO.
DROP INLET	MP	MILE POST	TRK
DIAMETER	MT	MAIN TRACK	TYP
DIRECT FIXATION	MT-1	NCTD MAIN TRACK 1	UD
DRAWING	MT-2	NCTD MAIN TRACK 2	VER
DRIVE	N N	NORTHING	VMA
DRIVEWAY	NB	NORTHBOUND	V M A
END CURVE	NF	NOT FOUND	WBL
EACH	NIC	NOT IN CONTRACT	WDL W/
EACH	NIC	NOT IN CONTRACT	W/

NUMBER

NOTICE OF INTENT

OUTSIDE DIAMETER

ORIGINAL GRADE

NOT TO SCALE

ON CENTER

NOI

NTS

0.0.

OD

ABBREVIATIONS

GENERAL

EASTING

FOR EXAMPLE

ELECTRICAL

ELEVATION

ESTIMATED

EMPLOYEE IN CHARGE

ENVIRONMENTALLY SENSITIVE AREA

ABT

ABUT

AC

AHD

APN

AVE

AWW

BC

BCCP

B/

B.F.

BLVD

B.O.

BOR

BOT

BTWN

C/C

CL

CA.

CFS

 ${\tt CIDH}$

CIP

CISS

CLR

CO.

CP

CWR

CY

DB

DΙ

DIA

DF

DR

EC

EΑ

E.G.

EIC

ELEC

ESA

DWG.

DEPT.

CONC

CONSTR CONT

BK

APPROX.

GENERAL	CONT'D_
ОТМ	OTHER TRACK MATERIAL
PCC	PORTLAND CEMENT CONCRETE
PED	PEDESTAL
PH	POTHOLE
POTO	POWER OPERATED TURNOUT
PROP	PROPOSED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
R/W	RIGHT-OF-WAY
REINF	REINFORCEMENT
REQ'D	REQUIRED
RD	ROAD
RIM	TOP OF MANHOLE RIM
ROW	RIGHT-OF-WAY
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION
RP	RAILING POST
RT	RIGHT
RW	RETAINING WALL
SD	STORM DRAIN
SE	SUPERELEVATION
SF	SQUARE FOOT
SGH	SUBGRADE HINGE
SHT	SHEET
SIG	SIGNAL
SIM	SIMILAR
SOHT	SAN ONOFRE HOUSE TRACK
ST	STREET
STA	STATION
STD	STANDARD
SWMDCMA	STORM WATER MANAGEMENT AND DISCHARGE
	CONTROL MAINTENANCE AGREEMENT
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
T	THICKNESS
T/	TOP OF
T/R, TR	TOP OF RAIL
TC	TRACK CENTERS
TEMP	TEMPORARY
TO	TURNOUT
TRK	TRACK
TYP	TYPICAL
UD	UNDERDRAIN
VER	VERTICAL
VMAX	MAXIMUM VELOCITY
W	WIDTH
WBL BD	WILLIAMS BASE LINE BRASS DISC
W/	WITH

AMERICA PLAZA RAIL REPLACEMENT

MTS ABBREVIATIONS

SCALE	
NTS	
CONTRACT NO	
G1947.0-17	
DRAWING NO.	SHEET NO.
_{G02} A-8	3 OF 10

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

	70%
\	SUBMITT, NOT FOR CONSTRU
▼	ı

TRACK

DEGREE OF CURVE

DEFLECTION ANGLE - CIRCULAR CURVE

POINT OF CIRCULAR CURVE TO SPIRAL

POINT OF INTERSECTION - SPIRAL

POINT OF SPIRAL TO TANGENT

POINT OF TANGENT TO SPIRAL

POINT OF VERTICAL CURVE

POINT OF VERTICAL TANGENT

POINT OF VERTICAL INTERSECTION

AND TRANSPORTATION OFFICIALS

AMERICAN RAILWAY ENGINEERING AND

MAINTENANCE-OF-WAY ASSOCIATION

CALIFORNIA COASTAL COMMISSION

ENVIRONMENTAL PROTECTION AGENCY

FEDERAL RAILROAD ADMINISTRATION

MICROWAVE COMMUNICATIONS, INC.

NORTH COUNTY TRANSIT DISTRICT

METROPOLITAN TRANSIT SYSTEM

SAN DIEGO WATER DISTRICT

LOAD AND RESISTANCE FACTOR DESIGN

REGIONAL WATER QUALITY CONTROL BOARD

SAN DIEGO ASSOCIATION OF GOVERNMENTS

SOUTHERN CALIFORNIA TELEPHONE COMPANY

SAN DIEGO REGIONAL STANDARDS DRAWINGS

UNITED STATES ARMY CORPS OF ENGINEERS UNITED STATES FISH AND WILDLIFE SERVICE

SAN DIEGO GAS AND ELECTRIC COMPANY

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

SOLANA BEACH SANITATION DISTRICT

SOUTHERN CALIFORNIA GAS COMPANY

SAN DIEGO UNIFIED PORT DISTRICT

UNION PACIFIC RAILROAD

ICG TELECOM GROUP INC.

AMERICAN ASSOCIATION OF STATE HIGHWAY

NATIONAL RAILROAD PASSENGER CORPORATION

AMERICAN SOCIETY FOR TESTING MATERIALS

BURLINGTON NORTHERN SANTA FE RAILWAY

CALIFORNIA DEPARTMENT OF TRANSPORTATION

AMERICAN TELEPHONE AND TELEGRAPH COMPANY

POINT OF INTERSECTION - CIRCULAR CURVE

POINT OF INTERSECTION - TOTAL CURVE

POINT OF INTERSECTION OF TURNOUT

POINT OF SPIRAL TO CIRCULAR CURVE

DEFLECTION ANGLE - TOTAL CURVE

DEFLECTION ANGLE - SPIRAL

EQUILIBRIUM SUPERELEVATION

UNBALANCED SUPERELEVATION

LENGTH OF CIRCULAR CURVE

ACTUAL SUPERFLEVATION

LENGTH OF TOTAL CURVE

LENGTH OF SPIRAL

POINT OF BEGINNING

POINT OF CURVATURE

POINT OF INTERSECTION

POINT OF ENDING

POINT OF SWITCH

POINT ON CURVE

POINT ON SPIRAL

POINT ON TANGENT

POINT OF TANGENCY

RADIUS

 D_c

Δт

Fα

L¢

Ls

POB

POE

SPI

PΙc

PITO

SC

PS

POC

POS

POT

PVC

PVI

AASHTO

AMTRAK

AREMA

AT&T

BNSF

CCC

FΡΔ

FRA

ICG

MCI

MTS

NCTD

RWOCB

SANDAG

SANDWD

SBSD

SCRRA

SCGC

SCTC

SDG&E

USACE

USFWS UPRR

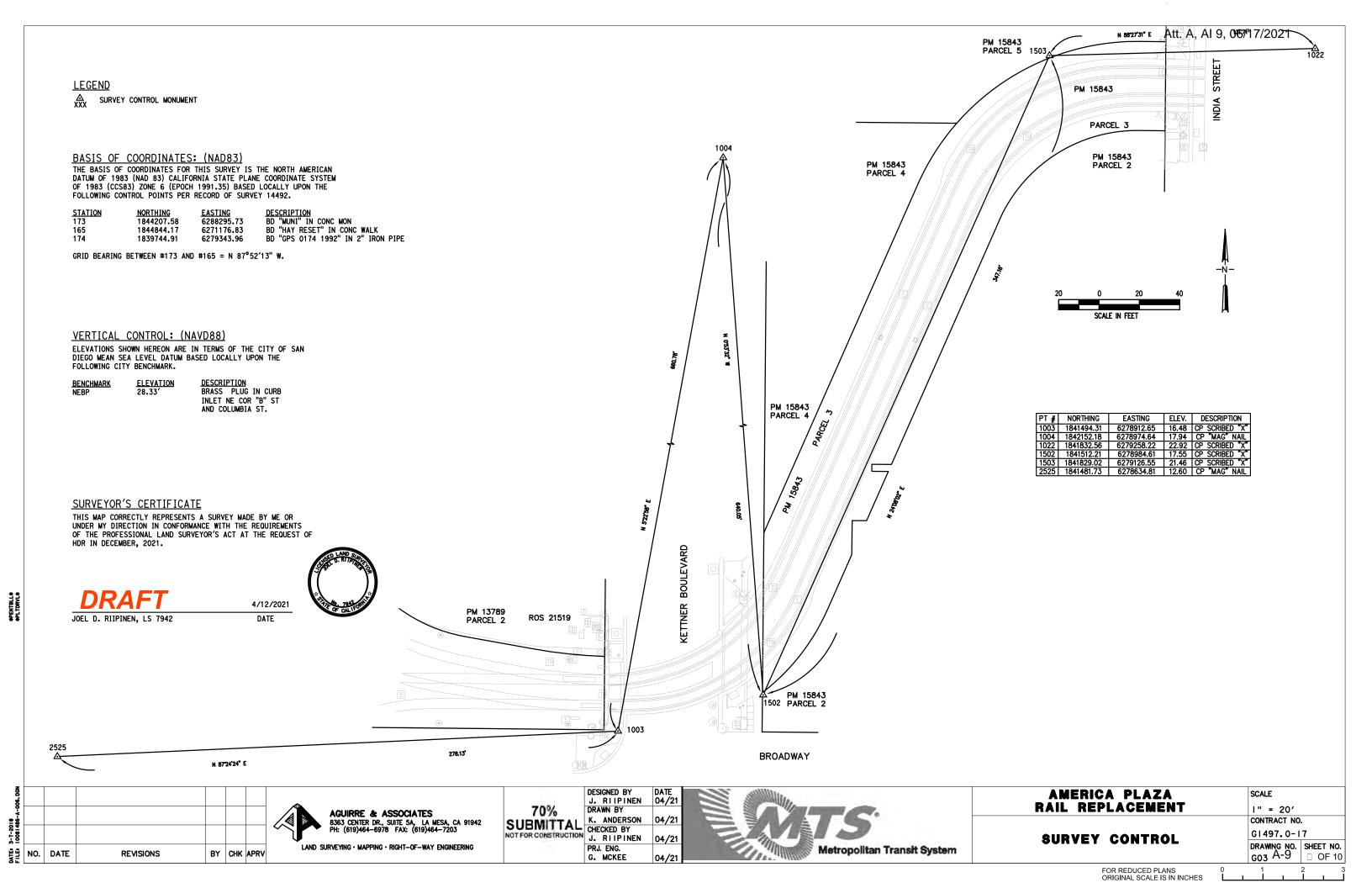
SDRS/SDRSD

S.D.U.P.D.

LRFD

A.S.T.M.

AGENCIES



WESTBOUND ALIGNMENT GEOMETRY TABLE

POINT TYPE	STATION	NORTHING	EASTING	DELTA/ BEARING	ROTATION/ DIRECTION	Dc (D°M'S")	RADIUS (FEET)	LENGTH (FEET)	(LRT)	Ea	Eu (LRT)	LRT DESIGN SPEED (MPH)
POB/PS	0+00.00	1841519.654	6278906.214									
				S 89°23′16" E				2.31	-	-	-	25
PC	0+02.31	1841519.63	6278908.525									
PI	0+13.94	1841519.505	6278920.154	14°29′38"	LEFT	S 66°17′05" E	91.45	23.13	-	-	-	25
PCC	0+24.18	1841522.295	6278931.444									
PI	0+69.57	1841533.186	6278975.51	52°18′41"	LEFT	65°29′52"	92.43	84.39	-	-	-	25
PT	1+04.04	1841574.715	6278993.833									
				N 23°48′26" E				210.27				
PC	3+14.31	1841767.093	6279078.71									
PI	3+72.23	1841820.077	6279102.087	65°17′39"	RIGHT	N 67°10′03" E	90.39	103.01	-	-	-	25
PCC	4+11.53	1841820.985	6279159.992									
PI	4+33.04	1841821.323	6279181.507	3°55′09"	RIGHT	9°07′11"	628.92	43.02	-	-	-	25
PT	4+54.50	1841820.189	6279202.996									
				S 86°58′46" E				0.74	-	-	-	25
POE	4+55.24	1841820.15	6279203.733									

EASTBOUND ALIGNMENT GEOMETRY TABLE

POINT TYPE	STATION	NORTHING	EASTING	DELTA/ BEARING	ROTATION/ DIRECTION	Dc (D°M'S")	RADIUS (FEET)	LENGTH (FEET)	(LRT)	Ea	(LRT)	LRT DESIGN SPEED (MPH)
POB/PS	0+00.00	1841507.252	6278893.003									
				S 89°19′00" E				26.07	-	-	-	25
PC	0+26.07	1841506.941	6278919.072									
PI	0+85.37	1841506.234	6278978.366	66°52′00"	LEFT	67°39′12"	89.82	104.82	-	-	-	25
PT	1+24.91	1841560.483	6279002.312									
				N 23°49′00" E				211.43	-	-	-	25
PC	3+36.34	1841753.912	6279087.691									
PI	3+95.22	1841807.773	6279111.465	66°35′07"	RIGHT	67°47′38"	89.65	104.19	-	-	-	25
PCC	4+34.56	1841807.360	6279170.339									
PI	4+51.16	1841807.244	6279186.944	1°44′18"	RIGHT	5°14′11"	1094.59	33.21	-	-	-	25
POE/PT	4+67.75	1841806.624	6279203.537									

ſ	HDR CHECK PRINT	No	DATE
ı		INITIALS	DATE
I	DRAWING MADE BY:		
I	CHECKED BY:		
I	CORRECTIONS CHK'D BY:		
I	CHANGES MADE BY:		
I	CHANGES VERIFIED BY:		

FDS

70%
SUBMITTAL
NOT FOR CONSTRUCTION

TO WE SUBMITTAL NOT FOR CONSTRUCTION

TO WE SUBMITTAL CHECKED BY 04/21

TO WE SUBMITTAL CHECKED BY 04/21

R. BOLEY 04/21

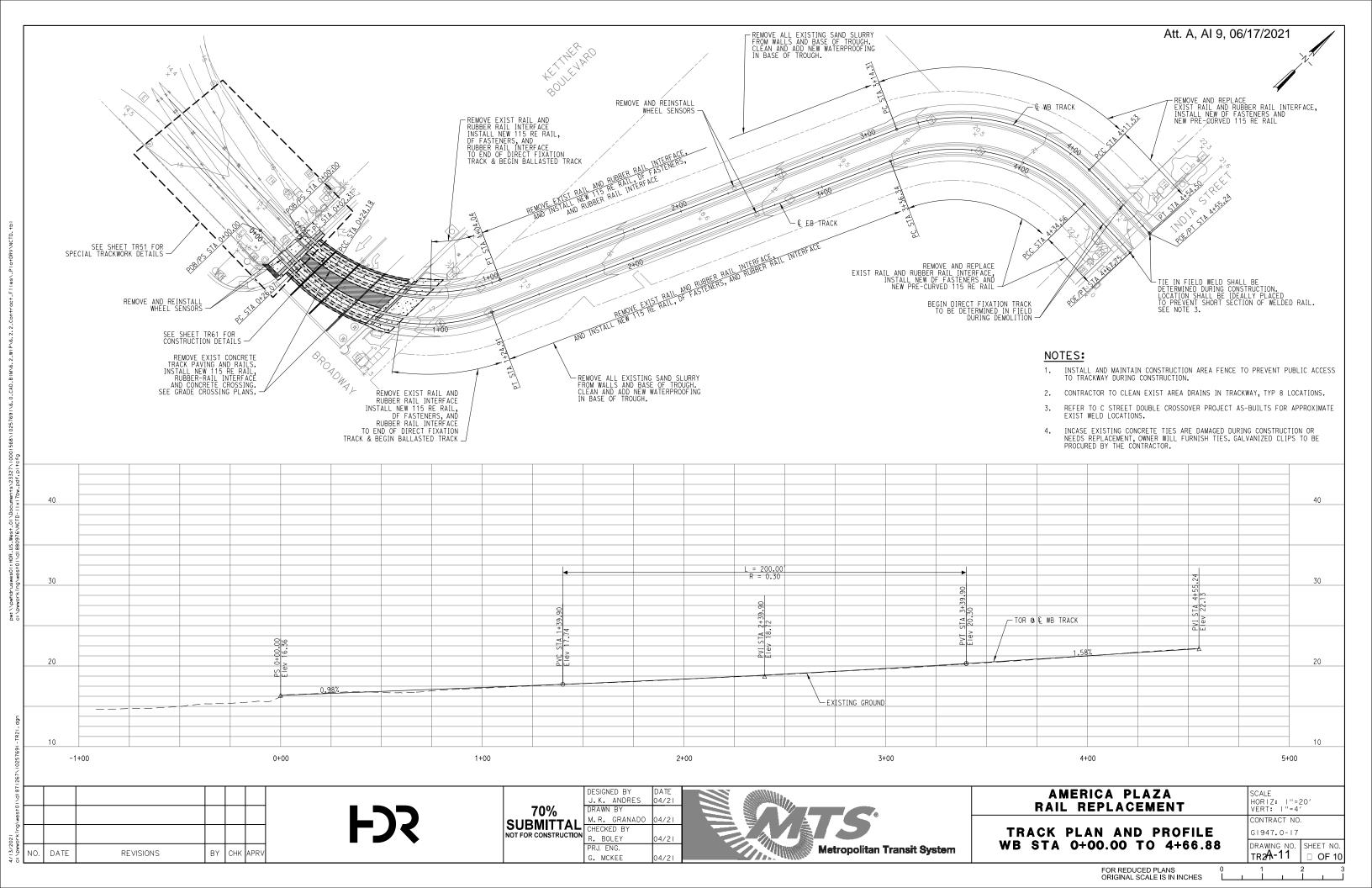


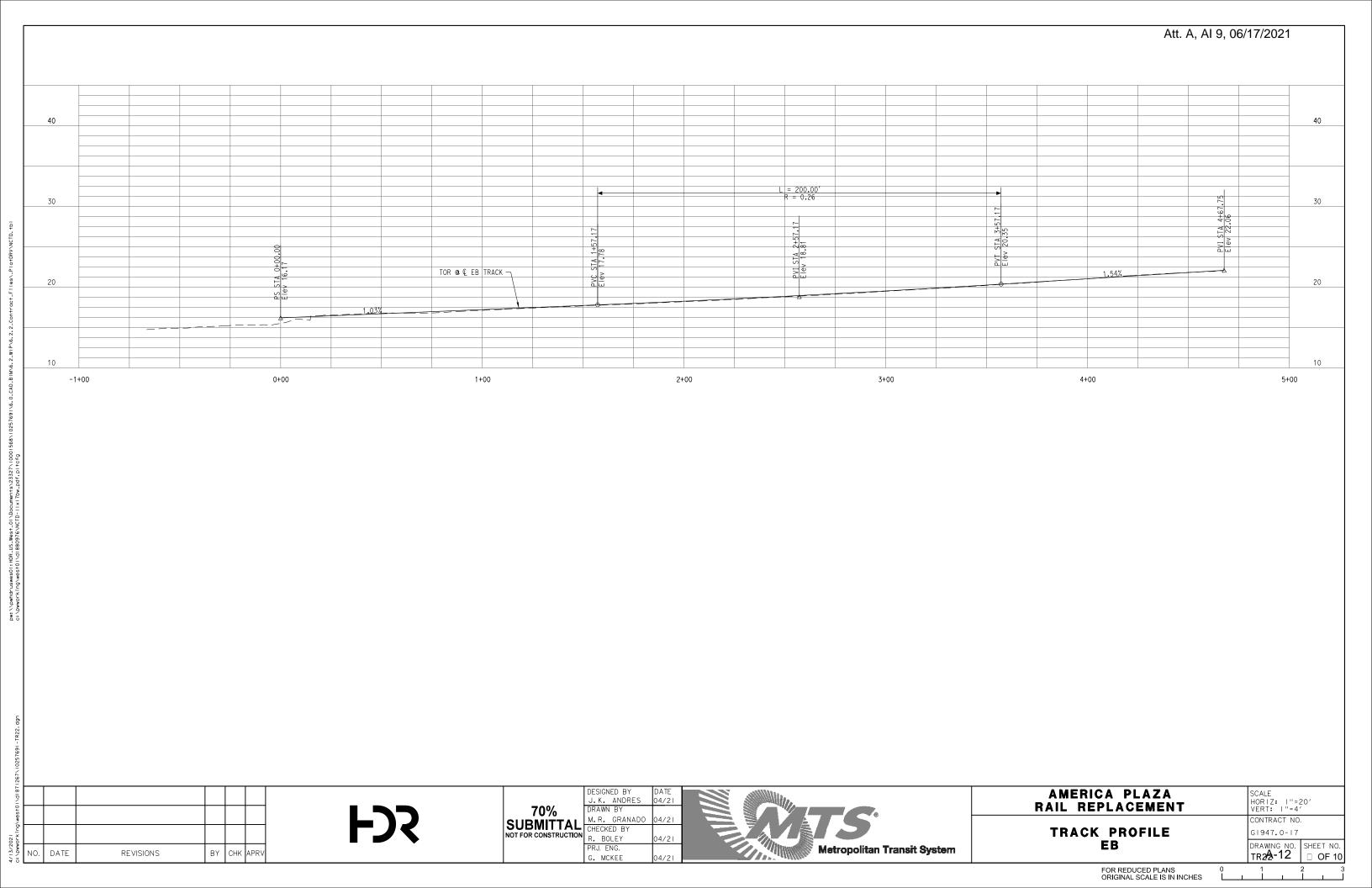
AMERICA PLAZA Rail Replacement

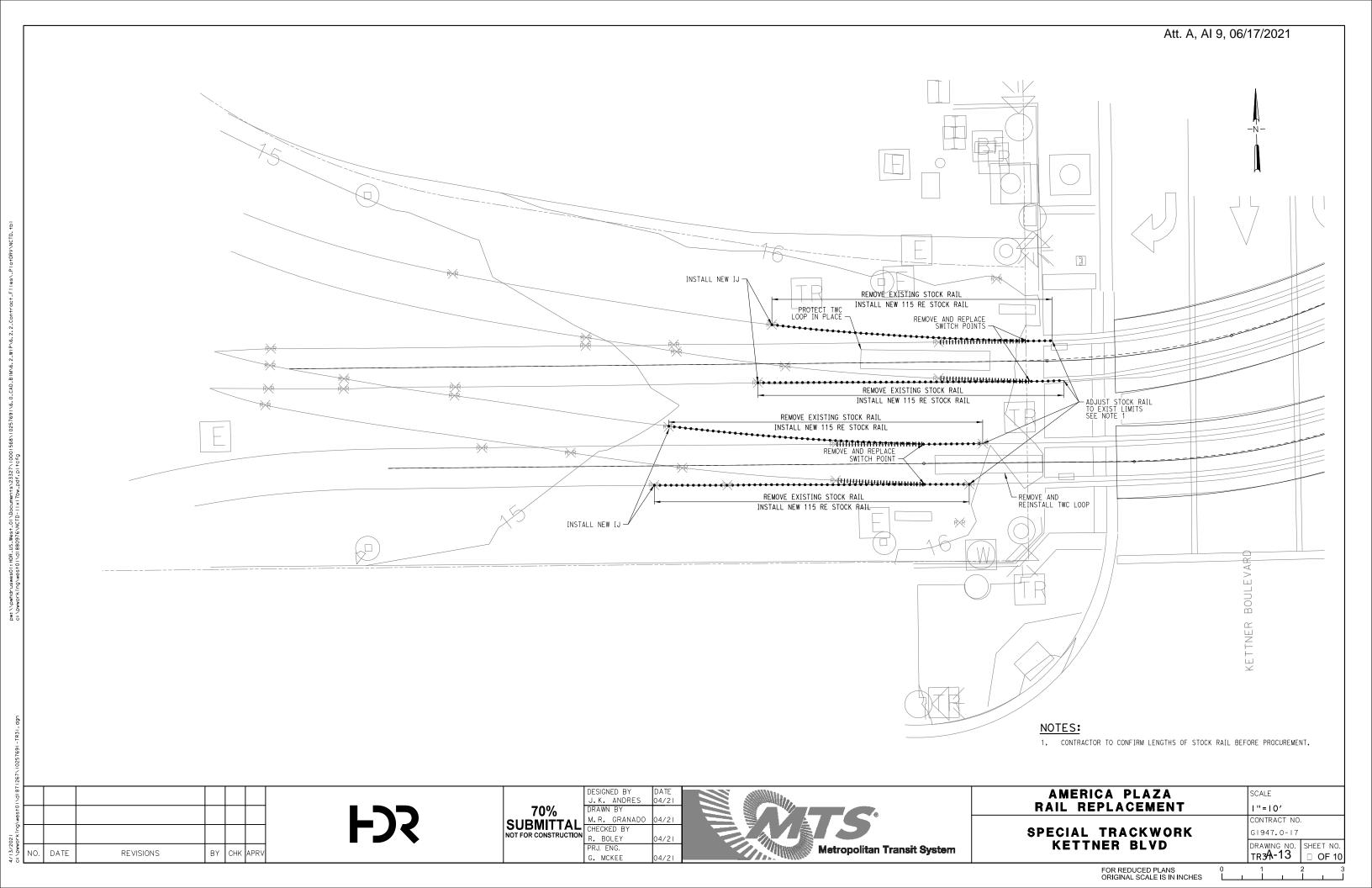
TRACK GEOMETRY

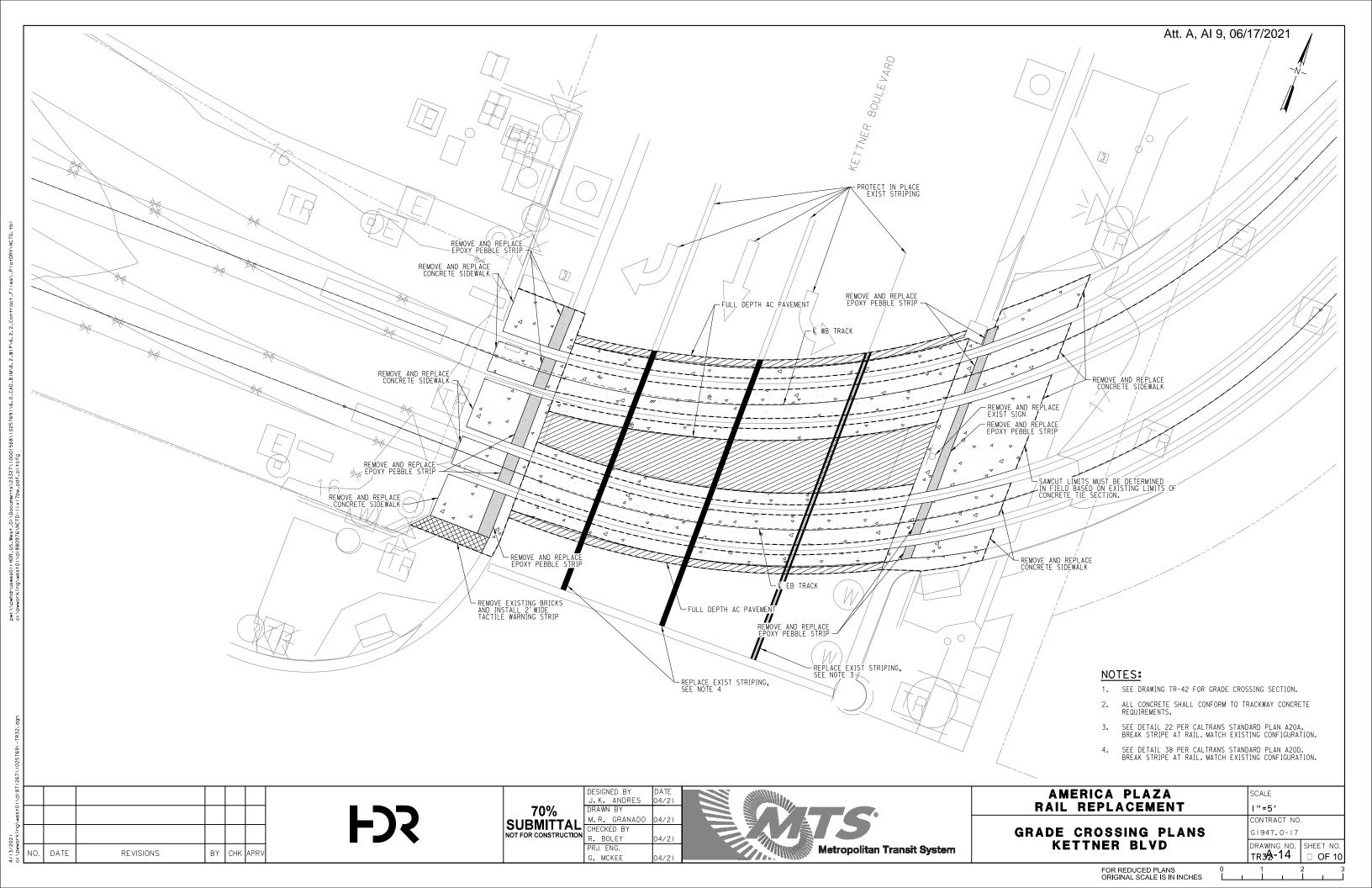
SCALE	
I"=5'	
CONTRACT NO	
G1947.0-17	
DRAWING NO.	SHEET N
l το ι Α-1 Ω	

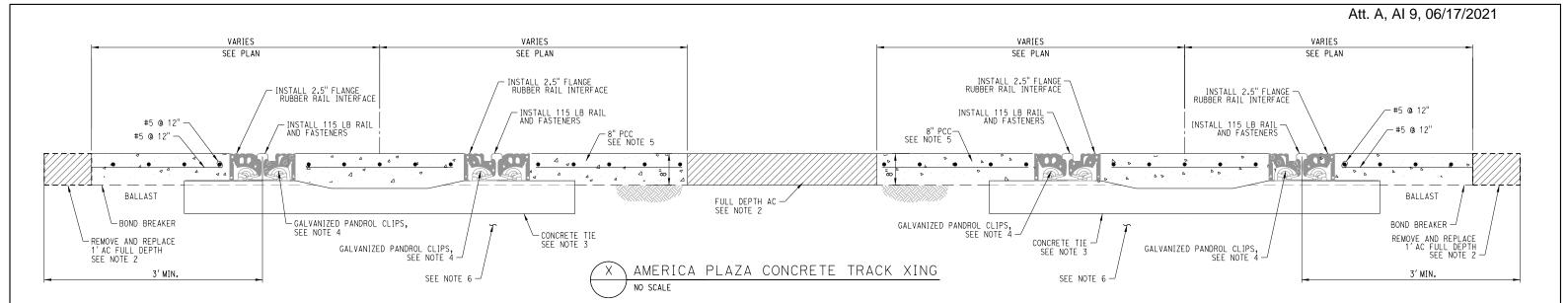
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

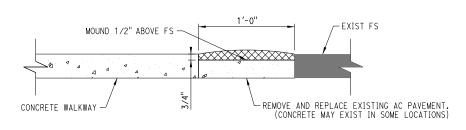














NOTES:

- 1. SEE REFERENCED DRAWING LRT-743A, RIGID CLIP DF FASTENERS DETAIL FOR TYPICAL SECTION WITHIN DIRECT FIXATION LIMITS.
- 2. ASPHALT CONCRETE STREET PAVING SECTION SHALL CONSIST OF 2-INCHES HMA OVER 10-INCHES PORTLAND CEMENT CONCRETE BASE.
- 3. INSTALL NEW PADS AND INSULATORS. IF BUDGET ALLOWS, REPLACE ALL TIES.
- 4. FOR ALL RAIL CLIPS AND RUBBER RAIL INTERFACE ASSEMBLIES, SEE REFERENCE DRAWING RACO159.
- 5. CONCRETE TRACKWAY PAVEMENT SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
- 6. ASSUME 9-INCH BALLAST DEPTH UNDER TIES. STAY ABOVE HARDPAN.

5							
wes+0							
21 rking							
4/13/202 c:\pwwor	NO.	DATE	REVISIONS	BY	СНК	APRV	

FD3

70% **SUBMITTA**

	DESIGNED BY J.K. ANDRES	DATE 04/21
	DRAWN BY	
	M.R. GRANADO	04/21
ION	CHECKED BY	
	R. BOLEY	04/21
	PRJ. ENG.	
	G. MCKEE	04/21

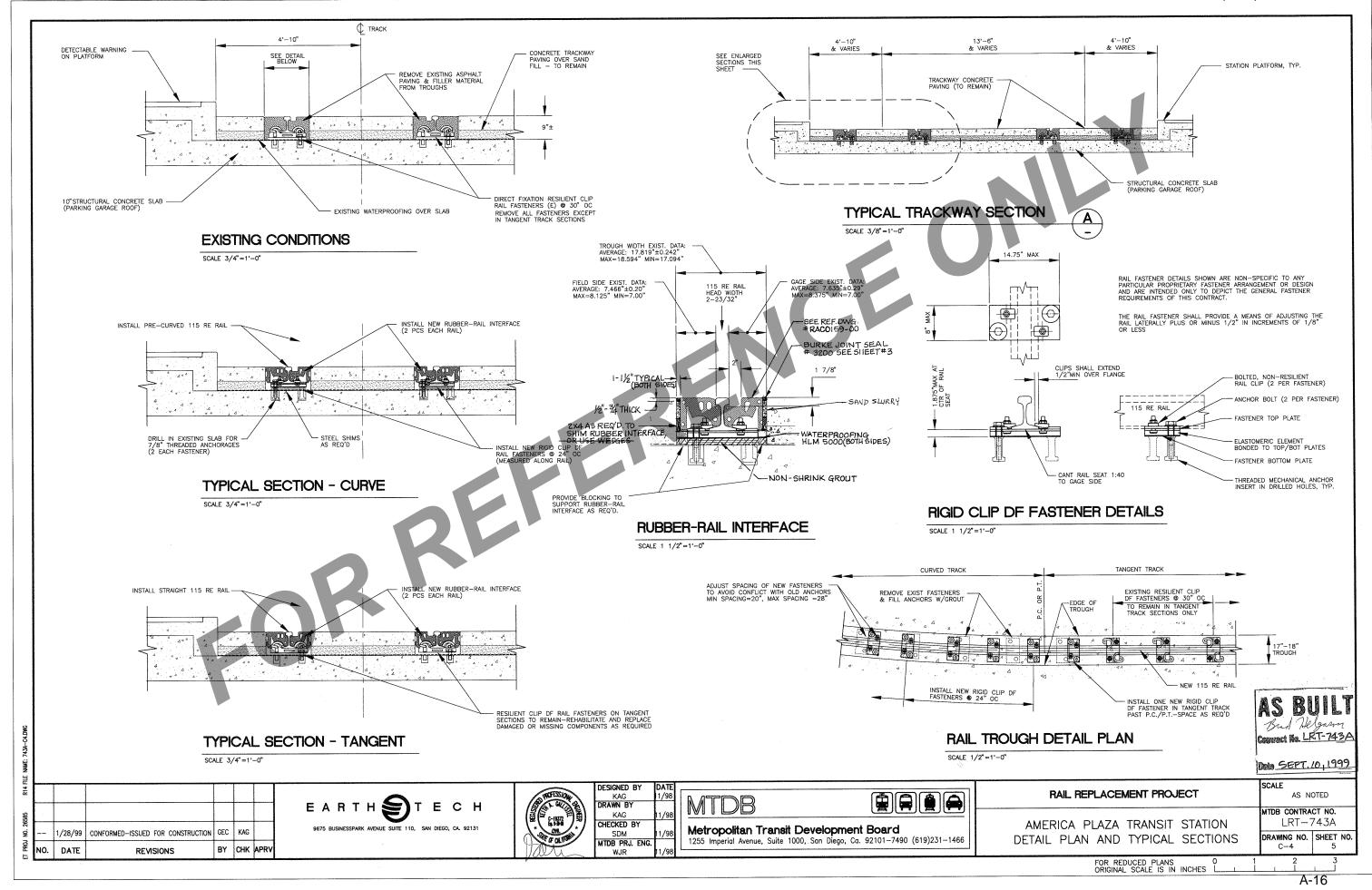


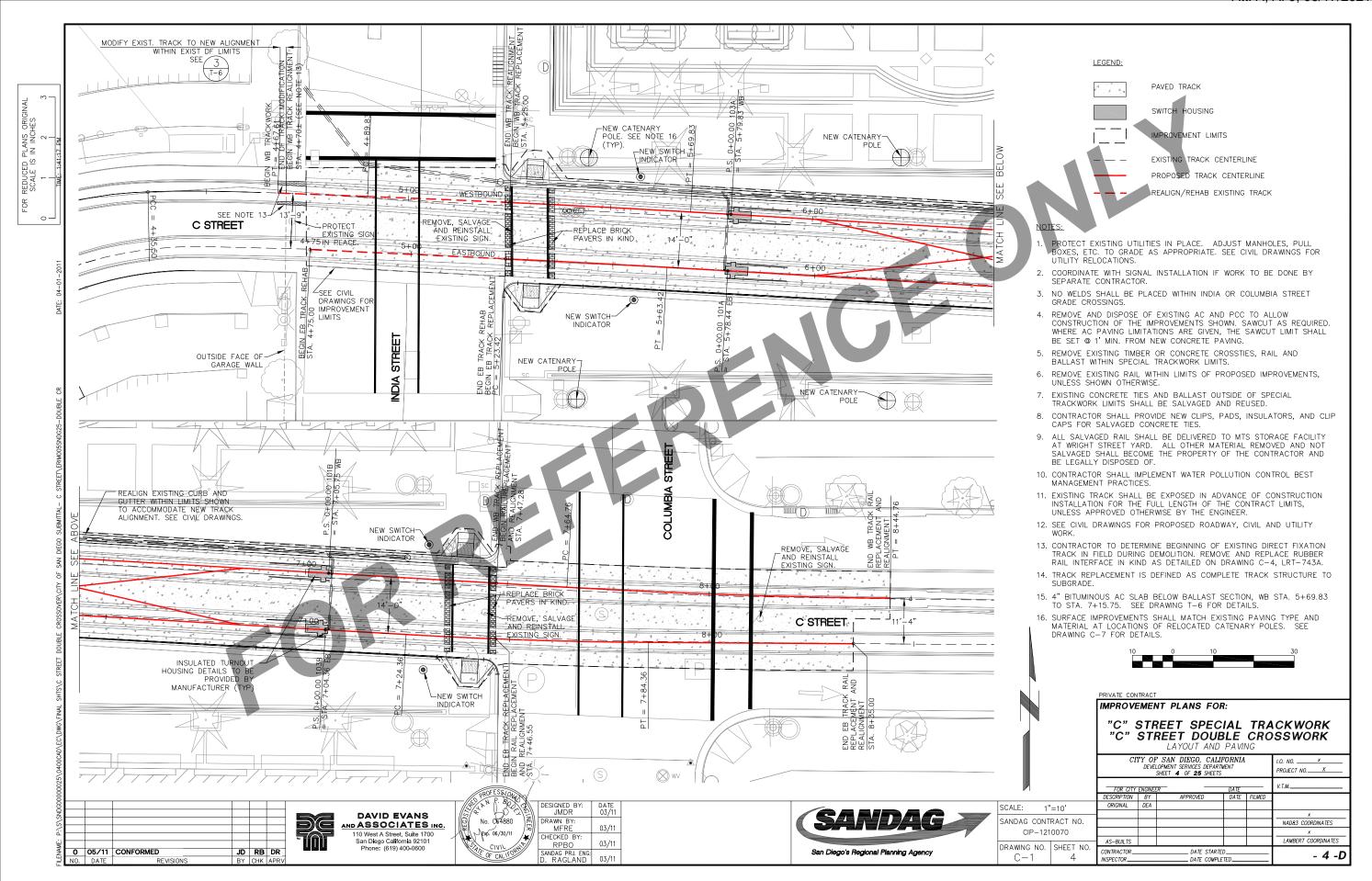
AMI	ERICA PLAZA	
RAIL	REPLACEMENT	
		_

CONSTRUCTION DETAILS

SCALE	
NTS	
CONTRACT NO	
G1947.0-17	
DRAWING NO.	SHEET NO.
TR4/2-15	10 OF 10

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES





*

CORE DRILL 2"

CORE DRILL FOR 2-4" CONDUIT INTO PARKING GARAGE

----- ROOF MOUNTED CONDUI

----- CONDUIT

RJB ROOF MOUNTED JUNCTION BOX

P3 CONCRETE PULL BOX (CALTRANS NO. 6 - 17" X 30" NOMINAL) WITH BOLT DOWN SIFF! TRAFFIC COVER

2 IN. SCH 40 PVC (* NO. OF CONDUITS)

4 IN. SCH 40 PVC (* NO. OF CONDUITS)

(# NO. OF CONDUITS)

INSTRUMENT ENCLOSURE (CASE OR HOUSE)

POLE JCT. BOX (EXISTING)

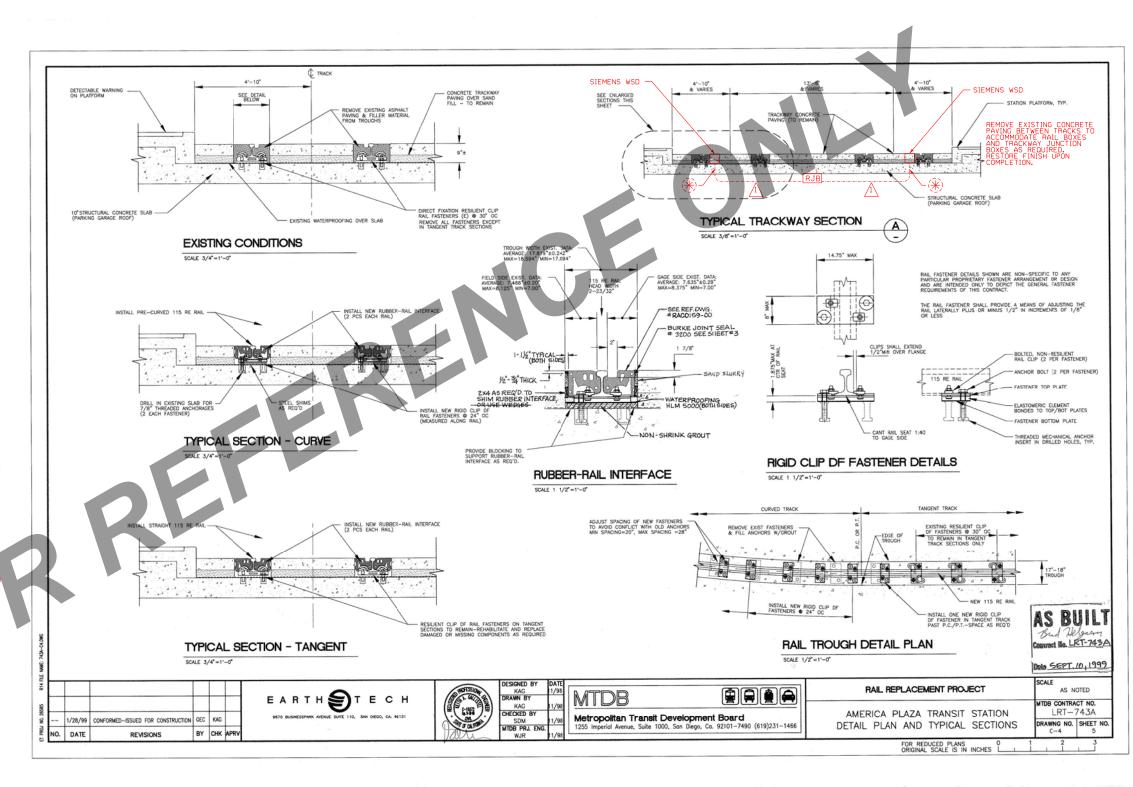
FB FIBER CABLE PULL BOX (EXISTING)

NOTES:

- 1. THE TYPICAL CONDUIT LAYOUT CONFIGURATIONS SHOWN HEREIN SHALL BE USED AS A GUIDE BY THE CONTRACTOR IN THE DEVELOPMENT OF THE FINAL CONDUIT LAYOUT ARRANGEMENTS.
- 2. CONDUIT INSTALLATION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- 3. CONDUITS PASSING UNDER ROADWAYS SHALL BE ENCASED IN RED COLORED CONCRETE.
- 4. ALL CABLES AND WIRES FROM THE INSTRUMENT ENCLOSURE TO EACH APPARATUS SHALL BE HOUSED IN CONDUIT.
- 5. CONTRACTOR SHALL FURNISH AND INSTALL CONCRETE PULL BOXES OF SUFFICIENT SIZE TO ENSURE THE BEND RADIUS OF CABLE AND WIRE IS NOT COMPROMISED.
- CONDUITS SHALL BE A MINIMUM DEPTH OF 30 INCHES BELOW FINAL GRADE UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- LONG CONDUIT SWEEPS SHALL BE INSTALLED WHEN A CHANGE IN DIRECTION OCCURS. PULL BOXES SHALL BE INSTALLED AT MAJOR TRANSITION POINTS.
- 8. SPARE CONDUIT ENDS SHALL BE CAPPED TO PREVENT ACCESS BY RODENTS OR DEBRIS. CONDUITS IN PULL BOXES AND ENCLOSURES CONTAINING CABLE AND WIRE SHALL BE SEALED WITH AN APPROVED SEALANT.
- 9. PULL BOX DIMENSIONS SHOWN ARE MINIMUM ACCEPTABLE SIZE. CONTRACTOR SHALL FURNISH LARGER PULL BOXES BASED ON MINIMUM CABLE BEND RADIUS AND CONDUIT ENTRANCE REQUIREMENTS. MINIMUM DISTANCE MEASURED FROM THE TOP TO THE BOX TO THE BOTTOM EDGE SHALL BE AS FOLLOWS:

P3 = 36 INCHES

10. UNDERGROUND GARAGE CONDUIT IS GRS 2" MINIMUM.



 05/27/11
 CONFORMED PLAN SET
 AP
 MM
 JAP

 NO.
 DATE
 REVISIONS
 BY
 CHK
 APR

PACIFIC RAILWAY ENTERPRISES, INC.

3560 University Avenue, Suite F

Riverside, California 92501

Source Control of Cont

	DESIGNED BY	DATE	
	MM	5/11	
	DRAWN BY		
, EM3	AP	5/11	
.]]	CHECKED BY		
//	JLH	5/11	
/	PRJ. ENG.		
	JAP	5/11	



"C" STREET CROSSOVERS	SCALE N.7
C STREET INTERLOCKING DETAIL PLAN & TYPICAL SECTIONS	CIP 12
SH. 23 OF 23	DRAWING NO.

SCALE

N.T.S.

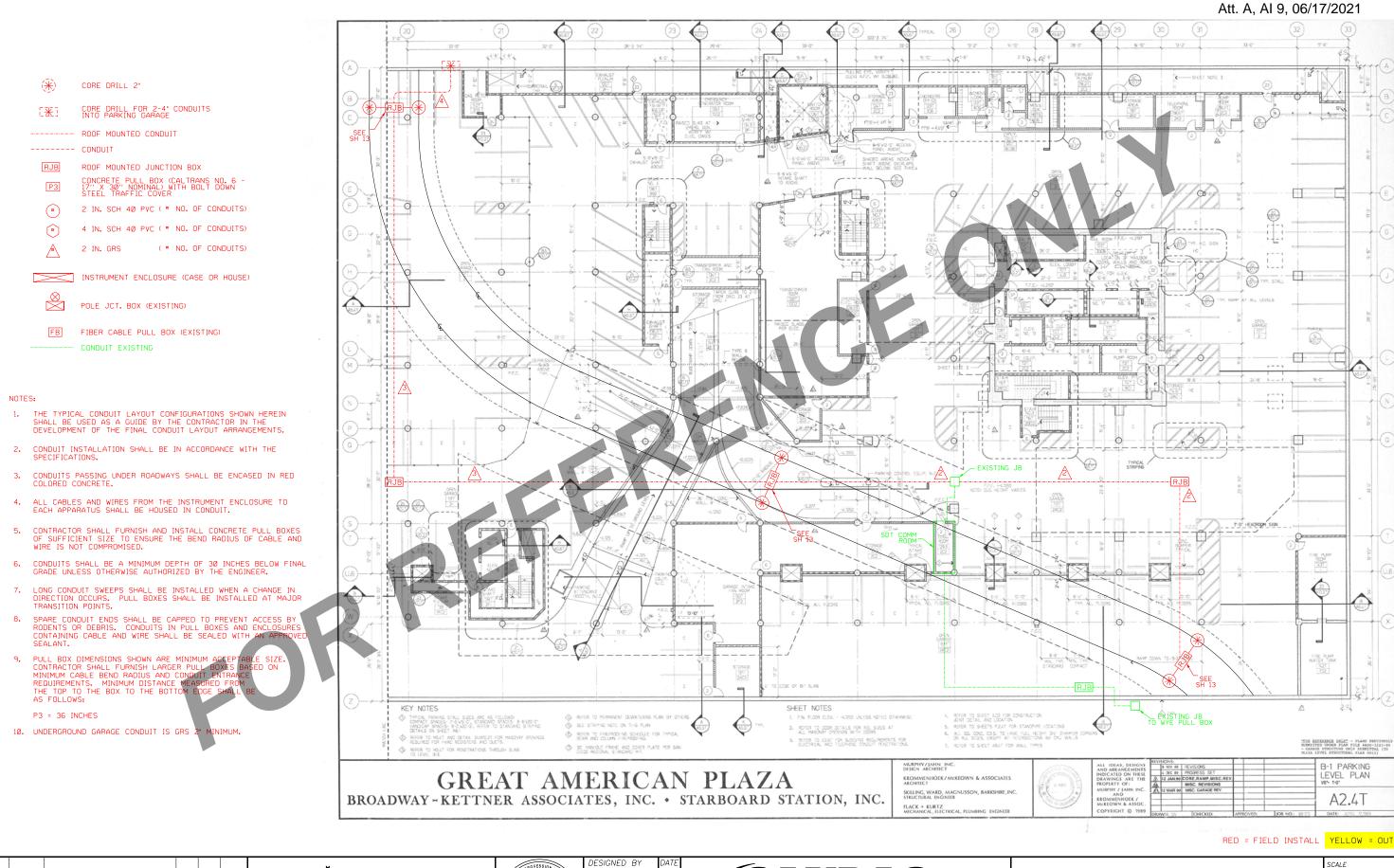
CONTRACT NO.

CIP 1210070

DRAWING NO. SHEET NO.

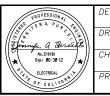
A6128 S-29

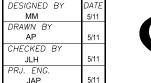
RED = FIELD INSTALL YELLOW = OUT



	05/27/11	CONFORMED PLAN SET	AP	ММ	JAP
NO.	DATE	REVISIONS	BY	СНК	APRV

PACIFIC RAILWAY ENTERPRISES, INC. 3560 University Avenue, Suite F Riverside, Colifornia 92501







"C" STREET CROSSOVERS

C STREET INTERLOCKING PARKING GARAGE CONDUIT LAYOUT SH. 22 OF 23 N.T.S.

CONTRACT NO.

CIP 1210070

DRAWING NO. SHEET NO.

S-28

A:129

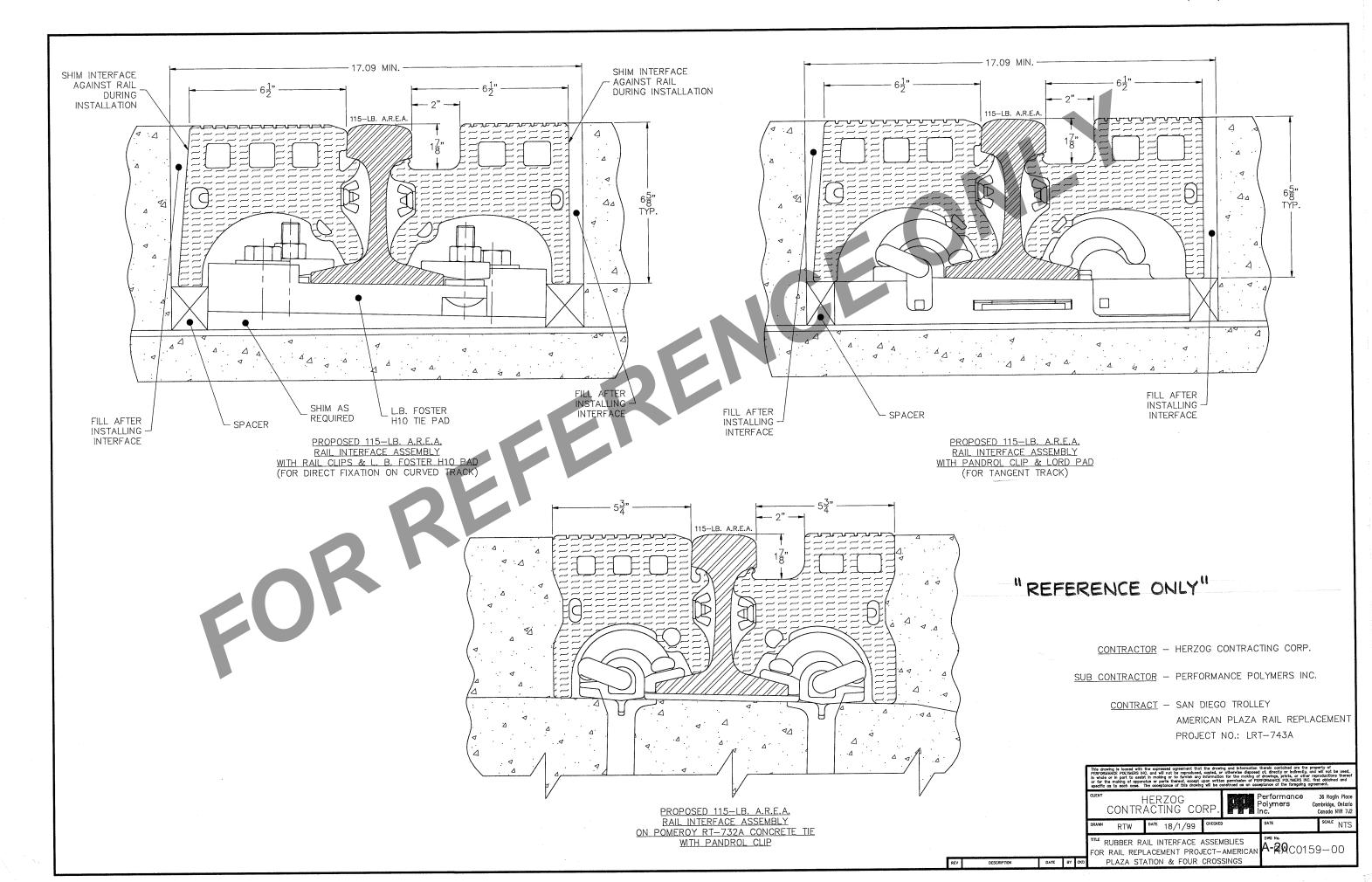


EXHIBIT B (Cost Breakdown)



Version: 1.1

JOC Name (Contractor): Herzog Contracting Corp

Contract Name: 2019 - RR Construction - Herzog - Option 1

Contract Number: PWG269.0-19
Job Order Number: MTSJOC269-11

Job Order Title: America Plaza Rail Replacement

Location: Blue Line ROW
Cost Proposal Date: May 18, 2021
Proposal Value: \$698,473.76

Category 1	Category 2	NPP Item	Division Totals
At-Grade Crossing		\$0.00	\$115,906.69
General		\$0.00	\$21,012.51
Signaling		\$0.00	\$3,376.69
Special Trackwork		\$0.00	\$52,283.90
Track		\$0.00	\$505,893.97
	Proposal To	tal:	\$698,473.76
The Perc	entage of Non Pre-Priced on this Propo	sal:	0.00%



Version: 1.1

JOC Name (Contractor): Herzog Contracting Corp

Contract Name: 2019 - RR Construction - Herzog - Option 1

Contract Number: PWG269.0-19

Job Order Number MTSJOC269-11

Job Order Title America Plaza Rail Replacement

Location:Blue Line ROWCost Proposal Date:May 18, 2021Proposal Value:\$698,473.76

Category 2	Record #	CSI Number	MOD	UOM	Description					Total
	At-Grade Cross									\$115,906.69
	1	012220000008		HR	Cement Mason					
		Added			Quantity x	Unit Price	х	Factor	=	LineTotal
		Ins	stallation	HR	36.00 x	\$65.76	Х	1.1296	=	\$2,674.17
									-	\$2,674.17
		User Note:	** (3) E	A at 12	hrs to help with cros	ssing pour du	ıring	AWW 3*	*	
		Item Note:	For task only.	ks not i	ncluded in the Cons	truction Task	(Ca	talog® an	d as di	rected by owner
	Ow	vner Comments:								
	Contra	ctor Comments:								
	2	012220000008	0001	HR	For Foreman, Add					
	2		0001	HR	For Foreman, Add Quantity x	Unit Price	х	Factor	=	LineTotal
	2	012220000008 Added	0001 stallation	HR HR				Factor 1.1296	= =	LineTotal \$44.60
	2	012220000008 Added			Quantity x					
	2	012220000008 Added			Quantity x					\$44.60
	2	012220000008 <i>Added</i> Ins	stallation	HR	Quantity x	\$3.29	x	1.1296	= -	\$44.60 \$44.60
		012220000008 <i>Added</i> Ins	stallation For task	HR	Quantity x	\$3.29	x	1.1296	= -	\$44.60 \$44.60



3	012223000129	DAY	185 CFM Diesel P	'owe	ered Portable	Air (Compresso	r	
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	DAY	2.00	Х	\$200.66	Х	1.1296	=	\$453.33
								_	\$453.33
	User Note:								
	Item Note:								
O	wner Comments:								
Contra	actor Comments:								
4	012223000197	DAY	5 Ton, 2 Drum Art	icul	ated Roller Wi	th F	ull-Time Op	perator	
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	DAY	2.00	Х	\$1,155.50	Х	1.1296	=	\$2,610.51
								_	\$2,610.51
	User Note:								
	Item Note:								
O	wner Comments:								
Contra	actor Comments:								
5	012223000220	EA	Mobilization of Ste	el F	Roadway Plate	es			
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	EA	22.00	Х	\$372.30	Х	1.1296	=	\$9,252.10
									\$9,252.10
	User Note: (18) EA	plates	at 1 x 8' x16' nee	de	d to cover Ke	ettne	er crossing	g	
	Item Note: Mobiliza	ation fc	r each site location	n.					
O	wner Comments:								
Contra	actor Comments:								
6	012223000221	EA	Place And Remov	e S	teel Roadway	Plat	tes		
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	EA	22.00	х	\$42.84	Х	1.1296	=	\$1,064.63
								_	\$1,064.63
	User Note:								
	Item Note:								
O	wner Comments:								



	7	012223000247	WK	1" x 8' x 16' Steel	Plat	te				
		Added		Quantity	х	Unit Price	х	Factor	=	LineTota
		Instal	lation WK	60.00	х	\$231.70	х	1.1296	=	\$15,703.7
									_	\$15,703.7
		User Note: (18	8) EA plates	at 1 x 8' x16' nee	ede	d to cover K	Cettne	er crossin	g for (2)	EA weeks
		Item Note:								
	0	wner Comments:								
	Contr	actor Comments:								
,	8	012223000272	DAY	2,400 LB Capacity	/, 72	2" Wide, Skid	-Stee	r Loader V	Vith Full-T	ime Operator
		Added		Quantity	х	Unit Price	х	Factor	=	LineTota
		Instal	lation DAY	2.00	х	\$1,019.15	Х	1.1296	=	\$2,302.4
									_	\$2,302.4
		User Note:								
		Item Note:								
,	0	wner Comments:								
	Contr	actor Comments:								
	9	012223000389	DAY	3,000 Ft-Lb Hydra	ulic	Hammer Atta	achm	ent For Hy	/draulic Ex	xcavators
		Added		Quantity	х	Unit Price	х	Factor	=	LineTota
		Instal	lation DAY	2.00	х	\$831.00	х	1.1296	=	\$1,877.4
									_	\$1,877.4
		User Note: **\t	oackhoe atta	achment**						
		Item Note:								
	0	wner Comments:								
	Contr	actor Comments:								
	10	012223000440	DAY	1-1/2 CY, 24" Bud Operator	ket,	16'-6" Deep,	90 F	IP, Loader	-Backhoe	With Full-Time
		Added		Quantity	х	Unit Price	х	Factor	=	LineTota
		Instal	lation DAY	2.00	Х	\$1,164.90	Х	1.1296	=	\$2,631.7
									_	\$2,631.7
		User Note:								
		Item Note:								
	0	wner Comments:								
		actor Comments:								



11 012223000447 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator **Unit Price** LineTotal Added Quantity x x Factor Installation DAY \$1,175.62 \$2,655.96 1.1296 \$2,655.96 **User Note:** Item Note: **Owner Comments: Contractor Comments:** 12 012223000650 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower Added Quantity x **Unit Price** Factor LineTotal Installation DAY 2.00 x \$151.58 \$342.45 x 1.1296 \$342.45 **User Note: Item Note: Owner Comments: Contractor Comments:** 13 012223001283 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver Added Quantity x **Unit Price** LineTotal Factor Installation DAY \$823.74 x 1.1296 \$1,860.99 \$1,860.99 **User Note:** Item Note: **Owner Comments: Contractor Comments:** 14 012223001300 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver Added Quantity x **Unit Price** x Factor LineTotal \$1,788.65 Installation DAY 2.00 x \$791.72 x 1.1296 \$1,788.65 **User Note: Item Note: Owner Comments: Contractor Comments:**



	15 012223001319 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver										
		Added		Quantity	x	Unit Price	х	Factor	=	LineTotal	
		Installation	DAY	6.00	Х	\$1,732.71	х	1.1296	=	\$11,743.62	
									•	\$11,743.62	
		User Note: Concret	e Trac	k Paving, Concrete	e (Sidewalk), A	C F	avement	, 3EA x	2 Day/Nights	
		Item Note:									
	0	wner Comments:									
	Contra	actor Comments:									
	16	024113130004	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving							
		Added		Quantity	x	Unit Price	х	Factor	=	LineTotal	
		Installation	SY	42.00	X	\$20.38	х	1.1296	=	\$966.89	
									-	\$966.89	
		User Note: Remove	exist	ing AC pavement (3	37	'8SF)					
,		Item Note:									
	0	wner Comments:									
	Contra	actor Comments:									
	17	024113130015	SY	>6" To 9" By Machin	ne	, Break-up An	d R	emove Roo	d Reinfo	rced Concrete	
		Added		Quantity	x	Unit Price	х	Factor	=	LineTotal	
		Installation	SY	61.00	Х	\$28.02	Х	1.1296	=	\$1,930.73	
Equipme	nt Exclu	ded							-	\$1,930.73	
		User Note: Remove	conc	rete side walk (547	SF	F)					
,		Item Note:									
	0	wner Comments:									



. stilling.											
	18	024119130060		LF	Saw Cut Bitumino	us I	Paving Up To	4" D	epth		
		Added	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ir	stallation	LF	182.00	х	\$1.79	Х	1.1296	=	\$368.0
										-	\$368.0
		User Note:	:								
,		Item Note:	:								
	O	wner Comments:									
	Contr	actor Comments:	:								
	19	024119130060	0031	LF	For Each Addition	al F	Pass (Depth To	o 3")	, Add		
		Added	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ir	stallation	LF	182.00	х	\$0.69	Х	1.1296	=	\$141.86
										-	\$141.86
		User Note:	:								
		Item Note:	:								
	0	wner Comments:	:								
	Contr	actor Comments:	:								
	20	024119130073		EA	Saw Cut Minimum	Se	et-up Charge,	One	Per Projec	t	
		Added	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ir	stallation	EA	1.00	х	\$777.66	Х	1.1296	=	\$878.44
										-	\$878.44
		User Note:	:								
		Item Note:	use this	task e	where the total saw exclusively. This ta this section.						
,	0	wner Comments:									
	Contr	actor Comments:	:								
	21	026113000005		CY	Disposal Fees Of	Nor	n-Petroleum C	onta	minated S	oil	
		Added	_		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ir	stallation	CY	115.00	х	\$32.93	Х	1.1296	=	\$4,277.74
										-	\$4,277.74
		User Note:	: Includes	: Con	crete Track Pavin	g, (Concrete (Si	dew	alk) & AC	Pavem	nent disposal
		User Note:	fee	: Con	crete Track Pavin	g, (Concrete (Si	dew	alk) & AC	Pavem	nent disposal
	0		fee :	: Con	crete Track Pavin	g, (Concrete (Si	dew	alk) & AC	Pavem	nent disposal



Contractor Price Proposal Details Report

22	031113000003	SF	Continuous Footin	ngs	Foundation W	ood	Formwork		
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	SF	857.50	х	\$6.11	х	1.1296	=	\$5,918.34
								_	\$5,918.34
	User Note: 547SF	(Sidev	valk) + 310.5 SF (cros	ssing)				
	Item Note:								
C	Owner Comments:								
Conti	ractor Comments:								
23	031113000003 0001	SF	For <1,000, Add						
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	SF	857.50	Х	\$1.13	Х	1.1296	=	\$1,094.55
								_	\$1,094.55
	User Note:								
,	Item Note:								
C	Owner Comments:								
Conti	ractor Comments:								
24	032111000051	LF	#5, Grade 60, Col	lumi	ns, Steel Reint	force	ement Bar		
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	LF	1,680.00	Х	\$1.42	Х	1.1296	=	\$2,694.77
								_	\$2,694.77
	User Note: **28 EA	A acros	ss the crossing pe	r pr	rovided drawi	ings	x length	of crossir	ng**
	Item Note:								
C	Owner Comments:								
Conti	ractor Comments:								
25	033516000004	SF	Broom, Concrete	Floo	or Finish				
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	SF	857.50	Х	\$0.97	Х	1.1296	=	\$939.57
								_	\$939.57
	User Note: crossing	g + sic	dewalk						
	Item Note:								
	Owner Comments:								
•	Jwiler Comments.								



	26	033516000006	SF	Steel Trowel, Con	cre	te Floor Finish				
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	n SF	857.50	х	\$1.28	Х	1.1296	=	\$1,239.85
									_	\$1,239.85
		User Note: Crossi	ng + side	ewalk						
		Item Note:								
	0	wner Comments:								
	Contra	actor Comments:								
	27	321216130023	TON	Hand Placed Hot	Mix	ed Asphalt 3,9	54 L	B/CY		
		Added		Quantity	х	Unit Price	Х	Factor	=	LineTotal
		Installation	n TON	29.00	х	\$261.34	Х	1.1296	=	\$8,561.08
									_	\$8,561.08
		User Note:								
		Item Note: For sn and sv	nall area	as not reachable b	y n	nachine. Inclu	ide	s placeme	ent, rollin	ıg, finishing
	0	wner Comments:								
	Contra	actor Comments:								
	28	321623000006	SF	8" Cast In Place C	Con	crete Sidewalk				
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	n SF	547.00	х	\$9.74	Х	1.1296	=	\$6,018.26
									_	\$6,018.26
		User Note:								
		Item Note:								
	0	wner Comments:								
		Wildi Golillionio.								
	Contra	actor Comments:								
	Contra 29		LF	Single 6" Wide Sc	olid	Line, Epoxy Re	flec	tive Paven	nent Strip	ing
		actor Comments:	LF			Line, Epoxy Re			nent Strip	ing LineTotal
		actor Comments: 321723130004			х		х			
Equipm	29	321723130004 Added Installation		Quantity	х	Unit Price	х	Factor	=	LineTotal
Equipm		321723130004 Added Installation		Quantity	х	Unit Price	х	Factor	=	LineTotal \$50.83
Equipm	29	321723130004 Added Installation		Quantity	х	Unit Price	х	Factor	=	LineTotal \$50.83
Equipm	29 nent Exclu	actor Comments: 321723130004 Added Installation ded User Note:		Quantity	х	Unit Price	х	Factor	=	LineTotal \$50.83



Version: 1.1

30	321726000002	SF	Surface Applied V	PC	Truncated Do	me	Detectable	Warning	g Surface
	Added		Quantity	х	Unit Price	Х	Factor	=	LineTotal
	Installation	SF	20.00	Х	\$54.87	Х	1.1296	=	\$1,239.62
								-	\$1,239.62
	User Note:								
	Item Note: Include raised:		ace preparation, ac or directional bars.			ers a	and seala	nt at pe	rimeter. Also
C	Owner Comments:								
Contr	ractor Comments:								
31	341113230070	SF	Remove And Disp	ose	e/Recycle Of E	xist	ng Trackw	ay Pave	ment
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	SF	622.00	х	\$2.95	Х	1.1296	=	\$2,072.70
								-	\$2,072.70
	User Note:								
	Item Note:								
C	Owner Comments:								
Contr	ractor Comments:								
32	341193000006	EA	Pandrol E-Clip, Ga	alv.					
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	EA	487.00	Х	\$28.23	Х	1.1296	=	\$15,529.75
								-	\$15,529.75
	User Note: (115) E	A for t	he crossing + (372	2) E	EA for the 180	6 F2	20R4 DF I	MTS wil	I procure
	Item Note:								
C	Owner Comments:								
Contr	ractor Comments:								
33	341193000023	SY	Cast In Place Con	cre	te Crossing Pa	aver	nent		
	Added		Quantity		Unit Price	х	Factor	=	LineTotal
	Installation	SY	34.50		\$127.72		1.1296	=	\$4,977.40
					*			-	\$4,977.40
	User Note: *23CY	@8"							ψ 1,011110
	OSCI NOLC.		s avnancion and c	ons	struction ioin	ts. f	ilter fabric	and 6 i	mil PVC
	Item Note: Note: In		s expansion and c		ou douon jonn	, .		ana o i	1111 1 00
C	Item Note: Note: In sheetin		s expansion and c						



Category 1 Category 2	Record #	CSI Number	MOD	UOM	Description						Tota
Category 1 :G	eneral										\$21,012.5
	34	012216000004		EA	Reimbursable Fee	s					
		Added			Quantity	х	Unit Price	х	Factor	=	LineTota
		I	nstallation	EA	2,000.00	х	\$1.00	х	1.0000	=	\$2,000.0
										_	\$2,000.0
		User Note	: *Permit	and fe	es						
		Item Note	of the F cost to Fee). If comme closure	Reimburthe actor there a there a that in the read of	Fees will be paid reable Fee is \$1.0 ual Reimbursable are multiple Reimle "note" block to icut, various permif each receipt sha	00. Fe ours der ts,	Insert the ap le (e.g. quant sable Fees, I ntify the Reim extended wa	pro ity ist e ibu rrai	priate qua of 125 = \$ each one rsable Fe nty, expec	ntity to 125.00 separate e (e.g. s lited shi	adjust the base Reimbursable ely and add a idewalk pping costs,
	Ov	wner Comments	s:								
	Contra	ctor Comments	s:								
	35	012220000073		HR	Flagperson For Tr	affic	Control				
		Added			Quantity	х	Unit Price	х	Factor	=	LineTota
		1	nstallation	HR	72.00	Х	\$68.23	Х	1.1296	=	\$5,549.2
										_	\$5,549.2
		User Note	*(3) we	ekends	shutdowns						
		Item Note):								
	Ov	wner Comments	s:								
	Contra	ctor Comments	s:								
	36	015219000003		MO	Portable Chemica	ΙТο	ilet				
		Added			Quantity	х	Unit Price	х	Factor	=	LineTota
		1	nstallation	MO	1.00	х	\$165.00	Х	1.1296	=	\$186.3
										_	\$186.3
		User Note) :								
		Item Note):								
	Ov	wner Comments	3:								
	0	ctor Comments									



:	37 (015526000028	DAY	28" Cone With Re	flec	tive Collar				
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	DAY	150.00	х	\$0.47	х	1.1296	=	\$79.64
										\$79.64
		User Note:								
		Item Note:								
	Own	er Comments:								
	Contract	or Comments:								
	38 (015526000040	DAY	Type I Barricade,	Up ⁻	To 3' Wide Wi	h R	eflective Ra	ail Each Side	
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	DAY	15.00	х	\$1.02	х	1.1296	=	\$17.28
										\$17.28
		User Note:								
		Item Note:								
	Own	er Comments:								
	Contract	or Comments:								
	39 (015526000043	DAY	Type II Barricade,	Up	To 3' Wide W	ith T	wo Reflect	ive Rails Each	n Side
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	DAY	30.00	х	\$2.26	Х	1.1296	=	\$76.59
										\$76.59
		User Note:								
		Item Note:								
-	Own	er Comments:								
	Contract	or Comments:								
	40 (015526000058	DAY	Type B Flasher (H	ligh	Intensity)				
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	DAY	30.00	х	\$2.86	х	1.1296	=	\$96.92
										\$96.92
		User Note:								
		Item Note:								
	Own	er Comments:								
	Contract	or Comments:								



	41	015526000087	DAY	Aluminum Sign Ar	nd P	ost				
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	DAY	30.00	х	\$2.49	Х	1.1296	=	\$84.38
									_	\$84.38
		User Note:								
		Item Note:								
	C	Owner Comments:								
	Contr	ractor Comments:								
	42	015526000093	DAY	Trailer Mounted F	lash	ning Arrow Boa	ard			
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	DAY	6.00	Х	\$56.00	Х	1.1296	=	\$379.55
									_	\$379.55
		User Note:								
		Item Note:								
	C	Owner Comments:								
	Contr	ractor Comments:								
	43	015526000096	DAY	Trailer Mounted P	orta	ble Variable N	/less	age Sign (PVMS)	
		Added		Quantity	х	Unit Price	Х	Factor	=	LineTotal
		Installation	DAY	6.00	х	\$299.99	Х	1.1296	=	\$2,033.21
										\$2,033.21
		User Note:								
,		Item Note:								
	C	Owner Comments:								
	Contr	ractor Comments:								
	44	015526000103	EA	Place And Remov	e U	p To 250 Con	es L	sing Truck		
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	EA	50.00	Х	\$3.66	Х	1.1296	=	\$206.72
									_	\$206.72
		User Note:								
		Item Note:								
	C	Owner Comments:								



-46664-										
	45	015526000107	EA	Place And Remov	ve U	lp To 250 Barr	ricad	es Using T	ruck	
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	EA	15.00	х	\$7.33	Х	1.1296	=	\$124.20
									_	\$124.20
		User Note:								
		Item Note:								
	C	Owner Comments:								
	Contr	actor Comments:								
	46	015526000110	EA	Place And Remov	e P	ortable Sign A	And S	Stand Usin	g Truck	
		Added		Quantity	х	Unit Price	Х	Factor	=	LineTotal
		Installation	EA	15.00	х	\$4.39	Х	1.1296	=	\$74.38
									_	\$74.38
		User Note:								
		Item Note:								
	C	Owner Comments:								
	Contr	actor Comments:								
	47	015526000112	EA	Place And Remov	⁄e T	railer Mounted	d Bo	ards And S	ignals U	sing Truck
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	EA	4.00	Х	\$54.94	Х	1.1296	=	\$248.24
									_	\$248.24
		User Note:								
		Item Note:								
	C	Owner Comments:								
	Contr	actor Comments:								
	48	017113000002	EA	First 25 Miles, Equ Using A Rollback			Pick	cup, Mobiliz	zation An	d Demobilization
		Added		Quantity	х	Unit Price	Х	Factor	=	LineTotal
		Installation	EA	3.00	Х	\$236.94	Х	1.1296	=	\$802.94
									_	\$802.94
		User Note: Skid ste	eer x 3	for all (3) AWW's						
		as trend	disma chers, platfor	antling, loading for skid-steer loaders m lifts, telescopin	ret (bo	urn and transobcats), indu	spo Istria	rting away al wareho	/. For eduse fork	quipment such lifts, sweepers,
	C	Owner Comments:								
	Contr	actor Comments:								



49	017113000004		EA	First 25 Miles, Equ Using A Tractor Tr					zation A	nd Demobilization
	Added	-		Quantity	х	Unit Price	Х	Factor	=	LineTotal
	In	stallation	EA	9.00	Х	\$734.34	Х	1.1296	=	\$7,465.59
									-	\$7,465.59
	User Note:	Loader,	Backh	oe, Speed Swing	хЗ	for all (3) AV	VVV'	S		
	Item Note:	rigging, as bulld backhoo finishers	disma ozers, es, hea s, straig ction fo	ng, tie-down of eq ntling, loading for motor scrapers, h avy duty construct ght mast construct orklifts, telescoping	ret nyd ion tior	urn and trans raulic excava loaders, trac n forklifts, tele	spor ators ctors	ting away s, gradalls s, pavers, oping boo	/. For e s, road rollers m roug	quipment such graders, loader- , bridge ph terrain
С	wner Comments:									
Contr	actor Comments:									
50	017123160019		ACR	Survey Clear Area	a Fo	r Underground	d Uti	lities		
	Added	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
	In	stallation	ACR	0.20	х	\$5,247.63	Х	1.1296	=	\$1,185.54
										\$1,185.54
	User Note:	*CPL								
	Item Note:									
С	wner Comments:									
Contr	actor Comments:									
51	029050000189		DAY	Small Tools - Tool	Во	х				
	Added	-		Quantity	х	Unit Price	Х	Factor	=	LineTotal
	In	stallation	DAY	11.00	х	\$32.33	Х	1.1296	=	\$401.72
									-	\$401.72
	User Note:	(3) AWV	V's + (2) Weeks						
	User Note:		V's + (2) Weeks						
C			V's + (2) Weeks						
	Item Note:		V's + (2) Weeks						
	Item Note:		V's + (:	2) Weeks						



Category 1 Category 2	Record #	CSI Number	MOD	UOM	Description					Total
Category 1 :Si		Ooi itaiiiboi	III O D		Becompaign					\$3,376.69
	52	263100000141		EA	Sensor Box (Fronius	4,240,104)				
		Added			Quantity x	Unit Price	х	Factor	=	LineTotal
			Installation	EA	4.00 x	\$747.32	Х	1.1296	=	\$3,376.69
									_	\$3,376.69
		User Not	e: *In Lieu	of (4)	Wheel Sensors					
	,	Item Not	e:							
	Ov	vner Comment	s:							
	Contra	ctor Comment	s:							
					Total I	For Categor	y Si	gnaling:		\$3,376.69



Category 1 Category 2	Record #	CSI Number	MOD	UOM	Description					Tota
Category 1 :S			MOD	00111	Description					\$52,283.90
	53	341113230023		EA	Glued Insulated Joint					
		Added			Quantity x	Unit Price	х	Factor	=	LineTota
			Installation	EA	4.00 x	\$1,705.94	Х	1.1296	=	\$7,708.1
										\$7,708.1
		User Note	e:							
		Item Note	e: Note: Ir	ncludes	test.					
	Ow	ner Comment	s:							
	Contra	ctor Comment	s:							
	54	341113230047		EA	115 LB Rail AREMA	No. 6 Turnout				
		Added			Quantity x	Unit Price	х	Factor	=	LineTota
			Installation	EA	0.65 x	\$60,710.09	Х	1.1296	=	\$44,575.7
										\$44,575.78
		User Note	e: *in Lieu	of (2)	sets of stock rail and	switch point	S			
		Item Note	plates,	frogs, r	joint bars, switch po ails, heal blocks, gua ed switch rods, bolts,	ard rails, hard	dwo	od switch	ties,	insulated gauge
	Ow	ner Comment	s:							
	Contra	ctor Comment	s:							
					Total For Categ	ory Special	Tra	ckwork:		\$52,283.90



Category 1 Category 2	Record #	CSI Number	MOD	UOM	Description						Total
Category 1 :1					2 ccc. ipiioii						\$505,893.97
	55	012220000014		HR	Equipment Operat	or,	Medium (Bullo	doze	r)		
		Added			Quantity	х	Unit Price	х	Factor	=	LineTota
		lı	nstallation	HR	10.00	х	\$90.08	Х	1.1296	=	\$1,017.54
										_	\$1,017.54
		User Note	: **For Ra		d** to be done at ocurved	fiel	d, however s	save	d time an	d money	by not
			only.	ks not i	ncluded in the Co	nst	ruction Task	Ca	talog® an	d as dire	cted by owner
	Ov	vner Comments	:								
	Contra	ctor Comments	:								
	56	012220000014		HR	Equipment Operat	or,	Medium (Bullo	doze	r)		
		Added	•		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ir	nstallation	HR	32.00	х	\$90.08	Х	1.1296	=	\$3,256.14
										_	\$3,256.14
		User Note	: **(4) EA	to hel	p with rail moves*	*					
		Item Note	: For task only.	ks not i	ncluded in the Co	nst	ruction Task	Ca	talog® an	d as dire	cted by owner
	Ov	vner Comments	:								
	Contra	ctor Comments	:								
	Contra 57	012220000014	0001	HR	For Foreman, Add						
				HR	For Foreman, Add		Unit Price	x	Factor	=	LineTotal
		012220000014 Added		HR HR		х	Unit Price \$4.50		Factor 1.1296	= =	
		012220000014 Added	0001		Quantity	х					\$0.00
		012220000014 Added	0001 nstallation		Quantity	х					LineTotal \$0.00
		012220000014 **Added** In **User Note**	0001 nstallation	HR	Quantity	x	\$4.50	Х	1.1296	= _	\$0.00 \$0.00
	57	012220000014 **Added** In **User Note**	0001 nstallation : For task only.	HR	Quantity 0.00	x	\$4.50	Х	1.1296	= _	\$0.00 \$0.00



58	012220000017		HR	Laborer							
	Added	•			Quantity	х	Unit Price	х	Factor	=	LineTotal
	ı	nstallation	HR		30.00	х	\$68.23	х	1.1296	=	\$2,312.18
										_	\$2,312.18
	User Note	: **(3) EA	labor	er at 10h	r EA to h	elp	with rail ben	d**			
,	Item Note	: For task	s not i	included	in the Co	nst	ruction Task	Ca	talog® an	d as dire	ected by owner
 	wner Comments	only.									
 	actor Comments										
 59	012220000017	-	HR	Laborer							
00	Added	-			Quantity		Unit Price		Factor		LineTotal
		nstallation	HR		24.00		\$68.23		1.1296		
	'	nstallation	пк		24.00	Х	Φ00.23	Х	1.1290	= _	\$1,849.74
	User Note	(3) EA s	at 8hr f	or flach	waldina si	unr	ort				\$1,849.74
								0-	4-1	-ll'	
	Item Note	only.	(s not i	inciuaea	in the Co	nst	ruction Task	Ca	talog® an	a as aire	ected by owner
 O	wner Comments	s:									
Contr	actor Comments	s:									
60	012220000074		DAY	Pilot Ve	hicle With	Driv	ver .				
	Added	-			Quantity	х	Unit Price	х	Factor	=	LineTotal
	ı	nstallation	DAY		2.00	Х	\$823.16	х	1.1296	=	\$1,859.68
										_	\$1,859.68
	User Note	for rail:	move	(x2)							
 		: Includes	s CB a	nd radio	"Follow I	Me'	' sign, "Wait	For	Pilot Car	" signs o	n barricades
0		: Includes where re	s CB a	nd radio	"Follow I	Me'	' sign, "Wait	For	Pilot Car	" signs o	n barricades
	Item Note	where re	s CB a	nd radio	"Follow I	Me'	' sign, "Wait	For	Pilot Car	" signs o	n barricades
	Item Note	where re	s CB a	nd radio d.			' sign, "Wait				n barricades
Contr	Item Note Owner Comments actor Comments	where re	s CB a equire	nd radio d.		owe		Air (
Contr	Dwner Comments actor Comments 012223000130 Added	where re	s CB a equire	nd radio d.	M Diesel P	YOW6	ered Portable	Air (Compresso	r	LineTotal
Contr	Dwner Comments actor Comments 012223000130 Added	e: Includes where re	s CB a equire	nd radio d.	M Diesel P	YOW6	ered Portable Unit Price	Air (Compresso	r =	LineTotal
Contr	Dwner Comments actor Comments 012223000130 Added	e: Includes where res:	WK	nd radio d. 185 CFI	M Diesel P Quantity 2.00	YOW6	ered Portable Unit Price	Air (Compresso	r =	LineTotal \$1,020.01
Contr	Item Note Owner Comments 012223000130 Added	e: Includes where res: :: :: :: :: :: :: :: :: :: :: :: ::	WK	nd radio d. 185 CFI	M Diesel P Quantity 2.00	YOW6	ered Portable Unit Price	Air (Compresso	r =	LineTotal \$1,020.01
Contr 61	Dwner Comments actor Comments 012223000130 Added	e: Includes where rest.	WK	nd radio d. 185 CFI	M Diesel P Quantity 2.00	YOW6	ered Portable Unit Price	Air (Compresso	r =	LineTotal \$1,020.01



	62	012223000650	DAY	4 x 1,000 Watt Floo Mounted Light Tow		ights, 30' Tele	scop	oing Tower	, Diesel P	Power Trailer
		Added		Quantity	Х	Unit Price	х	Factor	=	LineTotal
		Installation	DAY	6.00	Х	\$151.58	Х	1.1296	=	\$1,027.35
									_	\$1,027.35
		User Note: 2 days p	per AV	VW for (3) AWW's						
		Item Note:								
	C	Owner Comments:								
	Contr	ractor Comments:								
	63	012223000843	WK	2,000 PSI Pressure	e V	/asher With F	ull-T	ime Opera	tor	
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	WK	2.00	Х	\$2,945.80	Х	1.1296	=	\$6,655.15
									_	\$6,655.15
		User Note: **to aid	in clea	ning trough**						
		Item Note:								
-	C	Owner Comments:								
	Contr	ractor Comments:								
	64	012223000882	DAY	6 Ton Lift, Truck M	oui	nted Hydraulio	Cra	ane With F	ull-Time C	Operator
		Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	DAY	6.00	Х	\$1,073.03	Х	1.1296	=	\$7,272.57
									_	\$7,272.57
		User Note: **In Lieu	u of Me	echanics truck duri	ing	all 3 AWW's	S**			
		Item Note:								
	C	Owner Comments:								
	Contr	ractor Comments:								
	65	012223001284	WK	1-1/2 Ton Capacity Truck Driver	/, 8	' To 10' Bed, [∠]	1 x 2	! Flat Bed	ruck Witl	h Full-Time
		Added		Quantity	Х	Unit Price	х	Factor	=	LineTotal
		Installation	WK	2.00	Х	\$3,522.97	Х	1.1296	=	\$7,959.09
									_	\$7,959.09
		User Note:								
		Item Note:								
	C	Owner Comments:								
		ractor Comments:								



66	012223001304	WK	3/4 Ton, 4 x 4 Cre	w C	Cab Pickup Tru	ick \	With Full-Ti	me Truck	Driver
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	n WK	2.00	х	\$3,705.99	х	1.1296	=	\$8,372.57
								_	\$8,372.57
	User Note: (3) AV	/W's +	(2) Weeks						
	Item Note:								
0	wner Comments:								
Contr	actor Comments:								
67	012223001323	DAY	5,000 Gallon Vac	uum	Truck With F	ıll-T	ime Truck	Driver	
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	n DAY	4.00	х	\$1,619.72	Х	1.1296	=	\$7,318.54
								_	\$7,318.54
	User Note: **to he	elp clear	n trough**						
	Item Note:								
0	wner Comments:								
Contr	actor Comments:								
68	012223001351	DAY	Highrail Truck Wit	h C	rane And Full-	time	Driver		
				_	Heit Deiss	v	Factor	=	LineTotal
	Added		Quantity	Х	Unit Price	^			
	Added Installation	n DAY	Quantity 8.00		\$705.16		1.1296	=	
		n DAY	_				1.1296	= _	\$6,372.39
			8.00	Х	\$705.16	x		_	\$6,372.39 \$6,372.39
	Installation		8.00	Х	\$705.16	x		_	\$6,372.39 \$6,372.39
0	Installation User Note: In-lieu		8.00	Х	\$705.16	x		_	\$6,372.39 \$6,372.39
	Installation User Note: In-lieu Item Note:		8.00	Х	\$705.16	x		_	\$6,372.39 \$6,372.39
	User Note: In-lieu Item Note: Owner Comments:		8.00	x	\$705.16	x		_	\$6,372.39 \$6,372.39
Contr	User Note: In-lieu Item Note: Owner Comments:	of Prer	8.00 tice Loader, inclu	x des	\$705.16 s use for Rail	Mo		_	\$6,372.39 \$6,372.39 2) rail moves
Contr	User Note: In-lieu Item Note: Owner Comments: actor Comments: 012223001363	of Pren	8.00 stice Loader, included the state of the	x des	\$705.16 s use for Rail	x Mo	ve (3) AW	/W's + (2	\$6,372.39 \$6,372.39 2) rail moves LineTotal
Contr	User Note: In-lieu Item Note: Dwner Comments: actor Comments: 012223001363 Added	of Pren	8.00 stice Loader, included in the state of	x des	\$705.16 s use for Rail Unit Price	x Mo	ve (3) AW	/W's + (2	\$6,372.39 \$6,372.39 2) rail moves LineTotal \$3,798.05
Contr	User Note: In-lieu Item Note: Dwner Comments: actor Comments: 012223001363 Added	DAY	Speedswing Load Quantity 10.00	er x	\$705.16 s use for Rail Unit Price \$336.23	x Mo	Factor 1.1296	/W's + (2	\$6,372.39 \$6,372.39 2) rail moves LineTotal \$3,798.05
Contr	Installation User Note: In-lieu Item Note: Dwner Comments: actor Comments: 012223001363 Added Installation	DAY	Speedswing Load Quantity 10.00	er x	\$705.16 s use for Rail Unit Price \$336.23	x Mo	Factor 1.1296	/W's + (2	\$6,372.39 \$6,372.39 2) rail moves LineTotal
Contr 69	Installation User Note: In-lieu Item Note: Dwner Comments: 012223001363 Added Installation User Note: *2 EA	DAY	Speedswing Load Quantity 10.00	er x	\$705.16 s use for Rail Unit Price \$336.23	x Mo	Factor 1.1296	/W's + (2	\$6,372.39 \$6,372.39 2) rail moves LineTotal \$3,798.05



	70	012223001432		DAY	Railroad Flat Car						
		Added	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ins	tallation	DAY	12.00	Х	\$129.32	Х	1.1296	=	\$1,752.9
											\$1,752.9
		User Note:	*in lieu d	of rail o	carts x12						
		Item Note:									
	0	wner Comments:									
	Contr	actor Comments:									
	71	018987710001		LF	CALTRAN 710360 CULVERT (LF)) CL	EANING, INS	PEC	CTING, AN	D PREPA	RING
		Added	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ins	tallation	LF	1,574.00	Х	\$39.96	Х	1.1296	=	\$71,048.50
											\$71,048.50
		User Note:	*help cle	ean an	d prepping rail tro	ugh	า**				
		Item Note:									
	0	wner Comments:									
	Contr	actor Comments:									
	72	018987710001	0177	LF	For >1,000 To 2,0	00,	Deduct				
		Added	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ins	tallation	LF	1,547.00	Х	-\$5.50	Х	1.1296	=	-\$9,611.20
											-\$9,611.20
		User Note:									
		Item Note:									
	0	wner Comments:									
	Contr	actor Comments:								D. A. G. (
	Contr.	018987710002		CY	CALTRAN 710368	3 Cl	JLVERT SLUF	RRY	-CEMENT	BACKFILI	
			-	CY			JLVERT SLUF			= BACKFILI	LineTota
		018987710002 Added	- tallation	CY		x		х			
Equipm		018987710002 Added Ins	- tallation		Quantity	x	Unit Price	х	Factor	=	\$937.00
Equipm	73	018987710002 **Added** Ins		CY	Quantity	x x	Unit Price \$165.90	×	Factor 1.1296	=	\$937.00
Equipm	73	018987710002 **Added** Ins		CY	Quantity 5.00	x x	Unit Price \$165.90	×	Factor 1.1296	=	\$937.00
Equipm	73 nent Exclu	018987710002 **Added** Ins ided User Note:		CY	Quantity 5.00	x x	Unit Price \$165.90	×	Factor 1.1296	=	\$937.00 \$937.00



Contractor Price Proposal Details Report

-18888										
	74	018988800007	LF	CALTRAN 800103 CL-6)	ТЕ	EMPORARY F	ENC	CE (TEMPO	DRARY F	ENCE (TYPE
		Added		Quantity	х	Unit Price	х	Factor	=	LineTota
		Installation	LF	500.00	Х	\$3.14	Х	1.1296	=	\$1,773.47
									_	\$1,773.47
		User Note: *Fence	to pre	vent public access	to	trackway du	ring	construc	tion	
		Item Note:								
	С	wner Comments:								
	Contr	ractor Comments:								
,	75	029050000198	DAY	Vehicle, 16' Or 24'	Во	x Truck (Inclus	sive	Of Mileage)	
		Added		Quantity	х	Unit Price	х	Factor	=	LineTota
		Installation	DAY	4.00	Х	\$146.37	Х	1.1296	=	\$661.36
										\$661.36
		User Note: *In Lieu	of we	lding van						
		Item Note:								
	C	Owner Comments:								
	Contr	actor Comments:								
	76	079123000012	LF	3" Polyethylene O	r Po	olyurethane Ba	cke	r Rod		
		Added		Quantity	х	Unit Price	Х	Factor	=	LineTotal
		Installation	LF	1,574.00	Х	\$3.78	Х	1.1296	=	\$6,720.80
										\$6,720.80
		User Note:								
		Item Note:								
	С	Owner Comments:								
	Contr	actor Comments:								
	77	093900000005	LF	10" Wide, 12 mil P KERDI FLEX)	oly	ethylene Wate	rpro	of Strip Me	embrane (Schluter®
		Added		Quantity	х	Unit Price	Х	Factor	=	LineTotal
		Installation	LF	1,574.00	Х	\$6.98	Х	1.1296	=	\$12,410.37
										\$12,410.37
		User Note: *Waterp	roofin	g						
		Item Note:								
	C	Owner Comments:								
		actor Comments:								



78	313236000072	EA	Mobilization (In State))				
	Added		Quantity x	Unit Price	х	Factor	=	LineTotal
	Installation	EA	1.00 x	\$7,800.00	Х	1.1296	=	\$8,810.88
							_	\$8,810.88
	User Note: **Flash-	·Butt V	Velding mobilization of	cost**				
	Item Note:							
C	Owner Comments:							
Conti	ractor Comments:							
79	341113230003	EA	Field Welding Kit					
	Added		Quantity x	Unit Price	х	Factor	=	LineTotal
	Installation	EA	28.00 x	\$762.12	х	1.1296	=	\$24,104.94
							_	\$24,104.94
	User Note: (16) Fla	sh Bu	tt Welds + (12) Field	Welds				
	Item Note:							
 C	Owner Comments:							
 Conti	ractor Comments:							
80	341113230004	EA	Field Weld Testing					
	Added		Quantity x	Unit Price	х	Factor	=	LineTotal
	Installation	EA	28.00 x	\$68.32	х	1.1296	=	\$2,160.88
							_	\$2,160.88
	User Note:							
	Item Note:							
C	Owner Comments:							
Conti	ractor Comments:							
81	341113230031	LF	Install Owner Furnish	ed 115 LB Ra	il			
	Added		Quantity x	Unit Price	х	Factor	=	LineTotal
	Installation	LF	1,858.00 x	\$13.83	х	1.1296	=	\$29,026.36
							_	\$29,026.36
	User Note:							
	Item Note: Includes	s reus	e of existing plates. E	xcludes ball	ast	and ties.		
C	Owner Comments:		-					
0 1	ractor Comments:							



	82	341113230060	EA	Direct Fixation Fa	sten	ner Assembly F	or .	All Rail Size	es	
		Added		Quantity	х	Unit Price	х	Factor	=	LineTota
		Installation	EA.	690.00	Х	\$91.14	Х	1.1296	=	\$71,036.70
	M	laterials Excluded							_	\$71,036.70
		User Note: **no in:	serts to	be replaced, ass	ume	ed all are in (oog	d conditio	n**	
		Item Note: Note: In		s fastener with page	d, c	oncrete inse	rts,	bolts, spri	ing wash	ners and
		Pandro Dwner Comments:	ii clips.							
		ractor Comments:								
	83	341113230060	EA	Direct Fixation Fa	ster	ner Assembly F	or.	All Rail Size	es	
		Added		Quantity		Unit Price		Factor	=	LineTota
		Installation	ı EA	220.00		\$158.76		1.1296	=	\$39,453.77
abor Evaludad			LA	220.00	^	ψ130.70	^	1.1230		\$39,453.77
_abor Excluded		Equipment Excluded User Note: (220) E	-A F20!	R4 + (100) FA Co	ncr	ete Inserts **	Ma	terial Only	/**	ψυθ,4υυ.ΓΓ
										- and
		Item Note: Note: In Pandro		s iasterier with par	J, C	oncrete inse	ıs,	boils, spri	ing wasi	iers and
	C	Owner Comments:								
	Contr	ractor Comments:								
	84	341113230065	TF	Remove And Disp	ose	Of Existing T	rack	(
		Added		Quantity	х	Unit Price	х	Factor	=	LineTota
		Installation	TF	150.00	Х	\$16.73	Х	1.1296	=	\$2,834.73
									_	\$2,834.73
		User Note:								
		Item Note: Note: I	ncludes	s ties, rails, plates	and	d spikes/clips	3.			
	C	Owner Comments:								
	Contr	ractor Comments:								
	85	341113230067	TF	Remove And Disp	ose	Recycle Of E	xisti	ing Direct F	ixation F	astener
		Added		Quantity	х	Unit Price	х	Factor	=	LineTota
		Installation	TF	787.00	Х	\$20.66	Х	1.1296	=	\$18,366.64
									_	\$18,366.64
		User Note: include	s rigid	& resilient fastene	rs					
		Item Note:								
		Owner Comments:								

86	341193000029	TF	EPFLEX® Railsea	al In	terface For Re	esisti	ve Materia	I	
	Added		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	n TF	929.00	Х	\$156.09	Х	1.1296	=	\$163,800.60
	Demo	o TF	929.00	х	\$0.49	Х	1.1296	=	\$514.21
								-	\$164,314.81
	User Note:								
	Item Note:								
(Owner Comments:								
Cont	ractor Comments:								
				То	tal For Cate	gor	y Track:		\$505,893.97
							Total:		\$698,473.76
					Pro	pos	al Total:		\$698,473.76
	Th	ne Perc	entage of Non Pr	e-P	riced on thi	is P	roposal:		0.00%
Contractor Project Ma Herzog Contracting C								Da	ate

EXHIBIT C (Subcontractor Listing)

San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



Date: 5/21/2021

Job Order Contracting

Subcontractor Report

Contract #: PWG269.0-19 **Job Order #:** MTSJOC269-11

Job Order Title: America Plaza Rail Replacement

Location: Blue Line ROW

Contractor: Herzog Contracting Corp

Subcontractors: Acme Safety & Supply Corp.

Angus Asphalt

Penhall

Subcontractor Name	License Number	Describe Nature of Work (Trade)	Certifications	Subcontractor Total	%
Acme Safety & Supply Corp. 1616 West Ave. , National City, CA 91950		Traffic Control		\$3,000.00	0.43%
Angus Asphalt PO Box 711539 , San Diego, CA 92072		Concrete and Asphalt Placement		\$50,000.00	7.16%
Penhall 1801 PENHALL WAY ANAHEIM 92801 CA United States of America, Anaheim, CA 92801	CSLB:568673	Saw cut & demo		\$20,000.00	2.86%



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101-7490 (619) 231-1466 • FAX (619) 234-3407

Agenda Item No. 10

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

Draft for Executive Committee Review Date: 06/10/2021

SUBJECT:

ON-CALL PLUMBING REPAIR 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. PWG331.0-21 (in substantially the same format as Attachment A), with Drain Medic, Inc., (Drain Medic), a Woman Owned Business Enterprise (WBE) and Small Business (SB), for on-call plumbing repair services for a period of one (1) base year and an additional two (2) option years for a total contract value of \$341,849.61.

Budget Impact

The total budget for this project shall not exceed \$341,849.61. The project is funded through the respective fiscal years' maintenance operating budget accounts as follows:

Program	Budget Account	Amount
Land Management (LM)	791010-571250	\$48,658.79
San Diego Trolley (SDTI) Facilities Department	380016-536300	\$179,270.85
	845012-571140	\$45,000.00
Bus Rapid Transit (BRT)	846012-571140	\$23,919.97
	848012-571140	\$45,000.00
Total Amount		\$341,849.61

DISCUSSION:

As part of its normal operations, MTS requires a contractor to provide on-call plumbing repair services at various MTS stations and properties. These services include minor to complex plumbing repairs and/or services on an as-needed basis. These services are









necessary to ensure that plumbing repairs at MTS facilities and properties are responded to and repaired in a timely professional manner, so as to mitigate damage to MTS infrastructure and lessen the impact of plumbing issues on both MTS employees and tenants. The existing contract for these services is due to expire on June 30, 2021.

On March 18, 2021, MTS issued an Invitation for Bids (IFB) for On-Call Plumbing Repair Services.

Five bids were submitted on April 16, 2021 from the following firms:

Firm	Certifications	Bid Amount
Drain Medic, Inc.	WBE, SB	\$341,849.61
Pipe Trades	SB	\$351,203.73
BPI Plumbing	Disadvantaged Business Enterprise (DBE), Disabled Veteran Business Enterprise (DVBE), SB	\$392,802.45
HPS Mechanical, Inc.		\$397,750.45
Countywide Mechanical		
Systems, Inc.		\$520,814.78

By a comparison to MTS's Independent Cost Estimate (ICE) at \$348,131.16, MTS staff determined Drain Medic's bid to be fair and reasonable.

Drain Medic is a registered WBE and SB firm.

Therefore, staff recommends that the MTS Board authorize the CEO to execute MTS Doc. No. PWG331.0-21 (in substantially the same format as Attachment A), with Drain Medic for on-call plumbing repair services for a period of one (1) base year and an additional two (2) option years for a total contract value of \$341,849.61.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, Julia.Tuer@sdmts.com

Attachments: A. Draft Agreement MTS Doc. No. PWG331.0-21

B. Bid Summary

STANDARD AGREEMENT FOR

MTS DOC. NO. PWG331.0-21

THIS AGREEMENT is entered into this California by and between San Diego Metropolitan and the following, hereinafter referred to as "Contraction of the contraction of the contrac	Fransit System	, 2021 in the State of ("MTS"), a California public agency,							
Name: Drain Medic, Inc.	_ Address:	P.O. Box 7886							
Form of Business: S. Corp. (Corporation, Partnership, Sole Proprietor, etc.)	Email:	San Diego, CA 92167 General@DrainMedic.com							
Telephone: 619.298.3440	-								
Authorized person to sign contracts Linda		CEO/RMO							
Nar	ne	Title							
The Contractor agrees to provide services as specified in the conformed Scope of Work/Minimum Technical Specification (Exhibit A), Contractor's Bid/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 up to 1 base years and 2 option years, exercisable at MTS's sole discretion, for a total of 3 years. Base period shall be effective July 1, 2021 through June 30, 2022 and option years shall be effective July 1, 2022 through June 30, 2024, if exercised by MTS.									
Payment terms shall be net 30 days from invoice da \$111,189.72 for the base years and \$230,659.89 for \$341,849.61 without the express written consent of N	the option yea								
SAN DIEGO METROPOLITAN TRANSIT SYSTEM		DRAIN MEDIC, INC.							
By:									
Sharon Cooney, Chief Executive Officer	Ву								
Approved as to form:									
By:	Title:								
Karen Landers, General Counsel									

BID EVALUATION - ON-CALL PLUMBING REPAIR SERVICES																							
ВРІ						COUNTYWIDE MECHANICAL				DRAIN MEDIC				HPS MECHANICAL				PIPE TRADES					
	Table I	,	Year 1	Optio	onal Year 1	Optional Year 2	Year 1	Op	ptional Year 1	Optional Year 2	١	rear 1	Optional Yea	r 1 C	Optional Year 2	Year 1	Option	nal Year 1	Optional Year 2	Year 1	Opti	ional Year 1	ptional Year 2
Item	Description	Uı	nit Price	Un	nit Price	Unit Price	Unit Price		Unit Price	Unit Price	Ur	it Price	Unit Price		Unit Price	Unit Price	Uni	it Price	Unit Price	Unit Price	U	Init Price	Unit Price
1	Journeyman Hourly Labor Rate/Non-Emergency Response Time/ Regular Service Hours	\$	150.00	\$	150.00	\$ 150.00	\$ 195.00	\$	195.00	\$ 195.00	\$	125.11	\$ 128	.11 \$	\$ 131.11	\$ 145.00	\$	150.00	\$ 160.00	\$ 125.41	\$	125.41 \$	125.41
2	Apprentice Hourly Labor Rate/Non-Emergency Response Time/ Regular Service Hours	\$	115.00	\$	115.00	\$ 115.00	\$ 195.00	\$	195.00	\$ 195.00	\$	79.49	\$ 82	.49 \$	\$ 85.49	\$ 94.00	\$	101.00	\$ 115.00	\$ 100.17	\$	100.17 \$	100.17
3	Journeyman Hourly Labor Rate/Emergency Response Time/Non-Regular Service Hours	\$	175.00	\$	175.00	\$ 175.00	\$ 292.00	\$	292.00	\$ 292.00	\$	159.11	\$ 162	.11 \$	\$ 165.11	\$ 224.00	\$	235.00	\$ 255.00	\$ 187.61	\$	187.61 \$	187.61
4	Apprentice Hourly Labor Rate/Emergency Response Time/Non-Regular Service Hours	\$	130.00	\$	130.00	\$ 130.00	\$ 292.00	\$	292.00	\$ 292.00	\$	113.49	\$ 116	.49 \$	\$ 119.49	\$ 165.00	\$	172.00	\$ 182.00	\$ 149.75	5 \$	149.75 \$	149.75
5	Materials Allowance																						
6	Maximum markup permitted on materials 5% (Bidders to choose between 0%-5%)		5.00%	5	5.00%	5.00%	3.00%		4.00%	5.00%	ţ	5.00%	5.00%		5.00%	5.00%	5.	.00%	5.00%	5.00%		5.00%	5.00%
	Total	\$ 1	30,322.00	\$	130,581.35	\$ 131,899.10	\$ 172,721.20	\$	173,250.48	\$ 174,843.10	\$ 1°	11,189.72	\$ 113,597	.07 \$	117,062.82	\$ 126,530.00	\$ 13	30,909.35	\$ 140,311.10	\$ 116,455.76	\$	116,715.11 \$	118,032.86
	Grand Total	\$				392,802.45	\$			520,814.78	\$				341,849.61	\$			397,750.45	\$			351,203.73



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101-7490 (619) 231-1466 • FAX (619) 234-3407

Agenda Item No. 11

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

AGENDA ITEM NUMBER NOT USED





1255 Imperial Avenue, Suite 1000 San Diego, CA 92101-7490 (619) 231-1466 • FAX (619) 234-3407

Agenda Item No. 12

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

Draft for Executive Committee Review Date: 06/10/2021

SUBJECT:

SUPPLY 115RE HEAD 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. L1575.0-21 (in substantially the same format as Attachment A), with Progress Rail Services Corporation, for the one-time supply of 106 tons of 115RE head hardened steel rail, in the amount of \$132,375.19.

Budget Impact

The total cost for this project shall not exceed \$132,375.19. This project is funded as follows:

Project	WBSE	Amount
Grade Crossing Replacement	2005109201	\$82,422.29
America Plaza and Kettner Rail Replacement	2005112201	\$49,952.90
·	Total	\$132,375.19

DISCUSSION:

The current UC San Diego Blue Line terminates service at America Plaza. With the opening of the Mid-Coast extension at the end of 2021, Blue Line Trolley service will continue through America Plaza, across the Kettner Blvd. grade crossing, and continue north to the new terminal at the University Town Center (UTC).

To minimize the potential risk of future service disruptions, MTS is contracting with Herzog Contracting Corp. to replace approximately 800 track feet of existing rail, including waterproofing, fasteners, and rubber rail interface at America Plaza Trolley Station, and replace the existing grade crossing at Kettner Blvd. The materials required for this project will be owner furnished due to potential delays in material lead times.









MTS is looking for a contractor to furnish 106 tons of 115RE head hardened steel rail for the Grade Crossing and America Plaza/Kettner rail replacement projects.

On March 17, 2021, MTS issued an Invitation for Bids (IFB), and five bids were received by the due date of April 23, 2021 from the following bidders:

Name	Amount	Delivery Costs	Sales Tax	Overall Total Amount
Progress Rail	\$122,854.00	\$0	\$9,521.19	\$132,375.19
A&K Railroad Materials, Inc.	\$110,240.00	\$15,293.68	\$8,543.60	\$134,077.28
L.B. Foster Company	\$135,044.00	\$0	\$10,465.91	\$145,509.91
Gantrex, Inc.	\$142,040.00	\$0	\$11,008.10	\$153,048.10
Technology International, Inc.	\$168,010.00	\$0	\$13,020.78	\$181,030.78
MTS Independent Cost Estimate (ICE)	\$123,596.00	\$0	\$9,578.69	\$133,174.69

MTS staff has deemed Progress Rail to be the lowest responsive and responsible bidder. Staff has determined the bid to be fair and reasonable by comparison of bids received and MTS's ICE shown above.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. No. L1575.0-21 (in substantially the same format as Attachment A), with Progress Rail Services Corporation, for the one-time supply of 106 tons of 115RE head hardened steel rail, in the amount of \$132,375.19 effective July 1, 2021.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, Julia.Tuer@sdmts.com

Attachments: A. Draft Agreement MTS Doc. No. L1575.0-21

B. Scope of WorkC. Bid Summary

1255 Imperial Avenue, Suite 1000 San Diego, CA 92101 Tel 619.231.1466 Fax 619.234.3407

STANDARD AGREEMENT FOR MTS Doc No: L1575.0-21

115RE HH RAIL PROCUREMENT

		*1
THIS AGREEMENT is entered into this California by and between San Diego Metropolitan T and the following, hereinafter referred to as "Contract	ransit System	, 2021 in the State of ("MTS"), a California public agency,
Name: Progress Rail Services Corporation	Address:	1600 Progress Drive Albertville, Alabama 35950
Form of Business: Corporation (Corporation, Partnership, Sole Proprietor, etc.) Telephone: (256) 505-6710	Email:	kroney@progressrail.com
Authorized person to sign contracts Kelly R		Vice President Title
The Contractor agrees to provide goods as specification (Exhibit A), Contractor's Biddithe Standard Agreement, including Standard Condition	Pricing Form (Exhibit C)	(Exhibit B), and in accordance with and Forms (Exhibit D).
The contract term is effective July 1, 2021 through Occ Delivery shall be ninety (90) calendar days after MT 2021).		·
Payment terms shall be net 30 days from invoice da \$132,375.19 without the express written consent of M		cost of this contract shall not exceed
SAN DIEGO METROPOLITAN TRANSIT SYSTEM	SEI	PROGRESS RAIL RVICES CORPORATION
By:		
Sharon Cooney, Chief Executive Officer	Ву	
Approved as to form:		
Ву:	Title:	
Karen Landers, Office of General Counsel		

SCOPE OF WORK/TECHNICAL SPECIFICATIONS

4.1. GENERAL

Contractor shall provide 106 Tons of 115 RE head hardened steel rail in 80-ft lengths with 10% shorts as a one-time purchase.

This section includes specifications for the manufacturing, testing, fabricating, shipping, and unloading of steel rail as specified herein.

4.2. REFERENCES

This section incorporates by reference the latest revisions of the following documents:

- A. The American Railway Engineering and Maintenance-of-Way Association (AREMA)
 - i. AREMA Manual for Railway Engineering (AREMA Manual)
 - ii. Portfolio of Trackwork Plans
 - iii. Specifications for Special Trackwork
- B. Association of American Railroads (AAR)
 - i. AAR: Manual of Standards and Rec. Practices
- C. ASTM International
 - i. ASTM A578/A578M Standard Specification for Straight-Beam Ultrasonic Examination of Rolled Steel Plates for Special Application
 - ii. ASTM E10 Standard Test Method for Brinell Hardness of Metallic Materials
 - iii. ASTM E164 Standard Practice for Contact Ultrasonic Testing of Weldments
- D. American Welding Society (AWS)
 - i. AWS B2.1: Standards for Welding Procedures and Performance Qualifications
 - ii. AWS D1.1: Structural Welding Code

4.3. SUBMITTALS

Awarded bidder shall submit the following two (2) weeks after MTS issues the Notice to Proceed:

- A. Product Data: Submit the following product data for each rail section:
 - i. Steel manufacturing process
 - ii. Hydrogen elimination process
 - iii. Heat treatment process, as applicable
 - iv. Alloy rail chemical composition

- v. Production records and production test results. These records and test results shall be provided at the time of shipment of associated rails.
- B. Submit Test Program Plan and test results as required under the program.
- C. Mill Certificates: Submit mill certifications complete with the following data with each shipment:
 - i. Rail section and type
 - ii. Heat number
 - iii. Number of pieces in each heat
 - iv. Chemical analysis
 - v. Brinell hardness readings
 - vi. Macroetch test results
 - vii. Ultrasound test results
- D. Method for hydrogen elimination.
- E. Method for head hardening premium rail.
- F. Description of the ultrasonic testing procedures, and certifications for the testing personnel. Hard copy results for rails with reject able discontinuities.
- G. Method of identifying the rail.
- H. Method of handling, loading, shipping, unloading and stockpiling the running rail not later than 30 days before shipment. Include working drawings showing the rail stocking arrangement.
- I. Ultrasonic Technician qualification certification for the individuals actually conducting the testing at least 30 days before the commencement of the in-plant inspection.

4.4. QUALITY ASSURANCE

- A. Develop and maintain a quality control program regulating methods, procedures, and processes to ensure compliance with standards of quality as specified herein.
- B. Test Program Plan
 - i. Provide a test program plan including a product flow chart identifying the approach for accomplishing each of the specified rail inspections and tests. Make available at rail mill a detailed narrative for each test and inspection describing the test set-up; equipment and instrumentation used; procedure implemented; and the anticipated, as well as acceptable, test results. Include drawings showing the relationship of the rail and significant components of the test equipment, as necessary, to describe the test set-up and procedure. Include in the test program plan the test sequencing.

- ii. Include key equipment specifications and calibration methods as requested for testing equipment used to perform rail testing and inspection in the test program plan. Indicate the calibration certificates to be submitted with the test reports.
- iii. Include the identity and qualifications of personnel who performs rail testing and inspection and certification records for personnel who perform nondestructive testing.
- iv. Include a description list of the testing facilities.
- v. Include the proposed format for reporting test data.
- vi. Include the projected schedule for submittals of test procedures, test executions, and test results reports.
- vii. After approval of the test program plan, have proposed changes approved by the contractor QC or its designee before implementing the change.
- viii. Perform tests and analyses specified in Chapter 4, Part 2, of the AREMA Manual and submit the results in accordance with this Section.
- C. Testing Facilities Perform rail inspection and testing at the rail mill using qualified manufacturer's personnel. The rail mill will use the equipment for the rail testing and inspection described herein. Rail testing and inspection equipment, and personnel, will be subject to approval by the contractor QC or its designee. The contractor QC or its designee, or an independent witness designated by the contractor QC or its designee, will monitor the operations at the rail plant to ensure that the inspections and tests are being performed in accordance with accepted procedures and in compliance with these Specifications.
- D. Qualification of Testing Personnel
 - i. Use personnel performing tests and inspections who are qualified for such Work by virtue of previous experience or training.
 - ii. Use personnel performing nondestructive testing who are qualified and certified in accordance with the American Society for Nondestructive Testing Recommended Practice No. SNT-TC-1A. Only persons certified for NDT Level I, and Working under a NDT Level II person or persons certified for NDT Level II, may perform nondestructive testing.
- E. Testing Equipment Use testing equipment that is in good operating condition, of adequate capacity and range, and accurately calibrated, that is calibrated, certified and traceable to recognized national standards such as the National Institute of Standards and Technology. Calibrate testing equipment in accordance with the accepted Quality Assurance Plan.

F. Test Report

i. The rail mill's standard, computer-generated, test reports may be used upon review and acceptance by the contractor QC or its designee. Supplemental

- reports may be required by the contractor QC or its designee, to provide additional information. Submittal list shows requirements.
- ii. MTS Notification Notify MTS and contractor QC or their designee in writing not less than five Working days in advance of dates scheduled for any tests or inspections. MTS and contractor QC or their designee retains the right to witness the tests.
- iii. Whether or not the Engineer inspects or tests any materials, the Contractor shall not be relieved from any responsibility regarding defects or other failures to meet the Contract requirements, nor shall such inspection or testing by the Engineer be considered as a guarantee of acceptance of any material that may be delivered later.

G. Tolerances

- i. Manufacturing tolerances and Dimensions to conform to the AREMA Manual "Specifications for Steel Rails".
- ii. Workmanship to conform to AREMA Manual, Chapter 4, Section 2.1.13, "Workmanship."

4.5. PRODUCTS

- 115 RE rail where specified shall be high strength head hardened steel rail conforming to AREMA Volume 1, Chapter 4, Section 2.1, Specifications for Steel Rails.
- ii. Furnish rails with blank ends in 80-ft lengths with 10% shorts unless otherwise noted.

4.6. EXECUTION

A. Manufacture:

- i. Conform to AREMA Manual, Chapter 4, Section 2.1.2, "Manufacture."
- ii. Conform to AREMA Manual, Chapter 4, Section 2.1.7, "Hydrogen Elimination."

B. Rail cutting and end preparation:

- i. Rails used for electric-flash butt welds shall have their ends saw-cut or abrasive disc-cut clean and square by means of accepted equipment.
- ii. Torch cutting of rail is prohibited.
- iii. The head and base of the rail for a length of approximately six inches from welding end shall have mill scale removed down to bright metal.
- iv. All burrs shall be removed from the area where the welding current carrying electrodes contact on the head and base of the rail.
- v. Holes will not be permitted in the rail, except as approved by the Engineer.

C. Testing:

- Brinell Hardness Test Perform in accordance with AREMA Manual, Chapter 4, Section 2.1.3.2, Surface Hardness" and 2.1.3.3, "Internal Hardness of High Strength Rail."
- ii. Ultrasonic Testing Determine the internal condition of the rails by nondestructive testing in accordance with AREMA Manual, Chapter 4, Section 2.1.8, "Ultrasonic Testing."
- iii. Manual ultrasonic testing In accordance with AREMA Manual Chapter 4, Section 2.1.17.2, "Manual Ultrasonic Testing."
- iv. Tensile Test Perform in accordance with AREMA Manual Chapter 4, Section 2.1.3.4, "Tensile Properties."
- v. Brinell Hardness Test Perform in accordance with Per AREMA Manual Chapter 4, Section 2.1.3.3, "Internal Hardness of High-Strength Rail."
- vi. Macroetch Test Perform in accordance with AREMA Manual Chapter 4, Section 2.1.9, "Interior Condition/Macroetch Standards."
- vii. Defective Rail Rework, retreat, cut-back or reject rails failing to meet the requirements of these Specifications in accordance with the AREMA Manual.

4.7. MEASUREMENT AND INVOICE PAYMENT

- A. Measurement of acceptable materials shall be by the actual number of tons manufactured and delivered in accordance with the specifications.
- B. Payment shall be made for each ton of rail delivered and accepted in accordance with the specifications, in the amount bid for each type furnished.
- C. Material not meeting the requirements of the specifications will be rejected. Rejected material shall be returned to the vender at his expense.
- D. MTS shall process the invoice for payment within thirty (30) days of the final invoice approval date. Invoices must be sent to the MTS Accounting Department, via email, at ap@sdmts.com, including along with supporting delivery receipts. 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.
- E. Contractors must also indicate if any of the invoiced amount is for work provided by a subcontractor and indicated the amount that will be paid to the subcontractor. Contractors must also comply with the prompt payment requirements in the Prompt Progress Payments of the Standard Conditions.

4.8. 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.

4.9. 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.

4.10. DELIVERY AND ACCEPTANCE

Delivery shall be ninety (90) calendar days after MTS issues the Notice to Proceed.

Delivery shall be in accordance with AREMA Paragraph 2.1.16 and the following:

Bidders may choose either rail or truck option to make their delivery. All deliveries should meet the instructions shown in the scope of work. Total delivery cost (if any is charged) should be included in the bid form.

MTS will be responsible for hiring a separate contractor to unload. Bidder is responsible for all other shipping/delivery costs.

If delivering by rail, bidder will contact their connecting railroad, and ask for a rate to San Diego on the BNSF for delivery to the San Diego & Imperial Valley Railroad (SDIY). The rail car will need to be routed from point of origin to BNSF/San Diego/SDIY for delivery. SDIY will deliver the car to MTS Track S13.

If delivering by truck, the delivery location shall be at north of Sigsbee Street on the Blue Line at 1699 Main Street, San Diego, CA 92113.

Because of all the coordination involved, the Contractor shall notify the San Diego Trolley five (5) calendar days prior to delivery of the rail to allow unloading by MTS.

The deliverable provided under this contract shall be delivered F.O.B. to the addresses above 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).

ATTACHMENT C PROCUREMENT OF 115RE HEAD HARDENED STEEL RAIL MTS DOC. NO. L1575.0-21

		-	endent Cost ate (ICE)	Progr	ess Rail		Railroad ials, Inc	L.B. Fost	er Company	Gantı	rex, Inc.		nology ional, Inc.
Description	Quantity (Unit of Measure Tons)	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost
115RE Head Hardened Steel Rail	106	\$1,166.00	\$123,596.00	\$1,159.00	\$122,854.00	\$1,040.00	\$110,240.00	\$1,274.00	\$135,044.00	\$1,340.00	\$142,040.00	\$1,585.00	\$168,010.00
Total De	livery Cost (i	f applicable)	\$0.00		\$0.00		\$15,293.68		\$0.00		\$0.00		\$0.00
	Total (Basi	s for Award)	\$123,596.00		\$122,854.00		\$125,533.68		\$135,044.00		\$142,040.00		\$168,010.00
	С	A Sales Tax	\$9,578.69		\$9,521.19		\$8,543.60		\$10,465.91		\$11,008.10		\$13,020.78
Overall	Total (Boar	d Approval)	\$133,174.69		\$132,375.19		\$134,077.28		\$145,509.91		\$153,048.10		\$181,030.78
					1		2		3		4		5



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Agenda Item No. 13

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

Draft for Executive Committee Review Date: 06/10/2021

SUBJECT:

FARE COLLECTION CHANGE ORDERS - AMENDMENT

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute Amendment No. 7 to MTS Doc. No. G2091.0-18 (in substantially the same format as Attachment A), with Innovations in Transportation, Inc. (INIT), for a total contract increase of \$270,050.09.

Budget Impact

The total budget for this project shall not exceed \$43,240,719.85 as shown in the table below. This project is funded by Capital Improvement Program (CIP) 1009004902 – Fare System Upgrades.

Date Issued	Board Approval Date	Document	Description	Amount
01/1/19	12/13/18	Agreement	Fare collection system	\$37,667,727.57
12/12/19	12/13/18	AM 1	Commence work on options previously approved on 12/13/18	Included in agreement
12/18/19	12/12/19	AM 2	Commence work on new options	\$1,093,731.49
05/26/20	09/17/20	AM 3	Change Order - Integrate Conduent's CAD/AVL solution	\$57,681.00
09/17/20	09/17/20	AM 4	Change Order - Rail Validator Masts	\$907,267.08
1/13/21	12/10/20	AM 5	Adds CA Sales Tax; and Change Orders - revises TVM spare parts & cashless conversion kits, and adds gateway services	\$2,478,990.86

Table continued on next page...



03/18/21	03/11/21	AM 6	Change Orders - adds customer and institution website scope updates, adds a new reduced fares program enrollment, adds driver control unit screen flow changes, adds SAGE operator separation, adds Customer Relationship Module (CRM) payment encryption changes and applies the fare media capital credit	\$765,271.76
TBD	06/17/21	AM 7	Change Orders – adds transfer and business rule changes to website and CRM; modified 2 phase bus validator and Driver Control Unit (DCU) installation; installation of modified ticket validator arm	\$270,050.09
			Total Board Approved Amount	\$43,240,719.85

DISCUSSION:

On December 13, 2018, the MTS Board approved MTS Doc. No. G2091.0-18 for the design and implementation of a new fare collection system. This includes provision of services, equipment, software, parts, and support.

Amendment No. 7 adds the following change orders:

Transfer and business rule changes to website and CRM

The new PRONTO fare system will allow free transfers for one-way fares within two hours of the first boarding. The policy will require a PRONTO account in order to access free transfers. There are necessary business rules and sales channel language modifications needed in order to support the new policy.

2. Modified 2 phase bus validator and DCU installation

The PRONTO fare system will require a two phased installation approach in order to successfully install the new INIT validator, DCU and GFI Genfare (GFI) farebox upgrade. During the first phase, INIT will install a validator on all the buses but will leave the current Cubic DCU in place until go-live. GFI will then start upgrading the old Genfare fare boxes at go-live. As GFI finishes each farebox upgrade, INIT will follow behind, remove the old Cubic driver control unit and install the new INIT driver control unit.

This second phase requires additional costs associated with staging installations a second time. The second installation is necessary in order to minimize the impact on our customers and to reduce the transition timeline. Phase 2 will also incur installation on 20 buses that were not accounted for in the initial cost.

In addition, the ticket validator needs to be installed on a modified arm to accommodate the new driver barriers installed on the bus. This additional install will occur on 290 vehicles and will take approximately 2 weeks.

Amendment No. 7 costs are summarized below:

Change Order	Sub-Total	Total Amount
1. Transfer and business rule changes to website & CRM		\$63,143.50
2. Modified 2 phase bus validator and DCU installation		
2.a. Additional cost for a 2 phase installation	\$80,800.00	
2.b. Cost for vehicle equipment for 20 additional buses	\$26,825.60	\$122,896.59
2.c. Installation	\$13,192.00	
2.d. Sales tax on vehicle equipment	\$2,078.99	
3. Installation of validator arm and relocation	\$84,010.00	\$84,010.00
Amendment 7 Total		\$270,050.09

MTS staff has determined the bid to be fair and reasonable in comparison to MTS Independent Cost Estimate (ICE) of \$256,400.00

Therefore, staff recommends that the MTS Board authorize the CEO to execute Amendment No. 7 to MTS Doc. No. G2091.0-18 (in substantially the same format as Attachment A), with INIT, for a total contract increase of \$270,050.09.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, <u>Julia.Tuer@sdmts.com</u>

Attachment: A. Draft Amendment MTS Doc. No. G2091.7-18



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101 Tel 619.231.1466 Fax 619.234.3407

Amendment 7

May 10, 2021 MTS Doc No. G2091.7-18

ACCOUNT BASED FARE COLLECTION SYSTEM

INIT Innovations in Transportation, Inc. Roland Staib President and CEO 424 Network Station Chesapeake, VA 23320

This shall serve as Amendment No.7 to the original agreement G2091.0-18 as further described below.

SCOPE

MTS is issuing the change orders below, and as detailed under the enclosed Attachments:

- 1. Transfer and business rule changes to website and Customer Relationship Module (CRM)
- 2. Modified 2 phase bus validator and Driver Control Unit (DCU) installation
- 3. Install validator arm and relocate validator on 290 Gillig buses per the attached scope (Attachment C).

SCHEDULE

There are no changes to the overall schedule provision of the agreement. The contract termination date remains December 31, 2028.

PAYMENT

The total for Amendment 7 is \$270,050.09 as shown below. This amount shall not be exceeded without prior written approval from MTS. The new contract amount of this contract is not to exceed \$43,240,719.85

Change Order	Sub-Total	Total Amount
Transfer and business rule changes to website & CRM		\$63,143.50
Modified 2 phase bus validator and DCU installation		
2.a. Additional cost for a 2 phase installation	\$80,800.00	
2.b. Cost for vehicle equipment for 20 additional buses	\$26,825.60	
2.c. Installation	\$13,192.00	Ψ122,090.09
2.d. Sales tax on vehicle equipment	\$2,078.99	
3. Installation of validator arm and relocation	\$84,010.00	\$84,010.00
	Amendment 7 Total	\$270,050.09



U	. ,	o the Contract Specialist at MTS. All other terms and stain the other copies for your records.
Sincerely,		Agreed:
Sharon Coon	ey, Chief Executive Officer	Roland Staib, President and CEO INIT Innovations in Transportation, Inc.
		Date:
Attachment:	A. Transfer and business rule chan B. Modified 2 phase bus validator a	and DCU installation



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101-7490 (619) 231-1466 • FAX (619) 234-3407

Agenda Item No. 14

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

Draft for
Executive Committee
Review Date: 6/10/2021

SUBJECT:

CLOSED-CIRCUIT TELEVISION (CCTV) SYSTEM INSTALLATION FOR THE MID-COAST TROLLEY EXTENSION PROJECT – CHANGE ORDERS

RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors:

- Ratify Construction Change Order (CCO) 1 under MTS Doc No. PWL320.0-21 (Attachment A) with Electro Specialty Systems (ESS) totaling \$52,939.53; and
- 2) Authorize the Chief Executive Officer (CEO) to execute CCO 2 under MTS Doc No. PWL320.2-21 (in substantially the same format as Attachment B) with ESS in the amount of \$92,252.16 for additional camera coverage at all Mid-Coast Stations and Parking Lots/Structures.

Budget Impact

The total budget for this project shall not exceed \$768,807.69. This project is funded through San Diego Association of Governments (SANDAG) Mid-Coast Trolley Extension Project via Addendum 17 Scope of Work (SOW) 93.

MTS Doc No.	Purpose	Amount	Board Approval Date
PWL320.0-21	Mid Coast CCTV	\$623,616.00	9/17/2020, Item 15
CCO 1	Elevator Cameras	\$52,939.53	Today's action to ratify
CCO 2	Additional Cameras	\$92,252.16	Today's Proposed Action
	Total	\$768,807.69	



DISCUSSION:

The Mid-Coast Trolley Extension Project will extend the UC San Diego Blue Line service from Santa Fe Depot in Downtown San Diego to the University City community, serving major activity centers such as Old Town, Mission Bay, the University of California, San Diego (UCSD), and Westfield UTC.

The route begins just north of the Old Town Transit Center, travels in existing railroad right-of-way, and alongside Interstate 5, to serve UCSD and University City. The extension will serve nine new stations: Tecolote Road, Clairemont Drive, Balboa Avenue, Nobel Drive, VA Medical Center, Pepper Canyon (serving UCSD west campus), Voigt Drive (serving UCSD east campus), Executive Drive, and the terminus station at the Westfield UTC transit center.

To keep MTS passengers, employees, equipment and infrastructure safe and secure, MTS has video surveillance cameras and Network Video Recorders throughout the system. This project will provide cameras and recorders to the new Mid-Coast Trolley Extension and ensure the new system is compatible with the MTS current video surveillance system platform. Beyond security, video surveillance also helps MTS improve efficiency and enhance the overall passenger experience. The video surveillance is considered essential to monitor and capture clear incident images from MTS Operation Control Center and keep operations running smoothly.

On September 17, 2020, the MTS Board approved MTS Doc No. PWL320.0-21 to ESS for procuring and installing CCTV (video surveillance) system for the Mid-Coast Trolley Extension Project.

During the Mid-Coast CCTV bidding time, the station elevator cameras were not included due to SANDAG's assumption to have the Mid-Coast Transit Constructors (MCTC) elevator contractor to install these cameras. However, due to CCTV system compatibility, MTS Security has asked SANDAG to use the same MTS Avigilon CCTV system and SANDAG has agreed to have MTS take over the elevator cameras installation. These additional cameras were incorporated into the contract as CCO 1.

During recent job walks with MTS Security staff and ESS, the team noticed many critical areas at the Mid-Coast stations and parking lots/structures without camera coverage. In addition, the construction team has identified locations along the alignment that have been subject to periodic vandalism. MTS staff has worked with our contractors to identify locations to implement additional cameras at these stations, parking lots and facilities, to assist with protection of the new Mid-Coast assets once complete. If approved, these cameras would be incorporated into the contract as CCO 2.

The cost for these additional cameras has been reviewed and staff determined that the pricing was fair and reasonable.

Therefore, staff recommends that the MTS Board of Directors:

1) Ratify CCO 1 under MTS Doc No. PWL320.1-21 (Attachment A) with ESS totaling \$52,939.53; and

2) Authorize the CEO to execute CCO 2 under MTS Doc No. PWL320.2-21 (in substantially the same format as Attachment B) with ESS in the amount of \$92,252.16 for additional cameras coverage at all Mid Coast Stations and Parking Lots/Structures.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, Julia.Tuer@sdmts.com

Attachments: A. PWL320.1-21 CCO 1

B. PWL320.2-21 Draft CCO 2



CONSTRUCTION CHANGE ORDER

Project Name:	CCTV CONSTRUCTION	Date:	2/3/21
To:	MTS	Contract Number:	PWL320.0-21
From (Contractor)	ELECTRO SPECIALTY SYSTEMS	CCO Number:	1
Any time there is SUBCONTRACT be made in accordance DESCRIPTION This CCO is presented as a substitution of the substitution of	ETORS AND OTHER THIRD PARTY CONTRACTORS s a change to a Subcontractor or Other Third Party Contractor ETORS AND OTHER THIRD PARTY CONTRACTORS. Any or ordance with Public Contract Code sections 4100 et seq., as a OF WORK epared in accordance with and incorporates Section Changes consists of: Camera location and qty changes. See Proposa	change to these forn applicable, and as p and Extra Work Pa	ns after bid submittal must ermitted by MTS. yment of the Contract
A. Contractor (Cost of the Work		
Materials (See Equipment (S Consultant C		\$ - \$ - \$ - \$ - \$ 52,939.53 \$ -	Subtotal A: \$ 52,939.53
Payroll Costs Equipment (See Materials (See	tor Cost of the Work 6 (See attached supporting documentation.) 6ee attached supporting documentation.) attached supporting documentation.) 6osts (See attached supporting documentation.) all Costs (See attached supporting documentation.)	\$ - \$ - \$ - \$ - \$ -	Subtotal B: \$ -
Overhead an	d Profit on Subcontractors -5%	\$ -	Subtotal C: \$ -
		Total = (A + B + C)	Total: \$ 52,939.53
Original Contract	value:		\$ 623,616.00
Adjustment by this	Change Order		\$ 52,939.53
New Contract Amo		Total:	\$ 676,555.53
Original Completion	ange Order No. <u>X</u> through Change Order <u>X (if applicable)</u> s Change Order	✓ Unchanged	######################################
Milestones Affecte	d: Add Descriptions of any milestones affected as a resul	t of a change in serv	vices, term, and/or price
Contractor	02/03/2021 St	Chief Executive Officer	3/8/21 Date:
	Follow all applicable procedures and provide all appropriate the Contract Documents.	documentation as r	equired by

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SCOPE CHANGES

PROJECT: MIDCOAST CCTV

CUSTOMER: SAN DIEGO METRO TRANSIT

ATTENTION: TROY GIRARD

DATE: 23 OCTOBER 2020

Below is a list of items to be added/corrected to the CCTV systems for the various locations. ESS will provide and install all of these devices. This quote does not include CAT6 cable to each elevator machine room, travel cable in the elevator shaft or charges by the elevator contractor. ESS will coordinate with the elevator contractors to install the cameras and ethernet extenders in the cabs.

Nobel Parking

Bid Doc	Addm 1	Delta	PART #	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
2	2	0	HD-NVR4-PRM-64TB-NA	64TB NVR Server	\$0.00	\$0.00	\$68.00	8	0	\$0.00
37	34	3	ACC7-ENT	CCTV License	\$188.50	\$565.50	\$68.00	0	0	\$0.00
0	6	-6	8.0C-H5A-BO1-IR	8MP Bullet Camera	\$975.00	-\$5,850.00	\$68.00	4	-24	(\$1,632.00)
6	4	2	2.0C-H4IRPTZ-DP30-WP	2MP PTZ Camera	\$2,291.25	\$4,582.50	\$68.00	4	8	\$544.00
20	10	10	32C-H4A-4MH-360	32MP 360° Camera	\$1,560.00	\$15,600.00	\$68.00	4	40	\$2,720.00
3	1	2	3.0C-HD-LP-B1	License Plate Camera	\$572.00	\$1,144.00	\$68.00	6	12	\$816.00
0	2	-2	H4A-MT-POLE1	Pole Adapter	\$58.50	-\$117.00	\$68.00	2	-4	(\$272.00)
6	4	2	IRPTZ-MNT-WALL1	PTZ Wall Mount	\$35.75	\$71.50	\$68.00	2	4	\$272.00
20	10	10	H4AMH-AD-PEND1	Multisensor Back Box	\$104.00	\$1,040.00	\$68.00	1	10	\$680.00
20	10	10	H4AMH-DO-COVR1	Multisensor Clear Dome	\$104.00	\$1,040.00	\$68.00	1	10	\$680.00
0	7	-7	H4-BO-JBOX1	Bullet Camera Back Box	\$58.50	-\$409.50	\$68.00	2	-14	(\$952.00)
3	1	2	ES-HD-LP-HS	LPR Camera Housing	\$422.50	\$845.00	\$68.00	2	4	\$272.00
3	1	2	ES-HD-IR-IP6	LPR IR Illuminator	\$435.50	\$871.00	\$68.00	2	4	\$272.00
3	1	2	ES-PS-MNT-POLE	LPR Pole Mount Bracket	\$45.50	\$91.00	\$68.00	2	4	\$272.00
6	4	2	POE-INJ2-95W-NA	Injector	\$260.00	\$520.00	\$68.00	2	4	\$272.00
1	1	0	NV-FLX-024	24 Port Flex Switch	\$4,659.99	\$0.00	\$68.00	4	0	\$0.00
10	10	0	NV-FLX-LK	Flex Link Adapter	\$264.99	\$0.00	\$68.00	2	0	\$0.00
1	1	0	S24P-382W-NA	28 Port Switch	\$1,083.34	\$0.00	\$68.00	2	0	\$0.00
4	13	-9	8.0C-H5A-DO1-IR	8MP Dome Camera	\$975.00	-\$8,775.00	\$68.00	4	-36	(\$2,448.00)
2	0	2	12.0L-H4F-DO1-IR	12MP Fisheye Camera	\$702.00	\$1,404.00	\$68.00	4	8	\$544.00
2	0	2	EV-N4206-2S4Q	Elevator Camera	\$392.99	\$785.98	\$68.00	8	16	\$1,088.00
1	0	1	NV-EC1701U-KIT2	Ethernet Over Pair	\$735.00	\$735.00	\$68.00	6	6	\$408.00

 Material
 \$14,143.98
 52
 \$3,536.00

 Tax
 \$1,096.16

 Labor
 \$3,536.00

 Subtotal
 \$18,776.14

 15%
 \$2,816.42

 Total
 \$21,592.56

Nobel Station

Add a camera to one elevator

Delta	PART #	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
1	ACC7-ENT	CCTV License	\$188.50	\$188.50	\$68.00	0	0	\$0.00
1	EV-N4206-2S4Q	Elevator Camera	\$392.99	\$392.99	\$68.00	8	8	\$544.00
1	NV-EC1701U-KIT1	Ethernet Over Pair	\$521.00	\$521.00	\$68.00	4	4	\$272.00
			Material	\$1,102.49			12	\$816.00
			Tax	\$85.44				
			Labor	\$816.00				
			Subtotal	\$2,003.93				
			15%	\$300.59				
			Total	\$2.304.52				

Pepper Canyon

Add a camera to one elevator

Delta	PART #	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
1	ACC7-ENT	CCTV License	\$188.50	\$188.50	\$68.00	0	0	\$0.00
1	EV-N4206-2S4Q	Elevator Camera	\$392.99	\$392.99	\$68.00	8	8	\$544.00
1	NV-EC1701U-KIT1	Ethernet Over Pair	\$521.00	\$521.00	\$68.00	4	4	\$272.00
			Material	\$1,102.49			12	\$816.00
			Tax	\$85.44				
			Labor	\$816.00				
			Subtotal	\$2,003.93				
			15%	\$300.59				
			Total	\$2,304.52				

Voigt

Add cameras to three elevators

Delta	PART #	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
3	ACC7-ENT	CCTV License	\$188.50	\$565.50	\$68.00	0	0	\$0.00
3	EV-N4206-2S4Q	Elevator Camera	\$392.99	\$1,178.97	\$68.00	8	24	\$1,632.00
1	NV-EC1701U-KIT1	Ethernet Over Pair	\$521.00	\$521.00	\$68.00	4	4	\$272.00
1	NV-EC1701U-KIT2	Ethernet Over Pair	\$735.00	\$735.00	\$68.00	6	6	\$408.00
			Material	\$3,000.47			34	\$2,312.00
			Tax	\$232.54				
			Labor	\$2,312.00				
			Subtotal	\$5,545.01				
			15%	\$831.75				
			Total	\$6,376.76				

Executive

Add cameras to four elevators

Delta	PART #	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
4	ACC7-ENT	CCTV License	\$188.50	\$754.00	\$68.00	0	0	\$0.00
4	EV-N4206-2S4Q	Elevator Camera	\$392.99	\$1,571.96	\$68.00	8	32	\$2,176.00
2	NV-EC1701U-KIT2	Ethernet Over Pair	\$735.00	\$1,470.00	\$68.00	6	12	\$816.00
			Material	\$3,795.96			44	\$2,992.00
			Tax	\$294.19				
			Labor	\$2,992.00				
			Subtotal	\$7,082.15				
			15%	\$1,062.32				
			Total	\$8.144.47				

UTC Station

Add cameras to four elevators

Delta	PART #	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
4	ACC7-ENT	CCTV License	\$188.50	\$754.00	\$68.00	0	0	\$0.00
4	EV-N4206-2S4Q	Elevator Camera	\$392.99	\$1,571.96	\$68.00	8	32	\$2,176.00
2	NV-EC1701U-KIT2	Ethernet Over Pair	\$735.00	\$1,470.00	\$68.00	6	12	\$816.00
			Material	\$3,795.96			44	\$2,992.00
			Tax	\$294.19				
			Labor	\$2,992.00				
			Subtotal	\$7,082.15				
			15%	\$1,062.32				
			Total	\$8,144.47				

UTC Parking

Add cameras to two elevators

Delta	PART #	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
2	ACC7-ENT	CCTV License	\$188.50	\$377.00	\$68.00	0	0	\$0.00
2	EV-N4206-2S4Q	Elevator Camera	\$392.99	\$785.98	\$68.00	8	16	\$1,088.00
1	NV-EC1701U-KIT2	Ethernet Over Pair	\$735.00	\$735.00	\$68.00	6	6	\$408.00
			Material	\$1,897.98			22	\$1,496.00
			Tax	\$147.09				
			Labor	\$1,496.00				
			Subtotal	\$3,541.07				
			15%	\$531.16				
			Total	\$4,072.23				

Cost Summary

Jose Juliniar j	
Nobel Parking	\$21,592.56
Nobel Station	\$2,304.52
Pepper Canyon	\$2,304.52
Voigt	\$6,376.76
Executive	\$8,144.47
UTC Station	\$8,144.47
UTC Parking	\$4,072.23

\$52,939.53

Let me know if you have any questions.

Respectfully Submitted,

Daniel Brault President

CONSTRUCTION CHANGE ORDER

Project Name:	CCTV CONSTRUCTION	Date:		6/18/21	
To:	MTS	Contract Number:		PWL320.2-2	21
From (Contractor):	ELECTRO SPECIALTY SYSTEMS	CCO Number:		2	
SUBCONTRAC	TORS AND OTHER THIRD PARTY CONTRACTORS				
Any time there is SUBCONTRAC	s a change to a Subcontractor or Other Third Party Contractor TORS AND OTHER THIRD PARTY CONTRACTORS. Any ordance with Public Contract Code sections 4100 et seq., as	change to these for	ms afte	r bid submitt	al must
•	OF WORK pared in accordance with and incorporates Section Changes consists of: Various camera changes. See proposal dated		ayment	of the Contra	act
A. Contractor C	Cost of the Work				
Payroll Costs	(See attached supporting documentation.)	\$ -			
	attached supporting documentation.)	\$ -			
	ee attached supporting documentation) OStS (See attached supporting documentation.)	\$ - \$ -			
	I Costs (See attached supporting documentation.)	\$ -			
Lump Sum co		\$ 92,252.16			
Other - descr	be services	\$ -	Su	btotal A: \$	92,252.16
Payroll Costs Equipment (S	or Cost of the Work (See attached supporting documentation.) tee attached supporting documentation.) attached supporting documentation.)	\$ - \$ - \$ -			
	OSTS (See attached supporting documentation.)	\$ -			
Supplementa	Costs (See attached supporting documentation.)	\$ -	Su	btotal B: \$	
C Contractor F	Ge: (As per the Contract Documents)				
Overhead and					
	Profit on Subcontractors -5%	\$ -			
Bonds and In		<u> </u>			
			Su	btotal C: \$	
		Tatal (A - B - C)		Tatal: C	00.050.46
	<u> </u>	Total = (A + B + C)		Total: _\$	92,232.16
Original Contract v	alue:				
Adjustment by this	Change Order		\$		92,252.16
-		Tatal	•		02,202.10
New Contract Amo		Total:	hv	##	dovo
Original Completio		✓Unchanged	by	##/##/####	days
•	inge Order No. X through Change Order X (if applicable)			##/##/####	
Adjustment by this	Change Order			##/##/###	
New Completion D	ate			##/##/####	
Milestones Affecte	d: Add Descriptions of any milestones affected as a result	It of a change in ser	vices t	erm and/or i	orice
Wilestones Affected	1. And Descriptions of any fillinestories directed as a result	it of a charige in ser	V1003, 1	ciiii, aiia/oi į	<u> </u>
Contractor	Date: MTS	Chief Executive Officer		Date:	
	Follow all applicable procedures and provide all appropriate the Contract Documents.	e documentation as	require	d by	
			6	GA	0.6

Metropolitan Transit System (MTS) is a Galifornia 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 is the taxicab administrator for seven cities. 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.

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SCOPE CHANGES

PROJECT: MIDCOAST CCTV

CUSTOMER: SAN DIEGO METRO TRANSIT

ATTENTION: THANG NGUYEN

DATE: 29 APRIL 2021

Below is a list of items to be added to the CCTV systems for the various locations. ESS will provide and install all of these devices. CAT6 cable to each camera will be by others. ESS will coordinate with the elevator contractors to install the cameras and ethernet extenders in the cabs.

Nobel Station Add an 8MP bullet camera at the north end of the platform and a camera in the comm room

Bid Doc	PART#	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
2	ACC7-ENT	CCTV License	\$188.50	\$377.00	\$68.00	0	0	\$0.00
1	8.0C-H5A-BO1-IR	8MP Bullet Camera	\$975.00	\$975.00	\$68.00	2	2	\$136.00
1	H4A-MT-POLE1	Pole Adapter	\$58.50	\$58.50	\$68.00	1	1	\$68.00
1	H4-BO-JBOX1	Bullet Camera Back Box	\$58.50	\$58.50	\$68.00	1	1	\$68.00
1	NV-FLX-LK	Flex Link Adapter	\$264.99	\$264.99	\$68.00	1	1	\$68.00
1	3.0C-H4A-25G-DP1-IR-B	3MP Camera w/25G Memory	\$1,297.00	\$1,297.00	\$68.00	4	4	\$272.00
1	H4A-MT-WALL1	Wall Mount Bracket	\$392.99	\$392.99	\$68.00	1	1	\$68.00
			Material	\$3,423.98			10	\$680.00
			Tax	\$265.36				

 Tax
 \$265.36

 Labor
 \$680.00

 Subtotal
 \$4,369.34

 15%
 \$655.40

 Total
 \$5,024.74

Pepper Canyon

Add one camera to a street level pole and two cameras in the comm room

Bid Doc	PART#	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
3	ACC7-ENT	CCTV License	\$188.50	\$565.50	\$68.00	0	0	\$0.00
1	8.0C-H5A-BO1-IR	8MP Bullet Camera	\$975.00	\$975.00	\$68.00	4	4	\$272.00
1	H4A-MT-POLE1	Pole Adapter	\$58.50	\$58.50	\$68.00	1	1	\$68.00
1	H4-BO-JBOX1	Bullet Camera Back Box	\$58.50	\$58.50	\$68.00	1	1	\$68.00
1	NV-FLX-LK	Flex Link Adapter	\$264.99	\$264.99	\$68.00	1	1	\$68.00
2	3.0C-H4A-25G-DP1-IR-B	3MP Camera w/25G Memory	\$1,297.00	\$2,594.00	\$68.00	4	8	\$544.00
2	H4A-MT-WALL1	Wall Mount Bracket	\$392.99	\$785.98	\$68.00	1	2	\$136.00
			Material	\$5,302.47			17	\$1,156.00

Material \$5,302.47

Tax \$410.94

Labor \$1,156.00

Subtotal \$6,869.41

15% \$1,030.41

Total \$7,899.82

Voigt Add one four imager 360 camera at the bridge and one camera in the comm room

QTY	PART #	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
2	ACC7-ENT	CCTV License	\$188.50	\$377.00	\$68.00	0	0	\$0.00
1	32C-H4A-4MH-360	32MP 360° Camera	\$1,560.00	\$1,560.00	\$68.00	4	4	\$272.00
1	H4A-MT-POLE1	Pole Adapter	\$58.50	\$58.50	\$68.00	1	1	\$68.00
1	IRPTZ-MNT-WALL1	PTZ Wall Mount	\$35.75	\$35.75	\$68.00	2	2	\$136.00
1	H4AMH-AD-PEND1	Multisensor Back Box	\$104.00	\$104.00	\$68.00	1	1	\$68.00
1	H4AMH-DO-COVR1	Multisensor Clear Dome	\$104.00	\$104.00	\$68.00	1	1	\$68.00
1	NV-FLX-LK	Flex Link Adapter	\$264.99	\$264.99	\$68.00	1	1	\$68.00
1	3.0C-H4A-25G-DP1-IR-B	3MP Camera w/25G Memory	\$1,297.00	\$1,297.00	\$68.00	4	4	\$272.00
1	H4A-MT-WALL1	Wall Mount Bracket	\$392.99	\$392.99	\$68.00	1	1	\$68.00
			Material	\$4,194.23			15	\$1,020.00
			Tax	\$325.05				
			Labor	\$1,020.00				
			Subtotal	\$5,539.28				
			15%	\$830.89				

Total

\$6,370.18

Executive

Add four, four imager 270 cameras and one 8MP bullet to the bridges and one camera in the comm room

QTY	PART#	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
6	ACC7-ENT	CCTV License	\$188.50	\$1,131.00	\$68.00	0	0	\$0.00
1	8.0C-H5A-BO1-IR	8MP Bullet Camera	\$975.00	\$975.00	\$68.00	4	4	\$272.00
4	24C-H4A-3MH-270	24MP 270° Camera	\$1,290.00	\$5,160.00	\$68.00	4	16	\$1,088.00
5	H4A-MT-POLE1	Pole Adapter	\$58.50	\$292.50	\$68.00	1	5	\$340.00
4	IRPTZ-MNT-WALL1	PTZ Wall Mount	\$35.75	\$143.00	\$68.00	2	8	\$544.00
4	H4AMH-AD-PEND1	Multisensor Back Box	\$104.00	\$416.00	\$68.00	1	4	\$272.00
4	H4AMH-DO-COVR1	Multisensor Clear Dome	\$104.00	\$416.00	\$68.00	1	4	\$272.00
1	H4-BO-JBOX1	Bullet Camera Back Box	\$58.50	\$58.50	\$68.00	1	1	\$68.00
5	NV-FLX-LK	Flex Link Adapter	\$264.99	\$1,324.95	\$68.00	1	5	\$340.00
1	Flex 24 Extender Switch	24 Port Switch	\$3,058.00	\$3,058.00	\$68.00	2	2	\$136.00
-1	Flex 8 Extender Switch	8 Port Switch	\$1,044.00	-\$1,044.00	\$68.00	2	-2	(\$136.00)
1	3.0C-H4A-25G-DP1-IR-B	3MP Camera w/25G Memory	\$1,297.00	\$1,297.00	\$68.00	4	4	\$272.00
1	H4A-MT-WALL1	Wall Mount Bracket	\$392.99	\$392.99	\$68.00	1	1	\$68.00
			Material	\$13,620.94			52	\$3,536.00
			_	44 055 00				

Tax \$1,055.62
Labor \$3,536.00
Subtotal \$18,212.56
15% \$2,731.88
Total \$20,944.45

UTC Station
Add four, four imager 270 cameras to the bridges and one camera in the comm room

	PART #	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
5	ACC7-ENT	CCTV License	\$188.50	\$942.50	\$68.00	0	0	\$0.00
4	24C-H4A-3MH-270	24MP 270° Camera	\$1,290.00	\$5,160.00	\$68.00	4	16	\$1,088.00
4	H4A-MT-POLE1	Pole Adapter	\$58.50	\$234.00	\$68.00	1	4	\$272.00
4	IRPTZ-MNT-WALL1	PTZ Wall Mount	\$35.75	\$143.00	\$68.00	2	8	\$544.00
4	H4AMH-AD-PEND1	Multisensor Back Box	\$104.00	\$416.00	\$68.00	1	4	\$272.00
4	H4AMH-DO-COVR1	Multisensor Clear Dome	\$104.00	\$416.00	\$68.00	1	4	\$272.00
4	NV-FLX-LK	Flex Link Adapter	\$264.99	\$1,059.96	\$68.00	1	4	\$272.00
1 F	Flex 24 Extender Switch	24 Port Switch	\$3,058.00	\$3,058.00	\$68.00	2	2	\$136.00
-1	Flex 8 Extender Switch	8 Port Switch	\$1,044.00	-\$1,044.00	\$68.00	2	-2	(\$136.00)
1 3	3.0C-H4A-25G-DP1-IR-B	3MP Camera w/25G Memory	\$1,297.00	\$1,297.00	\$68.00	4	4	\$272.00
1	H4A-MT-WALL1	Wall Mount Bracket	\$392.99	\$392.99	\$68.00	1	1	\$68.00
			Material	\$12,075.45			45	\$3,060.00
			Tax	\$935.85				
			Labor	\$3,060.00				
			Subtotal	\$16,071.30				
			15%	\$2,410.69				
			Total	\$18,481.99				

VA Station

Add one 8MP camera at the north end of the station

QTY	PART#	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
1	ACC7-ENT	CCTV License	\$188.50	\$188.50	\$68.00	0	0	\$0.00
1	8.0C-H5A-BO1-IR	8MP Bullet Camera	\$975.00	\$975.00	\$68.00	4	4	\$272.00
1	H4A-MT-POLE1	Pole Adapter	\$58.50	\$58.50	\$68.00	1	1	\$68.00
1	H4-BO-JBOX1	Bullet Camera Back Box	\$58.50	\$58.50	\$68.00	1	1	\$68.00
1	NV-FLX-LK	Flex Link Adapter	\$264.99	\$264.99	\$68.00	1	1	\$68.00
			Material	\$1,545.49			7	\$476.00
			Tax	\$119.78				
			Labor	\$476.00				
			Subtotal	\$2,141.27				
			15%	\$321.19				
			Total	\$2,462.46				

Tecolote Add one four imager 360 on each of two bus stop VMS and two 8MP bullet cameras to view separation wall.

QTY	PART#	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
2	SP-SMP30	Camera Mounrt Ar,	\$160.00	\$320.00	\$68.00	1.5	3	\$204.00
4	ACC7-ENT	CCTV License	\$188.50	\$754.00	\$68.00	0	0	\$0.00
2	8.0C-H5A-BO1-IR	8MP Bullet Camera	\$975.00	\$1,950.00	\$68.00	4	8	\$544.00
2	32C-H4A-4MH-360	32MP 360° Camera	\$1,560.00	\$3,120.00	\$68.00	4	8	\$544.00
2	IRPTZ-MNT-NPTA1	PTZ Pendant Mount	\$46.00	\$92.00	\$68.00	1	2	\$136.00
2	H4AMH-AD-PEND1	Multisensor Back Box	\$104.00	\$208.00	\$68.00	1	2	\$136.00
2	H4AMH-DO-COVR1	Multisensor Clear Dome	\$104.00	\$208.00	\$68.00	1	2	\$136.00
2	H4-BO-JBOX1	Bullet Camera Back Box	\$58.50	\$117.00	\$68.00	1	2	\$136.00
4	NV-FLX-LK	Flex Link Adapter	\$264.99	\$1,059.96	\$68.00	1	4	\$272.00
			Material	\$7,828.96			31	\$2,108.00
			Tax	\$606.74				
			Labor	\$2,108.00				
			Subtotal	\$10,543.70				
			15%	\$1,581.56				
			Total	\$12,125.26				

Balboa Add two 8MP bullet cameras to each of two VMS and 8MP bullet cameras to view separation wall

QTY	PART#	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
2	SP-SMP30	Camera Mount Arm	\$160.00	\$320.00	\$68.00	1.5	3	\$204.00
6	ACC7-ENT	CCTV License	\$188.50	\$1,131.00	\$68.00	0	0	\$0.00
6	8.0C-H5A-BO1-IR	8MP Bullet Camera	\$975.00	\$5,850.00	\$68.00	4	24	\$1,632.00
6	H4-BO-JBOX1	Bullet Camera Back Box	\$58.50	\$351.00	\$68.00	1	6	\$408.00
5	NV-FLX-LK	Flex Link Adapter	\$264.99	\$1,324.95	\$68.00	1	5	\$340.00
			Material	\$8,976.95			38	\$2,584.00
			Tax	\$695.71				
			Labor	\$2,584.00				
			Subtotal	\$12,256.66				
			15%	\$1,838.50				
			Total	\$14,095.16				

Clairemont

Add two 8MP bullet cameras to view separation wall

QTY	PART#	DESCRIPTION	UNIT COST	EXT COST	LABOR RATE	UNIT LABOR	EXT LABOR	LABOR CHARGE
2	SP-SMP30	Camera Mount Arm	\$160.00	\$320.00	\$68.00	1.5	3	\$204.00
2	ACC7-ENT	CCTV License	\$188.50	\$377.00	\$68.00	0	0	\$0.00
2	8.0C-H5A-BO1-IR	8MP Bullet Camera	\$975.00	\$1,950.00	\$68.00	4	8	\$544.00
2	H4-BO-JBOX1	Bullet Camera Back Box	\$58.50	\$117.00	\$68.00	1	2	\$136.00
1	NV-FLX-LK	Flex Link Adapter	\$264.99	\$264.99	\$68.00	1	1	\$68.00
			Material	\$3,028.99			14	\$952.00

Tax \$234.75 Labor \$952.00 Subtotal \$4,215.74 15% \$632.36 Total \$4,848.10

Cost Summary

Nobel	\$5,024.74
Pepper Canyon	\$7,899.82
Voigt	\$6,370.18
Executive	\$20,944.45
UTC	\$18,481.99
VA	\$2,462.46
Tecolote	\$12,125.26
Balboa	\$14,095.16
Clairemont	\$4,848.10

Total \$92,252.16

Respectfully Submitted,

Daniel Brault President



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101-7490 (619) 231-1466 • FAX (619) 234-3407

Agenda Item No. 15

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM **BOARD OF DIRECTORS**

June 17, 2021

Draft for

Executive Committee

Review Date: 06/10/2021 SUBJECT:

KEARNY MESA DIVISION (KMD) HOISTS CONSTRUCTION - 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. PWB317.0-20 (in substantially the same format as Attachment A), with Western Pump Inc., a Small Business (SB), for KMD Hoists Construction in the amount of \$4,213,648 plus 10% contingency, for a total of \$4,635,012.80.

Budget Impact

The total cost of this project shall not exceed \$4,635,012.80 (\$4,213,648.00 plus \$421,364.80 in contingency) over the duration of the construction services consisting of the following:

DESCRIPTION	BID AMOUNT	BID W/CONTINGENCY
Base – Executing	\$1,609,106.00	\$1,770,016.60
Add Alternate 1 – Executing	\$403,508.00	\$443,858.80
Add Alternate 2 – Executing	\$296,780.00	\$326,458.00
Add Alternate 3 – Executing at a later date.	\$1,862,535.00	\$2,048,788.50
Bid Bond - Executing	\$41,719.00	\$45,890.90
Grand Total Incl. Add Alternates	\$4,213,648.00	\$4,635,012.80
Total to Execute Now	\$2,351,113.00	\$2,586,224.30









This project is funded by MTS Capital Improvement Projects (CIP) as follows:

CIP/COST CENTER NUMBER	CIP DESCRIPTION	AMOUNT
CIP 3006110401	KMD Shop Hoists	\$2,586,224.30
Proposed FY23 CIP	KMD Shop Hoists	\$2,048,788.50
	Total	\$4,635,012.80

DISCUSSION:

The KMD Bus Maintenance Facility was constructed in 1988. Currently there are thirteen (13) in-ground hydraulic lifts that are used to service MTS buses. These lifts are original installation, antiquated, obsolete and past their useful life. The original equipment manufacturer is defunct and original parts are no longer available. Newer, safer, more efficient and more environmentally sound equipment is available to replace these lifts.

The base bid of this project includes the complete removal and replacement of five lifts at KMD in Bays 1, 2, 3, 13, and 14.

In order to ensure the base bid work could be completed within budget and schedule, to minimize operational impacts to the site, and to maximize agency use of capital funds, the project was split into base bid work and several add alternates. These add alternates are additional improvements associated with the base bid work. A description of the add alternates are as follows:

Add Alternate 1

Work will include complete removal and replacement of Bay 12 three tiered inground axle hoist.

Add Alternate 2

Work will include the complete removal and replacement of Bay 11 in-ground two hoists platform lift with a flush mounted scissor lift which will boost facility capacity in this bay to allow work on 60' articulating buses.

Add Alternate 3

Work will include the complete removal and replacement of Bay 4, 5, 6, 9, 10 and tire shop single axles hoists with new upgraded systems. This contract option can be executed immediately after CIP board approval in FY23 with no impact to project schedule

On March 25, 2021, staff issued an Invitation for Bids (IFB). During the IFB process, MTS received a Request for Approved Equal (RFA) from a potential bidder, Auto Lift Services. The RFA was denied on the grounds that the proposed alternative did not meet the required electrical specifications, and MTS currently has an Auto Lift product in service, which has performed poorly over a one-year period. Auto Lift Services has appealed that decision which has also been rejected. Auto Lift Services did not submit a bid for this project. The following bids were received:

KMD HOIST CONSTRUCTION							
COMPANY NAME	CERTIFICATIONS	BID AMOUNT					
Western Pump	SB	\$4,213,648.00					
Makai Solutions	SB	\$4,568,972.32					
Southwest Lift & Equipment	SB	\$4,698,129.58					
Air and Lube Systems Inc.	Disadvantaged Business Enterprise (DBE)	\$4,846,629.60					
MTS Independent Cost Estimate (ICE)		\$4,165,626.00					

Based on the bids received, and in comparison, with the ICE, MTS staff recommends awarding the Base Bid, Add Alternate 1 and 2 with Western Pump Inc. Staff determined the price to be fair and reasonable. If future CIPs include funding for the remaining Add Alternate 3, staff may execute Add Alternate 3 at a future date.

Therefore, staff recommends that the MTS Board authorize the CEO to execute MTS Doc. No. PWB317.0-20 (in substantially the same format as Attachment A), with Western Pump Inc. for KMD Hoists Construction in the amount of \$4,213,648.00 plus 10% contingency for a total of \$4,635,012.80.

/s/ Sharon Cooney

Sharon Cooney
Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, Julia.Tuer@sdmts.com

Attachments: A. Draft Agreement PWB317.0-20

B. Bid Price Form



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101 Tel 619.231.1466 Fax 619.234.3407

STANDARD CONSTRUCTION AGREEMENT

FOR

MTS DOC. NO. PWB317.0-20

KMD HOISTS CONSTRUCTION

THIS AGREEMENT is entered int	o this c	lay of	2020, in the State of
California by and between San Dieg and the following, hereinafter referre	•	•	n ("MTS"), a California public agency,
Name: Western Pump Inc.		Address:	3235 F St.
			San Diego, CA 92102
Form of Business: <u>Corp.</u> (Corporation, Partnership, Sole P	oprietor, etc.)	Email :	ryanr@westernpump.com
Telephone:		•	
Authorized person to sign contracts	Ryan Reth Name		President 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

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:

KMD HOISTS CONSTRUCTION

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.



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 Base Work required by the Contract Documents within 120 calendar days, from the commencement date stated in the Notice to Proceed. The Contractor shall complete all Add Alternative 1 Work required by the Contract Documents within 120 calendar days, from the commencement date stated in the Notice to Proceed. The Contractor shall complete all Add Alternative 2 required by the Contract Documents within 120 calendar days, from the commencement date stated in the Notice to Proceed. The Contractor shall complete all Add Alternative 3 required by the Contract Documents within 120 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.

DESCRIPTION	AMOUNT
Base – Executing	\$1,609,106.00
Add Alternate 1	\$403,508.00
Add Alternate 2	\$296,780.00
Bid Bond	\$41,719.00

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 _two million three hundred fifty one thousand one hundred thirteen Dollars (\$ 2,351,113.00). 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	WESTERN PUMP INC.
By:	
Sharon Cooney, Chief Executive Officer	Ву
Approved as to form:	
By:	Title:
Karen Landers, General Counsel	

MTS Shop Hoists Design - Bid Price Form Summary Page (see other sheets for detail)

BID ITEM	DESCRIPTI ON	TOTAL COST	
\$1	Base Bid Total Cost	\$1,609,106.00	
S2	Additive Alternative 1 Total Cost	\$403,508.00	
S3	Additive Alternative 2 Total Cost	\$296,780.00	
S4	Additive Alternative 3 Total Cost	\$1,862,535.00	
34	BID BOND	\$41,719.00	
	GRAND TOTAL (BASIS OF AWARD)	\$4,213,648.00	

MTS Shop Hoists Design Base Bid - Bid Form

ITEM	DESCRIPTI ON	QUANTIT Y	UNIT	UNIT COST	EXTENDED COST
				General	
1.0	Mobilization	1	LS	\$86,408.00	\$86,408.00
2.0	Temporary Storm Wat	1	LS	\$8,601.00	\$8,601.00
				Existing Conditions	
3.0	Mechanical, Plumbing	1	LS	\$50,761.00	\$50,761.00
	Electrical Demolition	1	LS	\$5,821.00	\$5,821.00
	Structural Demolition	1	LS	\$105,649.00	\$105,649.00
2.10				Concrete	
6.0	Equipment Foundation	1	LS	\$230,411.00	\$230,411.00
	Slab-on-grade/Equipm		LS	\$108,025.00	\$108,025.00
710				Specialties	
8.0	Epoxy Flooring	5,564	SF	\$12.39	\$68,938.00
	Safety Signage	15	EA	\$83.00	\$1,245.00
	Floor Striping	1	LS	\$5,963.00	\$5,963.00
10.0				Equipment	
11.0	Contractor Furnished	1	LS	\$813,429.00	\$813,429.00
	Owner Furnished/Con		LS	\$16,261.00	\$16,261.00
				Plumbing	
13.0	Plumbing Systems	1	LS	\$53,333.00	\$53,333.00
	Compressed Air System	1	LS	\$13,471.00	\$13,471.00
2.110				Electrical	
15.0	Modify Existing Panell	1	LS	\$4,902.00	\$4,902.00
	Power Distribution	1	LS	\$35,888.00	\$35,888.00
10.0		SUB	TOTAL		\$1,609,106.00
	Pa	yment / Per	formance	e Bond	\$16,091.00
			D TOTAL		\$1,625,197.00

MTS Shop Hoists Design Additive Alternate 1 - Bitt Forth 15, 06/17/2021

ID ITEM	DESCRIPTI ON	QUANTITY	UNIT	UNIT COST	EXTENDED COST
			General		
1.0	Mobilization	1	LS	\$19,586.00	\$19,586.00
	Temporary Storm Wat	1	LS	\$1,456.00	\$1,456.00
		Existin	ng Condition:	s	
3.0	Mechanical, Plumbing	1	LS	\$12,151.00	\$12,151.00
	Electrical Demolition	1	LS	\$2,866.00	\$2,866.00
	Structural Demolition	1	LS	\$22,072.00	\$22,072.00
			Concrete		
6.0	Equipment Foundation	1	LS	\$55,263.00	\$55,263.00
	Slab-on-grade/Equipm	1	LS	\$29,052.00	\$29,052.00
		S	pecialties		
8.0	Epoxy Flooring	1,150	SF	\$13.60	\$15,640.00
	Safety Signage	1	EA	\$180.00	\$180.00
	Floor Striping	1	LS	\$1,988.00	\$1,988.00
		E	quipment		
11.0	Contractor Furnished	1	LS	\$206,857.00	\$206,857.00
	Owner Furnished/Con	1	LS	\$0.00	\$0.00
			lumbing		
13.0	Plumbing Systems	1	LS	\$13,421.00	\$13,421.00
	Compressed Air Syster	1	LS	\$2,718.00	\$2,718.00
			Electrical		The state of the s
15.0	Modify Existing Panell	1	LS	\$1,975.00	\$1,975.00
	Power Distribution	1	LS	\$18,283.00	\$18,283.00
10.0		SUB TOTAL	•		\$403,508.00
	Pa	ayment / Performan	ce Bond		\$4,035.00
		GRAND TOTAL			\$407,543.00

MTS Shop Hoists Design Additive Alternate 2 - Bid Form

BID ITEM	DESCRIPTI ON	QUANTIT Y	UNIT	UNIT COST	EXTENDED COST
			Gene	ral	
1.0	Mobilization	1	LS	\$17,977.00	\$17,977.00
2.0	Temporary Storm Wat	1	LS	\$1,456.00	\$1,456.00
		E	xisting Co	nditions	
3.0	Mechanical, Plumbing,	1	LS	\$18,960.00	\$18,960.00
	Electrical Demolition	1	LS	\$2,866.00	\$2,866.00
	Structural Demolition	1	LS	\$16,572.00	\$16,572.00
		الحاقاة	Concr	ete	
6.0	Equipment Foundation	1	LS	\$7,818.00	\$7,818.00
	Slab-on-grade/Equipm		LS	\$16,991.00	\$16,991.00
7.0	person on Or many market Policy		Specia	Ities	
8.0	Epoxy Flooring	1,150	SF	\$14.46	\$16,629.00
9.0	Safety	1	EA	\$90.00	\$90.00
10.0	Floor	1	LS	\$1,988.00	\$1,988.00
			Equipr	nent	
11.0	Contractor Furnished a	1	LS	\$164,041.00	\$164,041.00
	Owner Furnished/Con	1	LS	\$0.00	\$0.00
			Plumi	bing	
13.0	Plumbing Systems	1	LS	\$15,984.00	\$15,984.00
	Compressed Air Syster	1	LS	\$2,751.00	\$2,751.00
	MARK TO THE REST		Electi	rical	
15.0	Modify Existing Panell	1	LS	\$1,643.00	\$1,643.00
	Power Distribution	1	LS	\$11,014.00	\$11,014.00
			\$296,780.00		
	Paymen	d	\$2,968.00		
			\$299,748.00		

MTS Shop Hoists Design Additive Alternate 3 - Bid Form

ID ITEM	DESCRIPTI ON	QUANTITY	UNIT	UNIT COST	EXTENDED COST	
		General				
	Mobilization	1	LS	\$90,497.00	CO0 407.0	
2.0	Temporary Storm Water Pollution	1	LS	\$3,273.00		
		Existing Conditio	ns	\$3,273.00	\$3,273.0	
3.0	Mechanical, Plumbing, Industrial/	1	LS	\$51,315.00	ĆE1 31E 0	
	Electrical Demolition	1	LS	\$15,025.00		
5.0	Structural Demolition	1	LS	\$116,341.00		
		Concrete		9110,541.00	\$116,341.0	
6.0	Equipment Foundation (include e	1	LS	\$212,746.00	¢242.746.04	
7.0	Slab-on-grade/Equipment pads	1	LS	\$128,542.00	7-2277 10.00	
		Specialties	1 25	\$120,342.00	\$128,542.00	
8.0	Epoxy Flooring	6,444	SF	\$12.11		
	Safety Signage	17	EA	\$89.00	\$78,037.00	
10.0	Floor Striping	1	LS		\$1,513.00	
		Equipment		\$6,142.00	\$6,142.00	
11.0	Contractor Furnished and Installe	1	LS	\$1,002,576.00	Ć4 000 pp	
12.0	Owner Furnished/Contractor Inst	1	LS	\$0.00	\$1,002,576.00	
		Plumbing		\$0.00	\$0.00	
	Plumbing Systems	1	LS	\$71,251.00	A74 00 1 4	
14.0 C	Compressed Air System	1	LS	\$19,560.00	\$71,251.00	
		Electrical		\$13,560.00	\$19,560.00	
	Modify Existing Panelboards	1	LS	\$5,049.00	d= 0.00 a=	
16.0 P	ower Distribution	1	LS	\$60,668.00	\$5,049.00	
		\$60,668.00				
		1,862,535.00 18,625.00				
	GRAND TOTAL					
				Ş	1,881,160.00	



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Agenda Item No. 16

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BOARD OF DIRECTORS

Draft for

June 17, 2021

Executive Committee

Review Date: 06/10/2021

SUBJECT:

PRINTED CIRCUIT BOARDS (PCBs) AND ELECTRONIC COMPONENTS FOR LIGHT RAIL VEHICLES (LRVs) – SOLE SOURCE 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. L1572.0-21 (in substantially the same format as Attachment A), a Sole Source award to Siemens Mobility Inc., to provide PCBs and Electronic Components for LRVs as further described in the attached list (Attachment B), in the amount of \$14,600,000 for a seven (7) year period from July 1, 2021 to June 30, 2028.

Budget Impact

The total budget for this project shall not exceed \$14,600,000. This project is funded by the LRV Maintenance Budget 350016-545100.

DISCUSSION:

San Diego Trolley, Inc. (SDTI) requires an agreement for the purchase and repair of PCBs and electronic components for Siemens' LRV models: SD100, S70 and S70us. These critical components determine the acceleration/de-acceleration rates and speed of the vehicle, and as such are considered safety critical.

This is a Sole Source award to Siemens, the sole supplier and repairer for these components. The commissioning and subsequent safety certification of the vehicles was performed with these components on board, and any deviation from the original design would require extensive and expensive re-testing and safety certification of the system and approval by California Public Utilities Commission.

Substitutions increase risk of damage to equipment, injury to employees or passengers and potential loss of life.



In addition, SDTI has neither the qualified personnel nor the facilities to make repairs to these highly technical and complicated electronic components.

SDTI has used other vendors to make repairs to non-safety critical electronic systems of the LRV fleet, however, in this case the board components are considered safety critical items that are designed and manufactured by Siemens, and all drawings and specifications are proprietary. Any repairs made by other companies would have to be reverse engineered, compromising the reliability of its design and possible compromising safety of operations as well.

Siemens offers the refurbished part supply, Unit Exchange (UTEX) program to support the need for replacement PCBs and electronic components throughout the transit industry. This program offers pricing for purchasing as new, core exchange or repair/return. At MTS, parts are used on an as-needed basis as repairs are completed and stock room inventory levels are depleted.

Siemens has established standard pricing for these components in order to ensure fair and equal pricing throughout the North American transit market based on each agency's needs. As PCBs and electronic components parts are needed, a purchase order will be issued based on the proposed unit pricing. Based on MTS's historical costs, a forecasted not-to-exceed amount of \$14,600,000 for the seven years should meet the needs of the project. In addition, MTS staff negotiated an increase based on material and labor indexes capped at 3%, estimates for future years include a 3% increase for budgeting purposes.

Therefore, staff recommends that the MTS Board authorize the CEO to execute MTS Doc. No. L1572.0-21, a Sole Source award to Siemens Mobility Inc., to provide PCBs and electronic components for LRVs, in the amount of \$14,600,000 for a seven (7) year period from July 1, 2021 to June 30, 2028.

<u>/s/ Sharon Cooney</u> Sharon Cooney

Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, <u>Julia.Tuer@sdmts.com</u>

Attachments: A. Draft Standard Agreement MTS Doc. No. L1572.0-21

B. Scope of Work

C. Pricing



1255 Imperial Avenue, Suite 1000 San Diego, CA 92101 Tel 619.231.1466 Fax 619.234.3407

STANDARD AGREEMENT FOR MTS Doc No: L1572.0-21

PRINTED CIRCUIT BOARDS & ELECTRONIC COMPONENTS FOR LIGHT RAIL VEHICLES

TRINTED ORGOTT BOARDO & ELECTRONIO	COMPONENTS FOR EIGHT RAIL VEHICLES
THIS AGREEMENT is entered into this California by and between San Diego Metropolitan T and the following, hereinafter referred to as "Contract	ransit System ("MTS"), a California public agency
Name: Siemens Mobility, Inc.	Address: 5301 Price Avenue McClellan, CA 95652
Form of Business: Corporation (Corporation, Partnership, Sole Proprietor, etc.)	Email: reiner.g.martin@siemens.com
Telephone: (916) 273-2960	-
Authorized person to sign contracts Reiner I	
Nan	ne Title
Standard Agreement, including Standard Conditions Forms (Exhibit E). The contract term is effective July 1, 2021 through July Payment terms shall be net 30 days from invoice da \$14,600,000 without the express written consent of Management.	une 30, 2028. ate. The total cost of this contract shall not exceed
SAN DIEGO METROPOLITAN TRANSIT SYSTEM	SIEMENS MOBILITY, INC
By: Sharon Cooney, Chief Executive Officer	Ву
Approved as to form:	
Ву:	Title:
Karen Landers, Office of General Counsel	



LIGHT RAIL VEHICLE PRINTED CIRCUIT BOARDS PURCHASE, REPAIR & EXCHANGE (UTEX)

1.1. SCOPE OF WORK

The San Diego Metropolitan Transit System (MTS), on behalf of San Diego Trolley, Inc., (SDTI) is inviting Siemens ("Contractor") to submit firm fixed pricing for Light Rail Vehicle (LRV) Printed Circuit Boards (PCBs) as described in the attached list for a period of seven (7) years from July 1st, 2021.

A. General Overview:

MTS requires the purchase, exchange and repair of Propulsion and Auxiliary Power related Electronics and PCBs for Contractor' LRV models: SD100 up to end of approximately 2025 for the last car, S70 and S70us, SD8, SD9 and SD10s as listed in Exhibit B. The description provided for each part represents MTS minimum technical requirements.

MTS requests the Contractor to expand the percentage of UTEX exchange or new in-stock material across the components under this contract to represent an aggregated minimum of 70% availability, by volume per the service level provided in Exhibit B. The remaining 30% may consist of either New out of stock material and/or Repair options that make up the balance of the contracted volume.

The maximum material that will be supplied per year will reflect up to 100% of the initial consumption forecast provided. Upon depletion of the annual allocation, the minimum time before stock will be reallocated will be up to one year or the standard lead time per component for new or UTEX.

In the event that MTS consumption may exceed the annual forecast threshold, the Contractor may backfill those quantities with either New or Repair components on a like part number basis. Additionally, consumption exceeding the 100% annual forecast threshold may be fulfilled utilizing common UTEX material not specifically allocated to MTS, when available. If MTS forecasts an expected increased consumption, MTS may order additional material beyond the annual forecast threshold at any time. Any orders beyond the 100% annual forecast threshold will not be subject to liquidated damages or guaranteed shipping times, and will be subject to the standard lead time.

For components where the Contractor currently has insufficient float levels to support the required exchange thresholds, MTS requests the Contractor to increase its pool stocking levels and provide a ramp up period for each component under this contract so that the stock levels shall accommodate the minimum 70% exchange or new in-stock availability requirement.

The ramp up period will include all components with the exception of all SD100 components and will have a ramp up period not to exceed 12 months from the execution of the contract and the Contractor shall communicate to MTS the required float levels to facilitate a 100% exchange or new in-stock supply program based off MTS forecast requirements and the lead times for repair across each component at the commencement of the contract.

For the avoidance of doubt, the monthly exchange or new in-stock part volume threshold shall not exceed 110% of the average 12-month fixed forecast. Where the consumption exceeds this amount, the Contractor may at its discretion revert to the repair option until the following month. In the event of increased usage as requested by MTS, Contractor may order additional components to match the provided forecast adjustment. Lead times for any new material will have a ramp-up period not to exceed 12 months. Any material that exceeds the latest volume threshold

shall not be subject to liquidated damages. Adjustments to the annual fixed material forecast will not take place until the annual review.

B. Contractor's Service Levels and Pricing Proposal:

Contractor shall provide pricing options as follows for the items listed in Exhibit B:

i. Service Level: New Supply

Pricing shall be as per the price list supplied by the Contractor in Exhibit B.
 These items shall be shipped from stock within 5 business days according to and up to the initial fixed consumption forecast provided.

ii. Service Level: UTEX

- UTEX core exchange shall be shipped from stock within 5 business days as per the price supplied by the Contractor in Exhibit B. These items shall be shipped from stock after receipt of a defective core by the Contractor.
- Ocores returned to the Contractor must have a clearly marked project identifier on the shipment container to ensure priority receiving. Any turnaround metric is contingent on the correct board being shipped by MTS and a corresponding correct purchase order. Material exceeding 70 lbs. will have additional handling time and will not be subject to liquidated damages.

iii. Service Level: SD100

- Contractor will provide best efforts to support stocking requirements.
- A thorough review of Contractor and MTS float will be necessary to update quantities. Contractor and MTS shall review the Contractor's and MTS's total available float material, the MTS material forecasts, and the MTS SD100 vehicle retirement plan on a 12-month basis to optimize support.
- All SD100 material will not be subject to liquidated damages.

iv. Service Level: New Out-Of-Stock and Repair

o Pricing and lead times shall be provided on demand as needed.

If a returned component is found to be unrepairable, a new, exchange or refurbished replacement will be made available within the designated material ramp up time as indicated in Exhibit B. The Contractor will provide a quote to replenish unrepairable MTS float material at a discounted rate. Any catastrophic failure will be handled under standard Siemens repair and replacement procedures separate from this contract. For catastrophic failures, an assessment will take place to determine if repair is possible or if a new replacement component is recommended. New unit and repair pricing to address catastrophic failures are not subject to pricing and terms under this contract and will be handled on a case-by-case basis.

In the event material included within this contract are subject to discontinuation, a last time purchase will be offered to MTS for an amount that covers a 6-month consumption quantity. In addition, the Contractor shall provide MTS with an advanced 6-month notice on items deemed for obsolescence and provide the replacement part details, source and pricing.

To ensure total compatibility with existing equipment nothing less than the parts described or an approved equivalent between MTS and the Contractor will be accepted by MTS for its needs.

PCBs requiring software shall have the current applicable software version installed prior to delivery to MTS.

C. Price and Payment

The total price herein specified, unless otherwise expressly stated, shall include all taxes of any kind which either party is required to pay with respect to the sale of the goods covered by this Agreement, including sales and use taxes, and shall include all charges and expenses for customs duties, freight charges, inspection, testing, packaging and loading unless specifically excluded. It is agreed the Contractor contract price list does not include sales tax, and this will be calculated and added to the price contained in the annual price list, via normal business process between MTS and Contractor.

Price is subject to annual escalation based on the lower of the material and labor Escalation Factor as indicated below or 3%, and currency Escalation Factor. Pricing adjustments due to currency index adjustments are not subject to a maximum cap. If market conditions change due to legislative action or other reasons that result a significant fluctuation in unit part price of 10% or greater and where this change is industry wide, MTS and Contractor will review evidence of the escalation and determine the appropriate rate of escalation for the affected parts.

The Escalation Factor will be based on an agreed upon annual material price index for railroad manufacturers, annual labor price index for railroad manufacturers, and annual currency exchange rate between United States Dollars and Euros.

The Escalated Payment Amount for each contract year will be calculated utilizing index values specified on June 1st, or the next closest date in which index values are available, during each contract year based on the formulas below, and will take effect on July 1st of each contract year.

$Escalation\ Factor_{(Material+Labor)}$

$$=\overline{\left(\frac{\textit{Material Index Value at Time of Escalation}}{\textit{Material Index Value from Prior Year}}, \frac{\textit{Labor Index Value at Time of Escalation}}{\textit{Labor Index Value from Prior Year}}\right)_{(\textit{Average}, 3\% \ \textit{Cap})}}$$

$$\textbf{\textit{Escalation Factor}}_{(\textit{Currency})} = \left(\frac{\textit{EUR to USD Conversion Rate at Time of Escalation}}{\textit{EUR to USD Conversion Rate from Prior Year}}\right)_{(\textit{Uncapped})}$$

$$Escalation \ Factor_{(Total)} = \overline{\left(Escalation \ Factor_{(Material + Labor)}, Escalation \ Factor_{Currency}\right)_{(Average)}}$$

Escalated Payment Amount = Payment Amount \times Escalation Factor_(Total)

If the Bureau of Labor Statistics discontinues the selected indexes, MTS and the Contractor shall mutually agree on an appropriate substitute index published by the Bureau of Labor Statistics. In

the event that the index is rebased by the Bureau of Labor Statistics, MTS and the Contractor agree to accept the rebased index.

D. Packaging:

All parts must be packaged individually in boxes designed to occupy the least amount of shelf space as possible without damage to the materials. The box must be clearly and visibly labeled with a decal showing "UTEX" and the product part number.

E. Purchase Orders (PO):

Orders will be placed by the MTS Purchasing Department only. All Purchase Orders (POs) must be delivered F.O.B. to SDTI, 1341 Commercial St. as indicated on the PO, unless otherwise specified by SDTI. All shipments made against a PO must be accompanied by a packing slip referencing the PO number.

F. Delivery:

All quantities up to 100% of the MTS annual forecast shall be shipped out within 5 business days of receiving the core exchange return. Any quantities that exceed the above forecast shall be delivered as per the condition available and lead time listed under the price list.

All orders must be shipped complete within this time frame unless otherwise approved.

Contractor will be notified by phone, e-mail, or fax of all shipping discrepancies. It is the Contractor's responsibility to handle all claims with the shipper, provide proof of deliveries, and correct discrepancies within five (5) working days of notification by SDTI.

G. Acceptance:

Deliverables provided under this contract shall be delivered complete and ready for operation, and the Contractor shall assume all responsibility and risk of loss incident to said delivery until receipt by MTS.

Contractor will not be held liable for failure to make delivery because of strikes, government regulations, acts of God or any other causes beyond their control, provided a written request for an extension of time is submitted to MTS with sufficient detail to justify such extension.

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 return products are found in conformance, MTS shall immediately approve the Contractor's invoice for payment; thereby constituting acceptance.

Payment terms begin from the date of acceptance not to exceed 5 business days from the actual delivery date. 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 either correct the deficiencies or supply new items or products within 15 business days from the return date (at the discretion of MTS), and resubmit for inspection and testing (where necessary).

H. Damaged or Defective Material:

Any materials delivered damaged or with a defect in packaging or manufacture that precludes the use of the materials for its intended purpose will be returned to the Contractor. If the part is found to be damaged upon receipt, the Contractor will make best effort to deliver the replacement item within 10 business days from the date of receipt of the return into its facilities. SDTI may request, at their discretion, a credit in full or a replacement in full. Any additional costs incurred by SDTI related to the return such as freight, packaging, or re-stocking, will be reimbursed by the Contractor.

1.2. ADDITIONS AND CHANGES

The SDTI Director of Maintenance or designee shall approve any additions or changes to parts across the contract. It is the Contractor's responsibility to notify the MTS Purchasing Department of the approved additions or changes who will then confirm with the SDTI Director of Maintenance prior to amending the contract. The Contractor will be notified and provided with a formal copy of the amendment notice to verify the change order once completed. Changes are not effective until confirmed by an executed amendment.

All requested changes to the annual forecast, whether an increase or decrease, will require a review of and potential adjustment of pricing, support levels, and stocking levels for common and MTS specific material. If MTS decreases or eliminates the annual forecast for material which has been purchased and stocked by the Contractor, MTS will be responsible for purchasing the difference in stocked materials on an annual basis per End of Contract Documentation section.

1.3. PAYMENT TERMS

Unless otherwise stated in the specifications or bid forms, one hundred (100%) of the contract price for each unit or units of material or equipment furnished and delivered under these specifications, will be paid to the Contractor within thirty (30) days after delivery to and acceptance by MTS of the unit or units ordered, as herein provided, and after the statements covering the unit or units have been presented to MTS by the Contractor.

Cash discounts as shown on the bid form shall be accepted at the option of MTS. Otherwise the terms will be Net thirty (30) from acceptance. Payment terms less than ten (10) days from acceptance will not be considered. <u>Advanced Payment is Not Allowable</u>

1.4. INVOICES

Invoices must be sent to the MTS Accounting Department at <u>AP@sdmts.com</u>. All invoices must have the PO number, contract number and SDTI item 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.

1.5. KEY PERFORMANCE INDICATORS (KPI)

There will be 3 Key Performance Indicators to measure the performance of this contract:

- A. On Time Shipment from Stock
- B. Percentage of Purchase Options
- C. Quality Acceptance

Siemens will be responsible for supplying KPI's on a monthly basis per the methodology below.

A. On Time Shipment from Stock

- a. This KPI will be measured in the following way, per the service level provided on Exhibit B.
 - New Supply: On Time Shipment for New Orders will be calculated from the date of creation of the Sales Order to the date the New material is shipped from a Siemens warehouse. The target for this KPI will be 5 days.
 - ii. UTEX: On Time Shipment for UTEX Orders will be calculated from the day that the defective core material is received at a Siemens warehouse to the date the UTEX material is shipped from a Siemens warehouse. The target for this KPI will be 5 days.
 - iii. Repair and Return: Repair only material will be calculated from the day that the defect material is received at a Siemens warehouse to the date the UTEX material is shipped from a Siemens warehouse. Exhibit B denotes this KPI, measured in days, for repair material by line item.

B. Percentage of Purchase Options

a. This KPI will be measured by the percentage of volume (number of materials) shipped per month in accordance with each defined Service Level.

C. Quality Acceptance

a. For this KPI, acceptance of shipment is considered in accordance with defined quality standards. MTS is responsible for informing Siemens of any material that is not in accordance with the quality standards within 5 business days of delivery. This KPI is calculated as a total percentage of material shipped.

1.6. LIQUIDATED DAMAGES

The Parties agree that time is of the essence under this contract. With respect to any Good(s) that is(are) not delivered in accordance with the applicable guaranteed shipment date set forth above, the Contractor agrees to apply the following percentage price adjustment discounts to the price of affected goods.

Duration	Adjustment
1 to 10 days late relative to guaranteed shipment date	Discount Equal to 5% of Good(s) Price
11 to 20 days late relative to guaranteed shipment date	Discount Equal to 10% of Good(s) Price
21 to 30 days late relative to guaranteed shipment date	Discount Equal to 15% of Good(s) Price
More than 30 days late relative to guaranteed shipment	Discount Equal to 20 % of Good(s)
date	Price

In the event of Contractor's failure to deliver Goods in accordance with the applicable guaranteed shipment date Contractor will reduce price or create a transaction credit by corresponding percentage, at the customer's sole discretion. Liquidated Damages will not be assessed for late delivery of parts for which consumption is higher than the originally forecasted demand over the lead time period or delivery is otherwise excused in accordance with Section 1.1-G. Except for the discounts set forth above, Contractor will not be liable to MTS for any consequential, special, incidental or punitive damages (including any loss of profit or revenue) due to Contractor's failure to deliver Goods in accordance with

the applicable guaranteed delivery date. Applicability of Liquidated Damages per line item is detailed in End of Contract Obligations and Liquidated Damages Applicability section.

1.7. END OF CONTRACT TERM OBLIGATIONS

A. Contract Demobilization

Contractor agrees to fully cooperate by taking all measures necessary as directed by MTS in order to secure continuity of MTS's operations at the expiration of the Contract. Specifically, MTS and the Contractor shall agree upon a demobilization plan which will take effect six months prior to the last day of the Term. This six month period prior to expiration of the contract shall be referred to as the "Demob Period". As part of this demobilization plan, within the first week of the Demob Period, Contractor shall provide MTS with a list of all MTS- contracted parts, including quantities, and lead times, that Contractor has on hand, in inventory or on order. MTS and the Contractor shall consult together and reach agreement on which Goods (Parts) Contractor will continue to order into inventory and which Goods will be consumed and not be reordered. If there are previously ordered Goods or Goods that are ordered during the Demob Period that are not scheduled to be delivered to MTS until after the contract expiration date, Contractor shall assign the purchase orders/contracts for such Goods to MTS or the successor Contractor as directed by MTS, at the current contracted price.

B. Warehouse Stocked Parts - Purchase Commitment

During the six-month period prior to the last date of the Term, MTS and the Contractor will review the disposition of any stock allocated for the Contract.

Within 6 months of the expiration of the Contract, MTS and/or Successor, as directed by MTS, shall be responsible to purchase 100% of stocked items which are specific only to MTS vehicles and/or specifically requested to be stocked by MTS.

Within 6 months of the expiration of the Contract, MTS and/or Successor, as directed by MTS, shall be responsible to purchase the specific percentage of the market share of parts and materials that are common to other transit agency fleets.

Details regarding MTS specific stocked material and shared material market share are provided in End of Contract Obligations and Liquidated Damages Applicability section.

Any contract extension between MTS and the Contractor with an equal or higher quantity of the identical materials will be transferred to the new contract, offsetting the MTS purchase commitment for those materials.

Forecasted Contract Value

Material	Material Description	7/1/21 to 6/30/22	2021 Unit cost	2021 total	7/1/22 to 6/30/23	2022 Unit cost	2022 total
70155531	PCB C051 C059 Digital Iface SD100 (UTEX)	1	\$5,974.00	\$5,974.00	2	\$6,153.22	\$12,306.44
70155549 70155564	PCB C027,MC Memory SD100 (UTEX) PCB C097 C115 Pwr Convtr - SD100 (UTEX)	4	\$3,164.00	\$12,656.00	<u>5</u>	\$3,258.92 \$4,774.05	\$16,294.60 \$9,548.10
70166587	PCB C019 CPU Module (486) SD7 (UTEX)	1	\$4,635.00 \$7,449.00	\$4,635.00 \$7,449.00	2	\$4,774.05 \$7,672.47	\$9,548.10 \$15,344.94
70166595	PCB C003 TCN Gateway VCU SD7 (UTEX)	8	\$8,748.00	\$69,984.00	7	\$9,010.44	\$63,073.08
70166637	PCB G047 5V±15V VCU SD7 (UTEX)	2	\$2,682.00	\$5,364.00	2	\$2,762.46	\$5,524.92
70166660	PCB C031 MVB32 VCU SD7 (UTEX)	3	\$7,568.00	\$22,704.00	4	\$7,795.04	\$31,180.16
70166694	PCB C039 Multi In/Output VCU SD7 (UTEX)	2	\$6,192.00	\$12,384.00	3	\$6,377.76	\$19,133.28
70185793	APS AUX PWR Supply - SD8 (UTEX)	15	\$0.00	\$100,000.00	15	\$0.00	\$100,000.00
70187823 70188391	PCB G011 Output Pulse AMP SD100 (UTEX) PCB Board GTO Firing SD100 (UTEX)	2	\$4,845.00	\$9,690.00	3	\$4,990.35	\$14,971.05
70188516	ICU (A90)(A91) Invt Cntl Unit SD7 (UTEX)	9 3	\$4,845.00 \$0.00	\$43,605.00 \$0.00	10 4	\$4,990.35 \$0.00	\$49,903.50 \$0.00
70188730	PCB C035 C043 Chopper Ctrl SD100 (UTEX)	2	\$5,585.00	\$11,170.00	3	\$5,752.55	\$17,257.65
70188748	PCB C083 Cntr Sys Monitor SD100 (UTEX)	3	\$3,715.00	\$11,145.00	3	\$3,826.45	\$11,479.35
70188755	PCB C133 Pwr Sup Convtr - SD100 (UTEX)	1	\$4,635.00	\$4,635.00	2	\$4,774.05	\$9,548.10
70188763	PCB G071 IC Digital Signal SD100 (UTEX)	3	\$6,387.00	\$19,161.00	4	\$6,578.61	\$26,314.44
70188771	PCB G003 Outp Pulse AMP GTO SD100 (UTEX)	4	\$4,845.00	\$19,380.00	5	\$4,990.35	\$24,951.75
70188789 70188805	PCB G111 Output Measure AMP SD100 (UTEX) PCB G079 Input Train Cntr SD100 (UTEX)	1 1	\$4,267.00 \$5,585.00	\$4,267.00 \$5,585.00	2	\$4,395.01 \$5,752.55	\$8,790.02 \$11,505.10
70188813	PCB G063 ICD Signal GNLS SD100 (UTEX)	1	\$6,387.00	\$6,387.00	2	\$6,578.61	\$13,157.22
70188821	PCB C067 In/Output Digtal - SD100 (UTEX)	1	\$6,546.00	\$6,546.00	2	\$6,742.38	\$13,484.76
70188839	PCB G103 Input Temp Convert SD100 (UTEX)	1	\$4,997.00	\$4,997.00	2	\$5,146.91	\$10,293.82
70188847	PCB C157 Pwr Start-Up - SD100 (UTEX)	1	\$14,567.00	\$14,567.00	2	\$15,004.01	\$30,008.02
70188854	PCB G087 In/Output Analog SD100 (UTEX)	2	\$4,426.00	\$8,852.00	3	\$4,558.78	\$13,676.34
70188862	PCB G131 Ref Value Convertr SD100 (UTEX)	1	\$5,076.00	\$5,076.00	2	\$5,228.28	\$10,456.56
70196592 70196600	PCB G055 Inp Conv Dig Sgnl SD100 (UTEX) PCB C019 CPU SD100 (UTEX)	2	\$5,585.00 \$5,197.00	\$5,585.00 \$10,394.00	3	\$5,752.55 \$5,352.91	\$11,505.10 \$16,058.73
70196634	DC Link Capacitor C1-C6 SD100 (UTEX)	1	\$5,522.00	\$5,522.00	1	\$5,687.66	\$5,687.66
70197483	Control Unit Inverter ICU - SD8 (UTEX)	18	\$10,188.00	\$183,384.00	20	\$10,493.64	\$209,872.80
70197939	CETAC Power Supply GTO SD100 (UTEX)	1	\$5,522.00	\$5,522.00	1	\$5,687.66	\$5,687.66
70197989	PCB G019 Output Cont Dr SD100 (UTEX)	2	\$4,959.00	\$9,918.00	3	\$5,107.77	\$15,323.31
70198172	PCB C019 Central Processor - SD8 (UTEX)	3	\$4,896.00	\$14,688.00	3	\$5,042.88	\$15,128.64
70198184	PCB G031 RS485 SD7 (UTEX)	1	\$7,400.00	\$7,400.00	2	\$7,622.00	\$15,244.00
70198186 70198230	Compact Invert Unit Kernel SD8/9 (UTEX) G047 PCS 24V-110V/5V/±15V 50W SD8 (UTEX)	8	\$2,682.00 \$20,465.00	\$21,456.00 \$20,465.00	10 1	\$2,762.46 \$21,078.95	\$27,624.60 \$21,078.95
70198231	Line Reactor 3.3 MH/370A Prop SD7 (UTEX)	1	\$3,479.00	\$3,479.00	1	\$3,583.37	\$3,583.37
70198233	PCB C047/SD7,G031/SD8 Bin In Conv (UTEX)	4	\$3,725.00	\$14,900.00	6	\$3,836.75	\$23,020.50
70198234	PCB C055 Output Contactor Drv SD7 (UTEX)	5	\$1,309.00	\$6,545.00	4	\$1,348.27	\$5,393.08
70198235	PCB G039 Converter SD7/SD8 (UTEX)	2	\$3,558.00	\$7,116.00	3	\$3,664.74	\$10,994.22
70198237	C039 EM1 Carrier W ACAN SD8 (UTEX)	2	\$6,192.00	\$12,384.00	3	\$6,377.76	\$19,133.28
70198238 70198239	PCB C055 Multifunction I/O SD8/9 (UTEX) PCB G039 Binary Opt 24-36V/2A SD8/9 UTEX	3 3	\$4,387.00 \$1,309.00	\$13,161.00 \$3,927.00	3	\$4,518.61 \$1,348.27	\$13,555.83 \$4,044.81
70198240	PCB G063 Adapter Converter - SD8 (UTEX)	1	\$1,299.00	\$1,299.00	1	\$1,337.97	\$1,337.97
70198249	Voltage Transducer QPSW SD8 (UTEX)	1	\$1,299.00	\$1,299.00	1	\$1,337.97	\$1,337.97
70198620	Combination Choke L1/L2 SD100 (UTEX)	1	\$9,325.00	\$9,325.00	1	\$9,604.75	\$9,604.75
70198621	C075 Analog Interface - SD100 (UTEX)	2	\$7,139.00	\$14,278.00	3	\$7,353.17	\$22,059.51
70198690	Radial Blower Propulsion SD7 SD8 (UTEX)	4	\$4,959.00	\$19,836.00	5	\$5,107.77	\$25,538.85
70198705 70198891	G031 Output Contact Drive SD100 (UTEX) Line Reactor 3.3 MH/370A Prop SD8 (UTEX)	3	\$23,438.00 \$34,571.00	\$70,314.00 \$34,571.00	<u>4</u> 1	\$24,141.14 \$35,608.13	\$96,564.56 \$35,608.13
70198893	Pulse Wid Mod Invert 120KVA SD8/9 (UTEX)	3	\$1,667.00	\$5,001.00	3	\$1,717.01	\$5,151.03
70198979	Voltage Transducer SD7 (UTEX)	2	\$0.00	\$50,000.00	2	\$0.00	\$50,000.00
70198981	Compact Inverter Unit KERNEL SD7 (UTEX)	3	\$6,862.00	\$20,586.00	3	\$7,067.86	\$21,203.58
70199015	SIBCOS M2000-30-9 APS - SD8 (UTEX)	2	\$49,099.00	\$98,198.00	3	\$50,571.97	\$151,715.91
70199016	DC/DC Inverter 120KVA SD8 (UTEX)	1	\$7,405.00	\$7,405.00	2	\$7,627.15	\$15,254.30
70199017	Dead Battery Start SD8 (UTEX)	2	\$55,222.00	\$110,444.00	2	\$56,878.66	\$113,757.32
70199019 70199020	Battery Charge Module APS - SD8/9 (UTEX) Control Unit M9000 APS SD8 (UTEX)	2	\$4,451.00 \$5,210.00	\$4,451.00 \$10.420.00	2	\$4,584.53 \$5,366.30	\$9,169.06 \$10,732.60
70199025	Radial Fan APS SD8 (UTEX)	5	\$5,210.00	\$10,420.00	6	\$5,228.28	\$10,732.60
70199029	Reference Value Converter SD7/8/9 (UTEX)	3	\$16,121.00	\$48,363.00	5	\$16,604.63	\$83,023.15
70200039	Over Voltage Protection SD8 (UTEX)	1	\$1,093.00	\$1,093.00	2	\$1,125.79	\$2,251.58
70200096	QPSW4200-03 4200V;50MA APS SD8 (UTEX)	2	\$469.00	\$938.00	2	\$483.07	\$966.14
70200216	QPSW-Transducer 1000/600/400V SD8 (UTEX)	3	\$5,040.00	\$15,120.00	3	\$5,191.20	\$15,573.60
70200217 70200218	6K5-DRV-SEK SD8 (UTEX)	3	\$15,909.00	\$47,727.00	3	\$16,386.27	\$49,158.81
70201089	SIBCOS M2500-2-9 SD8 (UTEX) Line Contactor SD7 (UTEX)	1 1	\$2,891.00 \$4,857.00	\$2,891.00 \$4,857.00	2 1	\$2,977.73 \$5,002.71	\$5,955.46 \$5,002.71
70201088	PCB Power Supply 16.8-47V, 24V SD7 (UTEX)	1	\$5,426.00	\$5,426.00	2	\$5,588.78	\$11.177.56
70198890	Line Reactor SD8/SD9 (UTEX)	1	\$3,799.00	\$3,799.00	2	\$3,912.97	\$7,825.94
70198185	Power Supply 16.8-47V IN 24V (UTEX)	5	\$3,799.00	\$18,995.00	6	\$3,912.97	\$23,477.82
70201908	Over Voltage Protection (A3) SD8 (UTEX)	1	\$15,156.00	\$15,156.00	2	\$15,610.68	\$31,221.36
70201906	Battery Charger 14kVA SD8 (UTEX)	1	\$2,130.00	\$2,130.00	1	\$2,193.90	\$2,193.90
70200089 70200095	ZS-MEL-02 SD8 (UTEX) Blower Tier SD100 (UTEX) - Fan Tray	2 2	\$3,951.00 \$3,951.00	\$7,902.00 \$7,902.00	3	\$4,069.53 \$4,069.53	\$8,139.06 \$12,208.59
70160358	Control Unit Vehicle (VCU) A-Car SD7/SD8 (UTEX)	1	φ3,931.0U	\$7,902.00	<u>3</u> 1	\$4,069.53	\$12,208.59
70160275	Control Unit Vehicle (VCU) B-Car SD7/SD8 (UTEX)	1		\$0.00	1	\$0.00	\$0.00
70168229	Propulsion Container A-Car SD7 (UTEX)	1	\$110,196.61	\$110,196.61	1	\$113,502.51	\$113,502.51
70168237	Propulsion Container B-Car SD7 (UTEX)	1	\$110,196.61	\$110,196.61	1	\$113,502.51	\$113,502.51
70200091	VCU Complete B-Car SD8 (UTEX)	1		\$0.00	1	\$0.00	\$0.00
70200090	VCU Complete A-Car SD8 (UTEX)	1		\$0.00	1	\$0.00	\$0.00
70198242	J000 Fan Sub Assembly SD8 (UTEX)	1	\$2,198.02	\$2,198.02	2	\$2,263.96	\$4,527.92
70188797 70201087	PCB Memory C027 SD100 (UTEX)	6	\$4,234.33	\$4,234.33	2	\$4,361.36	\$8,722.72
70201087	PCB C003 TCN Gateway VCU SD8 (UTEX) PCB C003 TCN Gateway VCU SD9 (UTEX)	1	\$5,860.95 \$9,556.34	\$35,165.68 \$9,556.34	2	\$6,036.78 \$9,843.03	\$48,294.20 \$19,686.06
. 3201070	Total		ψ3,000.04	\$1,698,712.59			\$2,127,956.56

Total \$9,556.34 \$9,556.34 2 \$9,843.03 \$19,686.06 \$1,698,712.59 C.-1 \$2,127,956.56

Forecasted Contract Value

Forecasted Contract Value												
Material	Material Description	7/1/23 to 6/30/24	2023 Unit cost	2023 total	7/1/24 to 6/30/25	2024 Unit cost	2024 total					
70155531	PCB C051 C059 Digital Iface SD100 (UTEX)	2	\$6,337.82	\$12,675.63	1	\$6,527.95	\$6,527.95					
70155549	PCB C027,MC Memory SD100 (UTEX) PCB C097 C115 Pwr Convtr - SD100 (UTEX)	5 2	\$3,356.69 \$4,917.27	\$16,783.44 \$9,834.54	<u>3</u>	\$3,457.39 \$5,064.79	\$10,372.16 \$5,064.79					
70155564 70166587	PCB C019 CPU Module (486) SD7 (UTEX)	2	\$7,902.64	\$15,805.29	2	\$8,139.72	\$16,279.45					
70166595	PCB C003 TCN Gateway VCU SD7 (UTEX)	7	\$9,280.75	\$64,965.27	7	\$9,559.18	\$66,914.23					
70188755 70188763	PCB C133 Pwr Sup Convtr - SD100 (UTEX)	2	\$4,917.27	\$9,834.54	1	\$5,064.79	\$5,064.79					
70188763	PCB G071 IC Digital Signal SD100 (UTEX) PCB G003 Outp Pulse AMP GTO SD100 (UTEX)	5	\$6,775.97 \$5,140.06	\$27,103.87 \$25,700.30	2	\$6,979.25 \$5,294.26	\$13,958.49 \$10,588.52					
70188789	PCB G111 Output Measure AMP SD100 (UTEX)	2	\$4,526.86	\$9,053.72	1	\$4,662.67	\$4,662.67					
70188805	PCB G079 Input Train Cntr SD100 (UTEX)	2	\$5,925.13	\$11,850.25	1	\$6,102.88	\$6,102.88					
70188813	PCB G063 ICD Signal GNLS SD100 (UTEX)	2	\$6,775.97	\$13,551.94	1	\$6,979.25	\$6,979.25					
70188821 70188839	PCB C067 In/Output Digtal - SD100 (UTEX) PCB G103 Input Temp Convert SD100 (UTEX)	2 2	\$6,944.65 \$5,301.32	\$13,889.30 \$10,602.63	1	\$7,152.99 \$5,460.36	\$7,152.99 \$5,460.36					
70188847	PCB C157 Pwr Start-Up - SD100 (UTEX)	2	\$15,454.13	\$30,908.26	1	\$15,917.75	\$15,917.75					
70188854	PCB G087 In/Output Analog SD100 (UTEX)	3	\$4,695.54	\$14,086.63	1	\$4,836.41	\$4,836.41					
70188862 70196592	PCB G131 Ref Value Convertr SD100 (UTEX) PCB G055 Inp Conv Dig Sgnl SD100 (UTEX)	2 2	\$5,385.13 \$5,925.13	\$10,770.26 \$11,850.25	1	\$5,546.68 \$6,102.88	\$5,546.68 \$6,102.88					
70196600	PCB C019 CPU SD100 (UTEX)	3	\$5,513.50	\$16,540.49	1	\$5,678.90	\$5,678.90					
70196634	DC Link Capacitor C1-C6 SD100 (UTEX)	1	\$5,858.29	\$5,858.29	1	\$6,034.04	\$6,034.04					
70197483 70197939	Control Unit Inverter ICU - SD8 (UTEX)	20	\$10,808.45	\$216,168.98	20	\$11,132.70	\$222,654.05					
70197939	CETAC Power Supply GTO SD100 (UTEX) PCB G019 Output Cont Dr SD100 (UTEX)	1 3	\$5,858.29 \$5,261.00	\$5,858.29 \$15,783.01	1	\$6,034.04 \$5,418.83	\$6,034.04 \$5,418.83					
70198172	PCB C019 Central Processor - SD8 (UTEX)	3	\$5,194.17	\$15,582.50	4	\$5,349.99	\$21,399.97					
70198184	PCB G031 RS485 SD7 (UTEX)	2	\$7,850.66	\$15,701.32	2	\$8,086.18	\$16,172.36					
70198186 70198230	Compact Invert Unit Kernel SD8/9 (UTEX) G047 PCS 24V-110V/5V/±15V 50W SD8 (UTEX)	12	\$2,845.33 \$21,711.32	\$34,144.01 \$21,711.32	15 1	\$2,930.69 \$22,362.66	\$43,960.41 \$22,362.66					
70198231	Line Reactor 3.3 MH/370A Prop SD7 (UTEX)	1	\$3,690.87	\$3,690.87	1	\$3,801.60	\$3,801.60					
70198233	PCB C047/SD7,G031/SD8 Bin In Conv (UTEX)	6	\$3,951.85	\$23,711.12	6	\$4,070.41	\$24,422.45					
70198234 70198235	PCB C055 Output Contactor Dry SD7 (UTEX)	4	\$1,388.72 \$3.774.68	\$5,554.87	3	\$1,430.38	\$4,291.14					
70198237	PCB G039 Converter SD7/SD8 (UTEX) C039 EM1 Carrier W ACAN SD8 (UTEX)	3 3	\$6,569.09	\$11,324.05 \$19,707.28	3	\$3,887.92 \$6,766.17	\$15,551.69 \$20,298.50					
70198238	PCB C055 Multifunction I/O SD8/9 (UTEX)	4	\$4,654.17	\$18,616.67	4	\$4,793.79	\$19,175.17					
70198239	PCB G039 Binary Opt 24-36V/2A SD8/9 UTEX	4	\$1,388.72	\$5,554.87	4	\$1,430.38	\$5,721.52					
70198240 70198249	PCB G063 Adapter Converter - SD8 (UTEX)	1	\$1,378.11	\$1,378.11	2	\$1,419.45	\$2,838.90					
70198249	Voltage Transducer QPSW SD8 (UTEX) Combination Choke L1/L2 SD100 (UTEX)	1 1	\$1,378.11 \$9,892.89	\$1,378.11 \$9,892.89	<u>2</u> 1	\$1,419.45 \$10,189.68	\$2,838.90 \$10,189.68					
70198621	C075 Analog Interface - SD100 (UTEX)	3	\$7,573.77	\$22,721.30	1	\$7,800.98	\$7,800.98					
70198690	Radial Blower Propulsion SD7 SD8 (UTEX)	5	\$5,261.00	\$26,305.02	6	\$5,418.83	\$32,513.00					
70198705 70198891	G031 Output Contact Drive SD100 (UTEX) Line Reactor 3.3 MH/370A Prop SD8 (UTEX)	3	\$24,865.37 \$36,676.37	\$74,596.12 \$36,676.37	1	\$25,611.34 \$37,776.67	\$25,611.34 \$37,776.67					
70198893	Pulse Wid Mod Invert 120KVA SD8/9 (UTEX)	3	\$1,768.52	\$5,305.56	4	\$1,821.58	\$7,286.30					
70198979	Voltage Transducer SD7 (UTEX)	2	\$0.00	\$50,000.00	3	\$0.00	\$50,000.00					
70198981 70199015	Compact Inverter Unit KERNEL SD7 (UTEX)	3	\$7,279.90	\$21,839.69	3	\$7,498.29	\$22,494.88					
70199015	SIBCOS M2000-30-9 APS - SD8 (UTEX) DC/DC Inverter 120KVA SD8 (UTEX)	3 2	\$52,089.13 \$7,855.96	\$156,267.39 \$15,711.93	3 2	\$53,651.80 \$8,091.64	\$160,955.41 \$16,183.29					
70199017	Dead Battery Start SD8 (UTEX)	2	\$58,585.02	\$117,170.04	2	\$60,342.57	\$120,685.14					
70199019	Battery Charge Module APS - SD8/9 (UTEX)	2	\$4,722.07	\$9,444.13	2	\$4,863.73	\$9,727.46					
70199020 70199025	Control Unit M9000 APS SD8 (UTEX) Radial Fan APS SD8 (UTEX)	6	\$5,527.29 \$5,385.13	\$11,054.58 \$32,310.77	<u>2</u> 6	\$5,693.11 \$5,546.68	\$11,386.22 \$33,280.09					
70199029	Reference Value Converter SD7/8/9 (UTEX)	5	\$17,102.77	\$85,513.84	5	\$17,615.85	\$88,079.26					
70200039	Over Voltage Protection SD8 (UTEX)	2	\$1,159.56	\$2,319.13	2	\$1,194.35	\$2,388.70					
70200096	QPSW4200-03 4200V;50MA APS SD8 (UTEX)	2	\$497.56	\$995.12	2	\$512.49	\$1,024.98					
70200216 70200217	QPSW-Transducer 1000/600/400V SD8 (UTEX) 6K5-DRV-SEK SD8 (UTEX)	3 3	\$5,346.94 \$16,877.86	\$16,040.81 \$50,633.57	4	\$5,507.34 \$17,384.19	\$22,029.38 \$69,536.78					
70200217	SIBCOS M2500-2-9 SD8 (UTEX)	2	\$3,067.06	\$6,134.12	2	\$3,159.07	\$6,318.15					
70201089	Line Contactor SD7 (UTEX)	1	\$5,152.79	\$5,152.79	1	\$5,307.38	\$5,307.38					
70201088	PCB Power Supply 16.8-47V, 24V SD7 (UTEX)	2	\$5,756.44	\$11,512.89	3	\$5,929.14	\$17,787.41					
70198890 70198185	Line Reactor SD8/SD9 (UTEX) Power Supply 16.8-47V IN 24V (UTEX)	6	\$4,030.36 \$4,030.36	\$8,060.72 \$24,182.15	6	\$4,151.27 \$4,151.27	\$8,302.54 \$24,907.62					
70201908	Over Voltage Protection (A3) SD8 (UTEX)	2	\$16,079.00	\$32,158.00	2	\$16,561.37	\$33,122.74					
70201906	Battery Charger 14kVA SD8 (UTEX)	1	\$2,259.72	\$2,259.72	1	\$2,327.51	\$2,327.51					
70200089	ZS-MEL-02 SD8 (UTEX)	2	\$4,191.62	\$8,383.23	2	\$4,317.36	\$8,634.73					
70200095 70160358	Blower Tier SD100 (UTEX) - Fan Tray Control Unit Vehicle (VCU) A-Car SD7/SD8 (UTEX)	3	\$4,191.62 \$0.00	\$12,574.85 \$0.00	1	\$4,317.36 \$0.00	\$4,317.36 \$0.00					
70160275	Control Unit Vehicle (VCU) B-Car SD7/SD8 (UTEX)	1	\$0.00	\$0.00	1	\$0.00	\$0.00					
70168229	Propulsion Container A-Car SD7 (UTEX)	1	\$116,907.58	\$116,907.58	1	\$120,414.81	\$120,414.81					
70168237 70200091	Propulsion Container B-Car SD7 (UTEX) VCU Complete B-Car SD8 (UTEX)	1 1	\$116,907.58 \$0.00	\$116,907.58	1	\$120,414.81	\$120,414.81					
70200091	VCU Complete B-Car SD8 (UTEX) VCU Complete A-Car SD8 (UTEX)	1	\$0.00 \$0.00	\$0.00 \$0.00	1	\$0.00 \$0.00	\$0.00 \$0.00					
70198242	J000 Fan Sub Assembly SD8 (UTEX)	2	\$2,331.88	\$4,663.76	2	\$2,401.84	\$4,803.67					
70188797	PCB Memory C027 SD100 (UTEX)	2	\$4,492.20	\$8,984.40	1	\$4,626.97	\$4,626.97					
70201087 70201073	PCB C003 TCN Gateway VCU SD8 (UTEX) PCB C003 TCN Gateway VCU SD9 (UTEX)	8 4	\$6,217.88 \$10,138.32	\$49,743.03 \$40,553.28	<u>8</u>	\$6,404.42 \$10,442.47	\$51,235.32 \$41,769.88					
10201013	Total	1 4	φ10,130.32	\$40,553.28 \$ 2,194,440.08		ψ1U, 44 Z.4/	\$41,769.88					
				,_,,			+=,5,000.33					

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Forecasted Contract Value

		Forecasted C	Contract Value					
Material	Material Description	7/1/25 to 6/30/26	2025 Unit cost	2025 total	7/1/26 to 6/30/27	2026 Unit cost	2026 total	
70155531	PCB C051 C059 Digital Iface SD100 (UTEX)	0	\$6,723.79	\$0.00	0	\$6,925.50	\$0.00	
70155549 70155564	PCB C027,MC Memory SD100 (UTEX) PCB C097 C115 Pwr Convtr - SD100 (UTEX)	0	\$3,561.11 \$5,216.73	\$0.00 \$0.00	0	\$3,667.94 \$5,373.24	\$0.00 \$0.00	
70166587	PCB C019 CPU Module (486) SD7 (UTEX)	2	\$8.383.92	\$16,767.83	2	\$8,635.43	\$17.270.87	
70166595	PCB C003 TCN Gateway VCU SD7 (UTEX)	7	\$9,845.95	\$68,921.66	7	\$10,141.33	\$70,989.31	
70166637	PCB G047 5V±15V VCU SD7 (UTEX)	2	\$3,018.61	\$6,037.23	2	\$3,109.17	\$6,218.35	
70166660	PCB C031 MVB32 VCU SD7 (UTEX)	4	\$8,517.85	\$34,071.40	4	\$8,773.39	\$35,093.54	
70166694 70185793	PCB C039 Multi In/Output VCU SD7 (UTEX)	3	\$6,969.15	\$20,907.45	3	\$7,178.23	\$21,534.68	
70185793	APS AUX PWR Supply - SD8 (UTEX) PCB G011 Output Pulse AMP SD100 (UTEX)	15 0	\$0.00 \$5,453.09	\$100,000.00 \$0.00	15 0	\$0.00 \$5.616.68	\$100,000.00 \$0.00	
70188391	PCB Board GTO Firing SD100 (UTEX)	0	\$5,453.09	\$0.00	0	\$5,616.68	\$0.00	
70188516	ICU (A90)(A91) Invt Cntl Unit SD7 (UTEX)	4	\$0.00	\$0.00	4	\$0.00	\$0.00	
70188730	PCB C035 C043 Chopper Ctrl SD100 (UTEX)	0	\$6,285.97	\$0.00	0	\$6,474.55	\$0.00	
70188748	PCB C083 Cntr Sys Monitor SD100 (UTEX)	0	\$4,181.27	\$0.00	0	\$4,306.70	\$0.00	
70188755 70188763	PCB C133 Pwr Sup Convtr - SD100 (UTEX) PCB G071 IC Digital Signal SD100 (UTEX)	0	\$5,216.73	\$0.00 \$0.00	0	\$5,373.24	\$0.00 \$0.00	
70188771	PCB G003 Outp Pulse AMP GTO SD100 (UTEX)	0	\$7,188.62 \$5,453.09	\$0.00	0	\$7,404.28 \$5,616.68	\$0.00	
70188789	PCB G111 Output Measure AMP SD100 (UTEX)	0	\$4,802.55	\$0.00	0	\$4,946.62	\$0.00	
70188805	PCB G079 Input Train Cntr SD100 (UTEX)	0	\$6,285.97	\$0.00	0	\$6,474.55	\$0.00	
70188813	PCB G063 ICD Signal GNLS SD100 (UTEX)	0	\$7,188.62	\$0.00	0	\$7,404.28	\$0.00	
70188821	PCB C067 In/Output Digtal - SD100 (UTEX)	0	\$7,367.58	\$0.00	0	\$7,588.61	\$0.00	
70188839	PCB G103 Input Temp Convert SD100 (UTEX)	0	\$5,624.17	\$0.00	0	\$5,792.89	\$0.00	
70188847 70188854	PCB C157 Pwr Start-Up - SD100 (UTEX) PCB G087 In/Output Analog SD100 (UTEX)	0	\$16,395.29 \$4,981.50	\$0.00 \$0.00	0	\$16,887.15 \$5,130.95	\$0.00 \$0.00	
70188862	PCB G131 Ref Value Convertr SD100 (UTEX)	0	\$5,713.08	\$0.00	0	\$5,884.48	\$0.00	
70196592	PCB G055 Inp Conv Dig Sgnl SD100 (UTEX)	0	\$6,285.97	\$0.00	0	\$6,474.55	\$0.00	
70196600	PCB C019 CPU SD100 (UTEX)	0	\$5,849.27	\$0.00	0	\$6,024.75	\$0.00	
70196634	DC Link Capacitor C1-C6 SD100 (UTEX)	0	\$6,215.06	\$0.00	0	\$6,401.51	\$0.00	
70197483	Control Unit Inverter ICU - SD8 (UTEX)	20	\$11,466.68	\$229,333.68	20	\$11,810.68	\$236,213.69	
70197939 70197989	CETAC Power Supply GTO SD100 (UTEX) PCB G019 Output Cont Dr SD100 (UTEX)	0	\$6,215.06	\$0.00	0	\$6,401.51	\$0.00	
70197969	PCB G019 Output Cont Dr SD100 (01EX) PCB C019 Central Processor - SD8 (UTEX)	0 4	\$5,581.40 \$5,510.49	\$0.00 \$22,041.96	<u>0</u> 4	\$5,748.84 \$5,675.81	\$0.00 \$22,703.22	
70198184	PCB G031 RS485 SD7 (UTEX)	2	\$8.328.77	\$16,657.53	2	\$8,578.63	\$17,157.26	
70198186	Compact Invert Unit Kernel SD8/9 (UTEX)	15	\$3,018.61	\$45,279.22	15	\$3,109.17	\$46,637.60	
70198230	G047 PCS 24V-110V/5V/±15V 50W SD8 (UTEX)	1	\$23,033.54	\$23,033.54	1	\$23,724.54	\$23,724.54	
70198231	Line Reactor 3.3 MH/370A Prop SD7 (UTEX)	1	\$3,915.65	\$3,915.65	11	\$4,033.11	\$4,033.11	
70198233	PCB C047/SD7,G031/SD8 Bin In Conv (UTEX)	6	\$4,192.52	\$25,155.12	6	\$4,318.30	\$25,909.78	
70198234 70198235	PCB C055 Output Contactor Drv SD7 (UTEX)	3 4	\$1,473.29 \$4,004.56	\$4,419.87 \$16,018.24	<u>3</u>	\$1,517.49 \$4,124.70	\$4,552.47	
70198237	PCB G039 Converter SD7/SD8 (UTEX) C039 EM1 Carrier W ACAN SD8 (UTEX)	3	\$6,969.15	\$20,907.45	3	\$7,178.23	\$16,498.79 \$21,534.68	
70198238	PCB C055 Multifunction I/O SD8/9 (UTEX)	6	\$4,937.61	\$29,625.64	6	\$5,085.74	\$30,514.41	
70198239	PCB G039 Binary Opt 24-36V/2A SD8/9 UTEX	6	\$1,473.29	\$8,839.75	6	\$1,517.49	\$9,104.94	
70198240	PCB G063 Adapter Converter - SD8 (UTEX)	2	\$1,462.04	\$2,924.07	2	\$1,505.90	\$3,011.79	
70198249	Voltage Transducer QPSW SD8 (UTEX)	2	\$1,462.04	\$2,924.07	2	\$1,505.90	\$3,011.79	
70198620 70198621	Combination Choke L1/L2 SD100 (UTEX)	0	\$10,495.37	\$0.00	0	\$10,810.23 \$8,276.06	\$0.00	
70198690	C075 Analog Interface - SD100 (UTEX) Radial Blower Propulsion SD7 SD8 (UTEX)	6	\$8,035.01 \$5,581.40	\$0.00 \$33,488.39	<u>0</u>	\$5,748.84	\$0.00 \$34,493.04	
70198705	G031 Output Contact Drive SD100 (UTEX)	0	\$26,379.68	\$0.00	0	\$27,171.07	\$0.00	
70198891	Line Reactor 3.3 MH/370A Prop SD8 (UTEX)	1	\$38,909.97	\$38,909.97	2	\$40,077.26	\$80,154.53	
70198893	Pulse Wid Mod Invert 120KVA SD8/9 (UTEX)	4	\$1,876.22	\$7,504.89	4	\$1,932.51	\$7,730.04	
70198979	Voltage Transducer SD7 (UTEX)	3	\$0.00	\$50,000.00	3	\$0.00	\$50,000.00	
70198981 70199015	Compact Inverter Unit KERNEL SD7 (UTEX)	3	\$7,723.24	\$23,169.72	3	\$7,954.94	\$23,864.82	
70199015	SIBCOS M2000-30-9 APS - SD8 (UTEX) DC/DC Inverter 120KVA SD8 (UTEX)	4 2	\$55,261.36 \$8,334.39	\$221,045.43 \$16,668.79	2	\$56,919.20 \$8,584.42	\$227,676.79 \$17,168.85	
70199017	Dead Battery Start SD8 (UTEX)	3	\$62,152.85	\$186,458.54	3	\$64,017.43	\$192,052.30	
70199019	Battery Charge Module APS - SD8/9 (UTEX)	2	\$5,009.64	\$10,019.28	2	\$5,159.93	\$10,319.86	
70199020	Control Unit M9000 APS SD8 (UTEX)	2	\$5,863.90	\$11,727.80	2	\$6,039.82	\$12,079.64	
70199025	Radial Fan APS SD8 (UTEX)	6	\$5,713.08	\$34,278.50	6	\$5,884.48	\$35,306.85	
70199029 70200039	Reference Value Converter SD7/8/9 (UTEX)	5 2	\$18,144.33	\$90,721.64	5	\$18,688.66	\$93,443.29	
70200039	Over Voltage Protection SD8 (UTEX) QPSW4200-03 4200V;50MA APS SD8 (UTEX)	2	\$1,230.18 \$527.86	\$2,460.36 \$1,055.73	2	\$1,267.09 \$543.70	\$2,534.17 \$1,087.40	
70200030	QPSW-Transducer 1000/600/400V SD8 (UTEX)	4	\$5,672.56	\$22,690.26	4	\$5,842.74	\$23,370.97	
70200217	6K5-DRV-SEK SD8 (UTEX)	4	\$17,905.72	\$71,622.88	4	\$18,442.89	\$73,771.56	
70200218	SIBCOS M2500-2-9 SD8 (UTEX)	2	\$3,253.85	\$6,507.69	2	\$3,351.46	\$6,702.92	
70201089	Line Contactor SD7 (UTEX)	1	\$5,466.60	\$5,466.60	1	\$5,630.59	\$5,630.59	
70201088	PCB Power Supply 16.8-47V, 24V SD7 (UTEX)	3	\$6,107.01	\$18,321.03	3	\$6,290.22	\$18,870.66	
70198890 70198185	Line Reactor SD8/SD9 (UTEX) Power Supply 16.8-47V IN 24V (UTEX)	8	\$4,275.81 \$4,275.81	\$8,551.62 \$34,206.46	<u>3</u> 8	\$4,404.08 \$4,404.08	\$13,212.25 \$35,232.66	
70201908	Over Voltage Protection (A3) SD8 (UTEX)	2	\$17,058.21	\$34,200.40	2	\$17,569.96	\$35,139.92	
70201906	Battery Charger 14kVA SD8 (UTEX)	2	\$2,397.33	\$4,794.67	2	\$2,469.25	\$4,938.51	
70200089	ZS-MEL-02 SD8 (UTEX)	3	\$4,446.89	\$13,340.66	3	\$4,580.29	\$13,740.88	
70200095	Blower Tier SD100 (UTEX) - Fan Tray	0	\$4,446.89	\$0.00	0	\$4,580.29	\$0.00	
70160358	Control Unit Vehicle (VCU) A-Car SD7/SD8 (UTEX)	1	\$0.00	\$0.00	11	\$0.00	\$0.00	
70160275	Control Unit Vehicle (VCU) B-Car SD7/SD8 (UTEX)	1	\$0.00	\$0.00	11	\$0.00	\$0.00	
70168229 70168237	Propulsion Container A-Car SD7 (UTEX) Propulsion Container B-Car SD7 (UTEX)	1 1	\$124,027.26 \$124,027.26	\$124,027.26 \$124,027.26	<u>1</u> 1	\$127,748.07 \$127,748.07	\$127,748.07 \$127,748.07	
70200091	VCU Complete B-Car SD8 (UTEX)	1	\$124,027.26	\$124,027.26	<u>'</u> 1	\$0.00	\$0.00	
70200031	VCU Complete A-Car SD8 (UTEX)	1	\$0.00	\$0.00	1	\$0.00	\$0.00	
70198242	J000 Fan Sub Assembly SD8 (UTEX)	2	\$2,473.89	\$4,947.78	2	\$2,548.11	\$5,096.22	
70188797	PCB Memory C027 SD100 (UTEX)	0	\$4,765.78	\$0.00	0	\$4,908.75	\$0.00	
70201087	PCB C003 TCN Gateway VCU SD8 (UTEX)	8	\$6,596.55	\$52,772.38	8	\$6,794.44	\$54,355.55	
70201073	PCB C003 TCN Gateway VCU SD9 (UTEX)	4	\$10,755.74	\$43,022.98	4	\$11,078.42	\$44,313.67	
	Total			\$1,993,706.33			\$2,093,498.87	

,	Att. C, Al 1	7/1/27 to		
2027 total	2027 Unit cost	6/30/28	Material Description	Material
\$0.0	\$7,133.27	0	PCB C051 C059 Digital Iface SD100 (UTEX)	0155531
\$0.0 \$0.0	\$3,777.98 \$5,534.43	0	PCB C027,MC Memory SD100 (UTEX) PCB C097 C115 Pwr Convtr - SD100 (UTEX))155549)155564
\$17,788.9	\$5,534.43 \$8,894.50	2	PCB C019 CPU Module (486) SD7 (UTEX)	166587
\$73,118.9	\$10,445.57	7	PCB C003 TCN Gateway VCU SD7 (UTEX)	166595
\$6,404.9	\$3,202.45	2	PCB G047 5V±15V VCU SD7 (UTEX)	166637
\$36,146.3	\$9,036.59	4	PCB C031 MVB32 VCU SD7 (UTEX)	166660
\$22,180.	\$7,393.57	3	PCB C039 Multi In/Output VCU SD7 (UTEX)	166694
\$100,000.0	\$0.00	15	APS AUX PWR Supply - SD8 (UTEX))185793
\$0.0	\$5,785.18	0	PCB G011 Output Pulse AMP SD100 (UTEX)	0187823
\$0.0 \$0.0	\$5,785.18	0 4	PCB Board GTO Firing SD100 (UTEX) ICU (A90)(A91) Invt Cntl Unit SD7 (UTEX))188391)188516
\$0.0	\$0.00 \$6,668.78	0	PCB C035 C043 Chopper Ctrl SD100 (UTEX))188730
\$0.0	\$4,435.90	0	PCB C083 Cntr Sys Monitor SD100 (UTEX)	188748
\$0.0	\$5,534.43	0	PCB C133 Pwr Sup Convtr - SD100 (UTEX))188755
\$0.0	\$7,626.41	0	PCB G071 IC Digital Signal SD100 (UTEX)	188763
\$0.0	\$5,785.18	0	PCB G003 Outp Pulse AMP GTO SD100 (UTEX)	188771
\$0.0	\$5,095.02	0	PCB G111 Output Measure AMP SD100 (UTEX))188789
\$0.0	\$6,668.78	0	PCB G079 Input Train Cntr SD100 (UTEX)	188805
\$0.0	\$7,626.41	0	PCB G063 ICD Signal GNLS SD100 (UTEX)	188813
\$0.0	\$7,816.27	0	PCB C067 In/Output Digtal - SD100 (UTEX) PCB G103 Input Temp Convert SD100 (UTEX)	188821 188839
\$0.0 \$0.0	\$5,966.68 \$17,393.76	0	PCB C157 Pwr Start-Up - SD100 (UTEX)	188847
\$0.0	\$5,284.88	0	PCB G087 In/Output Analog SD100 (UTEX)	188854
\$0.0	\$6,061.01	0	PCB G131 Ref Value Convertr SD100 (UTEX)	188862
\$0.0	\$6,668.78	0	PCB G055 Inp Conv Dig Sgnl SD100 (UTEX)	196592
\$0.0	\$6,205.49	0	PCB C019 CPU SD100 (UTEX)	196600
\$0.0	\$6,593.56	0	DC Link Capacitor C1-C6 SD100 (UTEX)	196634
\$243,300.	\$12,165.00	20	Control Unit Inverter ICU - SD8 (UTEX)	197483
\$0.0	\$6,593.56	0	CETAC Power Supply GTO SD100 (UTEX))197939
\$0.0	\$5,921.31	0	PCB G019 Output Cont Dr SD100 (UTEX))197989)198172
\$23,384.3	\$5,846.08	4 2	PCB C019 Central Processor - SD8 (UTEX))198172
\$17,671.9 \$48,036.1	\$8,835.99 \$3,202.45	15	PCB G031 RS485 SD7 (UTEX) Compact Invert Unit Kernel SD8/9 (UTEX)	198186
\$24,436.2	\$24,436.28	1	G047 PCS 24V-110V/5V/±15V 50W SD8 (UTEX)	198230
\$4,154.	\$4,154.11	1	Line Reactor 3.3 MH/370A Prop SD7 (UTEX)	198231
\$26,687.0	\$4,447.84	6	PCB C047/SD7,G031/SD8 Bin In Conv (UTEX)	198233
\$4,689.0	\$1,563.01	3	PCB C055 Output Contactor Drv SD7 (UTEX)	198234
\$16,993.	\$4,248.44	4	PCB G039 Converter SD7/SD8 (UTEX)	198235
\$22,180.	\$7,393.57	3	C039 EM1 Carrier W ACAN SD8 (UTEX)	0198237
\$31,429.8	\$5,238.31	6	PCB C055 Multifunction I/O SD8/9 (UTEX)	198238
\$9,378.0	\$1,563.01	6	PCB G039 Binary Opt 24-36V/2A SD8/9 UTEX)198239
\$3,102.	\$1,551.07	2	PCB G063 Adapter Converter - SD8 (UTEX) Voltage Transducer QPSW SD8 (UTEX))198240)198249
\$3,102. \$0.0	\$1,551.07 \$11,134.54	0	Combination Choke L1/L2 SD100 (UTEX)	0198620
\$0.0	\$8,524.34	0	C075 Analog Interface - SD100 (UTEX)	198621
\$35,527.8	\$5.921.31	6	Radial Blower Propulsion SD7 SD8 (UTEX)	0198690
\$0.0	\$27,986.20	0	G031 Output Contact Drive SD100 (UTEX)	198705
\$82,559.	\$41,279.58	2	Line Reactor 3.3 MH/370A Prop SD8 (UTEX)	198891
\$7,961.9	\$1,990.49	4	Pulse Wid Mod Invert 120KVA SD8/9 (UTEX)	198893
\$50,000.0	\$0.00	3	Voltage Transducer SD7 (UTEX))198979
\$24,580.	\$8,193.59	3	Compact Inverter Unit KERNEL SD7 (UTEX))198981
\$234,507.0	\$58,626.77	4	SIBCOS M2000-30-9 APS - SD8 (UTEX)	199015
\$17,683.9	\$8,841.96	2	DC/DC Inverter 120KVA SD8 (UTEX))199016)199017
\$197,813.8 \$10,629.4	\$65,937.96 \$5,314.73	3 2	Dead Battery Start SD8 (UTEX) Battery Charge Module APS - SD8/9 (UTEX)	199017
\$10,629.4 \$12,442.0	\$5,314.73	2	Control Unit M9000 APS SD8 (UTEX)	199020
\$36,366.0	\$6,061.01	6	Radial Fan APS SD8 (UTEX)	199025
\$96,246.	\$19,249.32	5	Reference Value Converter SD7/8/9 (UTEX)	199029
\$2,610.	\$1,305.10	2	Over Voltage Protection SD8 (UTEX)	200039
\$1,120.0	\$560.01	2	QPSW4200-03 4200V;50MA APS SD8 (UTEX)	200096
\$24,072.0	\$6,018.02	4	QPSW-Transducer 1000/600/400V SD8 (UTEX)	200216
\$75,984.	\$18,996.18	4	6K5-DRV-SEK SD8 (UTEX)	200217
\$6,904.0	\$3,452.01	2	SIBCOS M2500-2-9 SD8 (UTEX)	200218
\$5,799.5 \$10,436	\$5,799.51 \$6,479.03	1 2	Line Contactor SD7 (UTEX)	201089
\$19,436. \$13,608.6	\$6,478.93 \$4,536.20	3 3	PCB Power Supply 16.8-47V, 24V SD7 (UTEX) Line Reactor SD8/SD9 (UTEX)	1201088 1198890
\$36,289.6	\$4,536.20	8	Power Supply 16.8-47V IN 24V (UTEX)	198185
\$36,194.	\$18,097.06	2	Over Voltage Protection (A3) SD8 (UTEX)	201908
\$5,086.0	\$2,543.33	2	Battery Charger 14kVA SD8 (UTEX)	201906
\$14,153.	\$4,717.70	3	ZS-MEL-02 SD8 (UTEX)	200089
\$0.0	\$4,717.70	0	Blower Tier SD100 (UTEX) - Fan Tray	200095
\$0.0	\$0.00	1	Control Unit Vehicle (VCU) A-Car SD7/SD8 (UTEX)	160358
\$0.0	\$0.00	1	Control Unit Vehicle (VCU) B-Car SD7/SD8 (UTEX)	160275
\$131,580.	\$131,580.52	1	Propulsion Container A-Car SD7 (UTEX)	168229
\$131,580.	\$131,580.52	1	Propulsion Container B-Car SD7 (UTEX)	168237
\$0.0	\$0.00	1	VCU Complete B-Car SD8 (UTEX)	200091
\$0.0	\$0.00	1 2	VCU Complete A-Car SD8 (UTEX)	1200090 1198242
\$5,249.° \$0.0	\$2,624.55 \$5,056.01	2 0	J000 Fan Sub Assembly SD8 (UTEX) PCB Memory C027 SD100 (UTEX)	1198242 1188797
\$55,986.2	\$5,056.01	8	PCB C003 TCN Gateway VCU SD8 (UTEX)	201087
\$45,643.0	\$11,410.77	4	PCB C003 TCN Gateway VCU SD9 (UTEX)	201073

Sub-total \$14,296,007.21
2.5% contingency (includes items with no consumption history)
Forecasted Total (7-Years)

\$14,296,007.21
\$357,400.18
\$14,653,407.39
-4



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Agenda Item No. 17

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

Executive Committee
Review Date: 06/10/2021

Draft for

SUBJECT:

SEMIANNUAL UNIFORM REPORT OF DISADVANTAGED BUSINESS ENTERPRISE (DBE) AWARDS AND PAYMENTS

INFORMATIONAL ITEM

Budget Impact

None.

DISCUSSION:

As a Federal Transit Administration (FTA) grantee, San Diego Metropolitan Transit System (MTS) complies with the federal regulations set forth in 49 CFR Part 26 regarding participation by DBEs in the U.S. Department of Transportation (DOT) Program.

I. Goals of MTS's DBE Program

The goals of MTS's race-neutral DBE program are:

- 1. to ensure nondiscrimination in the award and administration of DOT-assisted contracts;
- 2. to create a level playing field on which DBEs can compete fairly for DOT-assisted contracts;
- 3. to ensure that the DBE program is narrowly tailored in accordance with applicable law;
- 4. to ensure that only firms that fully meet 49 CFR Part 26 eligibility standards are permitted to participate as DBEs;
- 5. to help remove barriers to the participation of DBEs in DOT-assisted contracts;
- 6. to assist the development of firms that can compete successfully in the marketplace outside of the DBE program; and
- 7. to provide appropriate flexibility to recipients of federal financial assistance in establishing and providing opportunities for DBEs.



II. MTS's DBE Triennial Overall Goal for FFY 2019-2021

The DBE regulations require MTS to prepare a DBE Triennial Overall Goal. The DBE Triennial Overall Goal is established upon the number of ready, willing, and able DBE contractors within MTS's geographic market area that are available to bid on MTS's federally assisted procurements (excludes transit vehicle procurements). For the current triennial reporting period (October 1, 2018 to September 30, 2021), MTS has an aspirational overall goal of **2.9%** DBE participation on federally funded contracts.

III. Participation by certified DBEs

For purposes of reporting DBE participation to the FTA, MTS may only count participation by <u>certified</u> DBE contractors. In order to be certified as a DBE through the California Unified Certification Program, contractors must:

- have a majority owner who is socially and economically disadvantaged (Native Americans, African Americans, Hispanics, Asian-Pacific, Subcontinent Asian Americans and women are currently presumed to be socially and economically disadvantaged by the DOT);
- (2) the majority owner must have a personal net worth of less than \$1,320,000; and
- (3) the business must be a **small business** and, for *most* types of businesses, have average annual gross receipts less than **\$23,980,000**.

Per DOT DBE Regulations, MTS *may not* count participation from certified minority owned businesses (MBE), disabled veteran owned businesses (DVBE), women owned businesses (WBE), small businesses (SB) or lesbian gay bisexual transgender owned businesses (LGBTBE) (collectively referred to as SBEs) toward meeting its DBE Triennial Overall Goal. Nonetheless, MTS encourages participation from, conducts outreach to, and tracks awards to SBEs.

IV. Race-Neutral Outreach Measures to Increase DBE and SBE Participation

A race-neutral DBE program means that there are no DBE contract specific goals and no advantages provided to interested DBE contractors when submitting bids or proposals. Successful bidders are chosen using race-neutral means, generally through a low-bid or best-value procurement process.

To increase DBE participation on MTS's federally assisted procurements, as well as SBE participation on all MTS's contracts, MTS conducts outreach to DBEs and SBEs in an effort to inform them of upcoming MTS procurements. The following are some of the race-neutral measures MTS has implemented:

 outreach to past and current MBEs, DVBEs, WBEs, SBs and LGBTBEs to discuss the benefits of DBE certification and what qualifications are necessary to become DBE certified, as some may already qualify;

- 2. outreach to past and current DBEs, MBEs, DVBEs, WBEs, SBs and LGBTBEs requesting that they register on PlanetBids so they can receive automatic notification of upcoming MTS formal procurements;
- 3. for small purchase procurements in which MTS must seek out three (3) bids, MTS aims to advertise more of these procurement on PlanetBids so as to increase the potential of DBEs, MBEs, DVBEs, WBEs, SBs or LGBTBEs learning of the procurement, if such a contractor is available to perform the work;
- 4. for small purchase procurements in which MTS must seek out three (3) bids, seeking at least one (1) of those bids from a DBE or SBE, if available; and
- 5. attend and actively promote small business conferences and programs to alert DBEs, MBEs, DVBEs, WBEs, SBs or LGBTBEs of upcoming MTS contracting opportunities and to educate about MTS's procurement and DBE program.

Due to the COVID-19 public health emergency, in-person outreach events have been cancelled until further notice. There have been limited virtual outreach events hosted by other agencies requesting MTS's participation.

MTS continued to attend San Diego Public Agency Consortium bi-monthly meetings, virtually. At these meetings, San Diego County public agencies discussed upcoming planned virtual workshops and best practices regarding their agency's DBE and SB programs.

MTS plans to host its own DBE and SBE Outreach Event, virtually, on June 22, 2021. The event will include information on MTS's DBE Program, information on how to bid with MTS, presentations from certifying agencies, as well as presentations from SANDAG and NCTD regarding their upcoming projects.

V. Federally Funded Procurements

Only contracts awarded and paid by MTS using federal funds (or a portion of federal funds) are reported to the FTA per DOT DBE Regulations. MTS generally reserves federal funds for transit vehicle procurements, transit facility improvements, state-of-good-repair vehicle or system preventative maintenance projects, and contracted fixed route and paratransit services. MTS generally uses local and state funds for capital projects (e.g. construction, engineering), administrative costs and other expenses (e.g. marketing expenses, land management, office supplies).

VI. Summary of Semi-Annual DBE Report Achievement (Federal Funds Only)

The FTA Semi-Annual Report for October 1, 2020 to March 30, 2021 is the fifth of six reports in the triennial period of FFY 2019-2021.

a. Contracts Awarded

For this reporting period, MTS **did not achieve** its DBE Triennial Overall Goal of 2.9% for contracts awarded. MTS achieved **0.03%** DBE participation for contracts awarded.

	Federal Contract	Goal		
REPORTING PERIOD	Total Federal \$\$	DBE \$\$	DBE %	<u>vs 2.9%</u>
Federal Funds: Oct 1 2020 to Mar 31 2021	\$182,514,682.65	\$45,759.00	0.03%	-2.87%

The main reason for why MTS was not able to meet its DBE Triennial Overall Goal for contracts awarded was due to awarding a very large contract to a non-DBE firm.

MTS awarded a contract to Transdev, a non-DBE firm, for a six (6) year base contract to perform fixed route services in the amount of \$506,385,448.54 (36% federally funded). There is limited DBE potential within this contract because it primarily pays for labor costs (i.e. bus operator and other administrative personnel costs). Due to the specifications needed for these contracts, there were no ready, willing and able DBEs available to perform these services when the contracts were awarded. If MTS had not awarded this contract during this particular reporting period, MTS would have achieved its DBE Triennial Overall Goal (See Attachment A for a review of what MTS's DBE achievement would have been, but for this contract).

b. Contracts Open

For this reporting period, MTS **did not achieve** its DBE Triennial Overall Goal of 2.9% for contracts opened. MTS achieved **2.45%** DBE participation for contracts opened.

		Federal Contracts Open/Payments During Reporting Period									
REPORTING PERIOD	Total Federal \$\$	<u>DBE \$\$</u>	DBE %	<u>vs 2.9%</u>							
Federal Funds: Oct 1 2020 to Mar 31 2021	\$35,808,767.05	\$854,353.00	2.39%	-0.51%							

Despite ongoing payments to **NMS Management**, a **DBE** firm, for janitorial and antigraffiti services in the amount of \$823,211.86 (80% federally funded), paid between October 1, 2020 to March 31, 2021, and other payments on smaller contracts to DBE firms, MTS was not able to meet its DBE Triennial Overall Goal for contracts opened. The main reason is due to the newly awarded contract to Transdev, a non-DBE firm, for fixed route services. Since this contract is being paid with a significant amount of federal dollars, it is diluting the achieved DBE participation for contracts opened.

c. Contracts Completed

For this reporting period, MTS **achieved** its DBE Triennial Overall Goal of 2.9% for contracts completed. MTS achieved **9.17%** DBE participation for contracts completed.

	Federal Contracts C	Federal Contracts Completed/Total Payments									
REPORTING PERIOD	Total Federal \$\$	<u>DBE \$\$</u>	DBE %	<u>vs 2.9%</u>							
Federal Funds: Oct 1 2020 to Mar 31 2021	\$3,925,872.97	\$360,092.34	9.17%	+6.27%							

The main reason why MTS was able to meet its DBE Triennial Overall Goal for contracts completed was due to completing a contract with **My Electrician**, a **DBE** firm, for VMS Monitors, paying out a total of \$436,796.77 (80% federally funded).

Please note, MTS decides contract performance periods based on MTS business and operational needs. Every reporting period will differ on the number, type and dollar amount of contracts closed out.

VII. Summary of Triennial Achievement Toward Meeting MTS's DBE Triennial Overall Goal for FFY 2019 – FFY 2021

While the specific DBE participation rate for each six (6) month reporting period may fluctuate, the goal of the MTS DBE program is to achieve the 2.9% DBE Triennial Overall Goal as an average for the FFY 2019-2021 triennial period. MTS currently has a **1.29%** achievement toward meeting its DBE Triennial Overall Goal.

MTS has one remaining reporting period left for the triennial period. If after completion of FFY 2021, MTS did not meet its Overall Goal of 2.9%, MTS will be required to complete a Shortfall Analysis and Corrective Action Plan, detailing why MTS did not meet its Overall Goal and a plan for how MTS aims to increase DBE participation in the future. If applicable, the Shortfall Analysis and Corrective Action Plan will be submitted to the FTA for concurrence.

	DBE Achiev	rement for FFY 2019 -	FFY 2021	
FFY	Reporting Period	Total Fed Awarded	Total DBE Awarded	DBE %
FFY 2019	Oct 1 18 to Mar 31 19	\$8,603,476.55	\$204,022.26	2.37%
FFY 2019	April 1 19 to Sept 30 19	\$9,005,016.32	\$3,884,727.66	43.14%
FFY 2020	Oct 1 19 to Mar 31 20	\$7,065,591.07	\$84,861.22	1.20%
FFY 2020	April 1 20 to Sept 30 20	\$130,881,224.89	\$135,337.29	0.10%
FFY 2021	Oct 1 20 to Mar 31 21	\$182,514,682.65	\$45,759.00	0.03%
FFY 2021	April 1 21 to Sept 30 21	No	t yet completed	
FFY 201 Ove	ment Toward Meeting 9-2021 DBE Triennial erall Goal of 2.9% 2019-2021 Total DBE ÷ FFY 2019-2021 Total Fed Awarded)	Achieved 1.29% thus	I PROGRESS: 1.29% far towards DBE Overall Goal of 2.9%	Triennial

VIII. Summary of DBE, WBE, MBE, DVBE, LGBTBE and SB Participation for all Contracts (Regardless of Funding Source)

Although MTS may not count participation of MBE, DVBE, WBE, SB and LGBTBE (collectively referred to as SBEs) towards achievement of its DBE Overall Triennial Goal, MTS does record the participation of these businesses to gauge the success of its program to foster small business participation. MTS encourages the participation of DBEs and SBEs on all of its contracts, no matter the funding source.

To highlight just one of the many contracts awarded to a SBE firm using local funds is a contract to Chula Vista Electric, a SB firm, installing new fare validators, for \$936,270.00 (100% locally funded).

MTS's DBE and SBE participation rates for the reporting period, *using both local and federal funds*, were as follows:

	All Contrac	All Contract Awards/Commitments (All Funding Sources)											
REPORTING PERIOD	<u>Total \$\$</u>	DBE \$\$	DBE %	SBE \$\$ (MBE, DVBE, WBE, SB and LGBTBE)	SBE %								
All Funds: Oct 1 2020 to Mar 31 2021	\$546,248,722.19	\$428,054.08	0.08%	\$5,511,166.79	1.01%								

To compare MTS's current achievements with past reporting periods, enclosed is a History of Semi-Annual Reports (Attachment A).

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, <u>Julia.Tuer@sdmts.com</u>

Attachment: A. History of Semi-Annual Reports

MTS History of DBE Semi Annual Reports

	Contract Awards/Commitments*																
	Federal DBE GOAL	REPORTING PERIOD	TOTAL DOLLARS AWARDED (fed & local)	TOTAL DRE \$\$	Total DBE <u>%</u>	10tai 3BE \$\$	Total SBE <u>%</u>	Total Federal \$\$	<u>Federal DBE \$\$</u>	Federal DBE %	<u>Federal SBE \$\$</u>	Federal SBE %	<u>Total Local \$\$</u>	Local DBE \$\$	Local DBE <u>%</u>	FOCAL 2RE 2	LOCAL SBE %
FFY16		Oct 1 15 to Mar 31 16 Apr 1 16 to Sept 30 16	\$ 63,883,438.52 \$ 32,178,592.14	\$ 298,902.02 \$ 976,115.34	0.47% 3.03%	\$ 2,929,504.04 \$ 996,434.97	4.59% 3.10%	\$ 4,094,298.13 \$ 6,418,545.41		0.29% 3.98%	\$ 246,645.99 \$ 148,325.08	6.02% 2.31%	\$ 59,789,140.39 \$ 25,760,046.73	\$ 287,042.13 \$ 720,354.37	0.48% 2.80%	\$ 2,682,858.05 \$ 848,109.89	4.49% 3.29%
FFY17**	3.75%	Oct 1 16 to Mar 31 17 Apr 1 17 to Sept 30 17	\$ 92,516,929.91 \$ 40,939,010.42	\$ 5,611,166.70 \$ 478,288.92	6.07% 1.17%	\$ 3,735,641.71 \$ 1,622,764.06	4.04% 3.96%	\$ 19,827,518.60 \$ 3,326,175.53		19.07% 0.95%	\$ 196,188.57 \$ 405,594.52	0.99% 12.19%	\$ 72,689,411.31 \$ 37,612,834.89	\$ 1,830,067.76 \$ 446,844.30	2.52% 1.19%	\$ 3,539,453.14 \$ 1,217,169.54	4.87% 3.24%
FFY18		Oct 1 17 to Mar 31 18 Apr 1 18 to Sept 30 18	\$ 31,874,559.08 \$ 68,024,202.91	\$ 754,167.60	2.37% 2.54%	\$ 3,002,750.48 \$ 4,982,014.37		\$ 5,888,603.26 \$ 5,453,720.86	\$ 107,876.47	1.83% 17.92%	\$ 716,139.92 \$ 267,303.01	12.16% 4.90%	\$ 25,985,955.82 \$ 62,570,482.05	\$ 646,291.13	2.49%	\$ 2,286,610.56 \$ 4,714,711.36	8.80%
FFY16-18	3.75%	Oct 1, 2015 thru Sept 30, 2018 (6 semi-annual reports)	\$ 329,416,732.98			\$ 17,269,109.63	5.24%		\$ 5,165,574.79			4.40%	\$284,407,871.19	\$ 4,678,800.03		\$ 15,288,912.54	
FFY19		Oct 1 18 to Mar 31 19 Apr 1 19 to Sept 30 19	\$ 73,790,097.91 \$ 40,005,268.47	\$ 606,817.10 \$ 6,243,719.33	0.82% 15.61%	\$ 5,715,068.36 \$ 1,796,894.06		\$ 8,603,476.55 \$ 9,005,016.32		2.37% 43.14%	\$ 182,110.81 \$ 644,406.58	2.12% 7.16%	\$ 65,186,621.36 \$ 31,000,252.15	\$ 402,794.84 \$ 2,358,991.67	0.62% 7.61%	\$ 5,532,957.55 \$ 1,152,487.48	
		Oct 1 19 to Mar 31 20 Apr 1 20 to Sept 30 20			8.32% 0.28%	\$ 4,831,911.79 \$ 2,322,909.77		\$ 7,065,591.07 \$ 130,881,224.89	\$ 84,861.22	1.20% 0.10%	\$ 1,309,065.78 \$ 242,071.52	18.53% 0.18%	\$ 44,956,535.75 \$ 99,707,605.78		9.44% 0.50%	\$ 3,522,846.01 \$ 2,080,838.25	7.84%
FFY20	2.9%	Apr 1 20 to Sept 30 20 w/o First Transit contract (*for reference only*)	\$ 47,280,121.00	\$ 636,712.08	1.35%	\$ 2,322,909.77	4.91%	\$ 14,306,408.31	\$ 135,337.29	0.95%	\$ 242,071.52	1.69%	\$ 32,973,712.69	\$ 501,374.79	1.52%	\$ 2,080,838.25	6.31%
		Oct 1 20 to Mar 31 21	\$ 546,248,722.19	\$ 428,054.08	0.08%	\$ 5,511,166.79	1.01%	\$ 182,514,682.65	\$ 45,759.00	0.03%	\$ 369,213.11	0.20%	\$ 363,734,039.54	\$ 382,295.08	0.11%	\$ 5,141,953.68	1.41%
FFY21		Oct 1 20 to Mar 31 21 w/o Transdev contract (*for reference only*)	\$ 39,863,273.69	\$ 428,054.08	1.07%	\$ 5,511,166.79	13.83%	\$ 1,059,896.95	\$ 45,759.00	4.32%	\$ 369,213.11	34.83%	\$ 38,803,376.74	\$ 382,295.08	0.99%	\$ 5,141,953.68	13.25%
		Apr 1 21 to Sept 30 21															
		Oct 1, 2018 thru Sept 30, 2021 (6 semi-annual reports IN PROGRESS)	\$ 942,655,046.06	\$ 12,245,465.91	1.30%	\$ 20,177,950.77	2.14%	\$ 338,069,991.48	\$ 4,354,707.43	1.29%	\$ 2,746,867.80	0.81%	\$ 604,585,054.58	\$ 7,890,758.48	1.31%	\$ 17,431,082.97	2.88%
FFY19-21	2.9%	Oct 1, 2018 thru Sept 30, 2021 (6 semi-annual reports IN PROGRESS) w/o First Transit or Transdev contract (*for reference only*)	\$ 252,960,887.89	\$ 12,245,465.91	4.84%	\$ 20,177,950.77	7.98%	\$ 40,040,389.20	\$ 4,354,707.43	10.88%	\$ 2,746,867.80	6.86%	\$ 212,920,498.69	\$ 7,890,758.48	3.71%	\$ 17,431,082.97	8.19%

^{*}Transit Vehicle Procurements (buses, trolleys) from Transit Vehicle Manufacturers (TVM) are not included in this Report per DOT DBE Regulations. TVMs have their own DBE Program, Goals and Reporting requirements. Inventory procurements are also not included. Only at time an inventory item is issued from store room will the federal/local breakdown be known, not at the time of purchase. *

^{**}In FY17, MTS began using the U.S. Small Business Administration Database, which provides a listing of Small Businesses. This Database tracks firms in which revenues and/or number of employees do not exceed the North American Industry Classifcation System (NAICS) code's small business size standards, which is used to determine whether a DBE is a small business or not.**



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Agenda Item No. 18

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

June 17, 2021

Draft for
Executive Committee
Review Date: 06/10/2021

SUBJECT:

DISADVANTAGED BUSINESS ENTERPRISE (DBE) OVERALL GOAL FOR FEDERAL FISCAL YEARS 2022-2024

RECOMMENDATION:

That the Board of Directors adopt a 6.23% Overall DBE Goal for DBE-participation in federally funded contracts for Federal Fiscal Years (FFY) 2022 to 2024.

Budget Impact

None with this action.

DISCUSSION:

As a grant recipient of Federal Transit Administration (FTA) funds, MTS must comply with FTA DBE Regulations. One such requirement is to calculate an Overall DBE Goal on a triennial basis. The upcoming triennial period is FFY 2022 to FFY 2024 (October 1, 2021, through September 30, 2024). The DBE regulations establish the required goal methodology, which includes two steps:

- (1) determination of a base figure of the relative availability of DBEs to all firms (DBE and non-DBE) available to bid or propose on MTS's FTA-assisted contracts within MTS's geographic market area; and
- (2) adjusting the base figure to reflect any circumstances that may impact the relative availability of DBE firms in MTS's geographic market area.

This goal methodology requires MTS to forecast the federal contracts that it expects to award during the triennial period and identify if there are certified DBE contractors in its geographic market area who may successfully bid on such contracts.



To calculate the MTS overall DBE goal, MTS hired DBE Consultant, GCAP Services, to review MTS procurement information, identify DBE and non-DBE contractors available to bid on each procurement, and calculate MTS's potential DBE participation on such contracts.

In Step One, MTS reviewed its future federal procurements. MTS expects to award an estimated \$14,778,756 in federally assisted contract dollars in the upcoming triennial period (transit vehicle purchases are excluded per DBE regulations).

This figure includes certain contracts with no DBE firms available to bid on such work (e.g., bus towing services, utility trailer rental services, armored car services, tire merchant wholesalers, miscellaneous bus vehicle parts, ultrasonic rail testing, maintenance of tunnel safety equipment, dispatch consoles and radios, track geometry testing, and on-call CCTV services). In such contracts, there is no reasonable opportunity for MTS to award the associated federal dollars to a DBE contractor, which reduces MTS's base figure.

In addition, there are several contracts with very few DBE firms available, compared to the number of available non-DBE firms (e.g. vehicle upholstery services, solid waste collection, post-award inspection of bus vehicles, and miscellaneous shop tools). This also reduces MTS's base figure. As a result, the Step One base figure of DBE firms available to bid on anticipated MTS federally assisted contracts is 2.898%.

In Step Two, the base figure of 2.898% was compared to MTS's median DBE attainment for the last three years (9.657%). Using past DBE goal attainments provides demonstrable evidence of DBE availability and capacity to perform. Taking the average of the 2.898% base figure and the 9.657% median DBE attainment, resulted in a DBE Overall Goal of 6.23% (rounded 6.28% up to a tenth of a percent, per FTA guidance).

MTS reports its DBE participation to the FTA in semiannual reports. The achieved DBE participation percentage for each six month reporting period will depend heavily on the type and dollar value of contracts that were awarded during a given period. For instance, during periods when MTS awards a large, multiyear service contract such as armored car services, the large dollar value of these non-DBE contracts will dilute the percentage of achieved DBE participation on other contracts in the reporting period. Therefore, while the achieved DBE participation percentage for each six month reporting period may fluctuate, the overall aim of the MTS DBE-outreach program will be to achieve the 6.23% Overall DBE goal as an average for the FFY 2022-2024 triennial period.

MTS posted the proposed 6.2%-Overall DBE Goal and the Overall DBE Goal Methodology on its Website on May 5, 2021, with a request for comments. On May 10, 2021, MTS posted notice within the San Diego Daily Transcript.

Our DBE Consultant GCAP Services also reached out to various minority businesses, women owned businesses, small businesses, local business associations, and community organizations within the San Diego market. GCAP Services hosted a webinar on May 20, 2021 to explain MTS's Overall DBE Goal Methodology and provide additional opportunities to review and provide feedback. On June 1, 2021, MTS also emailed the same businesses, as well reached out to other DBE and SB vendors, and

asked them to complete a Survey, as another way to receive feedback. All feedback received was reviewed and included within MTS's Overall DBE Goal-Setting Methodology.

Upon receiving Board of Directors approval of MTS's 6.23% Overall DBE Goal, MTS will submit its Overall DBE Goal-Setting Methodology to the FTA for concurrence.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

Key Staff Contact: Julia Tuer, 619.557.4515, <u>Julia.Tuer@sdmts.com</u>

Attachment: A. MTS's Overall DBE Goal-Setting Methodology

ATTACHMENT A IS CURRENTLY
BEING FINALIZED TO ADD
PUBLIC FEEDBACK.
ATTACHMENT WILL BE
PROVIDED WITH BOARD
MEETING MATERIALS.