

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

March 4, 2021

9:00 a.m.

\*Meeting will be held via webinar\*

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ACTION RECOMMENDED

- 1. ROLL CALL
- APPROVAL OF MINUTES February 4, 2021

Approve

PUBLIC COMMENTS

#### COMMITTEE DISCUSSION ITEMS

- 4. Quarterly Mid-Coast Corridor Transit Project Update (Ramon Ruelas of SANDAG) Informational
- 5. <u>Free Transfer Consideration (Rob Schupp)</u>
  Action would receive a report and provide feedback.

Possible Action

6. New Bus Maintenance Facility – Division 6 (Denis Desmond)

Informational

Possible

Action

7. <u>Declaration of Surplus Property Site (Karen Landers)</u>
Action would forward a recommendation to the Board of Directors to declare the property located at 5801 and 5805 Fairmount Avenue, San Diego, California as "surplus land" for purposes of Government Code sections 54220, et seq.

8. <u>Approval of Complimentary Transit Services (Sharon Cooney)</u>
Action would approve complimentary transit services to asylum seekers from the U.S.-Mexico border to various temporary lodging locations in San Diego for up to six weeks.

**Approve** 

Please SILENCE electronics during the meeting









### OTHER ITEMS

- 9. REVIEW OF DRAFT March 11, 2021 MTS BOARD AGENDA
- 10. COMMITTEE MEMBER COMMUNICATIONS AND OTHER BUSINESS
- 11. NEXT MEETING DATE: April 1, 2021
- 12. ADJOURNMENT

### MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

1255 Imperial Avenue, Suite 1000 San Diego, CA 92101

### **DRAFT MINUTES**

### February 4, 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 9:00 a.m. A roll call sheet listing Executive Committee member attendance is attached.

### 2. Approval of Minutes

Chair Fletcher moved to approve the minutes of the December 3, 2020, MTS Executive Committee meeting. Board Member Sandke seconded the motion, and the vote was 5 to 0 in favor with Vice Chair Sotelo-Solis and Board Member Salas absent.

#### 3. Public Comments

There were no Public Comments.

#### **COMMITTEE DISCUSSION ITEMS**

4. <u>San Diego Transit Corporation (SDTC) Pension Investment Status (Jeremy Miller,</u> Representative from RVK and Larry Marinesi)

Larry Marinesi, MTS Chief Financial Officer, provided a brief background on the various MTS pension plans. Jeremy Miller, with RVK, presented on the SDTC pension investment status. He outlined the following aspects of the pension: investment structure as of June 30, 2020, investment details as of June 30, 2020, Fiscal Year (FY) 2020 performance, Fiscal Year to Date (FYTD) performance, long-term performance details and investment structure summary.

Board Member Sandke voiced his concern with a 0.5% return figure. He asked about the risk and equity mix in the portfolio and asked if the performance figures incorporated management fees.

Mr. Marinesi clarified the one-year return at the end of the calendar year was 8.9%, which is above the actuarial target of 6.75%. He noted that the 0.5% return at the end of the fiscal year is in large part due to the COVID-19 pandemic.

Mr. Miller clarified the risk percentage is calculated in a way to ensure there is growth potential in the portfolio. He noted that the duration of the liability will continue to shorten within the closed plan, and as that duration shortens, the amount of equities in the plan would continue to decrease.

Mr. Marinesi stated that management fees are approximately 50 basis points on an annualized basis, which is at the lower threshold in the fee spectrum. He also noted that the agency has seen a strong recovery with over 13.5% returns over the last six months.

Board Member Elo-Rivera asked about agency standards and policies regarding ethics and values that drive where funds are invested.

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Mr. Miller clarified the agency is co-fiduciary and the asset structure is developed jointly. He explained that RVK's goal is to help assist in placing funds into accounts that will provide a maximized return in the risk profile to satisfy liability needs. He noted they are able to provide assistance with any other goals MTS may wish to pursue in relation to the plan.

Ms. Cooney clarified that MTS does not have a policy with regard to investments. She noted that staff has looked into options that would help further social equity goals, but also maintain strong financial investment returns.

Mr. Marinesi explained that staff would need to understand the legality of reallocating investments. He noted that the fees related to these types of investments would be three to four times more than what the agency currently pays. Mr. Marinesi stated that staff would need to further explore and research this aspect of the investment.

Chair Fletcher asked staff to present on this topic at a later date.

Ms. Cooney recommended the topic be addressed at a future Budget Development Committee (BDC) meeting. She noted that because there would be a financial trade off to this request, the committee would need to assess the reallocation of other funds to pay for higher fees.

Chair Fletcher asked that the item be introduced to the BDC, then brought to the Executive Committee for further discussion.

Board Member Elo-Rivera noted he hoped to optimize the investments of the agency, but would also like to make sure MTS is not investing its funds in areas that counters the mission.

Board Member Gastil commented that CalPERS may be an entity that is socially conscious in its investments and suggested staff look to other agencies as models.

#### Action Taken

Informational item only. No action taken.

5. <u>San Diego Transit Corporation (SDTC) Employee Retirement Plan's Actuarial Valuation as of July 1, 2020 (Anne Harper and Alice Alsberghe of Cheiron, Inc. and Larry Marinesi)</u>

Anne Harper and Alice Alsberghe, with Cheiron, presented on the SDTC employee retirement plan's actuarial valuation as of July 1, 2020. They outlined the following aspects of the results including: plan cost changes, plan history contributions and funding, membership and support ratio, COVID-19 impact on plan assets, projected total contributions, project funded ratio, stochastic projection of contributions, and next steps.

Board Member Sandke asked if the agency could realize the returns sooner, rather than the projected pay off date of 2038.

Mr. Marinesi clarified the agency moved into a closed plan in 2012, and twenty-five years from that date, the plan's total unfunded actuarial liability fully would be paid off. The decision was approved by the Board and the agency moved forward with implementation. He noted that decisions would need to continuously be made for the next 10 years of the plan, assessing actuarial gains and losses. Currently, the plan continues to be on the projected trajectory to reach the goal of fully paying off the unfunded actuarial liability by 2037.

Board Member Sandke noted the plan is fiscally responsible assuming all the assumptions are met. He noted he continued to be unsatisfied with the investment performance over time relative

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to the market volatility. He concluded the plan is financially prudent and meets the goal approved by the Board in 2012.

Ms. Cooney noted the agency strives to make these investments with as little risk as possible. She asked Mr. Marinesi to briefly discuss the portfolio and what the portfolio would look like if the agency decided for a higher investment risk strategy.

Mr. Marinesi noted the plan is invested and diversified in the stock market with positions in equities and bonds. He cited CalPERS as an example with economies of scale that have private investments such as real estate. The \$160 - \$180 million agency plan is not large enough to participate in these types of investments to provide liquidity needed to satisfy benefit payments for the pensioners. He noted the limitations to this plan that larger plans, such as CalPERS or the San Diego County pension plan, do not have to account for. He noted that reducing fees is prudent. The agency needs assets available in order to meet obligations and satisfy pension benefit payments.

### Action Taken

Chair Fletcher moved to forward a recommendation to the Board of Directors to receive the SDTC Employee Retirement Plan's actuarial valuation as of July 1, 2020, and adopt the pension contribution amount of \$17,585,592 for fiscal year 2022. Board Member Gastil seconded the motion, and the vote was 5 to 0 in favor with Vice Chair Sotelo-Solis and Board Member Salas absent.

### 6. <u>Zero Emission Bus (ZEB) Pilot Performance and Transition Plan Update (Mike Wygant & Kyle Whatley)</u>

Michael Wygant, MTS Chief Operating Officer – Transit Services; and Kyle Whatley, MTS Zero Emission Project Specialist, presented on the ZEB pilot performance and transition plan update. They outlined the following aspects of the plan: policy history, timeline, ZEB pilot program performance report, monthly fleet efficiency, average efficiency by route, efficiencies vs. temperatures, compressed natural gas (CNG) vs. Battery Electric-Bus (BEB) monthly mileage, CNG vs. BEB fuel & maintenance, availability, mean distance between failures, ZEB deployment, Disadvantaged Community (DAC) routes by division, charging infrastructure, funding, transition costs, upcoming milestones, procurement timeline and 25% early adoption pathway.

Chair Fletcher included an update from the California Air Recourses Board (CARB), noting there were significant funding challenges with Greenhouse Gas Reduction Funds (GGRF). He noted that CARB was anticipating transportation allocations through an equity fund. CARB is working with the legislature and Governor's office in order to assist transit agencies.

Board Member Sandke was encouraged with the cost comparison. He noted the cost was higher; however, the tradeoff was an environmental benefit. He noted the maintenance cost would be significantly lower over time and asked if there would be a progressive savings for maintenance labor. He also inquired about the overhead gantry chargers.

Heather Furey, MTS Director of Capital Projects, clarified buses and chargers are built in tandem to support the bus in its lifetime. She explained the structure that will support the chargers is versatile and easy to retrofit in order to meet the demands of the changing infrastructure.

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Mr. Wygant agreed that the infrastructure allows for flexibility. He noted the open protocols and charger standards have allowed the agency to charge various buses using the same charging station. He also noted the overhead charging infrastructure versatility for the next fleet would have to abide by open standard protocols. He explained mileage interval for preventative maintenance would remain at the same level for now. CARB, along with other projections, shows there will be less labor maintenance over time compared to a combustion vehicle; however, there has yet to be a reduction in the industry. He noted that maintenance labor might become infrastructure labor.

Board Member Sandke acknowledged the infrastructure transition and noted funding would be a challenge in the future.

### Action Taken

Informational item only. No action taken.

### 7. <u>Eat, Shop, Play Business/Ridership Marketing Campaign (Rob Schupp)</u>

Rob Schupp, MTS Director of Marketing and Communications, presented on the Eat, Shop, Play business and ridership marketing campaign. He outlined the following aspects of the small business support program: context to the program, co-operative marketing pilot program, selected neighborhood, shop to ride incentive, operation, recruiting business partners, promotion, milestones for measurable success, MTS service to communities and timeline.

Board Member Aguirre asked if the program launch date could be delayed so businesses could be included. She also asked if vendors could join the program after the launch date.

Mr. Schupp clarified the program would be ongoing, with recruitment in the beginning phases. He noted a dedicated website would show the participating businesses.

Board Member Aguirre noted cross promotion on social media would also be beneficial to the communities.

Board Member Sandke asked about routes in San Diego that serve both tourist and employment demands. He asked if the agency could identify such routes and rebrand the routes.

Mr. Schupp confirmed there were various routes available that did this and he would explore a branding strategy.

#### Action Taken

Informational item only. No action taken.

#### OTHER ITEMS

8. REVIEW OF DRAFT February 11, 2021 BOARD AGENDA

### Recommended Consent Items

6. <u>Mid-Coast Corridor Transit Project – Projected Staffing</u>
Action would approve an additional 15 Security and Information Technology (IT) positions to support the Mid-Coast Corridor Trolley (Mid-Coast) extension.

- 7. <u>Excess Liability and Worker's Compensation Insurance Renewals</u>
- 8. Zero-Emission Bus (ZEB) Procurement Project: 60-Foot Low-Floor Electric Buses Issuance of Purchase Order to New Flyer of America, Inc. (New Flyer)

  Action would authorize the Chief Executive Officer (CEO) to issue a Purchase Order to New Flyer for the purchase of twelve (12) 60-foot low-floor electric battery-powered buses in the amount of \$18,558,245.40.
- On-Call Construction Management and Engineering/Inspection Services Assignment Increase
   Action would authorize the Chief Executive Officer (CEO) to execute Amendment No. 2 to MTS Doc. No. G2023.0-17 with the San Diego Association of Governments (SANDAG) in the amount of \$1,000,000. The new total value of the contract shall not exceed \$5,000,000.
- 10. Printed Circuit Boards (PCBs) and Electronic Components Contract Amendments
  Action would: 1) Ratify Amendment No. 1 to MTS Doc. No. L1476.0-19 with Siemens
  Mobility Inc., in the amount of \$90,000; and 2) Authorize the Chief Executive Officer
  (CEO) to approve Amendment No. 2 to MTS Doc. No. L1476.0-19 with Siemens
  Mobility Inc., for PCBs and Electronic Components, for a total of \$350,000.
- 11. Provision of Hewlett Packard Enterprise (HPE) Nimble HF20 Array Equipment and Support to Replace Regional Transit Management System (RTMS) 3PAR Storage Array (3PAR) Purchase Order

  Action would authorize the Chief Executive Officer (CEO) to execute a Purchase Order to Nth Generation Computing Inc. for the provision of HPE Nimble HF20 Array equipment and support to replace the RTMS 3PAR in the amount of \$106,834.56.
- 12. On-Call Electrical Repair Services Contract Amendment

  Action would: 1) Ratify MTS Doc No. PWG253.0-18 (Attachment A) with ACM Lighting Services (ACM), a Disadvantaged Business Enterprise (DBE), for on-call electrical repair services for a period of one base year and two optional one-year extensions in the amount of \$22,130.00 for the base year only; 2) Ratify Amendment No. 1-3 to MTS Doc No. PWG253.0-18 (Attachment B-D) with ACM to add additional funds for on-call electrical repair services in the amount of \$75,743.20; and 3)Authorize the Chief Executive Officer (CEO) to execute Amendment No. 4 to MTS Doc No. PWG253.0-18 (in substantially the same format as Attachment E), with ACM to add locations and funds for on-call electrical repair services in the amount of \$25,568.00, for a new contract total of \$123,441.20.
- 13. <u>Design Services for the Fashion Valley Elevator Project Work Order Amendment</u>
  Action would: 1) Ratify Work Order Amendment Nos. 1-4 under MTS Doc No.
  G1949.0-17 with Jacobs Engineering Group, Inc. (Jacobs) totaling \$99,945.60, for additional design services; and 2) Authorize the Chief Executive Officer (CEO) to execute Work Order Amendment No. 5 WOA1949-AE-15.05 under MTS Doc. No.
  G1949.0-17 with Jacobs in the amount of \$20,068.12 for additional Design Support During Construction (DSDC) services for the Project.

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- 14. America Plaza Pedestrian Enhancements Project Award Work Order Contract Action would authorize the Chief Executive Officer (CEO) to execute Work Order WOA1951-AE-63 to MTS Doc. No. G1951.0-17 with Mott MacDonald in the amount of \$749,706.49 for design services for the America Plaza Pedestrian Enhancements Project
- 15. Investment Report Quarter Ending December 31, 2020
- 9. <u>Committee Member Communications and Other Business</u>

Ms. Cooney noted that consent item number 7 would be moved to the discussion section of the Board agenda. The item discusses how rail properties are facing high increases in insurance costs. She explained the self-insured liability would need to be increased to \$5 million per year. Ms. Cooney recommended moving the ZEB Pilot Performance and Transition Plan Update to the March 11<sup>th</sup> Board of Directors meeting.

Julia Tuer, Manager of Government Affairs, briefly discussed the items on the SANDAG Transportation Committee meeting agenda. The items included the following: Transnet bond issuance proposal; short-term note refunding to meet funding commitments for the Major Corridors Program; the 2021 Regional Transportation Improvement Plan; and an update on PRONTO, the next generation fare collection system.

10. Next Meeting Date

The next Executive Committee meeting is scheduled for March 4, 2021, at 9:00 a.m.

11. Adjournment

Chair Fletcher adjourned the meeting at 10:44 a.m.

Chairperson
San Diego Metropolitan Transit System

Attachment: Roll Call Sheet

### SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

### ROLL CALL

MEETING OF (DATE):		February 4, 2021		CALL TO ORDER (TIME):		9:00am	
RECESS:			-	RECONVENE:			
CLOSED SESSION:				RECONVENE:			
PUBLIC HEARING:				RECONVENE:			
ORDINANCES ADOPTED:				ADJOURN: 10:4		4am	
BOARD MEMBER		(Alternate)		PRESENT (TIME ARRIVED)	)	ABSENT (TIME LEFT)	
FLETCHER (Chair)	$\boxtimes$	(Vargas)		9:00am		10:44am	
SOTELO-SOLIS (Vice Chair)		(no alternate)		-		-	
GASTIL	$\boxtimes$	(Hall)		9:00am		10:44am	
ELO-RIVERA		(Montgomery Steppe)		9:00am		10:44am	
MONTGOMERY STEPPE		(Aguirre)	$\boxtimes$	9:00am		10:44am	
SALAS		(no alternate)		-		-	
SANDKE	$\boxtimes$	(Aguirre)		9:00am		10:44am	
SIGNED BY THE CLERK OF THE BOARD:  /S/ Dalia Gonzalez							
CONFIRMED BY THE GENERAL COUNSEL:				/S/ Karen Landers			



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### Agenda Item No. 4

### MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

March 4, 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 Update March 4, 2021





## **PROJECT OVERVIEW**

11-mile extension of the UC San Diego Blue Line Trolley

One seat ride from U.S./Mexico Border to University area

Nine new stations (five with parking)

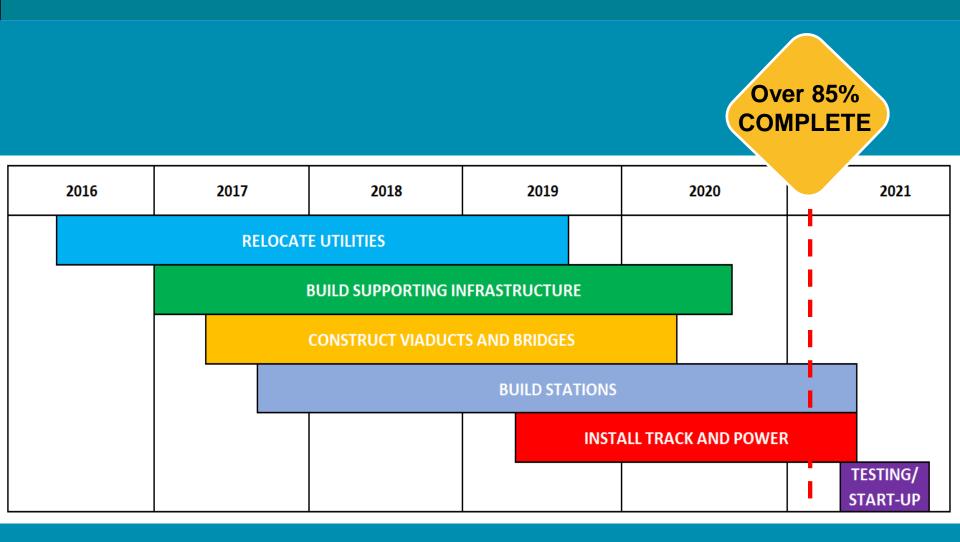
36 new Trolley cars

Revenue service to begin late 2021



## MID-COAST CONSTRUCTION SCHEDULE





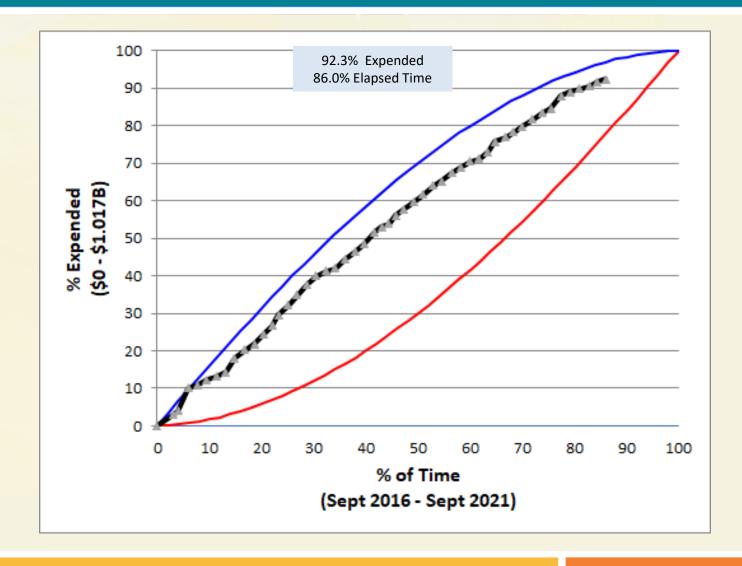
## **CONSTRUCTION SCHEDULE**



Milestone	Baseline	Mar. 2021 Update
Heavy Construction Duration	56 months	57 months
Reach 14 Track Construction Complete	August 2020	August 2020
Start MTS Pre-Revenue Testing	April 2021	June 2021
Final Completion by MCTC	July 2021	September 2021
Revenue Service Date	September 2021	November 2021

## MID-COAST CONSTRUCTION PROGRESS





### DBE UTILIZATION



# Projected vs. Actual Disadvantaged Business Enterprise (DBE) Goal: 11.3%























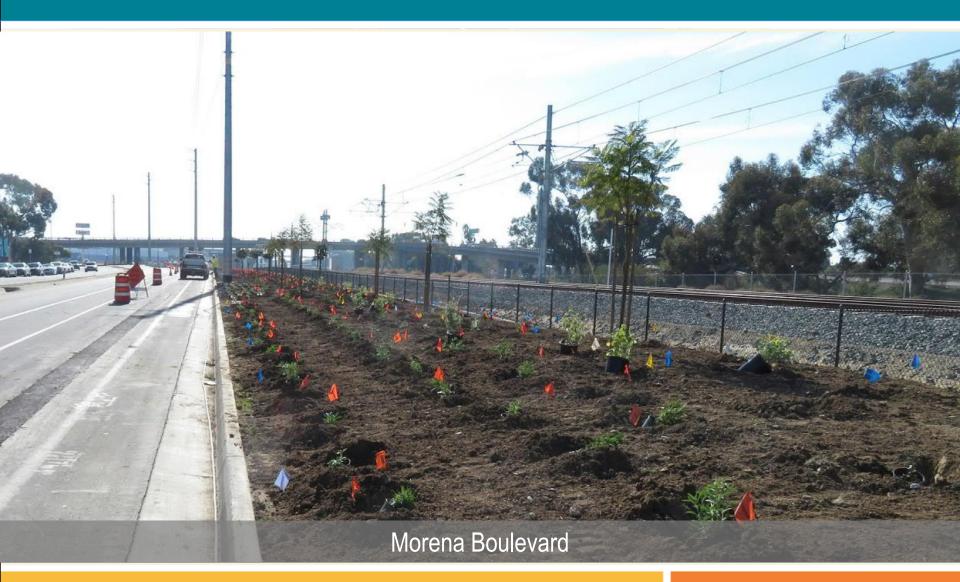




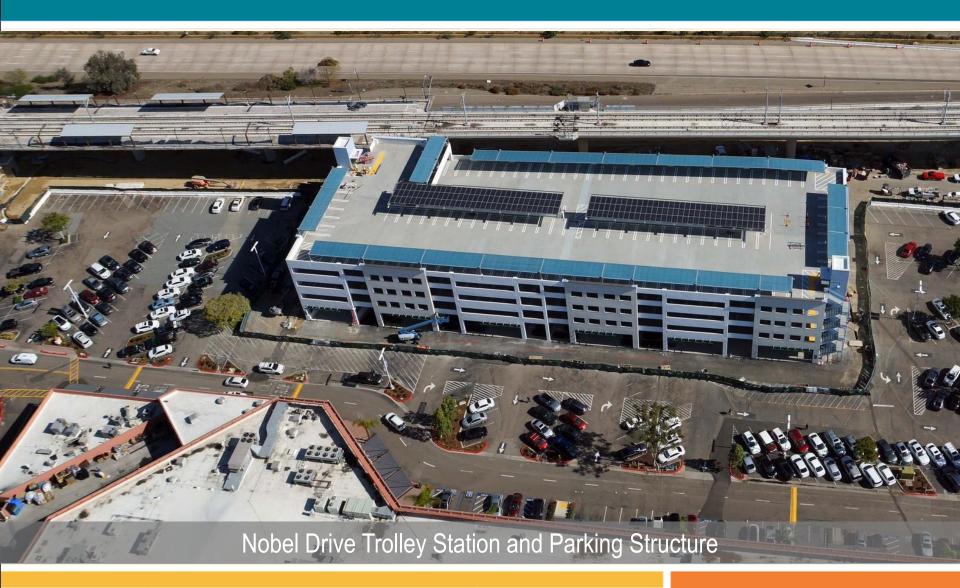








































### PUBLIC INVOLVEMENT



- Public outreach activities continue to follow COVID-19 precautions
- Team providing project updates through electronic media
- Ongoing attendance at virtual community planning group meetings
- Construction milestones event planning in progress
- Opening day events and ribbon-cutting ceremony planning in progress

## **ACCOMPLISHMENTS IN LAST QUARTER**



- Friars Road construction activities completed
- Construction for UTC Transit Center parking structure began
- Nobel Drive Trolley Station parking structure completed
- Station construction progressing
- Landscaping work progressing
- Systems work on schedule
- Project remains within budget and on schedule for fall 2021 revenue service

## **ACCOMPLISHMENTS IN LAST QUARTER**



- Gilman Drive Bridge signage and lighting completed
- Rose Creek Bikeway nearing completion
- Voigt Drive Improvements project in progress





## **NEXT STEPS**



- Continue station construction
- Complete systems work and turn over guideway to MTS in late June
- Continue coordination between MTS and SANDAG for project signage
- Continue coordination between MTS, SANDAG, and UC San Diego in preparation for opening day



### **Contact Us**

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









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



### Agenda Item No. 5

### MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

March 4, 2021

SUBJECT:

FREE TRANSFER CONSIDERATION (ROB SCHUPP)

RECOMMENDATION:

That the Executive Committee receive a report and provide feedback.

**Budget Impact** 

No budget impact.

#### DISCUSSION:

The San Diego Metropolitan Transit System (MTS), San Diego Association of Governments (SANDAG) and North County Transit District (NCTD) Board Members have received a letter from Circulate San Diego, a local mobility advocacy group, to consider reinstituting a free transfer policy for public transportation riders throughout the San Diego County region. At the January 21, 2021 meeting of the MTS Board of Directors, staff was directed to conduct a fare revenue impact study of a free transfer policy and report back to the Board. The results of the study will allow the Board of Directors to provide more guidance regarding potential fare policy changes needed for the implementation of PRONTO, the new regional fare collection system.

MTS hired Hatch/LTK to conduct the revenue impact study. In addition to reporting the results of the study, staff will present an analysis of transfer policies at peer agencies, a history of transfer policy in the region, and an overview of how free transfers would work in the PRONTO system.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

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

Attachment: A. Peer Agency Comparison Pricing









Agency Comparison

AGENCY NAME	ONE-WAY	DAY PASS	TRANSFER TO LOCAL BUS	FREE TRANSFER TO RAIL	NOTES	FARE BOX RECOVERY RATIO (2019)	WEBSITE (FARES)
MTS Metropolitan Transit System (San Diego, CA)	\$2.50 Adult (\$1.25 SDM) Rapid Express/Premium \$5 (\$2.50 SDM) Rural \$8 (\$4 SDM)	1-Day Adult \$6 / \$12 Premium Regional 1-Day SDM \$3/\$6 Premium Regional	NONE	NONE	No transfers.	34.90%	https://www.sdmts.c om/fares- passes
CAPMETRO Capital Metropolitan Transportation Authority (Austin, TX)	Local Fares: \$1.25 / \$0.60 Reduced Commuter Fares: \$3.50 / \$1.75 reduced	Local Fares: 1-Day Pass \$2.50 (\$1.25 Reduced) 7-Day \$11.25 Commuter Fares: 1-Day \$7.00 (\$3.50 Reduced) 7-Day	NONE	NONE	No transfers. Website promotes purchasing the correct pass (Day Pass) if making multiple trips.	14.20%	https://www.capmetr o.org/fares/#!
DART Dallas Area Rapid Transit (Dallas, TX)	\$2.50 (\$1.25 reduced)	Day Pass: \$6 local / \$12 Regional / \$3 Reduced AM/PM Passes: (travel more than 2 hours but prior to noon or after noon until end of service: \$3 Local / \$1.50 Reduced Midday Pass: \$2 (local) - allows unlimited travel between 9:30am-2:30pm 7 days a week.	NONE	NONE	No transfers. Day pass required. Bus one-way fare is cash only so no ticket, no tranfers. No single ride for light rail, require a pass.	15.80%	<u>h</u> ttps://www.dart.org /fares/fares.asp
KING COUNTY METRO King County Department of Metro Transit (Seattle, WA)	\$2.75 Adult/\$1.50 Youth (6-18 yrs) and \$1.50 Reduced Fare	Day Pass - \$8 Adult / \$4 SDM (65+) & \$4 Youth (6-18yrs)	FREE	FREE	Transfer value is stored for two hours on the ORCA card, and is credited in full for transfers. The net result is the rider pays the highest individual fare of the rail or bus ridden	33.90%	https://kingcounty.g ov/depts/transp ortation/metro/fares -orca/what-to- pay.aspx
LA METRO Los Angeles County Metropolitan Transportation Authority (Los Angeles, CA)	\$1.75 (\$0.75 Senior 62+ and \$0.35 off peak 9am-3pm and 7pm-5am weekdays; weekends & Federal Holidays)	1-Day \$7 (\$2.50 SDM) 7-Day Pass \$25 (\$19 Iow-income)	FREE	FREE	When paying with TAP card, free transfer for 2 hours, additional charges apply for express buses or metro silver line, 50c transfer available to some non-metro buses.	16.50%	https://www.metro.net/riding/fares/
NCTD North County Transit District (Oceanside, CA)	BREEZE/SPRINTER \$2.50 Adult/Yth (\$1.25 SDM) COASTER One-way \$5- \$6.50 depending on Zone (\$2.50- \$3.25 SDM/Yth)	1-Day \$6 (\$3 SDM & Youth) Premium Regional \$12 (\$6 SDM & Youth) COASTER \$15 (\$7.50 SDM & Youth)	NONE	NONE	COASTER fares include a free transfer to SPRINTER or BREEZE within 2 hours of purchase	22.60%	https://gonctd.com/f ares/fares-
OCTA Orange County Transportation Authority (Orange County, CA)		1-Day Local Routes: \$5 (\$1.5 60+) - sold on board Pre-paid 1-Day Pass: \$4.50 (\$1.35 60+) Express Routes: 1-Day \$14 (\$5 transfer fare) \$12 (60+) OC Express Routes: 1-Day Pass \$8 (only sold on bus) \$7	NONE	NONE	Only OCTA buses that directly connect with Metrolink trains at or near rail stations will honor Metrolink tickets and passes	0%	https://www.octa.net /bus/Fares-and-
RT Sacramento Regional Transit District (Sacramento, CA)	\$2.50 (\$1.25 Seniors 62+, Disabled/K-12). \$0.25 Transfer ticket	Day Pass \$7 (19-61 yrs) / \$3.50 (62+) / \$3.50 Disabled / Students K-12 \$3.50	NONE	FREE	Bus: Passengers are required to pay a basic or discount single fare for each trip or may purchase a daily pass valid for unlimited rides on that day.  Light Rail: Single ride tickets are valid for 90 minutes from time of validation on light rail only, or pay the 25 cent transfer fee when boarding a bus.	20.60%	http://www.sacrt.co m/fares/

DTD	L I F	Circula Davi Davi	FDFF	EDEE	Townstown and the first three bosons in	00.400/	
RTD Denver Regional Transportation District (Denver, CO)	Local Fares: \$3 / \$1.50 SDM 65+ & \$0.90 Youth. Regiona: \$5.25 / \$2.60 SDM & \$1.60 Youth. Airport: \$10.50 / \$.25 SDM / \$3.20 Youth	Single Day Pass: Local - \$6 (\$3 SDM 65+ and \$1.80 Youth 6- 19 yrs) Regional/Airport - \$10.50 (\$5.25 SDM 65+ & \$3.20 Youth 6-19 yrs)	FREE	FREE	Transfers are valid for three hours in any direction.  Paper ticket issues with time/date stamped.	<sup>23.40%</sup> <b>1, Al 5, 03</b>	/04/2021 http://www.rtd- denver.com/DayPas s.shtml
TRIMET Tri-County Metropolitan Transportation District of Oregon (Portland, OR)	\$2.50 (\$1.25 Youth & low-income and SDM 65+)	Day Pass - \$5 (\$2.50 Youth & low-income and SDM 65+)	FREE	FREE	One way ticket is a 2 ½ hour pass to ride anywhere on Trimet. The paper ticket has a date/time stamped on it and to be used for 2 1/2 hour.	26.10%	<u>h</u> ttps://trimet.org/far es/index.htm#a <u>d</u> ult
UTA Utah Transit Authority (Salt Lake City, UT)	\$2.50 (\$1.25 Youth & SDM)	\$5 (same for Youth & SDM)	FREE	FREE	The Adult One-way Fare cash payment is good on local buses, TRAX and Streetcar for 2.5 hours after purchase. Cash one-way are issued paper transfers upon request.	15.90%	https://www.rideuta. com/Fares-And- Passes/Current-Far es
VALLEY METRO City of Phoenix Public Transit Department (Phoenix, AZ)	\$2 Local (\$1 Reduced) \$3.25 Express/Rapid (\$2.25 Reduced)	1-Day Local \$4 / \$2 Youth 6-18 years & 65+ SDM	NONE	FREE	Light Rail 1-Ride fare receipt is valid for two hours and only for use in one travel direction. A 1-Ride fare for the bus is available only on the bus by paying cash at the farebox. For the best value, purchase a 1-Day pass for multiple same-day trips or if your trip requires changing routes.	19.40%	https://www.valleymetro.org/fares
VTA Santa Clara Valley Transportation Authority (San Jose, CA)	Adult \$2.50 Adult Express \$5 Youth (5-18) \$1.25 SDM (65+) \$1	Adult \$7.50 8-Hour Light RailPass Adult \$5 8-Hour Light RailPass SDM (65+) \$2 8-Hour Light RailPass Youth (5-18yr) \$2.50 Adult Express \$15 Youth (5-18) - \$3.75 SDM (65+) \$3	FREE	FREE	2 Hours of FREE Transfers when you purchase a single-ride fare using EZfare or Clipper.	14.90%	https://www.vta.org/ go/fares
County of Miami-Dade Transit (Miami, FL)	\$2.25 (\$1.10 discount) \$0.60 transfer (bus to rail or rail to rail)	1-Day \$5.65 (\$2.80 discount) 7- Day \$29.25 (\$14.60 discount)	FREE	NONE	Transfers require an EASY card and are free from bus to bus or rail to rail. Bus to rail or rail to bus costs 60c. Transfers must be made within three hours and are not for return trips. YOU MUST PAY YOUR FARE WITH AN EASY CARD OR EASY TICKET TO ACCESS THESE TRANSFER FEES. PASSENGERS PAYING WITH CASH WILL BE REQUIRED TO PAY FULL FARE EVERY TIME. BUS- TO-BUS TRANSFERS ARE FREE WITHIN THE FIRST THREE (3) HOURS FROM THE INIITAL TAP; AFTER THREE (3) HOURS FULL FARES APPLY.	18.50%	https://www.miamid ade.gov/global/tran sportation/home.pa ge
METRO (Houston, TX)	\$1.25 (\$0.60 discounted fare)	\$3 1-Day (50% discount for seniors/disabled/student and free for age 70+)	FREE	FREE	Free transfers in any direction for 3 hours. Have to have a Metro card for transfers If you pay cash then you have to pay full fare each time.	12.60%	https://www.ridemet ro.org/Pages/Page NotFoundError.asp x?requestUrl=https: //www.ridemetro.org /Pa
METRO TRANSIT (Minneapolis, MN)	Local: \$2 non-rush hour / \$2.50 rush hour (Youth 6-12/SDM \$1 non- rush hour / \$2.50 rush hour) Express: \$2.50 non-rush hour / \$3.25 rush hour (Youth 6-12/SDM \$1 non-rush hour / \$3.25 rush hour	31-Day Pass: \$120 (\$3.25 fares), \$90 (\$2.50 fares), \$65 (\$2 fares) or \$36 (\$1 SDM fares)	FREE	FREE	Free transfer unlimited rides at the same fare level in any direction for up to 2½ hours.  Surcharges apply for higher fare levels. Paper transfers for cash one-way fares.	25.90%	https://www.metrotr ansit.org/transf ers A-2

BART (Oakland, CA)	Fare is calculated by distance regardless of transfer. BART does not operate buses. No fare chart available. Must use fare calculator.	Fare is calculated by distance regardless of transfer. BART does not operate buses. No fare chart available. Must use fare calculator.	N/A	DISTANCE	Fare is calculated by distance regardless of transfer.  BART does not operate buses.	04/2021 files/docs/Basics Quide_ENG_Dehttp s://www.bart.gov /tickets
Muni (San Francisco, CA)	Single Ride MuniMobile or Clipper Card - \$2.50 (\$1.25 discount fare) Cash or Metro Ticket Machine - \$3 (\$1.50 discount fare) -	\$5 Day Pass (MuniMobile)	FREE	FREE	A rider may transfer any number of times within a 120 minutes of travel.	https://www.sfmta.c om/getting- around/muni/fares

2019 National Transit

Database - Transit Profiles Transit.dot.

# Transfer History and Revenue Modeling

# MTS Executive Committee March 4, 2021



# Background

- Region is considering fare changes to coincide with the launch of PRONTO to fill revenue gap caused by "best fare" functionality
  - Scenario One:
    - Increase adult one-way fares from \$2.50 to \$2.75 (\$5 to \$5.50 for *Rapid* Premium)
    - Decrease Youth one-way fares from \$2.50 to \$1.25 (\$5 to \$2.50 for *Rapid* Premium)
    - Increase Access from \$5 to \$5.50
    - Allow Fare Capping
    - Ridership up .06%; revenue down \$589,000
  - Scenario Two:
    - All Scenario One changes
    - Increase Regional monthly fares for Adults from \$72 to \$75
    - Increase Regional monthly fares for SDM and Youth from \$23 to \$24
    - Ridership down .58%; revenue up \$616,000
  - Scenario Three:
    - Allow fare capping and reduce Youth one-ways from \$2.50 to \$1.25
    - Ridership up .53%; revenue down \$3.6 million



## Background

MTS, NCTD and SANDAG Board Members received letter from Circulate San Diego citing the following:

- MTS is one of only two large public transit agencies that does not provide
   Free Transfers; analysis did not include many peer agencies to MTS
- A No Transfer policy disproportionately impacts low-income riders who pay twice for a one-way trip
- The regional Day Pass (that allows unlimited travel) of \$6 is relatively high
- Requested the inclusion of a time-based free transfer for one-way tickets

MTS Board requested analysis of revenue impacts of instituting Free Transfers



## Transfer History at MTS

### Region made major changes to Fare Policy in 2008

- Due to Great Recession and severe reduction in revenues
- Included significant increases in all fare types
- Introduced Day Pass to allow unlimited free transfers (\$5)
- Eliminated bus-to-bus transfers w/one-way ticket
- These changes were predicted to result in a 4% revenue increase and 1% decline in ridership

### •\$3 Day Pass introduced for SDM and Youth in 2019

Also available on mobile app



## Peer Agency Analysis

### MTS Researched Transfer Policies of 16 Peer Agencies

- Five have no free Bus-to-Bus Transfers
- Four have no free transfers to rail
- Only three print bus transfer tickets
- 13 require smart card, do not allow free transfers for cash customers
- All are time based: 90 minutes to three hours
- Day Pass prices range from \$2.50 to \$8
  - Median Day Pass Price is \$5.65; 8 are lower, 4 are higher, 2 are the same
- Fare Box Recovery
  - MTS is highest at 34.9%; Seattle next at 33.9%
    - 8 lower than 20%, 5 between 20% and 26%



# Free Transfer w/One-way Ticket Analysis

### Operational Challenges

- No transfer ticket printing hardware on buses
  - Would require ~\$3 million investment
- Free transfer tickets would be subject to fraud
- Health concerns due to paper handling
- Free transfer tickets are littering issue
- Bus operators cannot easily inspect transfer tickets or Trolley one-way tickets to ensure validity



# Free Transfer w/One-way Ticket Analysis

- Assumptions for Revenue Analysis
  - Allow free transfers for two hours
  - No restrictions on direction of travel
  - No restrictions on time of travel during the day
  - Require PRONTO card for free transfers



### Free Transfer Revenue Analysis/Impacts

- Assumes pre-pandemic ridership and fare revenue
- Assumes "best fare" functionality and reduced Youth one-ways from \$2.50 to \$1.25 (in alignment with SDM fares)
- Revenue loss due to fare capping: ~ \$3.5 million
  - From \$91 million to \$87.4 million
- Additional revenue loss for free transfers w/o any fare increase
  - From \$87.43 to \$86.7 million for total revenue loss of \$4.3 million
- Increasing Adult one-way to \$2.75 w/free transfer: \$89.9 million
- Increasing Adult one-way to \$3.00 w/free transfer: \$93.7 million



## **One-Way Ridership**

- Relative small drop in fare revenue with free transfers w/one-way fare. Why?
  - Free Transfers impacts "best fare" daily rate of \$6
    - With no transfers, people taking two trips in the morning and two trips in the afternoon would be charged \$2.50 for first two trips, \$1 for third trip and \$0 for fourth trip, or \$6 total
    - With free transfer, they will pay \$2.50 in morning and \$2.50 in the afternoon, or \$5
    - But... Even if the rider uses transit only 4 days per week, they will reach the monthly cap of \$72, so there is no revenue loss for frequent riders
    - May also stimulate new riders



# **Staff Proposal**

- Implement fare policy change to allow "best fare"
- Reduce Youth One-way fare to align with SDM
- Keep all other fares at the current rate
- Allow free transfer with one-way fare with PRONTO card
- Use CARES/COVID Relief funding to fill revenue gap through FY2024
- Allow one-way fare to increase to \$2.75 in FY2025
- Impacts
  - Revenue loss of \$4.3 million annually (based on pre-COVID ridership)
  - Six to eight-week delay in launch of PRONTO due to Free Transfer rules change



# Transfer History and Revenue Modeling

Questions



### Public Comment - Agenda Item No. 5

#### **Dalia Gonzalez**

From: Michael Horgan <mhorgan@san.rr.com>
Sent: Wednesday, March 3, 2021 2:25 PM

To: Dalia Gonzalez

**Subject:** EC Meeting 3/4/2021 - Item 5

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

I would like to say that I think it might be fine to implement free transfers on Pronto cards, but it should be 1 free transfer per 1 way in a 2 hour period. Reason for that is that people could use that 1 way to effectively ride for free all day. I would also like to see an upgrade path so if you are riding a local/express bus but want to ride a Rapid Express Routes 280 and 290, there should be an option to transfer to that (similar to how LA metro does if you want to ride from a standard bus to the J Line (Silver line).

Ultimately I think we should just get Pronto implemented and try out fare capping and then see if a transfer policy should be implemented. I agree with staff's recommendation, but we should look at all of our available options and not just rely on groups such as Circulate SD.



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### Agenda Item No. 6

### MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

March 4, 2021

SUBJECT:

NEW BUS MAINTENANCE FACILITY - DIVISION 6 (DENIS DESMOND)

INFORMATIONAL ITEM

**Budget Impact** 

None.

#### DISCUSSION:

The San Diego Metropolitan Transit System (MTS) currently operates bus service out of five maintenance divisions. These are non-public facilities where buses are fueled, charged, parked overnight, and maintained. Drivers report here for work, and other administrative functions such as dispatching and training take place at the sites. The five current divisions, in Downtown, Kearny Mesa (2), Chula Vista, and El Cajon, are all either at or nearing capacity. Growth in the bus system will require new capacity, for which MTS has begun a project to locate and build a sixth bus division.

The San Diego Association of Governments (SANDAG) is the lead agency on this project, which has recently entered the environmental phase of work. Staff will provide an update on the project need, requirements, and status to the Executive Committee.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

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

















# **Bus Division 6 Project Update**

MTS Executive Committee
March 4, 2021



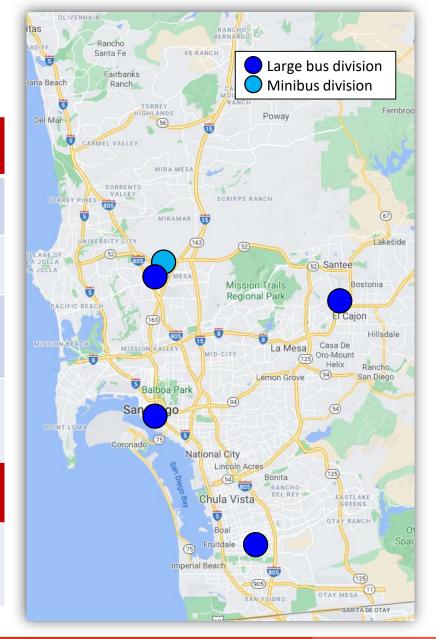
# What's a Bus Division?

- Not a passenger facility
- Primary functions:
  - Bus operations:
    - Operator reporting location
    - Dispatch and operator crew rooms
    - Communications Control Center
    - Operator Training
  - Bus maintenance:
    - Maintenance facility: washing & maintaining
    - Fueling (ZEB chargers, CNG)
    - Bus parking
  - Administrative support offices
- Most operate 24/7
- Distributed throughout service area to optimize locations for minimal deadhead



### Current five MTS bus divisions:

Division	Location	Operator	Services	Property Size	Current Buses	Bus Capacity
Imperial Ave. Division (IAD)	Downtown	MTS In-house	Fixed-Route (incl. Rapid)	7.8 acres	170	182
Kearny Mesa Division (KMD)	Kearny Mesa	MTS In-house	Fixed-Route (incl. Rapid)	8.0 acres	126	144
South Bay Division (SBD)	Chula Vista	Transdev	Fixed-Route (incl. Rapid)	10.6 acres	239 (251 w/ Iris Rapid)	240
East County Division (ECD)	El Cajon	Transdev	Fixed-Route (incl. Rural, Rapid Exp.)	5.2 acres	93	125
Large Bus Totals					640	691
Copley Park Division (CPD)	Kearny Mesa	First Transit	Fixed-Route Minibuses + MTS Access	2.7 acres	208 (minibuses)	





# Need for Expansion Division

- Remaining capacity:
  - approx. 50 additional standard buses at existing divisions combined (after Iris Rapid implementation)
  - Articulated buses use 50% more space than standards
- ZEB charging infrastructure:
  - reduces capacity by approx. 20% at each division for islands and gantry supports
- Modernization projects:
  - will require work space for uninterrupted operations
  - maxed-out divisions have no buffer for flexibility
- Space needed for future expansion:
  - Elevate SD and future RTP both envision significant expansion
  - Rapid conversions, including added frequency and larger buses
  - New routes and better levels of service on existing routes
- Division project development takes 5-7 years



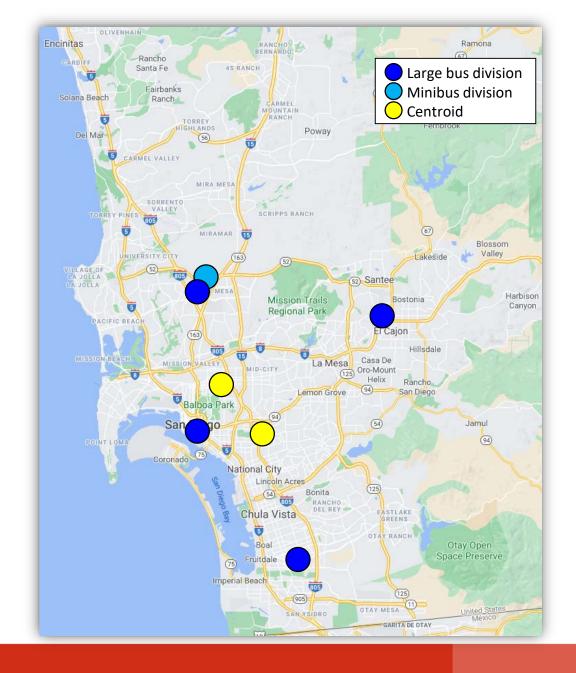
# Future Facility Specifications (not exhaustive)

- 10-12 acres
- Space to park 200-250 buses
- Approx. 600 employees, including ~450 drivers
- Location optimized for anticipated operations
- Maintenance facilities (shops, hoists, etc.)
- Driver lockers & amenities
- Office space for division staff
- ZEB charging infrastructure
- Short-term CNG fueling capability
- Future hydrogen fuel cell potential
- Stores & receiving
- Driver parking
- LEED certification



### **Locating a Site**

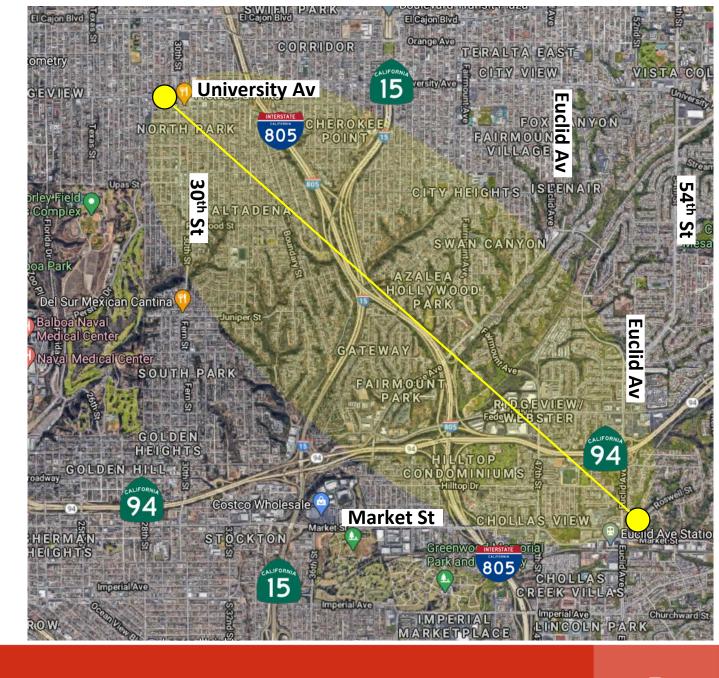
- Current five divisions distributed throughout service area
- Operational analysis in 2016 reviewed current bus network and potential future services
  - Location optimally closest to services and expansion
  - Minimize deadhead travel, esp. with ZEBs
- Results dependent on routes and operator, but centroids of future needs were generally in central service area along I-805 corridor
  - Concentration of new and added service in central and southern areas
  - Travel patterns generally S>N in AM, N>S in PM
- Employee access
  - 80% of MTS Bus employees live south or east of Mission Valley (minimize commutes)





### **Locating a Site**

- Limited industrial/commercial uses in this area; mostly residential, canyon, and freeway
- Community needs and input
- Other factors for consideration:
  - Access to/from freeways
  - Utilities availability (electrical, etc.)
  - Zoning (industrial/commercial)
  - Displacement





### Project Schedule & Budget

Title VI / Environmental: Now

Title VI	CEQA	NEPA
Draft Analysis and Report Winter - Spring 2021	Technical Studies Spring - Summer 2021	Draft CE Checklist Summer 2021
Public Outreach Period Spring 2021	Draft IS/MND Summer 2021	Final NEPA Clearance NEPA lead needed
Complete/Final Report Summer 2021	Public Review/Outreach Summer - Fall 2021	
	Final IS/MND Fall 2021	

- Site Selection: Spring Summer 2021
- Development/Design: 2022 2024
- Construction: 2024 2026
- Opening: 2026 2027
- Budget estimate: \$150-200 million
- Dependent on location, property acquisition, etc.
- Funded through CIP; also anticipating grant funds











# **Bus Division 6 Project Update**

MTS Executive Committee
March 4, 2021





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

### MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

March 4, 2021

SUBJECT:

DECLARATION OF SURPLUS PROPERTY SITE (KAREN LANDERS)

#### **RECOMMENDATION:**

That the San Diego Metropolitan Transit System (MTS) Executive Committee forward a recommendation to the Board of Directors to declare the property located at 5801 and 5805 Fairmount Avenue, San Diego, California as "surplus land" for purposes of Government Code sections 54220, et seq.

#### **Budget Impact**

There is no direct budget impact from this agenda item.

#### DISCUSSION:

The Surplus Land Act was recently amended to expressly apply to transit agencies like MTS. Consequently, before MTS can take any action to negotiate with a potential buyer about a proposed real property sale, MTS is required to formally declare the property to be "surplus land" and then send notices of availability of the land to specified parties.

Today's proposed action relates to property owned by MTS at 5801 and 5805 Fairmount Avenue, San Diego, California (Fairmount Property). The Fairmount Property is east of the Grantville Trolley Station on the northwest side of the Alvarado Creek channel, north of the Fairmount Avenue and Alvarado Canyon Road intersection.

The property is 1.72 acres and is currently improved with a 10,000 square foot, single story industrial building that was constructed in 1955. This portion of the property is currently leased on a short-term basis for an auto auction business. The property also includes a MTS traction power substation and an elevated trolley guideway.









The Fairmount Property was acquired by MTS in 2001 as part of the Mission Valley East Project. The Mission Valley East Project completed the Grantville, SDSU, Alvarado and 70<sup>th</sup> Street stations and closed the gap between the Mission San Diego and Grossmont stations on the Green Line.

Although a sale of the Fairmount Property would require MTS to reserve an easement for the elevated trolley guideway and the traction power substation, including the right to access these facilities for inspections, maintenance, and repairs, there is no additional current or future transit use identified for the property. An expanded use of the Fairmount Property by MTS may also be limited by a proposed City of San Diego project to realign Alvarado Canyon Road. The proposed realignment would run through the Fairmount Property, limiting the developable portions of the property. That project is currently in the conceptual design phase at the City of San Diego. It is intended to address traffic and flooding issues near the Fairmount and Mission Gorge Road intersection.

Recently, the neighboring property owner, David Smith of El Dorado Properties, Inc. (El Dorado), approached MTS about their interest in purchasing the property. The proposed purchase would allow the properties to be assembled and optimize the design of a residential development project being planned on the neighboring property by El Dorado. El Dorado's current design concept accommodates the potential Alvarado Canyon Road realignment project.

Under the Surplus Land Act, MTS is not permitted to engage in any negotiations with EI Dorado for the sale of the Fairmount Property until the property has been declared to be "surplus" and MTS has issued notices to designated parties under Government Code section 54221. Today's action would forward a recommendation to the Board of Directors to declare the property "surplus". Following this designation, staff will send out the required notices. Negotiations with EI Dorado would only occur if no other notices of interest to purchase the property are received following the Surplus Land Act notice process. In that event, staff will return to the Board for negotiating instructions.

/s/ Sharon Cooney

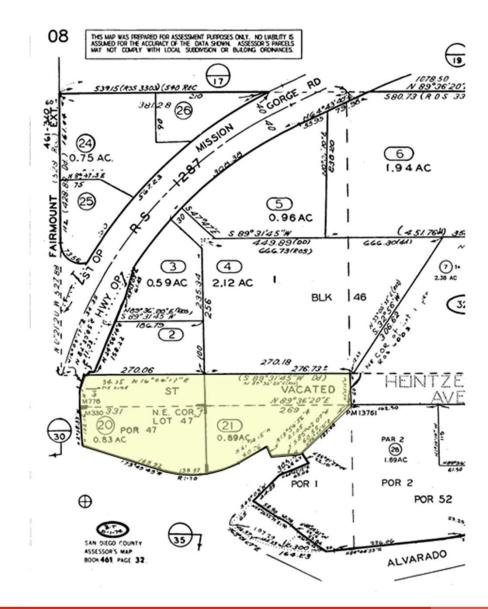
Sharon Cooney Chief Executive Officer

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

Attachment: A. Parcel Map

# 5801 and 5805 Fairmount Ave

- Grantville area
- Total: 1.72 acres;
   10,000sf industrial building
- Purchased by MTS in 2001 as part of Mission Valley East Project
  - Trolley guideway
  - TPSS





# Surplus Land Declaration 5801 and 5805 Fairmount Ave (San Diego)

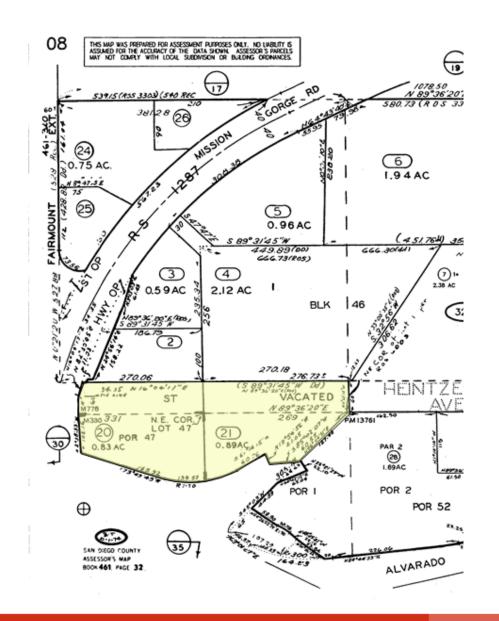
Agenda Item No. 7

March 4, 2021
MTS Executive Committee Meeting



# 5801 and 5805 Fairmount Ave

- Grantville area
- Total: 1.72 acres;
   10,000sf industrial
   building
- Purchased by MTS in 2001 as part of Mission Valley East Project
  - Trolley guideway
  - TPSS





### 5801 and 5805 Fairmount Ave





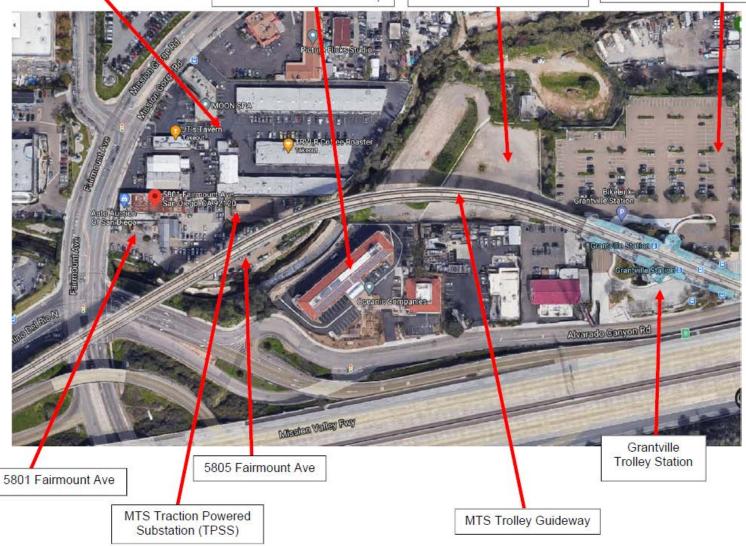
#### 5801 and 5805 Fairmount Avenue - Location Map

El Dorado Properties, Inc. Property

Affirmed Zephyr Project (85 units completed 2019 for homeless vets 30-40% AMI)

Site of future affordable housing TOD project (Affirmed "Shoreline" Project)

Site of future student-focused TOD housing project (Greystar)





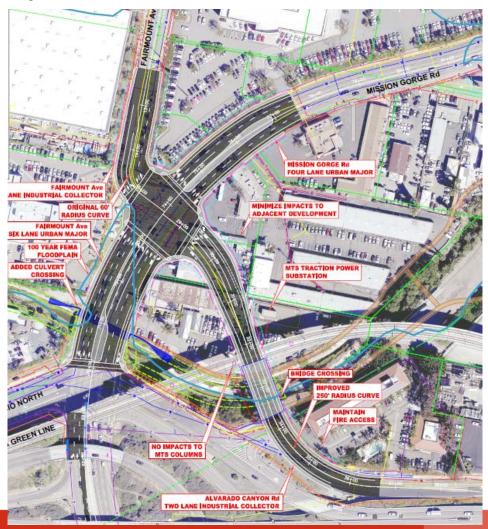
# El Dorado Properties, Inc. Request to Negotiate Property Sale

- Neighboring property owner; currently designing proposed residential development on adjacent property
- El Dorado expressed interest in purchasing the MTS property at 5801 and 5805 Fairmount Avenue
  - Would facilitate design/access for neighboring project
- Under AB 1486, MTS not allowed to negotiate with El Dorado unless and until:
  - Property formally declared "surplus land"
  - Required Notices of Availability sent to specified entities



# **Surplus Property Declaration**

- This property is not necessary for any current or future transit use
  - Easements for elevated trolley guideway and TPSS would be reserved in any sale
  - Significant portion may need to be dedicated to City of San Diego for Alvarado Canyon Road realignment





## **Surplus Property Declaration**

- Excess Property currently used for short term lease
  - \$93,000/yr gross revenue
  - Older facility has required various capital improvements and repairs in recent years
  - Staff time to manage tenants and maintenance



## RECOMMENDATION

That the Board of Directors declare the property located at 5801 and 5805 Fairmount Avenue, San Diego, California as "surplus land" for purposes of Government Code sections 54220, et seq.





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## Agenda Item No. 8

## MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM EXECUTIVE COMMITTEE

March 4, 2021

SUBJECT:

APPROVAL OF COMPLIMENTARY TRANSIT SERVICES (SHARON COONEY)

#### **RECOMMENDATION:**

That the San Diego Metropolitan Transit System (MTS) Executive Committee approve complimentary transit services to asylum seekers from the U.S.-Mexico border to various temporary lodging locations in San Diego for up to six weeks.

#### **Budget Impact**

If complimentary transit services were provided every day for six weeks, the cost to MTS would be \$45,360. The cost per day for one bus providing complimentary transit services is \$1.080.

#### **DISCUSSION:**

MTS Policy No. 40, "MTS: Complimentary Services", requires Executive Committee approval for MTS to provide complimentary transit services for any purpose not specifically covered in the policy. The policy generally allows for complimentary services related to transportation study groups, transportation association conferences, and marketing and promotional activities. As this request does not fall under the policy, it requires Executive Committee approval.

Jewish Family Service of San Diego (JFS), a nonprofit human services agency, in conjunction with various other nonprofits, the City of San Diego, and County of San Diego, are assisting asylum seekers crossing from the U.S.-Mexico border to acquire transportation and temporary lodging. JFS has contacted MTS requesting transportation assistance for a limited duration basis to transport asylum seekers from the U.S.-Mexico border to various temporary lodging locations in San Diego for up to six weeks.









Staff will provide a verbal presentation on this request and seek feedback and approval from the Executive Committee.

/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 Policy No. 40

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

#### **Policies and Procedures**

No. <u>40</u>

SUBJECT: Board Approval: 4/29/04

METROPOLITAN TRANSIT SYSTEM (MTS): COMPLIMENTARY SERVICES

#### PURPOSE:

The purpose of this policy is as follows:

- a. To establish a framework of rules governing when MTS and MTS operators may provide complimentary tickets or services.
- b. To support MTS's and MTS operators' marketing and promotional efforts.
- c. To recognize appropriate obligations as a host for the transit industry and government officials.

#### **BACKGROUND:**

MTS and MTS operators receive numerous requests from public, nonprofit, and private-sector groups to provide complimentary tickets and/or special services. In addition, there are certain industry obligations that arise out of MTS and member agency affiliations with transit and city/county associations. Other requests come from visiting delegations of transit and public policy officials specifically interested in viewing some operational aspect of the MTS network of services.

#### POLICY:

- 40.1 <u>Scheduled or Special Service to Private Sector, Nonprofit Groups, and Government Agencies</u>. MTS and MTS operators shall not provide free services to the private sector, nonprofit groups, or government agencies except as provided in Sections 40.2 and 40.3.
  - 40.1.1 The cost for special MTS operator services (bus, trolley, tickets, and passes) must be reimbursed in full.



- 40.1.2 MTS and MTS operators will provide reasonable technical and public relations assistance in coordinating private and/or public transportation services to move large numbers of people for major events (e.g., Super Bowl, America's Cup, World Series).
- 40.2 <u>Host Obligations for Transportation Study Groups, Transportation Associations.</u>
  MTS and MTS operators may provide complimentary services to certain groups complying with the definitions below.
  - 40.2.1 MTS and MTS operators may provide limited-duration complimentary passes for members of study groups in San Diego for the express purpose of viewing and studying the MTS network.
  - 40.2.2 MTS and MTS operators may provide limited duration complimentary passes for meetings of recognized state, national, and international public transportation associations (e.g., American Public Transportation Association [APTA], California Transit Association).
  - 40.2.3 MTS operators will allow all local, state, and federal-sworn peace officers, in uniform or in civilian clothes, to ride on scheduled bus and trolley routes without charge. This is deemed as a benefit to both riders and law enforcement agencies. Sworn peace officers include, but are not limited to: all municipal police department officials, all County Sheriff Department deputies, County Marshals, all County of San Diego Probation officers, State Highway Patrol officers, State Police, U.S. Marshals, Federal Bureau of Investigation officers, and U.S. Immigration and Customs officers.
  - 40.2.4 For purposes of Sections 40.2.1 and 40.2.2, dedicated vehicles may be provided only if they do not interfere with the provision of regularly scheduled MTS service.
- 40.3 <u>Marketing and Promotional Activities</u>. There are certain opportunities where targeted promotion and introductory programs would be geared to increasing ridership.
  - 40.3.1 MTS and MTS operators may provide complimentary or reduced-cost fare media as part of a specific marketing or promotional campaign designed to increase productivity of a specific route or service.
  - 40.3.2 MTS and MTS operators will evaluate each marketing or promotional campaign to ensure that the expenditure of public funds is warranted and is recovered through increased ridership and/or public recognition.

40.4 MTS Executive Committee Review and Approval. Where the cost of complimentary MTS and MTS tickets or services is expected to exceed \$5,000, or is not specifically covered by this Policy, the specific use must be approved by the Executive Committee. Funds to cover the cost must be identified from the MTS and/or affected MTS operator's budget.

TFL:ILM/LST/SC/JG POLICY.40.MTS COMPLEMENTARY SERVICES 7/18/06

This original policy adopted on 9/12/91. Policy revised on 4/29/04.



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### **Agenda**

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

March 11, 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 call the Clerk of the Board at least two working days prior to the meeting. Meeting webinar/teleconference instructions can be accessed under 'Additional Materials' at the following link: <a href="https://www.sdmts.com/about-mts-meetings-and-agendas/board-meetings">https://www.sdmts.com/about-mts-meetings-and-agendas/board-meetings</a>

ACTION RECOMMENDED

- 1. Roll Call
- 2. Approval of Minutes March 11, 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. El Cajon Third Track Special Trackwork Materials – Contract Award Approve Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. L1569.0-21, with Voestalpine Railway Systems Nortrak, Inc., ("Voestalpine"), for the one-time supply of special trackwork materials, in the amount of \$503.871.33, effective April 1, 2021, 7. Blue Line Right Of Way Fence Improvements - Construction Change Orders **Approve** (CCO) Action would authorize the Chief Executive Officer (CEO) to execute CCO MTSJOC275-13.01 under Job Order Contract (JOC) Work Order MTS Doc. No. PWG275.0-19 with ABC Construction Co., Inc. (ABC), in the amount of \$166,984.80 for the replacement of additional chain link fencing along the Blue Line right-of-way. 8. Superloop Paver Replacement – Work Order Agreement Approve Action would authorize the Chief Executive Officer (CEO) to execute Work Order MTSJOC275-18 under Job Order Contract (JOC) MTS Doc. No. PWG275.0-19 with ABC Construction Co., Inc. (ABC), in the amount of \$168,500.75 for the replacement of damaged pavers with concrete along the SuperLoop route. 9. Rail Welding Services - Contract Award Approve Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWL323.0-21, with Railworks Track Services, Inc., for rail welding services, for five (5) years effective May 1, 2021, in the amount of \$277,171.27. 10. Fare Collection Change Orders – Contract Amendment Approve Action would authorize the Chief Executive Officer (CEO) to execute Amendment No. 6 to MTS Doc. No. G2091.0-18, with Innovations in Transportation, Inc. (INIT), for a total contract increase of \$765,271.76. 11. Building C Security Restroom & Locker Room Rehabilitation -Work Order **Approve** Agreement 12. Engine Transmission Overhaul & Cummins Parts - Contract Award Approve

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. Nos. B0719.0-21 to Harbor Diesel and Equipment (Group I), B0727.0-21 to Cummins, Inc. (Group II), and B0728.0-21 to Cummins, Inc., B0729.0-21 to Aftermarket Parts, and B0730.0-21 to Muncie Transit Supply (Group III) for Engine Transmission Overhaul and Cummins Parts for five (5) years for a

13. Crosstie and Grade Crossing Improvements – Contract Award Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWL325.0-21, with Veterans Engineering Services, Inc., a Disabled Veteran Business Enterprise (DVBE), for Crosstie and Grade Crossing Improvements in the amount of \$2,358,317.36 plus 20% contingency.

total amount of \$12,458,722.24.

Approve

14. Transit Vehicle Wrap Production and Installation Services – Contract Award Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. G2437.0-21, with Turbo Images, for the provision of Transit Vehicle Wrap Production and Installation Services for a three (3)-year period in the amount of \$200,627.83.

**Approve** 

15. <u>Application for Volkswagen (VW) Environmental Mitigation Trust (Trust) Fund</u>
<u>Bus Replacement Program</u>

Approve

Action approve Resolution No. 20-2, authorizing the application for rebates of up to \$720,000 in VW Trust funds for the current and future purchase of battery electric buses.

16. Property Insurance Renewal

Approve

Action would authorize the Chief Executive Officer (CEO) to renew the property insurance coverage for the San Diego Metropolitan Transit System (MTS), San Diego Transit Corporation (SDTC), and San Diego Trolley, Inc. (SDTI) with the Public Risk Innovation, Solutions, and Management (PRISM) [formerly known as the California State Association of Counties – Excess Insurance Authority (CSAC-EIA)] Property Insurance Program, effective March 31, 2021, through March 31, 2022, with various coverage deductibles of \$25,000 (real estate and personal contents property), \$100,000 (bus fleet), \$250,000 (light rail fleet) and \$1,500,000 (roads, bridges and tunnels).

#### **CLOSED SESSION**

24.

#### NOTICED PUBLIC HEARINGS

25. Public Hearing: Mid-Coast Feeder Bus (Denis Desmond)

Informational

#### **DISCUSSION ITEMS**

30. <u>Support for Regional Comprehensive Fare Ordinance Changes (Israel</u> Maldonado and Rob Schupp)

Approve

#### REPORT ITEMS

45. Free Transfer Consideration (Rob Schupp)

Informational

46. Zero Emission Bus (ZEB) Pilot Performance and Transition Plan Update (Mike Wygant and Kyle Whatley)

Informational

#### OTHER ITEMS

60. Chair Report

Informational

61. Chief Executive Officer's Report

Informational

#### 62. <u>Board Member Communications</u>

Informational

#### 63. <u>Additional Public Comments Not on the Agenda</u>

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: April 8, 2021.
- 65. Adjournment



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

## Agenda Item No. 6

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

March 11, 2021

Draft for Executive Committee Review Date: 03/04/2021

SUBJECT:

EL CAJON THIRD TRACK SPECIAL TRACKWORK MATERIALS – 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. L1569.0-21 (in substantially the same format as Attachment A), with Voestalpine Railway Systems Nortrak, Inc., ("Voestalpine"), for the one-time supply of special trackwork materials, in the amount of \$503,871.33, effective April 1, 2021.

#### **Budget Impact**

The total budget for this project shall not exceed \$503,871.33. This project is funded by Capital Improvement Project (CIP) 2005113501 - El Cajon Third Track.

#### **DISCUSSION:**

MTS is looking for a contractor to furnish and deliver special trackwork items that consist of a new crossover, turnout, and switch machines. These track items are required for the upcoming El Cajon Third Track Project, a construction project that will add a new platform to the El Cajon Transit Center.

The work of adding the third track at El Cajon Transit Center will be completed by a third party contractor; however, by having MTS procure and furnish these long lead time items, approximately 6 months will be saved on the project duration. The new crossover and turnover will be utilized to facilitate the movement of light rail vehicles between tracks 1, 2, and 3 and the switch machine is the mechanism whereby the Operation Control Center (OCC) aligns the rail to the desired direction.









On January 13, 2021, MTS issued an Invitation for Bids (IFB) to purchase special trackwork materials. Two bids were received by the due date of February 12, 2021 from the following bidders:

Name	Amount	Sales Tax	Overall Total Amount		
Voestalpine	\$467,630.00	\$36,241.33	\$503,871.33		
Progress Rail	\$487,240.00	\$37,761.10	\$525,001.10		
MTS Independent Cost Estimate (ICE)	\$495,000.00	\$38,362.50	\$533,362.50		

MTS staff has deemed Voestalpine to be the lowest responsive and responsible bidder; and has determined their bid to be fair and reasonable by comparison of bids received and MTS's ICE as shown above.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. No. L1569.0-21, with Voestalpine, for the one-time supply of special trackwork materials, in the amount of \$503,871.33, effective April 1, 2021.

/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 Agreement MTS Doc. No. L1569.0-21

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: L1569.0-21

#### EL CAJON THIRD TRACK SPECIAL TRACKWORK MATERIALS

LL CAJON THIRD TRACK SELCI	AL INACKW	ORK MATERIALS
THIS AGREEMENT is entered into this  California by and between San Diego Metropolitan T and the following, hereinafter referred to as "Contract	ransit System	,
Name: Voestalpine Railway Systems Nortrak, Inc.	Address:	1740 Pacific Ave Cheyenne, WY 82007
Form of Business: Corporation (Corporation, Partnership, Sole Proprietor, etc.)  Telephone: (206) 255-4134	Email :	David.Millard@Voestalpine.com
Authorized person to sign contracts Dave M		CEO
Nan	ne	Title
The contract term is effective April 1, 2021 through April MTS has determined that 300 calendar days or less approval is a satisfactory time for delivery. Shop District to Proceed (estimated April 1, 2021) and there Payment terms shall be net 30 days from invoice da \$503,871.33 without the express written consent of Management 1, 2021 through April 1	s from the da Prawings shall shall be a 2-v te. The total o	be submitted within 30 days from veek drawing approval for MTS.
SAN DIEGO METROPOLITAN TRANSIT SYSTEM	VOESTA	ALPINE RAILWAY SYSTEMS NORTRAK, INC.
By:		
Sharon Cooney, Chief Executive Officer	Ву	
Approved as to form:		
By:	Title:	
Karen Landers, Office of General Counsel		



#### SCOPE OF WORK/TECHNICAL SPECIFICATIONS

#### PART 1 GENERAL (NO. 10 LH CROSSOVER AND NO. 10 RH TURNOUT)

#### 1.1. SUMMARY

The San Diego Metropolitan Transit System (MTS), on behalf of San Diego Trolley, Inc. (SDTI), is inviting qualified Suppliers to submit bids for special trackwork materials as they are further described in the specification below.

The specification provides the minimum technical requirements for the supply of the special trackwork materials for the project, and the Supplier shall furnish all labor, materials, equipment and services required to supply the materials described in this specification.

#### 1.2. DESCRIPTION OF WORK

The work consists, in general, of furnishing and delivering a new No. 10 left hand crossover (consisting of two individual left-hand turnouts) with 14ft track centers and a new No. 10 right hand turnout. Both shall be including high strength 115RE rail elements, switch machine(s), welded boltless manganese frog(s), and No. 1 treated hardwood tie set. The special trackwork materials shall be assembled by the Contractor (Others).

The Supplier shall be responsible for all costs associated with the supply, delivery, and offloading of the trackwork materials.

All materials supplied by the Supplier shall meet the requirements of local safety, environmental and other applicable standards, rules and regulations applicable in the State of California.

All materials supplied by the Supplier are subject to inspection and testing by MTS, their representative, or other independent agencies to confirm compliance with the specifications. The Supplier shall supply samples of the materials to be tested if requested by MTS.

All materials which do not comply with this specification, or materials which, notwithstanding tests, inspection or acceptance are found to contain deficiencies, will be subject to rejection.

#### 1.3. CODES AND STANDARDS

Applicable codes and standards include, but are not limited to:

- A. SANDAG General Design Criteria (2014)
  <a href="https://www.sandag.org/uploads/publicationid/publicationid\_1897\_18414.pdf">https://www.sandag.org/uploads/publicationid/publicationid\_1897\_18414.pdf</a>
- B. SANDAG LRT Design Criteria (2014) https://www.sandag.org/uploads/publicationid/publicationid\_1896\_18413.pdf
- C. AREMA Manual of Railway Engineering (2019)
- D. AREMA Portfolio of Trackwork Plans (2014)
- E. American International (ASTM) Standards:
  - i. ASTM E10-18 Standard Test Method for Brinell Hardness of Metallic Materials

ii. ASTM E164-97 Standard Practice for Ultrasonic Contact Examination of Weldments

#### 1.4. SUBMITTALS

Supplier shall provide Shop Drawings including but not limited to the following components for MTS to review prior to fabrication:

- A. No. 10 Crossover track geometry and general arrangement
- B. No. 10 Crossover timber switch tie layout
- C. No. 10 Turnout track geometry and general arrangement
- D. No. 10 Turnout timber switch tie layout
- E. 19'-6" curved switch pack, including all components
- F. Welded boltless manganese frog pack, including all components
- G. 16'-6" guard rail assemblies

Final Shop Drawings including a complete bill of materials shall be provided by the Supplier at the end of the project. The Shop Drawings shall be prepared electronically in both CADD format (AutoCAD or MicroStation) and PDF format (11" x 17" in size).

#### PART 2 MATERIALS

#### 1.5. SOURCE OF MATERIALS

The major quantities of steel and iron material that is permanently incorporated into the special trackwork shall consist of American-made materials.

Minor amounts of foreign steel and iron may be utilized in this project provided the cost of the foreign material used does not exceed one-tenth of one percent (i.e. 0.1 percent) of the total contract cost or \$2,500.00, whichever is greater.

American-made material is defined as the material sourced domestically and having all manufacturing processes occurring domestically. This indicates that a domestic product is a manufactured steel material that was produced in one of the 50 States, the District of Columbia, Puerto Rico, or in the territories and possessions of the United States.

Manufacturing begins with the initial melting/mixing and continues through the final coating stage. Any process which modifies the chemical content, the physical size or shape, or the final finish is considered a manufacturing process. This includes but not limited to rolling, extruding, machining, bending, grinding, drilling, welding, and coating. The action of applying a coating to steel or iron is also considered a manufacturing process. Coating includes epoxy coating, galvanizing, aluminizing, painting, and any other coating that protects or enhances the value of steel or iron.

The following are considered to be steel manufacturing processes:

A. Production of steel by any of the following processes:

- i. Open hearth furnace.
- ii. Basic oxygen.
- iii. Electric furnace.
- iv. Direct reduction.
- B. Rolling, heat treating, and any other similar processing.
- C. Fabrication of the products.

American-made requirements do not apply to raw materials, scrap (recycled steel or iron), pig iron, and processed/pelletized/reduced iron ore.

A certification of materials origin shall be required as requested for any items comprised of, or containing, steel or iron materials prior to such items being incorporated into the special trackwork.

#### 1.6. TRACKWORK MATERIALS

The Supplier shall furnish all materials necessary to supply a new fully functional No. 10 left hand crossover and a new fully functional No. 10 right hand turnout, including, but not limited to, switch machines, switch machine mounting plates, switch points, stock rails, insulated gauge plates, switch plates, insulated switch rods, closure rails, turnout rails, tie plates, insulated joints, frogs, frog plates, guard rails and switch tie sets.

- A. <u>Crossover</u>: The crossover shall be composed by two No. 10 left hand turnouts with switch machines and high strength 115RE rail elements for 14'-0" track centers. See drawing TW-02 in the Attachments.
- B. <u>Turnout</u>: The turnout shall be a No. 10 right hand turnout with switch machine and high strength 115RE rail elements. See drawing TW-01 in the Attachments.

Each turnout / crossover shall include, but are not limited to, the following components:

- i. <u>Switch Machines</u>: Switch machines used for both the No. 10 crossover and the No. 10 turnout shall be Hitachi Rail STS (formerly known as Ansaldo STS) M23A type with Mechanical Circuit Controller package. Each switch machine shall include throw rod, lock rod, point detector rod, conduit/junction box, and associated hardware.
- ii. <u>Frogs</u>: Frogs shall be welded boltless manganese (WBM) type with flash-butt welded 115RE rail extensions. The frogs shall have a frog angle of 5°-43'-29".

Manganese steel castings shall be heavy wall design, tread bearing style, and in accordance with AREMA "Specifications for Special Trackwork" Section M2, "Manganese Steel Castings." Flangeway layout and depression of frog points shall be in accordance with AREMA Plan No. 600B-03.

Frog casting shall be heavy point design (27/32" wide at 5/8" point) with appropriate gauge face transitions into 115RE rail section. Running surfaces and gauge faces shall

be machined to conform to the 115RE rail section. Appropriate heel ramp and guard face flares shall be incorporated in the casting design.

Impact areas on the running surface of the frogs shall be explosive depth hardened (EDH) in accordance with Article M2.7, "Depth Hardening", to a minimum Brinell Hardness Number (BHN) of 370 for the areas within 1" of the gauge or guard lines, and the remaining areas to be hardened to a minimum BHN of 321.

The complete frog shall include a self-stabilized base matching 115RE rail profile and compatible with standard elastic fasteners. Toe and heel ends of the casting extension shall be profiled to match 115RE rail section and be flash-welded with 115RE rail extensions. Rail extension ends shall be left blank for field welding installation.

iii. Rails: All rail elements including running rails used shall be 115RE high strength head hardened (HH) rail and conform to AREMA Manual, Chapter 4, Part 1.1, "Recommended Rail Sections." The rails shall be carbon steel rail having a Brinell hardness of at least 370 BHN tested in accordance with ASTM E10-18, "Standard Test Method for Brinell Hardness of Metallic Materials.

The chemical composition of carbon steel rail shall be in accordance with AREMA Manual, Chapter 4, Part 2.1.3, "Chemical Composition and Mechanical Properties". Mill certificate shall be provided upon request.

iv. <u>Switch Points</u>: Switch points shall be in accordance with AREMA Plan No. 123-08, "19'-6" Curved Split Switch with Uniform Risers for Track Spikes or Screw Spikes". Switch points shall be planed and configured in accordance with AREMA Plan No. 221-12, Detail 5100. Switch points shall be designed for 4-3/4" throw at No. 1 switch rod and compatible with M23A switch machine applications.

Switch points shall be double reinforced (i.e. with minimum ½" thickness of D-bars) and equipped with floating switch heel blocks in accordance with AREMA Plan No. 221-12. Switch points shall be properly fitted against the matching stock rails and pre-assembled with required hardware to ensure form, fit, and function prior to shipment.

- v. <u>Stock Rails</u>: Stock rails shall be one curved and one straight for each turnout. The curved stock rail shall be pre-curved to the true designed turnout geometry of the turnout. Stock rails shall be undercut in accordance with AREMA Plan No. 221-12, "Details for Switch Points", Detail 5100, except as modified on the Shop Drawings.
- vi. <u>Insulated switch rods</u>: Switch rods shall be vertical style rod halves compatible with MJS clips and connected with insulated splices and hardware. All switch rods shall be dielectric strength tested prior to shipment. No.1 switch rod shall also include lost motion switch basket for M23A switch machine applications.

A front switch rod with a connecting basket shall be supplied for the connection to the lock rod and detector rod of the M23A switch machine.

vii. <u>Insulated Joints</u>: Insulated joints shall be bonded insulated joint type with 6-hole bars and 1/4-inch end post, and shall conform to AREMA Manual, Chapter 4, Part 3, Section 3.8, "Specifications for Bonded Insulation Rail Joints". Insulated joints shall be fully installed onto the associated rails as shown on the shop drawings prior to shipment. Huck

style fasteners are not acceptable.

viii. Closure Rails and Turnout Rails: Curved closure rails and turnout rails in the closure area shall be pre-curved to the true designed turnout geometry of the turnout.

Closure rails shall be fabricated six inches longer (with blank ends) than the lengths specified on the Shop Drawings and cut into proper length in the field by the Contractor (others) for welding.

- ix. Rail Joints: All rail joints excluding the insulated joints shall be welded in the field. The associated rail ends shall be left blank (i.e. without hole drillings) for field welding installation.
- x. <u>Guard Rails</u>: Guard rails for the WBM frogs shall be 16'-6" long with 115RE rail section. Guard rails shall be fabricated in accordance with AREMA Plan No. 504-03 and shall be made of carbon steel with Brinell Hardness of at least equal to that of the running rail.

Guard rails shall be located in accordance with AREMA Plan No. 502-13 and the standard gauge of 4'-8 ½" shall be maintained. Guard rail assemblies shall include separator blocks with steel shims to allow for setting the appropriate flangeway width.

- xi. <u>Rail Braces</u>: Rail braces used on the field side of the switch area supporting stock rails shall be boltless type and adjustable in increments of 1/8 inch or less and be of proven design meeting the requirements of AREMA Plan No. 224-08, "Switch Plates and Adjustable Boltless Rail Braces".
- xii. Other Castings: Castings shall be free of defects and in conformance to appropriate sections of the AREMA Specifications, Sections M2 through M5.
- xiii. <u>Bolts, Nuts, and Spring Washers</u>: Bolts, nuts and spring washers shall conform to the AREMA Specifications, Section M11, "Bolts and Nuts"; AREMA Manual, Chapter 4, Part 3, Section 3.5, "Specification for Heat-Treated Carbon Steel Track Bolts and Carbon Steel Nuts"; and Section 3.6, "Specification for Spring Washers".
- xiv. Rail Cutting, Drilling, and Deburring: Rails shall be cut square and clean by means of rail saws or abrasive cutting wheels in accordance with the AREMA Specifications, Section 6, "Workmanship". Torch cutting is prohibited.

Holes drilled in rails shall be 1-1/8 inches in diameter for 1-inch bolts and 1-1/2 inches in diameter for 1-3/8-inch bolts. All bolt holes in the trackwork components require minimum 1/16" chamfer to remove sharp edges. Punching holes in the rail is prohibited.

There shall be no additional holes in the rails or castings than those are required by the fasteners. Plugging existing holes in the web of the rail will not be permitted. All coring and drilling tolerances shall be in accordance with AREMA Specifications for Special Trackwork.

xv. <u>Timber Switch Ties</u>: Timber switch ties shall be hardwood ties with 7 inches by 9 inches in cross sectional dimensions. The switch tie sets shall include sufficient switch ties with appropriate lengths necessary to complete the turnout / crossover installations. The

number and lengths shown on the drawings in the Attachments are advisory only, and reference should be made to the AREMA Portfolio of Trackwork Plans. All ties shall undergo preservative treatment, be end plated, and tagged with tie numbers as shown on the Shop Drawings. The switch ties shall be pre-drilled with pilot holes during preassembly. Switch ties shall also conform to AREMA Manual, Chapter 30, Part 3.2, "Timber Switch Ties".

Headblock ties shall be 14'-0" long and dapped to accommodate for M23A switch machine applications.

- 10'-0" long switch ties shall be supplied and utilized as transitions between the standard concrete track and the special trackwork for a span of 4 ties ahead of the point of switch.
- xvi. <u>Elastic Fasteners</u>: Rail fasteners for timber switch ties shall be Pandrol Type E2055 Clips, or approved equivalent. Pandrol Type J clips, or approved equivalent, shall be installed at insulated joint locations.
- xvii. <u>Track Spikes</u>: Track spikes shall be screw type, 15/16 inch by 6-1/2 inches long, manufactured in accordance with AREMA Manual, Chapter 5, Part 10.1, "Specifications for Steel Screw Spikes (2012)", and to be used in conjunction with elastic fasteners.
- xviii. Switch Plates, Frog Plates, and Guard Rail Plates: Switch plates, frog plates, and guard rail plates shall be equipped with weld-on forged shoulders compatible with the project designated elastic fasteners. Plates to have holes drilled for screw spikes.
- xix. <u>Gauge Plates</u>: Gauge plates shall be manufactured in plate halves with weld-on forged shoulders compatible with the project designated elastic fasteners. The plate halves shall be joined by approved insulated gauge kits with insulated paint. All gauge plates shall be dielectric strength tested prior to shipment.
- xx. <u>Switch Machine Mounting Plates</u>: Switch machine mounting plates and associated hardware compatible with M23A switch machines shall be supplied and installed on the diverging side of the turnout / crossover as indicated on drawing TW-01 and TW-02 in the Attachments.
- xxi. <u>Tie Plates</u>: Tie plates shall be standard double shoulder type for 115RE rail section with a minimum of four screw spiking holes on each plate. Plates shall be designed to be used in conjunction with the project designated elastic fasteners and screw spikes.
- xxii. <u>Transition Tie Plates</u>: Tie plates with 1:80 canted rail seats shall be installed on the 10'-0" long transition ties for transitioning 1:40 canted rails on concrete ties to zero canted rails for the special trackwork ahead of the point of switch.
- xxiii. Marking and Tagging: Markings identifying the installation location of each component of the special trackwork shall be painted before shipment. Switch points, stock rails, closure rails, guard rails, turnout rails, and frogs shall be marked with stock number furnished by the Supplier. Such markings shall be placed on the side near the end of each piece, with letters and numerals not less than 2 inches high. Markings shall not be placed in any area which will be covered by other components. Markings shall be stencil painted with white paint on a background of permanent black steel paint. Markings shall be as follows:

- a) Switch point identification shall be accomplished by attaching an aluminum tag to the web of the gauge side of the rail. Tags shall identify switch geometry, total length, rail section, right hand or left hand, and stock number.
- b) Stock and closure rails shall have switch geometry, right hand or left hand, and stock number on the web at the end most remote from the location of the point of switch.
- c) Guard rail assemblies shall have a stock number on the web of the rail on the side opposite to machining.
- d) Frog casting identification shall include the frog number, rail section, stock number, and be etched into the casting on the non-running surfaces. Identification shall be clearly visible after turnout / crossover installation.
- e) Gauge plate assemblies, switch plates, frog plates, and switch rod assemblies shall have their stock numbers clearly stamped and on the field side, if applicable. Stamped letters and figures shall not be less than 1/2 inch in height, located on the top surface of the plates or non-serrated side of the rod halves, plainly visible when assembled, and not subject to wear. Markings shall include rail section, left hand or right hand, switch length, and plate number.
- f) The ends of each abutting rail section in each special trackwork layout shall be legibly die stamped with the joint number as shown on the Shop Drawings. Die stamping shall be done in figures not less than 5/8 inch high.
- g) All special trackwork components shall have their identification number marked.

#### PART 3 EXECUTION

#### 1.7. SHOP ASSEMBLY

The supplier shall pre-assemble the special trackwork unit, at their manufacturing facility to ensure accurate fabrication, compliance with dimensional tolerances, and switch throw movement.

Pre-assembly shall take place in a manufacturing shop on a raised level bed fully supported at every other fastener, as a minimum, prior to inspection, final acceptance and delivery. Alignments, gauges and curved offsets of the special trackwork shall be accurately set to represent its final installed position in the field. The assembled special trackwork shall be checked to ensure proper fit in conformance with the drawings and the specifications. Approved variations shall be incorporated into the final Shop Drawings for subsequent installations.

Place special trackwork plates, standard tie plates, and fasteners at locations shown on the Contract Drawings and approved Shop Drawings. Mark on the base of rails with paint to indicate design location of the plates.

Marking and tagging shall be applied on all special trackwork components as specified in these specifications prior to disassemble the special trackwork for shipment.

All materials shall be stored and handled to minimize rust, corrosion and bending. All rail ends shall be protected from physical damage after fabrication.

#### 1.8. QUALITY ASSURANCE

The Supplier shall implement a Quality Assurance Program that, as a minimum, meets the requirements of this Specification and the Supplier shall operate the said Quality Assurance Program from the date of receipt of Notice to Proceed (NTP) with the order until final delivery of the special trackwork.

Record copies of the inspection and testing documentation shall be provided to MTS upon request for Quality Assurance audits and verifications.

#### 1.9. INSPECTION

All materials supplied by the Supplier shall be subject to inspection and testing at the Supplier's plant by MTS, their representative, or other independent agencies to confirm compliance with the specifications prior to shipment to the project site. The supplier shall provide the Inspector, without any charges, all necessary facilities to examine the work during its progress as well as the finished product to satisfy the inspector that the final special trackwork comply with the specifications.

The final special trackwork shall not be packaged for shipment without being released or approved by MTS. Special trackwork shipped before release or approved by MTS shall be subject to rejection and may be returned to the Supplier who shall be responsible for the expenses of handling and transport in both directions.

#### 1.10. HANDLING AND DELIVERY

All rails and special trackwork components shall be handled carefully and delivered in open top containers to avoid damage by kinking, bending, nicking, or other potential damage to the rails. Rails and special trackwork components shall not be dropped or struck sharply. Handling and delivery shall be in accordance with the accepted industry practice.

Switch points, switch rods, guard rails, and frogs shall be delivered assembled with the associated fasteners / components attached. Stock rail and the matching switch point shall be bundled together.

Small loose parts and miscellaneous hardware shall be delivered in secure boxes and kegs, each weighing shall be no more than 80 pounds.

All bundles, boxes and kegs shall be clearly marked with the following information:

- A. Supplier's name
- B. Delivery date
- C. Identification of items contained
- D. Number of pieces
- E. Gross weight

All materials are to be delivered to the MTS C Yard located at 1535 Newton Ave, San Diego CA, 92113.

Notify MTS, minimum 48 hours prior to delivery. Contact info will be released upon contract award.

Delivery of all orders must be shipped in a timely manner. MTS has determined that 300 calendar days or less from the date of receipt of the Shop Drawings approval is a satisfactory time for delivery. Shop Drawings shall be submitted within 30 days from NTP and there shall be a 2-week drawing approval for MTS. All orders must be delivered complete within this time frame unless otherwise approved by MTS.

The deliverable provided under this contract shall be delivered F.O.B. to the address 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. 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, destruction 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).

#### PART 4 MEASUREMENT AND PAYMENT

#### 1.11. MEASUREMENT AND PAYMENT

"Furnish a new No. 10 Left Hand Crossover with two M23A Switch Machines" and "Furnish a new No. 10 Right Hand Turnout with a M23A Switch Machine", each shall be measured as a unit for payment as shown on the plans.

The contract price paid for "Furnish a new No. 10 Left Hand Crossover with two M23A Switch Machines" and "Furnish a new No. 10 Right Hand Turnout with a M23A Switch Machine" shall include full compensation for furnishing all labor, materials, equipment, tools, and incidentals, and for doing all the work involved in delivering and offloading the final products to a designated location in San Diego; including but not limited to submittals, shop drawings, and work plans; switch machines with associated rodding; 115RE rails/components; welded boltless manganese frogs and associated guard rail assemblies; manganese steel tip switch points; switch rods; timber switch ties; insulated joints; plates; and other track materials (OTM), as specified in this Specification, and as directed by MTS.

#### 1.12. INVOICING

Invoices must be sent to the MTS Accounting Department, via email, at <a href="mailto:ap@sdmts.com">ap@sdmts.com</a>. 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.

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.

#### **BID SUMMARY (2/12/21)**

MTS Doc No: L1569.0-21

El Cajon 3rd Track Special Trackwork Materials

			MTS Indepe Estimat	
Item Description	UOM	Qty	Unit Cost	Extended
No.10 Turnout	ea	1	\$130,000.00	\$130,000.00
No.10 Crossover	ea	1	\$260,000.00	\$260,000.00
Switch Machine	ea	3	\$35,000.00	\$105,000.00
	\$495,000.00			
Total	\$0.00			
Ov	erall T	otal (l	Basis for Award)	\$495,000.00

Total Board Approval	<b>\$555,562.50</b>
Total Board Approval	\$533,362.50
CA Sales Tax	\$38,362.50
all Total (Basis for Award)	\$495,000.00

Voestalpine							
Unit Cost	Extended						
\$221,626.00	\$221,626.00						
\$116,689.00	\$116,689.00						
\$43,105.00	\$129,315.00						
	\$467,630.00						
	\$0.00						
	\$467,630.00						

Progressive Rail							
Unit Cost	Extended						
\$122,305.00	\$122,305.00						
\$244,425.00	\$244,425.00						
\$40,170.00	\$120,510.00						
	\$487,240.00						
	\$0.00						
	\$487,240.00						
	фо <b>л</b> 704 40						



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

## Agenda Item No. $\frac{7}{2}$

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

March 11, 2021

Draft for Executive Committee Review Date: 03/04/2021

SUBJECT:

BLUE LINE RIGHT OF WAY FENCE IMPROVEMENTS – CONSTRUCTION CHANGE ORDERS (CCO)

#### **RECOMMENDATION:**

That the San Diego Metropolitan System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute CCO MTSJOC275-13.01 under Job Order Contract (JOC) Work Order MTS Doc. No. PWG275.0-19 (in substantially the same format as Attachment A) with ABC Construction Co., Inc. (ABC), in the amount of \$166,984.80 for the replacement of additional chain link fencing along the Blue Line right-of-way.

#### **Budget Impact**

The cost associated with the CCO will not exceed \$166,984.80. Under separate contract, MTS Doc No. L1282.1-16, with The Gordian Group, MTS will pay a 1.76% JOC software license fee in the amount of \$2,938.93. This project is funded by MTS Capital Improvement Project (CIP) 2006112001 – Fencing Improvement – Blue Line.

The construction cost is as follows:

Work Order No.	Purpose	Amount	Board Approval Date
MTSJOC275-13	Original Work Order	\$189,597.05	11/12/20, Item 18
MTSJOC275-13.01	Replacement of additional chain link fence.	\$166,984.80	Today's proposed action.
	Total:	\$356,581.85	

#### DISCUSSION:

An existing Blue Line fence runs along the railroad property line and separates the railroad from adjacent public and private properties. Each year, MTS staff seeks CIP funding to replace sections of the chain link fence that are missing, damaged or beyond









useful life.

On November 12, 2020, the MTS Board approved Work Order MTSJOC275-13 under MTS Doc No. PWG275.0-19 with ABC to remove and replace approximately 2,200 linear feet of fencing at various locations on the Blue Line, as part of the Blue Line Fencing Improvement project.

Today's proposed action would increase the total length of fencing to be replaced by approximately 1,672 linear feet, to improve security and safety along the railroad.

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 catalogue 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 catalogue. Each contractor then includes an adjustment factor, escalating their proposed price from the catalogue price, to determine the total cost of the task order. The adjustment factor represents an average percentage increase over the catalogue price (i.e. 1.25 adjustment factor represents 25% above the catalogue 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 ABC was the lowest responsive and responsible bidder. On June 13, 2019, the MTS Board authorized the CEO to execute MTS Doc. No. PWG275.0-19 with ABC for Civil Construction Services.

A change order amendment will be issued to ABC for the removal and replacement of additional fencing along the Blue Line, including all materials, labor, equipment, and disposal costs to complete the work. Work is expected to be complete in early spring 2021.

Pricing for this task order was reviewed and determined to be fair and reasonable.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute CCO MTSJOC275-13.01 under JOC Work Order MTS Doc. No. PWG275.0-19 with ABC, in the amount of \$166,984.80 for the replacement of additional chain link fencing along the Blue Line right-of-way.

/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 CCO MTSJOC275-13.01, MTS Doc No. PWG275.0-19



#### **CONSTRUCTION CHANGE ORDER**

Project Name:	Blue Line Right of Way		ts		ate:	3/11/21	
Го:	MTS			Contract Num	hor	MTSJOC275-13	
	ABC Construction	Co., Inc.	_	CCO Num	-		
December 5 11	M-ulr	Fieldment Di	ativa laassasi				
Description of V This CCO is pred	<u>Vork</u> pared in accordance	Fieldwork Dire		L Changes and Ex	(tra \	Work of the Contr	act Documents
and consists of:				-			
ncreasing the to	tal length of fencing	to be replaced, b	y approximate	ely 1,672 linear fo	eet.		
A. Contractor C	ost Proposal						
55.11.45101 0	i opoodi			\$166,984.80 L.\$	2		
				L.S			
-						Subtotal A: \$	166,984.80
B. Subcontracto	ors Costs						
				\$ -			
						Subtotal B: \$	-
C. Contractor C	redits						
						Subtotal C: \$	-
				Total = (A + B	+ C)	Total: \$	166,984.80
Original Contract va	alue:					\$	189,597.05
Adjustment by Char	nge Order No. X through	Change Order X_(if	applicable)			\$	-
Adjustment by this	Change Order					\$	166,984.80
New Contract Amou	ınt			То	tal:	\$	356,581.85
	to this Change Order will be:	☑ Increased	□ Decreased	☐ Unchanged		by 90	days
Original Completion		Change Order V (if	annlicable)		-	3/4/2	1
Adjustment by Char Adjustment by this	nge Order No. X through Change Order	Gliange Order A (II	аррисавіе)		ŀ	90	
New Completion Da	_				ľ	6/2/2	
Ailestones Affected:	None				-		
Contractor	Data		MTC	Chief Everything Of	ficer	Date	<del></del>
Contractor	Date:		MIS	Chief Executive Of	ncer	Date	<b>∌</b> :
	Follow all applicable	e procedures and p	provide all approx	oriate documentation	on as	required by	

# EXHIBIT A (Scope of Work)

#### San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



**Final Scope of Work** 

Date: 2/16/2021

**Job Order Contracting** 

To: From:

Contract No: PWG275.0-19

Job Order No: MTSJOC275-13.01

Job Order Title: BL Fence Replacement

**Location:** Blue Line ROW

1255 Imperial Ave San Diego, CA 92101

**Brief Scope:** This job order supplemental is the installation of 880 LF of chain link fence and

two (2) EA sliding gates along the MTS right-of-way on the Blue Line located on the Southeast corner of Palm Ave and Industrial Blvd and the removal of 150 LF of chain link fence and the installation of 60 LF of chain on near the Beyer Bridge (Segment 3) and the replacement 732 LF of chain link fence from Precision Park

Ln to Dairy Mart Rd.

The Contractor shall complete the construction of this project in its entirety and shall provide all labor, materials, equipment, and traffic control, procuring all materials and performing all other work necessary to complete the work in accordance with the Detailed Scope of Work along with Conformed Special Provisions.

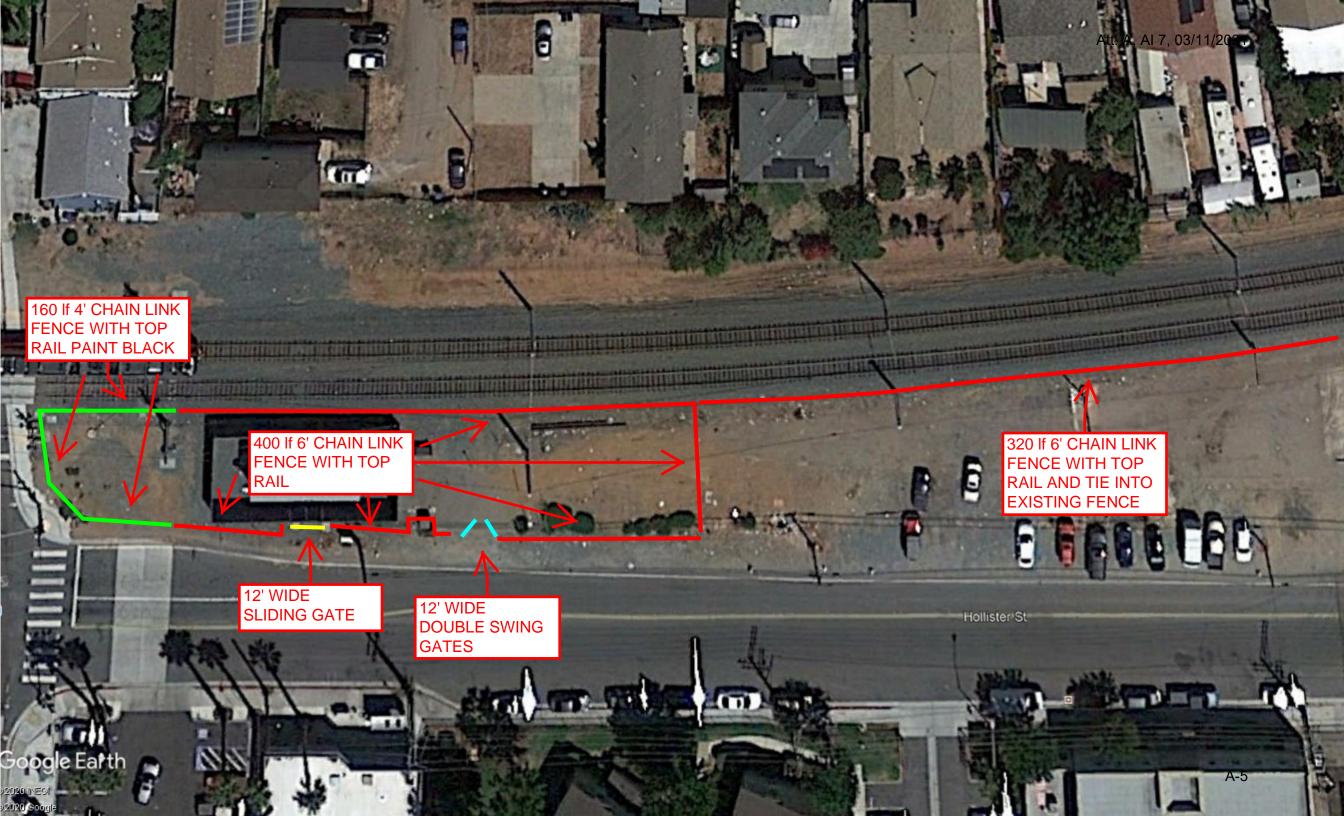
This job order supplemental is the installation of 880 LF of chain link fence and two (2) EA sliding gates along the MTS right-of-way on the Blue Line located on the Southeast corner of Palm Ave and Industrial Blvd and the removal of 150 LF of chain link fence and the installation of 60 LF of chain on near the Beyer Bridge (Segment 3) and the replacement 732 LF of chain link fence from Precision Park Ln to Dairy Mart Rd.

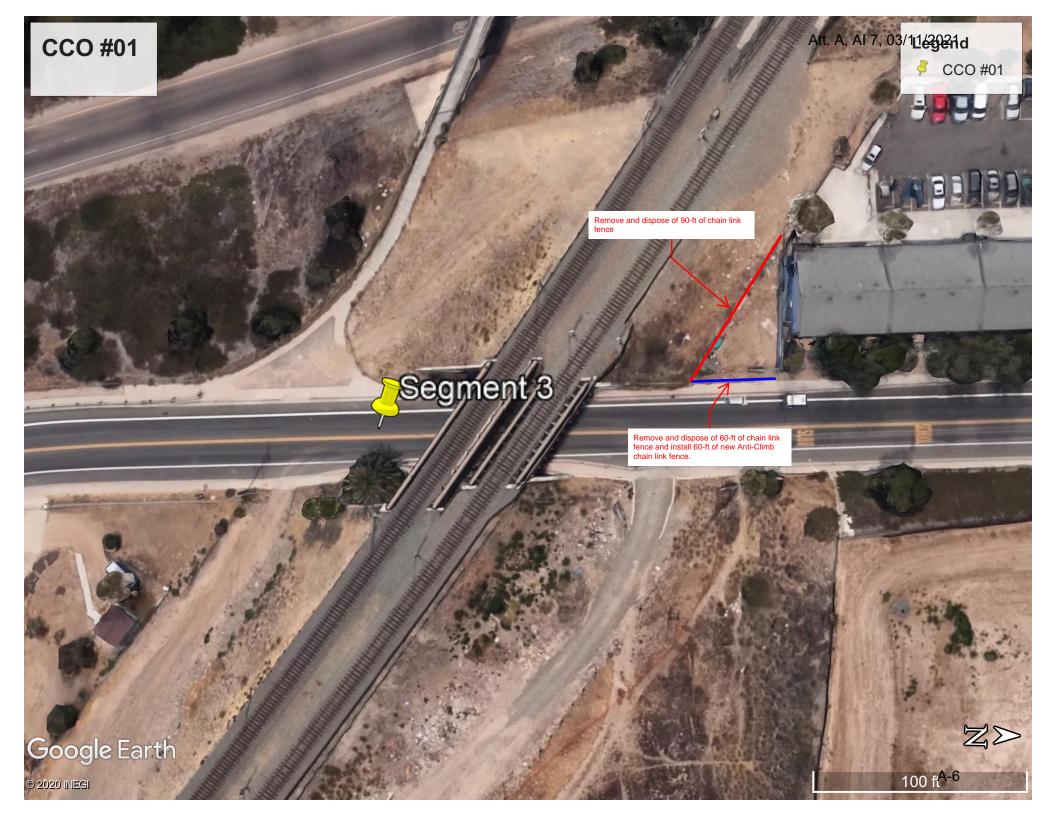
The contactor shall:

Contractor is to install 160 LF of 4' chain link fence with top rail (painted black), 720 LF of 6' of chain link fence with top rail, 1 EA - 12' wide sliding gate, and 1 EA - 12' wide double swing gates per MTSJOC275-13.01\_Drawings as provided by MTS on the Southeast corner of Palm Ave and Industrial Blvd.

Contractor is to remove 150 LF of existing chain link fence and install 60 LF of new Anti-Climb chain link fence per MTSJOC275-13.01\_Drawings as provided by MTS located near the Bever Bridge in San Ysidro.

Contractor is to remove and replace 732 LF of 6' chain link fence from Palomar Trolley 11/2021 Station. Existing posts are to be cut flush at ground level and existing footings are to be abandoned in place. New footings spoils to be spread on site. Fence to be standard 6' high with 2" mesh and top rail per SDM-112 and MTSJOC-13.01_Drawings as provided by MTS.
Specifications:
All work shall conform to the Special Provisions within the executed MTS Job Order Contract (JOC) PWG275.0-19 and MTSJOC275-13.
Owner Project Manager Date







# EXHIBIT B (Cost Breakdown)



## Att. A ALT 03/11/2021 Detail By Category Report

Version: 2.0

Approved 02/12/2021 09:35:48 AM PST

JOC Name (Contractor): ABC Construction Co., Inc.
Contract Name: 2019 - General Civil - ABC

Contract Number: PWG275.0-19

Job Order Number: MTSJOC275-13.01

Job Order Title: BL Fence Replacement

**Location:** Blue Line ROW

Cost Proposal Date: February 12, 2021

**Proposal Value:** \$166,984.80

Category 1	Category 2	Category Totals
Beyer and Dairy Mart		\$30,220.02
Beyer Bridge		\$12,092.90
Hollister & Palm		\$23,597.48
No Category		\$3,843.14
		\$69,753.54
	Proposal Total(Filtered):	\$69,753.54
	The Percentage of Non Pre-Priced on this Proposal:	0.00%

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Print Date: 02/16/2021 03:29:24 PM PST



Att. Price Proposal Detail

By Category Report

Version: 2.0

Approved 02/12/2021 09:35:48 AM PST

JOC Name (Contractor): ABC Construction Co., Inc.

Contract Name: 2019 - General Civil - ABC

Contract Number: PWG275.0-19

Job Order Number MTSJOC275-13.01

Job Order Title BL Fence Replacement

**Location:** Blue Line ROW

Cost Proposal Date: February 12, 2021

Proposal Value: \$166,984.80

Rece	ord#	CSI Number	MOD	UOM	Description						Total
Category 1 :Beyer an	d Dair	y Mart									\$30,220.02
	1	012223000269		DAY	700 LB Capacity, 30	6" V	Vide, Skid-Ste	er Lo	oader With	Full-Tim	e Operator
		Accepted	•		Quantity	x	Unit Price	х	Factor	=	LineTotal
			Installation	DAY	3.00	х	\$942.71	Х	1.1918	=	\$3,370.57
Equipmen	t Exclu	ded								-	\$3,370.57
		User Not	e:								
		Item Not	e:								
		Owner Comment	s:								
,	Cont	ractor Comment	s:								
	2	012223000270		WK	700 LB Capacity, 30	6" V	Vide, Skid-Ste	er Lo	oader With	Full-Tim	e Operator
		Accepted	•		Quantity	x	Unit Price	х	Factor	=	LineTotal
			Installation	WK	2.00	х	\$4,177.53	Х	1.1918	=	\$9,957.56
Equipmen	t Exclu	ded								_	\$9,957.56
		User Not	e:								
		Item Not	e:								
	(	Owner Comment	s:								
	Cont	ractor Comment	s:								
	3	012223001350		DAY	500 To 600 Gallon	Wat	er Trailer With	n Pu	mp		
		Accepted	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
			Installation	DAY	3.00	х	\$117.05	Х	1.1918	=	\$418.50
Labor Excluded	E	quipment Exclud	ed							_	\$418.50
		User Not	e:								
		Item Not	e:								
		Owner Comment	s:								
	Cont	ractor Comment	s:								

Price Proposal Details Report

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Approved 02/12/2021 09:35:48 AM PST

	4	012223001351		WK	500 To 600 Gallon	Wa	ter Trailer Wit	h Pu	mp		
		Accepted	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		In	stallation	WK	2.00	х	\$300.25	Х	1.1918	=	\$715.6
abor Excluded		Equipment Excluded	ı								\$715.6
		User Note:									
		Item Note:									
		Owner Comments:									
	C	Contractor Comments:									
	5	015626000175		LF	48" High With Post	s At	8' On Center	, Pla	stic Mesh	Tempor	ary Safety Fence
		Accepted	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		In	stallation	LF	732.00	х	\$2.49	Х	1.1918	=	\$2,172.2
Equip	ment Ex	ccluded								•	\$2,172.2
		User Note:									
		Item Note:									
		Owner Comments:									
	C	Contractor Comments:									
	6	017113000002		EA	First 25 Miles, Equi Using A Rollback F			Picku	p, Mobiliz	ation An	d Demobilization
		Accepted	_		Quantity	Х	Unit Price	Х	Factor	=	LineTota
		In	stallation	EA	1.00	Х	\$232.89	Х	1.1918	=	\$277.5
		<b>Materials Excluded</b>									\$277.5
		User Note:	bobcat								
		Item Note:	dismantli steer load	ng, loa ders (b	g, tie-down of equipm ding for return and tra obcats), industrial wa l articulating boom ma	ansp ireh	oorting away. ouse forklifts,	For e	equipment epers, sci	such as	trenchers, skid-
		Owner Comments:									
	C	Contractor Comments:									
	7	Contractor Comments: 017413000003		CY	Collect Existing De	bris	And Load Into	o Tru	ıck Or Dui	mpster	
			_	CY	Collect Existing De				r Dui	mpster =	LineTota
		017413000003 Accepted	- stallation	CY		х		х		<u> </u>	
		017413000003 Accepted	-		Quantity	х	Unit Price	х	Factor	=	\$2,394.3
		017413000003 Accepted	- stallation		Quantity	х	Unit Price	х	Factor	=	\$2,394.3
		017413000003  Accepted  In  Materials Excluded	- stallation	CY	<b>Quantity</b> 100.00	х	Unit Price	х	Factor	=	\$2,394.3
		017413000003  Accepted  In  Materials Excluded  User Note:	stallation  Per CY o	CY	<b>Quantity</b> 100.00	х	Unit Price	х	Factor	=	\$2,394.33 \$2,394.33

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8	017419000036	TON	General Refuse						
	Accepted		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	TON	200.00	Х	\$42.61	х	1.1918	=	\$10,156.52
	<b>Equipment Excluded</b>							_	\$10,156.52
	User Note:								
	Item Note:								
	Owner Comments:								
Co	ontractor Comments:								
9	017419000047	EA	Hauling With 16 To	20	CY Dump Tru	ck, l	Jp To 15 M	liles	
	Accepted		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	EA	5.00	х	\$127.04	Х	1.1918	=	\$757.03
	Materials Excluded							_	\$757.03
	User Note:								
	Item Note: Each fir	st 15 mi	es per trip						
	Owner Comments:								
Co	ontractor Comments:								
			Total For Category	orv	Bever and	Da	irv Mart:		\$30,220.02
	9	Accepted Installation Equipment Excluded User Note: Item Note: Owner Comments: Contractor Comments: 9 017419000047 Accepted Installation Materials Excluded User Note: Item Note: Each fire	Accepted  Installation TON  Equipment Excluded User Note:  Item Note:  Owner Comments:  9 017419000047 EA  Accepted  Installation EA  Materials Excluded User Note:  Item Note: Each first 15 mill  Owner Comments:	Accepted Quantity Installation TON 200.00  Equipment Excluded User Note:  Item Note:  Owner Comments:  9 017419000047 EA Hauling With 16 To  Accepted Quantity  Installation EA 5.00  Materials Excluded User Note:  Item Note: Each first 15 miles per trip  Owner Comments:  Contractor Comments:	Accepted Quantity x  Installation TON 200.00 x  Equipment Excluded User Note:  Item Note:  Owner Comments:  9 017419000047 EA Hauling With 16 To 20  Accepted Quantity x  Installation EA 5.00 x  Materials Excluded User Note:  Item Note: Each first 15 miles per trip  Owner Comments:  Contractor Comments:	Accepted Quantity x Unit Price Installation TON 200.00 x \$42.61  Equipment Excluded User Note:  Item Note:  Owner Comments:  9 017419000047 EA Hauling With 16 To 20 CY Dump Tru  Accepted Quantity x Unit Price  Installation EA 5.00 x \$127.04  Materials Excluded User Note:  Item Note: Each first 15 miles per trip  Owner Comments:  Contractor Comments:	Accepted Quantity x Unit Price x Installation TON 200.00 x \$42.61 x  Equipment Excluded User Note:    Item Note:	Accepted Quantity x Unit Price x Factor Installation TON 200.00 x \$42.61 x 1.1918  Equipment Excluded User Note:  Item Note:  Owner Comments:  Contractor Comments:  9 017419000047 EA Hauling With 16 To 20 CY Dump Truck, Up To 15 N  Accepted Quantity x Unit Price x Factor  Installation EA 5.00 x \$127.04 x 1.1918  Materials Excluded User Note:  Item Note: Each first 15 miles per trip  Owner Comments:  Contractor Comments:	Accepted   Quantity x Unit Price x Factor =

Print Date: 02/16/202 103:29:24 PM PST



By Category Report Version: 2.0

Approved 02/12/2021 09:35:48 AM PST

	d # CSI Number	MOD	UOM	Description						Total
Category 1 :Beyer Brid	ge									\$12,092.90
10	012223000270		WK	700 LB Capacity, 36"	" W	/ide, Skid-Stee	er Lo	oader With	Full-Tir	ne Operator
	Accepted	•		Quantity	х	Unit Price	х	Factor	=	LineTota
	II.	nstallation	WK	1.00	Х	\$4,177.53	х	1.1918	=	\$4,978.78
Equipment I	Excluded								•	\$4,978.78
	User Note	:								
	Item Note	:								
	Owner Comments	:								
	Contractor Comments	:								
11	012223001351		WK	500 To 600 Gallon W	/ate	er Trailer With	Pu	mp		
	Accepted	•		Quantity	х	Unit Price	х	Factor	=	LineTota
	I	nstallation	WK	1.00	X	\$300.25	Х	1.1918	=	\$357.84
Labor Excluded	Equipment Exclude	d							•	\$357.84
	User Note	::								
'	Item Note	:								
	Owner Comments	:								
	Owner Comments  Contractor Comments									
12			LF	48" High With Posts A	At	8' On Center,	Plas	stic Mesh	Tempora	ary Safety Fence
	Contractor Comments		LF	48" High With Posts A		8' On Center, Unit Price		stic Mesh <sup>-</sup>	Γempora =	
	Contractor Comments 015626000175 Accepted		LF LF		X		х			LineTota
	Contractor Comments 015626000175 Accepted			Quantity	X	Unit Price	х	Factor	=	ary Safety Fence LineTotal \$178.05
12	Contractor Comments 015626000175 Accepted	: - nstallation		Quantity	X	Unit Price	х	Factor	=	<b>LineTota</b> \$178.05
12	Contractor Comments 015626000175 Accepted	: nstallation ::		Quantity	X	Unit Price	х	Factor	=	<b>LineTota</b> \$178.05
12	Contractor Comments 015626000175 Accepted Interpretation of the Comments User Note	nstallation		Quantity	X	Unit Price	х	Factor	=	<b>LineTota</b> \$178.05
Equipment I	Contractor Comments 015626000175 Accepted Interpretation of the Comments of th	nstallation		Quantity	X	Unit Price	х	Factor	=	<b>LineTota</b> \$178.05
Equipment I	Contractor Comments 015626000175 Accepted Excluded User Note Item Note	nstallation		Quantity	x	Unit Price \$2.49	x	Factor 1.1918	= -	<b>LineTota</b> \$178.05
Equipment I	Contractor Comments  015626000175  Accepted  Excluded  User Note  Item Note  Owner Comments  Contractor Comments	nstallation	LF	Quantity 9	x x	Unit Price \$2.49	x x	Factor 1.1918	= -	LineTota \$178.05 \$178.05
Equipment I	Contractor Comments  015626000175  Accepted  User Note  Item Note  Owner Comments  Contractor Comments  017413000003  Accepted	nstallation	LF	Quantity 2 60.00 2	x x	Unit Price \$2.49	x x	Factor 1.1918	= = -	\$178.05 \$178.05 \$178.05
Equipment I	Contractor Comments  015626000175  Accepted  User Note  Item Note  Owner Comments  Contractor Comments  017413000003  Accepted	nstallation :: ::	LF	Collect Existing Debr	x x	Unit Price \$2.49 And Load Into	x x	Factor 1.1918  ack Or Dun Factor	= =	LineTota \$178.05 \$178.05 LineTota \$1,197.16
Equipment I	Contractor Comments  015626000175  Accepted  User Note  Item Note  Owner Comments  Contractor Comments  017413000003  Accepted	nstallation :: :: ::	LF	Collect Existing Debr	x x	Unit Price \$2.49 And Load Into	x x	Factor 1.1918  ack Or Dun Factor	= =	LineTota \$178.05 \$178.05 LineTota \$1,197.16
Equipment I	Contractor Comments  015626000175  Accepted  User Note  Item Note  Owner Comments  017413000003  Accepted  Materials Excluded  User Note	nstallation :: :: ::	CY CY	Collect Existing Debr	x x	Unit Price \$2.49 And Load Into	x x	Factor 1.1918  ack Or Dun Factor	= =	LineTota \$178.05 \$178.05 LineTota \$1,197.16
Equipment I	Contractor Comments  015626000175  Accepted  User Note  Item Note  Owner Comments  017413000003  Accepted  Materials Excluded  User Note	nstallation :: :: :: :: :: :: :: :: :: :: :: :: ::	CY CY	Collect Existing Debr	x x	Unit Price \$2.49 And Load Into	x x	Factor 1.1918  ack Or Dun Factor	= =	<b>LineTota</b> \$178.05

Price Proposal Details Report Print Date: 02/16/202 103:29:24 PM PST



By Category Report Version: 2.0

Approved 02/12/2021 09:35:48 AM PST

	14	017419000036	TON	General Refuse						
		Accepted		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	TON	100.00	х	\$42.61	Х	1.1918	=	\$5,078.26
Labor Excluded		<b>Equipment Excluded</b>							_	\$5,078.26
		User Note:								
		Item Note:								
		Owner Comments:								
	Co	ntractor Comments:								
	15	017419000047	EA	Hauling With 16 To	20	CY Dump Tru	ck, l	Jp To 15 N	liles	
		Accepted		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	EA	2.00	х	\$127.04	Х	1.1918	=	\$302.81
		Materials Excluded							_	\$302.81
		User Note:								
		Item Note: Each firs	t 15 mil	es per trip						
		Owner Comments:								
	Co	ntractor Comments:								
				Total F	or (	Category Be	ver	Bridge:		\$12,092.90



By Category Report Version: 2.0

Approved 02/12/2021 09:35:48 AM PST

	cord #	CSI Number	MOD	UOM	Description						Total
Category 1 :Hollister	r & Palr	m									\$23,597.48
	16	012220000017		HR	Laborer						
		Accepted	•		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ir	nstallation	HR	40.00	х	\$68.23	Х	1.1918	=	\$3,252.66
Equipme	nt Exclu	ded	Materials	Exclud	ed						\$3,252.66
		User Note	to paint t	he 4'fer	ice black						
		Item Note	: For tasks	not inc	luded in the Constru	ictio	n Task Catalo	g® a	and as dire	cted by	owner only.
		Owner Comments	:								
	Conf	tractor Comments	:								
	17	012223000269		DAY	700 LB Capacity, 3	6" V	/ide, Skid-Ste	er Lo	oader With	Full-Ti	me Operator
		Accepted	•		Quantity	х	Unit Price	х	Factor	=	LineTota
		Ir	nstallation	DAY	3.00	Х	\$942.71	Х	1.1918	=	\$3,370.57
Equipme	nt Exclu	ded									\$3,370.57
		User Note	:								
		Item Note	:								
	'	Owner Comments	:								
		Owner Comments tractor Comments									
				WK	700 LB Capacity, 3	6" V	/ide, Skid-Ste	er Lo	oader With	Full-Ti	me Operator
	Cont	tractor Comments		WK	700 LB Capacity, 3		/ide, Skid-Ste		pader With	Full-Ti	
	Cont	tractor Comments 012223000270 Accepted		WK		х		х			LineTota
Equipme	Cont	o12223000270  Accepted			Quantity	х	Unit Price	х	Factor	=	<b>LineTotal</b> \$9,957.56
	Cont	o12223000270  Accepted	: nstallation		Quantity	х	Unit Price	х	Factor	=	<b>LineTota</b> \$9,957.56
	Cont	o12223000270 Accepted	: nstallation :		Quantity	х	Unit Price	х	Factor	=	<b>LineTota</b> \$9,957.56
	Cont	on tractor Comments  012223000270  Accepted  Ir  Ir  Ir  Ir  Ir  Ir  Ir  Ir  Ir  I	: nstallation :		Quantity	х	Unit Price	х	Factor	=	<b>LineTota</b> \$9,957.56
	Cont	o12223000270 Accepted Ir Ided User Note	: nstallation :		Quantity	х	Unit Price	х	Factor	=	<b>LineTota</b> \$9,957.56
Equipme	Cont	one of the comments of the com	: nstallation :		Quantity	×	<b>Unit Price</b> \$4,177.53	x	Factor 1.1918	=	<b>LineTotal</b> \$9,957.56
Equipme	Cont	accor Comments  012223000270  Accepted  Ir  Ided  User Note  Item Note  Owner Comments  Itractor Comments	: nstallation :	WK	Quantity 2.00	x x	<b>Unit Price</b> \$4,177.53	x x	Factor 1.1918	=	\$9,957.56 \$9,957.56
Equipme	Cont	on tractor Comments  012223000270  Accepted  Ir  Inded  User Note  Item Note  Owner Comments  tractor Comments  012223001350  Accepted	: nstallation :	WK	Quantity 2.00	x x Wat	Unit Price \$4,177.53 er Trailer With	x x	<b>Factor</b> 1.1918	= =	\$9,957.56 \$9,957.56
Equipme	Cont 18  nt Exclu  Cont	on tractor Comments  012223000270  Accepted  Ir  Inded  User Note  Item Note  Owner Comments  tractor Comments  012223001350  Accepted  Ir	stallation : : :	WK	Quantity 2.00 500 To 600 Gallon Quantity	x x Wat	Unit Price \$4,177.53 er Trailer With Unit Price	x x	Factor 1.1918  mp  Factor	= =	LineTota \$9,957.56 \$9,957.56 LineTota \$418.50
Equipme	Cont 18  nt Exclu  Cont	on tractor Comments  012223000270  Accepted  Ir  Inded  User Note  Item Note  Owner Comments  tractor Comments  012223001350  Accepted	: : : : : : : : : : : : : : :	WK	Quantity 2.00 500 To 600 Gallon Quantity	x x Wat	Unit Price \$4,177.53 er Trailer With Unit Price	x x	Factor 1.1918  mp  Factor	= =	LineTota \$9,957.56 \$9,957.56 LineTota \$418.56
Equipme	Cont 18  nt Exclu  Cont	on tractor Comments  012223000270  Accepted  Iraded  User Note  Item Note  Owner Comments  012223001350  Accepted  Iraquipment Exclude	: : : : : : : : : : : : : : : : : : :	WK	Quantity 2.00 500 To 600 Gallon Quantity	x x Wat	Unit Price \$4,177.53 er Trailer With Unit Price	x x	Factor 1.1918  mp  Factor	= =	LineTota \$9,957.56 \$9,957.56 LineTota \$418.50
Equipme	Cont 18  Int Exclusion 19	on tractor Comments  012223000270  Accepted  Ir  Inded  User Note  Item Note  Owner Comments  012223001350  Accepted  Ir  quipment Exclude  User Note	: : : : : : : : : : : : : : : : : : :	WK	Quantity 2.00 500 To 600 Gallon Quantity	x x Wat	Unit Price \$4,177.53 er Trailer With Unit Price	x x	Factor 1.1918  mp  Factor	= =	LineTotal \$9,957.56 \$9,957.56  LineTotal \$418.50

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By Category Report Version: 2.0

Approved 02/12/2021 09:35:48 AM PST

	20	012223001351	WK	500 To 60	00 Gallon	Wa	ter Trailer With	n Pu	mp		
		Accepted			Quantity	х	Unit Price	х	Factor	=	LineTota
		Installat	ion WK		2.00	х	\$300.25	х	1.1918	=	\$715.68
Labor Excluded		Equipment Excluded									\$715.68
		User Note:									
		Item Note:									
		Owner Comments:									
	Co	ontractor Comments:									
	21	015526000029	WK	28" Cone	With Refl	ecti	ve Collar				
		Accepted		,	Quantity	х	Unit Price	х	Factor	=	LineTota
		Installat	ion WK		650.00	х	\$1.42	х	1.1918	=	\$1,100.03
abor Excluded		Equipment Excluded									\$1,100.03
		User Note: 50 co	one x 13 c	days							
		Item Note:									
		Owner Comments: V:1.2			Bridge Mi	ght	need traffic co	ntro	l. Other loo	cations	do not.
	Co	ontractor Comments: V:1.3	tantiate C 3-will need	•							
	22	015526000085	DAY	/ Mesh Or \	Vinyl Roll	-up	Sign With Star	nd			
		Accepted			Quantity	x	Unit Price	x	Factor	=	LineTota
		•	ion DAY	<i>(</i>	195.00	х	\$4.58	Х	1.1918	=	\$1,064.40
abor Excluded		Equipment Excluded									\$1,064.40
		User Note: 15 si	an x 13 d:	avs							
		Item Note:	9								
		Owner Comments: V:1.2	2-Substan	tiate Quantity	/. Very lir	nite	d Traffic contro	ol is	necessary		
	Co	ontractor Comments: V:1.3	B-will need	1							
	23	017113000002	EA	First 25 M Using A R				icku	p, Mobiliza	ition An	d Demobilization
		Accepted					Unit Price	х	Factor	=	LineTota
		Installat	ion EA		1.00	х	\$232.89	х	1.1918	=	\$277.56
		Materials Fredridad									\$277.56
		Materials Excluded									
		User Note: bobc	at								
		User Note: bobc  Item Note: Includism steer	des loadir antling, lo	ading for retubols, ind	urn and tra lustrial wa	ansp areh		or e	equipment epers, scis	such as sor plat	s trenchers, skid-
		User Note: bobc  Item Note: Includism steer	des loadir antling, lo	ading for retubols, ind	urn and tra lustrial wa	ansp areh	oorting away. I ouse forklifts,	or e	equipment epers, scis	such as sor plat	s trenchers, skid-

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**By Category Report** 

Version: 2.0

Approved 02/12/2021 09:35:48 AM PST

. Million	24	04744200000		CV	Callest Eviating Dal	h ria	And Lood Inte	т	als Or Dur	notor	
	24	017413000003	-	CY	Collect Existing Del			) 110	ick Of Duff	ipster	
		Accepted			Quantity	X	Unit Price	X	Factor	=	LineTota
		In	stallation	CY	25.00	Х	\$20.09	Х	1.1918	=	\$598.58
		Materials Excluded									\$598.58
		User Note:									
		Item Note:	Per CY o	of debris	s removed.						
		Owner Comments:									
	C	ontractor Comments:									
	25	017419000036		TON	General Refuse						
		Accepted	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		In	stallation	TON	50.00	х	\$42.61	Х	1.1918	=	\$2,539.13
Labor Excluded		Equipment Excluded	d							_	\$2,539.13
		User Note:									
		Item Note:									
		Owner Comments:									
	C	ontractor Comments:									
	26	017419000047		EA	Hauling With 16 To	20	CY Dump Tru	ck, l	Jp To 15 M	1iles	
		Accepted	-		Quantity	х	Unit Price	х	Factor	=	LineTota
		In	stallation	EA	2.00	х	\$127.04	Х	1.1918	=	\$302.81
		Materials Excluded								_	\$302.81
		User Note:									
		Item Note:	Each firs	t 15 mil	es per trip						
		Owner Comments:									
		ontractor Comments:									

Price Proposal Details Report Page 9 of 10

Total						ption	Desc	UOM	MOD	CSI Number	Record #	
\$3,843.14						-					o Category	ategory 1 :No
		ing Truck	: Usi	To 250 Cones	Up ¬	nd Remove	Place	EA		015526000104	27	
LineTota	=	Factor	х	Unit Price	х	Quantity			-	Accepted		
\$2,827.5	=	1.1918	Х	\$3.65	х	650.00		EA	nstallation	I		
\$2,827.5	_									aterials Excluded	Ma	
									<b>:</b> :	User Note		
									):	Item Note		
		necessary.	ol is r	Traffic contro	ited	ity. Very lim	te Quai	bstantia	: V:1.2-Su	Owner Comments	C	
								need	: V:1.3-wil	ractor Comments	Conti	
	Truck	and Using <sup>-</sup>	d Sta	able Sign An	Port	nd Remove	Place	EA		015526000111	28	
LineTota	=	Factor	х	Unit Price	х	Quantity			-	Accepted		
\$1,015.5	=	1.1918	Х	\$4.37	Х	195.00		EA	nstallation	I		
\$1,015.5	_									aterials Excluded	Ma	
									<b>:</b>	User Note		
									):	Item Note		
		necessary.	ol is i	Traffic contro	ited	ity. Very lim	te Quai	bstantia	: V:1.2-Su	Owner Comments	-	
								l need	: V:1.3-wil	ractor Comments	Conti	
											,	
\$3,843.1		ategory:	o Ca	Category No	or (	Total F						
\$166,984.8		Total:										
\$69,753.5		iltered):	al(F	oposal Tot	Pr							
0.00%		roposal:	s Pr	iced on thi	-Pr	of Non Pre	entage	e Perc	Th			

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# EXHIBIT C (Subcontractor Listing)

#### San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



Date: 2/16/2021

Job Order Contracting

**Subcontractor Report** 

**Contract #:** PWG275.0-19

Job Order #: MTSJOC275-13.01

Job Order Title: BL Fence Replacement

**Location:** Blue Line ROW

**Contractor:** ABC Construction Co., Inc.

Subcontractor: FENCECORP

Subcontractor Name	License Number	Describe Nature of Work (Trade)	Certifications	Subcontractor Total	%
FENCECORP 2401 Industry St, Oceanside, CA 92054	886544	install fence		\$131,534.00	78.77%



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

March 11, 2021

Draft for Executive Committee Review Date: 03/04/2021

SUBJECT:

SUPERLOOP PAVER REPLACEMENT – WORK ORDER AGREEMENT

#### **RECOMMENDATION:**

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute Work Order MTSJOC275-18 under Job Order Contract (JOC) MTS Doc. No. PWG275.0-19 (in substantially the same format as Attachment A) with ABC Construction Co., Inc. (ABC), in the amount of \$168,500.75 for the replacement of damaged pavers with concrete along the SuperLoop route.

#### **Budget Impact**

The total budget for this project shall not exceed \$168,500.75. Under separate MTS Doc No. L1282.1-16, with The Gordian Group, MTS will pay a 1.76% JOC software license fee in the amount of \$2,797.11. This project is funded through the MTS operating cost center 845012-571142 and is reimbursed with SANDAG TransNet funds resulting in no budgetary impact to MTS.

#### DISCUSSION:

MTS Passenger Facilities has noticed the concrete pavers installed at three SuperLoop stops have become unsafe due to settling, cracking, and in some cases breaking pavers. The concrete pavers were installed along the shelters as sidewalk hardscape in 2012 and have not performed well over time. The unsafe pavers will be removed and replaced in the following three locations:

- 1. Nobel Dr at Lebon Dr, N-E/B Stop Number 10034
- 2. Palmilla Dr at Lebon Dr, F-S/B Stop Number 11909
- 3. Villa La Jolla Dr at Gilman Dr, F-E/B Stop Number 99463









Asphalt patchwork has been installed at two of these stations to make the area safer; however, it has not solved the problem due to continued settling and movement, likely caused by poor drainage. The project team researched the feasibility of grinding where necessary, or replacement of individual pavers; however, the movement causing the underlying problem won't be addressed with either option. The best, long-term solution, is to remove the pavers at the three stations and replace with concrete in an alternating color pattern to match the existing paver color pallet and provide improved drainage under the new concrete.

On April 12, 2019, MTS issued an Invitation for Bids (IFB) seeking a contractor to provide on-call JOC General Civil Construction services that primarily consists of repair, remodeling, or other repetitive work for general civil and site improvements, including earthwork, utilities, paving, concrete, drainage, landscaping mitigation, site clearing, and all required incidental professional and technical services.

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

The JOC program includes a catalogue 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 catalogue. Each contractor then includes an adjustment factor, escalating their proposed price from the catalogue price, to determine the total cost of the task order. The adjustment factor represents an average percentage increase over the catalogue price (i.e. 1.25 adjustment factor represents 25% above the catalogue 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 ABC was the lowest responsive and responsible bidder. On June 13, 2019, the MTS Board authorized the CEO to execute MTS Doc. No. PWG275.0-19 with ABC for Civil Construction Services.

Today's proposed action would issue a work order to ABC under this JOC master agreement. Pricing for this repair work order was reviewed and determined to be fair and reasonable. ABC will be providing all materials, labor, and equipment for replacement of the damaged pavers with concrete along the SuperLoop route. Work is expected to be completed by early Spring 2021.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Work Order MTSJOC275-18 under JOC MTS Doc. No. PWG275.0-19 with ABC, in the amount of \$168,500.75 for the replacement of damaged pavers with concrete along the SuperLoop route.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

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

Attachment: A. Draft Work Order MTSJOC275-18, MTS Doc No. PWG275.0-19



#### JOB ORDER CONTRACT WORK ORDER

	PWG275.0-19
	CONTRACT NUMBER
	MTSJOC275-18 WORK ORDER NUMBER
THIS AGREEMENT is entered into this day of California by and between San Diego Metropolitan Traagency, and the following, hereinafter referred to as "C	2021, in the state of ansit System ("MTS"), a California public Contractor":
Name: ABC Construction Co., Inc.	Address: 3120 National Avenue
Form of Business: Corporation	San Diego, CA 92113
(Corporation, partnership, sole proprietor, etc.)	Telephone: (619) 239-3428
Authorized person to sign contracts: Wayne Name	
Pursuant to the existing Job Order Contract (MTS Doc to Contractor to complete the detailed Scope of Work the Scope of Work (attached as Exhibit B.), and the so Order (attached as Exhibit C.)	(attached as Exhibit A.), the Cost Breakdown for
TOTAL PAYMENTS TO CONTRACTOR SHALL NOT	EXCEED \$168,500.75
SAN DIEGO METROPOLITAN TRANSIT SYSTEM	ABC CONSTRUCTION CO., INC.
By:Sharon Cooney, Chief Executive Officer	Firm:
Approved as to form:	By:Signature
By: Karen Landers, General Counsel	Title:











EXHIBIT A (Scope of Work)

#### San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



**Final Scope of Work** 

Date: 2/16/2021

**Job Order Contracting** 

To: From:

Contract No: PWG275.0-19

Job Order No: MTSJOC275-18

Job Order Title: Super Loop Paver Replacement

**Location:** Building A

12 S. 13th Street San Diego, CA 92101

**Brief Scope:** Paver to concrete replacement at 3 SuperLoop stops

#### **SECTION 7-1 GENERAL**

There are currently three MTS bus stops on the Superloop route that were constructed with pavers as hardscape. The pavers are failing and require removal and replacement with concrete.

All work is to occur and the three below bus stops.

- 1. Nobel Dr at Lebon Dr, N-E/B Stop Number 10034
- 2. Palmilla Dr at Lebon Dr, F-S/B Stop Number 11909
- 3. Villa La Jolla Dr at Gilman Dr, F-E/B Stop Number 99463

#### **SECTION 7-2 STAGING**

Contractor is to keep and store all materials and equipment within the work area. There is no adjunct property that is MTS owned that could be used for staging. All property stored onsite is the responsibility of the contractor and MTS shall not be held liable for any and all equipment, material, tools, etc.

#### **SECTION 7-3 TEMP FACILITIES**

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

Diligent caution must be taken during the undertaking of this work. The stops are adjacent to active roadways and active sidewalks. In order to protect pedestrians, the contractor is to obtain a sidewalk closure permit and a single lane closure permit accordingly from the City having jurisdiction. MTS will close and re-route buses away from the stop being constructed. Contractor is to finish one stop in its entirety and receive approval from MTS, prior to starting the next stop.

#### **SECTION 7-5 WASTE**

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

#### SECTION 7-6 SCHEDULE AND SEQUENCING

All work shall be completed within forty-five (45) calendar days from issuance of Notice to Proceed. Contractor is to provide a schedule for the work showing the sequence of stop closures and dates. Only one stop will be closed at a time. The work must be completed in its entirety prior to commencing work at the next stop.

#### SECTION 7-7 HARDSCAPE REPLACEMENT

The work generally consists of the removal of the bus stop paver hardscape and replacement with concrete hardscape at three different bus stops.

Contractor is to protect all existing surfaces, shelters, signs, fixtures and adjacent surfaces and remove and reinstall any trash cans as needed. Contractor is to remove and dispose of all pavers at each bus stop, remove any sand bedding from the pavers, place and compact base, replace any PVC drain lines with steel at grade with a transition to existing PVC at the back of curb, place concrete minimum 4" thick, concrete to have altering integral color in 5' sections in similar layout to existing pavers with one 5' section being a darker French gray and the next 5' section being natural gray, concrete is to have a light sandblast finish, concrete expansion joints are to be installed at back of curb and face of existing concrete retaining wall per SDRSD G-10, weakened plan joints are to be installed at approximately 5' on center and expansion joints are to be installed at approximately 15' on center. Contractor is to perform a final clean of the bus stop and remove all traffic control once completed.

Eli Belknap, Manager of Capital Projects

Date

# EXHIBIT B (Cost Breakdown)



### Att. A AL 8 03/11/2021 Detail

By Category Report Version: Working Version

**JOC Name (Contractor):** ABC Construction Co., Inc.

**Contract Name:** 2019 - General Civil - ABC - Option 1

Contract Number: PWG275.0-19

Job Order Number: MTSJOC275-18

Job Order Title: Super Loop Paver Replacement

Location: 1-Building A

Proposal Value: \$168,500.75

Category 1	Category 2	<b>Category Totals</b>
01		\$3,112.65
02		\$7,470.37
05		\$1,700.00
No Category		\$119,057.95
		\$131,340.97
	Proposal Total(Filtered):	\$131,340.97
	The Percentage of Non Pre-Priced on this Proposal:	0.00%



By Category Report Version: Working Version

**JOC Name (Contractor):** ABC Construction Co., Inc.

**Contract Name:** 2019 - General Civil - ABC - Option 1

Contract Number: PWG275.0-19

Job Order Number MTSJOC275-18

Job Order Title Super Loop Paver Replacement

Location: 1-Building A
Proposal Value: \$168,500.75

	Record #	<b>CSI Number</b>	MOD	UOM	Descrip	tion						Total
Category 1 :	:01											\$3,112.65
	1	012220000017		HR	Laborer							
		No Change				Quantity	х	Unit Price	х	Factor	=	LineTotal
			Installation	HR		40.00	х	\$68.23	х	1.1405	=	\$3,112.65
	Equipment Exclud	ed	Materials	Exclud	led							\$3,112.65
		User Not	e: traffic co	ntrol pe	rmit							
		Item Not	e: For task	s not inc	cluded in th	e Constru	ctior	n Task Catalo	g® a	and as dire	cted by o	wner only.
	0	wner Comment	s:									
	Contra	actor Comment	s:									
								Total For C	ate	aory 01:		\$3,112.65

Price Proposal Details Report Page 2 of 8



### Att. A AL8 03/11/2021 Detail

By Category Report Version: Working Version

	Record #	CSI Number	MOD	UOM	Description						Total
Category 1:0	2				·						\$7,470.37
	2	012220000017		HR	Laborer						
		No Change			Quantity	х	Unit Price	х	Factor	=	LineTotal
			Installation	HR	96.00	Х	\$68.23	Х	1.1405	=	\$7,470.37
E	quipment Exclu	ded	Materials	Exclud	led					_	\$7,470.37
		User Note	1 day pe	r site to	replace trash cans an o remove o replace	d be	ench				
		Item Note	e: For task	s not in	cluded in the Constru	ctio	n Task Catalo	g® a	and as dire	cted by o	owner only.
		Owner Comments	s:								
	Cont	ractor Comments	s:								
	,										_
							Total For C	ate	gory 02:		\$7,470.37



### Att. A AL8 03/11/2021 Detail

By Category Report Version: Working Version

	Record #	CSI Number	MOD	ПОМ	Description					Total
Cotomomy 4 - OF	Record #	CSI Number	MOD	UOIVI	Description					Total
Category 1 :05										\$1,700.00
	3	012216000004		EA	Reimbursable Fees					
		No Change			Quantity x	Unit Price	х	Factor	=	LineTotal
		I	nstallation	EA	1,700.00 x	\$1.00	Х	1.0000	=	\$1,700.00
Labor Excluded	E	quipment Exclude	ed						,	\$1,700.00
		User Note	PW set of	up fee 5 k fee 20	00 0 x 6 trucks					
		Item Note	Reimbur Reimbur Reimbur the Rein	sable Forsable Forsable Forsable Forsable Forsable de shippi	ees will be paid to the co- ee is \$1.00. Insert the ap- ee (e.g. quantity of 125 = ees, list each one separa- le Fee (e.g. sidewalk clos- ng costs, etc.). A copy of	propriate quar \$125.00 Rein Itely and add a Sure, road cut,	ntity nbu a co var	to adjust t rsable Fee mment in t ious permi	he base ). If ther he "note ts, exte	e cost to the actual re are multiple e" block to identify nded warranty,
		Owner Comments	s:							
	Cont	ractor Comments	S:							
						Total For C	ate	gory 05:		\$1,700.00

Price Proposal Details Report Page 4 of 8



### Att. A ALS 03/11/2021 Detail

By Category Report Version: Working Version

F	Record :	# CSI Number	MOD	UOM	Description						Total
Category 1 :No Ca	ategory				·						\$119,057.95
	4	012223000278		DAY	3,000 LB Capacity, Operator	78"	' Wide, Tracke	d SI	kid-Steer L	oader Wit	h Full-Time
		No Change	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Inst	allation	DAY	3.00	х	\$1,198.46	Х	1.1405	=	\$4,100.53
Equip	ment Exc	cluded									\$4,100.53
		User Note:									
		Item Note:									
		Owner Comments:									
	Co	ontractor Comments:									
	5	012223000279		WK	3,000 LB Capacity, Operator	78"	' Wide, Tracke	d SI	kid-Steer L	oader Wit	h Full-Time
		No Change	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Inst	allation	WK	3.00	х	\$5,086.31	Х	1.1405	=	\$17,402.81
Equip	ment Exc	cluded									\$17,402.81
		User Note:									
		Item Note:									
		Owner Comments:									
	Co	ontractor Comments:									
	6	012223000290		DAY	Broom Attachment	For	Skid-Steer Lo	ade	rs		
		No Change	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Inst	allation	DAY	3.00	х	\$88.71	Х	1.1405	=	\$303.52
Labor Excluded		<b>Equipment Excluded</b>									\$303.52
		User Note:									
		Item Note:									
,		Owner Comments:									
,	Co	ontractor Comments:									
,	7	012223000291		WK	Broom Attachment	For	Skid-Steer Lo	ade	rs		
		No Change	•		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Inst	allation	WK	3.00	х	\$240.64	х	1.1405	=	\$823.35
Labor Excluded		<b>Equipment Excluded</b>									\$823.35
		User Note:									
		Item Note:									
		Item Note: Owner Comments:									

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## Att. A AL8 03/11/2021 Detail

By Category Report Version: Working Version

Installation   DAY   9.00 x \$1,627.31 x 1.1405   = \$16,703.52		8	012223001316		DAY	13 CY Rear D	ump -	Truc	k With Full-Ti	me <sup>-</sup>	Truck Driv	er	
Section   Sect			No Change	•		Qua	ntity	х	Unit Price	х	Factor	=	LineTotal
User Note:   Item Note:			Ir	nstallation	DAY		9.00	х	\$1,627.31	Х	1.1405	=	\$16,703.52
Contractor Comments:	Equipmer	nt Exclude	ed									-	\$16,703.52
Contractor Comments:   Contractor Comments:			User Note	:									
Second   Contractor Comments:   9	,		Item Note	:									
9		Ov	vner Comments	:									
No Change   Quantity x   Unit Price   x   Factor   =   LineTota		Contra	ctor Comments	:									
Installation DAY 18.00 x \$117.05 x 1.1405 = \$2,402.93  Labor Excluded User Note:    Item Note:		9	012223001347		DAY	500 To 600 G	allon '	Wat	er Trailer With	n Pu	mp		
Labor Excluded  User Note:    Item Note:			No Change	-		Qua	ntity	х	Unit Price	Х	Factor	=	LineTotal
User Note:   Item Note:   Contractor Comments:			Ir	nstallation	DAY		18.00	х	\$117.05	Х	1.1405	=	\$2,402.92
Item Note:   Contractor Comments:   Contractor Comments:	Labor Excluded	Equ	ipment Exclude	d								-	\$2,402.92
Contractor Comments:    10			User Note	:									
Contractor Comments:    10			Item Note	:									
LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence  No Change  Quantity x Unit Price x Factor = LineTota  Installation LF 390.00 x \$2.49 x 1.1405 = \$1,107.54  Equipment Excluded  User Note:    Item Note:		Ov	vner Comments	:									
No Change   Quantity x Unit Price x Factor = LineTota		Contra	ctor Comments	:									
Installation LF 390.00 x \$2.49 x 1.1405 = \$1,107.54  Equipment Excluded \$1,107.54  User Note:    Item Note:	·	10	015626000175		LF	48" High With	Posts	s At	8' On Center,	Plas	stic Mesh	Tempora	ary Safety Fence
Equipment Excluded  User Note:    Item Note:			No Change	•		Qua	ntity	х	Unit Price	Х	Factor	=	LineTotal
Item Note:			Ir	nstallation	LF	39	90.00	х	\$2.49	Х	1.1405	=	\$1,107.54
Item Note:   Owner Comments:   Contractor Comments:	Equipmer	nt Exclude	ed									-	\$1,107.54
Owner Comments:  Contractor Comments:  11 017113000004			User Note	:									
Contractor Comments:    11			Item Note	:									
11 017113000004  Ro Change  Ouantity x Unit Price x Factor = LineTota  Installation EA 9.00 x \$734.34 x 1.1405 = \$7,537.63  Materials Excluded  User Note: move in each day of demo and excavation 3 days each site x 3 site = 9 each  Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.  Owner Comments:		Ov	vner Comments	:									
No Change    Summary   Construction   Construction		Contra	ctor Comments	:									
Installation EA 9.00 x \$734.34 x 1.1405 = \$7,537.63  Materials Excluded \$7,537.63  Were Note: move in each day of demo and excavation 3 days each site x 3 site = 9 each  Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.		11	017113000004		EA	First 25 Miles	Equip	pme	ent Delivery, P	icku	p, Mobiliza	ation And	d Demobilization
Waterials Excluded  User Note: move in each day of demo and excavation 3 days each site x 3 site = 9 each  Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.  Owner Comments:			No Change	•					-			=	LineTotal
User Note: move in each day of demo and excavation 3 days each site x 3 site = 9 each  Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.  Owner Comments:			Ir	nstallation	EA		9.00	х	\$734.34	Х	1.1405	=	\$7,537.63
Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.  Owner Comments:		Mat	erials Excluded									-	\$7,537.63
Item Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.  Owner Comments:			User Note	: move in	each da	ay of demo and	excav	/atio	on 3 days eacl	n site	e x 3 site =	= 9 each	
Contractor Comments:		Ov	Item Note	: Includes dismantli scrapers construct forklifts, the	loading ing, loa , hydrai tion loa telescol	g, tie-down of edding for return a ulic excavators, ders, tractors, p ping boom roug	quipmond transfer grada avers have the terranda avers	ent, ansp alls, s, rol	delivery of equoting away. I road graders, lers, bridge fireconstruction for	uipn For e load	nent, off lo equipment der-backho ers, straigh	eading or such as ses, hea nt mast c	n site, rigging, s bulldozers, motor avy duty construction
		Contra	ctor Comments	:									

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By Category Report Version: Working Version

	12	017123160019	ACR	Survey Clear Area	For	Underground	Utili	ties		
		No Change		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	ACR	0.25	х	\$5,247.63	Х	1.1405	=	\$1,496.23
										\$1,496.23
		User Note:								
		Item Note:								
		Owner Comments:								
	Co	ontractor Comments:								
	13	017419000021	МО	Rampless Concrete	• Wa	ashout Bin				
		No Change		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	МО	1.00	Х	\$555.08	Х	1.1405	=	\$633.07
Labor Excluded		<b>Equipment Excluded</b>								\$633.07
		User Note:								
		Item Note: Includes	deliver	y.						
		Owner Comments:								
	Co	ontractor Comments:								
	14	017419000024	EA	Vacuum, Pickup, S	wap	And Dump, C	onc	rete Wash	out Bin	
		No Change		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	EA	3.00	Х	\$742.43	Х	1.1405	=	\$2,540.22
Labor Excluded		Equipment Excluded								\$2,540.22
		User Note:								
,		Item Note: Includes		n the liquid from the f					ecycle all	material. An
		Owner Comments:		s fort at the one if the	proj	000 10 1100 00111	piot	<u> </u>		
	Co	entractor Comments:								
	15	017419000036	TON	General Refuse						
		No Change		Quantity	х	Unit Price	х	Factor	=	LineTotal
		Installation	TON	62.00	х	\$42.61	Х	1.1405	=	\$3,013.00
Labor Excluded		Equipment Excluded							_	\$3,013.00
		User Note: 1650 sf x	x 6" = 3	1 cy x 2 cy/tn = 62 tn:	S					
		Item Note:		•						
		Owner Comments:								
		ontractor Comments:								

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16	018982120001	EA	CALTRAN 120110	FLA	ASHING ARRO	OW	SIGN		
	No Change		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	EA	27.00	Х	\$558.93	х	1.1405	=	\$17,211.41
									\$17,211.41
	User Note: 1 each fo	or 27 da	ays						
	Item Note:								
	Owner Comments:								
	Contractor Comments:								
17	018982120002	EA	CALTRAN 120116	TYF	PE II BARRIC	ADE			
	No Change		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	EA	648.00	х	\$26.20	Х	1.1405	=	\$19,362.95
								•	\$19,362.95
	User Note: 24 each	x 27 da	ays						
	Item Note:								
	Owner Comments:								
	Contractor Comments:								
18	018982120003	EA	CALTRAN 120119	TR	AFFIC CONE				
	No Change		Quantity	х	Unit Price	х	Factor	=	LineTotal
	Installation	EA	2,700.00	х	\$7.93	Х	1.1405	=	\$24,419.25
									\$24,419.25
	User Note: 100 cone	s x 27	days						
	Item Note:								
	Owner Comments:								
	Contractor Comments:								
			Total F	or	Category N	o C	ategory:		\$119,057.95
							Total:		\$168,500.75
				Р	roposal Tot	al(I	Filtered):		\$131,340.97
	Th	e Per	centage of Non Pr	e-P	riced on thi	s P	roposal:		0.00%

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# EXHIBIT C (Subcontractor Listing)

#### San Diego Metropolitan Transit System

1255 Imperial Ave San Diego, CA 92101



Date: 2/16/2021

**Job Order Contracting** 

**Subcontractor Report** 

Contract #: PWG275.0-19

Job Order #: MTSJOC275-18

Job Order Title: Super Loop Paver Replacement

**Location:** Building A

**Contractor:** ABC Construction Co., Inc.

**Subcontractor:** 

Subcontractor Name License Number	r Describe Nature of Work (Trade)	Certifications	Subcontractor Total	%
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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

March 11, 2021

Draft for
Executive Committee
Review Date: 03/04/2021

SUBJECT:

RAIL WELDING 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. PWL323.0-21 (in substantially the same format as Attachment A), with Railworks Track Services, Inc., for rail welding services, for five (5) years effective May 1, 2021, in the amount of \$277,171.27.

#### Budget Impact

The total budget for this project shall not exceed \$277,171.27 and is funded by the Track Operations Budget 370016-571210.

#### **DISCUSSION:**

MTS requires continued services to provide in-track and out-of-track welding repairs to switch points, frogs, joints and other track components used within the light rail system. Track components wear out and require welding to proper specifications. Maintenance of these items will help extend the life of the track components and reduce costly replacements.

The total track mileage on the MTS light rail system is 110 miles, which will increase to 132 miles with the completion of the Mid-Coast Project in late 2021. This contract will provide the rail welding services required to properly maintain the MTS system in compliance with Federal Railroad Administration (FRA) and the State Public Utilities Commission (PUC) requirements. Services also include tracks in maintenance yards A and C, as well as auxiliary tracks.









On October 27, 2020, MTS issued an Invitation for Bids (IFB) for Rail Welding services. Two bids were received by the due date of December 17, 2020, and are summarized in the table below:

Bidder	Amount	MTS savings compared to lowest bidder
Railworks Track Services	\$277,171.27	
Morrison Metalweld Process Corp.	\$334,916.00	\$57,744.73
MTS Independent Cost Estimate (ICE)	\$309,088.31	\$31,917.04

After evaluating the Railworks bid, MTS staff deemed it the lowest responsive and responsible bid, and determined it to be fair and reasonable by comparison with the second bid received and MTS's ICE.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. No. PWL323.0-21, with Railworks Track Services, Inc., for rail welding services, for five (5) years effective May 1, 2021, in the amount of \$277,171.27.

/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 Agreement MTS Doc. PWL323.0-21

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. PWL323.0-21

#### RAIL WELDING SERVICES

THIS AGREEMENT is entered into this California by and between San Diego Metropolitan Tand the following, hereinafter referred to as "Contracted to the contracted to t	ransit Syster	
Name: Railworks Track Services, Inc.	Address:	12740 Lakeland Rd., Unit B
		Santa Fe Springs, CA 90670
Form of Business: Corporation (Corporation, Partnership, Sole Proprietor, etc.)	Email:	jsautin@railworks.com
Telephone: (562) 356-3350		
Authorized person to sign contracts  James S. A  Name		Vice President & General Manager Title
The Contractor agrees to provide services as spec Technical Specification (Exhibit A), Contractor's Bid/ the Standard Agreement, including Standard Condition and Forms (Exhibit E).	Pricing Forn	n (Exhibit B), and in accordance with
The contract term is for up to (5) years effective May	1, 2021 throu	ugh April 30, 2026.
Payment terms shall be net 30 days from invoice da \$277,171.27 without the express written consent of M		cost of this contract shall not exceed
SAN DIEGO METROPOLITAN TRANSIT SYSTEM	RAILW	ORKS TRACK SERVICES, INC.
By:		
Sharon Cooney, Chief Executive Officer	Ву	
Approved as to form:		
Ву:	Title:	
Karen Landers, Office of General Counsel		

#### SCOPE OF WORK/TECHNICAL SPECIFICATIONS

#### 1.1. GENERAL

MTS is looking for an experienced contractor to provide rail welding services. This contract involves in-track and out-of-track welding repairs of rail and track components used within the light rail system.

The total track mileage is 110 miles which will increase to 132 miles with the completion of the Mid-Coast Project in mid-2021, which will extend the Blue Line Trolley service from the Santa Fe Depot in Downtown San Diego to the University City community. Services also include tracks in maintenance yards A and C, as well as auxiliary tracks.

The entire rail has been either electrically flash butt-welded or thermite welded. The individual areas of work and the type of welding process to be used will be determined through discussion with San Diego Trolley Inc. (SDTI) Maintenance of Way (MOW) Manager or designee.

Work will be performed mainly during non-revenue hours (11:30 pm to 4:30 am).

The resultant contract will be for five (5) years effective May 1, 2021.

#### 1.2. CONTRACTOR MINIMUM QUALIFICATIONS AND EXPERIENCE

Contractor must be licensed, must be registered with the Department of Industrial Relations, and must have a minimum of five (5) years' experience in this scope of work. Experience should be shown on the Status of Current and Past Contracts Form attached to this IFB.

#### 1.3. QUALIFICATIONS OF DESIGNATED PERSONNEL

Contractor will provide qualified welders with a minimum of three years of track welding experience that conforms to FRA (Federal Railroad Administration) and AREMA (American Railroad Engineering and Maintenance-of-Way Association) specifications. As part of the bid package submittal, Contractor shall provide welding certifications for designated personnel.

MTS will not award a contract without receipt of this documentation.

#### 1.4. BID FORM

On the Bid Form, MTS has provided the estimated quantities based on historical usage and projected quantities for the Mid-Coast Project. The Option hours (as requested by MTS) will be for situations when MTS needs the Contractor to perform additional services. These quantities are for bidding purposes and Contractor should note that actual usage may be more or less than estimated. Contractor shall perform all welding work described at the rates quoted on the Bid Form.

Contractor shall provide its all-inclusive hourly labor cost based on hours provided, and the all-inclusive mobilization and transportation fees based on the quantities shown on the bid form. These all-inclusive costs include but are not limited to wages, insurance, overhead, profit, equipment, fuel, tax and all other related costs necessary to perform the welding work described.

Travel time will not be billable. Hours are for onsite work only.

Charges not described on the Bid Form will not be considered valid and MTS will not pay additional costs.

#### 1.5. SCOPE OF SERVICES

#### A. TUNNEL REQUIREMENTS

Work performed in the 1-mile twin bore tunnel will only be able to be accomplished during non-revenue hours when trains are not operating. This generally will mean tunnel work will only be done at night. Because of the environment, gasoline engines are not allowed on any equipment nor may flammable liquids be transported into the tunnel in any container. All equipment must be either diesel powered with a functional scrubber or compressed natural gas powered.

#### B. WELDING REQUIREMENTS AND SPECIFICATIONS

#### Contractor's personnel shall:

- i. Assure all work practices meet all OSHA standards.
- ii. Be capable of performing both stick weld and wire feed arc welding. Wire feed welding for rail repair is the method preferred by SDTI.
  - iii. Make repair on 115lb rail and frogs, switch points, stock rails and other components of wood/concrete tie and ballast track as well as embedded track.
  - iv. Respond to work requests within five calendar days.
  - v. Able to work within constraints of normal Light Rail train schedule.
  - vi. Able to perform work at night and on weekends as the need arises.
  - vii. Able to work in a tunnel environment, approximately 260 feet below the surface at the deepest point. (See additional requirements for tunnel work).

#### Contractor shall:

- i. Guarantee all work for a minimum of 90 days.
- ii. Be able to make all weld repairs either in track, in the field or out of track, in a shop.
- iii. Adhere to all SDTI testing requirements. SDTI may require laboratory quality testing of contractor's arc welds. SDTI will provide the rail while the cost of testing will be at the contractor's expense.
- iv. Adhere to SDTI method and standards as defined within these specifications. Contractor will submit for approval to SDTI a copy of contractor's welding procedure (for each type of rail and for each method of construction) including pre-hear, post-heat and cooling of repair areas.
- v. Include list of equipment used.

#### C. REQUIRED TOOLS AND EQUIPMENT PROVIDED BY THE CONTRACTOR

- i. Welder capable of amperage ranges (found in welding parameters) with C type clamp to affixed to the field and gauge side of ball of rail only.
- ii. SDTI approved welding rod or wire.
- iii. Grinder with 1" flat stone.
- iv. Profile grinder.
- v. Generator (if welder is not equipped).
- vi. Tent or umbrella.
- vii. Pre-heat and post-heat equipment.
- viii. Carbon backing strips (to be used in welding of flange ways).
- ix. Copper strap and SDTI approved method/equipment for clamping to rail.
- x. 36" straight edge and taper gage.
- Tong type volt/amperage meter (for verifying welding amperage source).
- xii. Welding Curtain.
- xiii. Tempilstiks.

#### D. REPAIRING WHEEL BURNS

- i. Arc welding or oxy-acetylene welding are excepted procedures.
- ii. Wheel burns must not be welded if air temperature is below 32°F; not when rain or snow is falling unless protection is provided.
- iii. Sufficient distressed metal must be removed by grinding to eliminate all cracks and damaged metal.
- iv. Rail having bums more than .35 inches deep must not be repaired, but must be removed from the track, unless otherwise directed by the MOW Manager or designee.
- v. When a wheel burn is over 3 inches long it will be welded in stages and allowed to cool to 700°F between stages, the length of a stage must not exceed 3 inches.
- vi. After normalizing, the weld must be surface ground to the railhead contour within .0005 in. Any flow or batter on either side of the head of the rail must be removed.
- vii. No more than 4 wheel burns in 39 ft. shall be welded within 8 hours. Wheel burns may be welded consecutively only if they are more than 10 ft. apart.

#### E. ELECTRIC ARC WELDING OF RAIL AND CASTINGS

#### Track Components:

#### i. Switch Points

Switch points must be repaired or built up by welding other than in the shop. Only the heel ends of switch points may be built up using the procedures specified for rail-end welding unless directed otherwise by the MOW Manager or designee.

#### ii. Frogs

- a) Bolted rail frogs, solid manganese frogs, manganese insert of rail bound manganese frogs and manganese knuckles may be required by welding.
- b) Chipped or battered rail ends at the toe and heel ends of rail bound manganese frogs and bolted rail frogs may be built up using the procedures specified for rail-end welding.
- c) Frogs may be repaired in place in any track.

#### iii. Guard Rails

Guardrails must be repaired or built up by welding in the field. Defective guardrails or those having excessive wear must be replaced.

- iv. General Instructions for Welding by the Electric Arc Process
  - a) The ground clamp must applied to the same rail as the one which the welding is to be performed, and as near as possible to the area being welded.
  - b) Ground clamps must have ample capacity to handle the welding current without undue heating; ground clamp contacts to which the clamp is attached must be thoroughly clean.
  - c) At insulated joints care must be taken to avoid establishing an electrical connection between the two rails separated by the joint. An arc must not be struck on either rail without first attaching the ground clamp to rail upon which the arc is to be struck.
  - d) Both cables (electrode and ground) must be completely insulated throughout their entire length.
  - e) Approved electrical tong testers must be used periodically to ensure that the proper current is being delivered to the electrode.
  - f) When the electrode holder is not in use it must not be permitted to contact any rail, frog or metallic part connected thereto.
  - g) The supervisor in charge and the welders must observe that signal operated by the track circuits within which they are welding are operating normally. If

any abnormal condition is noticed, they must immediately protect traffic, whether railway, highway or both, and advise Control of the circumstances.

- h) Signal Maintainers must carefully observe conditions when welding is performed on their territory and repost any deviations from the instructions or any practice, which in their opinion endangers the proper operation of signal circuits or apparatus.
- i) Electrodes must be stored in a dry, warm location. Deterioration will result if the electrode coating absorbs dampness.

#### F. CARBON STEEL FROGS & DIAMOND CROSSINGS

#### i. Preparation

After determining the areas that require restoration, remove all fatigued, spalled or defective metal by grinding or by the air carbon arc process (Arcair). Arc or oxy-acetylene torch cutting is not permitted. When the air carbon arc process removes the defective metal, ensure that all slag is removed by grinding and that the parent surface is sound in preparation for the weld deposit.

#### ii. Welding Procedure

The technique of deposition will vary with the application. The first bead application shall be laid on the gauge side with successive beads being applied toward the field side with sufficient overlay to ensure complete fusion. Rebuild worn areas high enough to allow sufficient material for finish grinding.

Welding of frog points shall commence at the point and continue to the runout; that is, the same as for rail ends. Use proper techniques to end the welds so as to avoid end craters and undercutting.

#### iii. Finishing Grinding

Running surfaces shall be ground the shape and contour of the railhead, particularly with regard to the gauge line and the guard side of the flangeways. In turnout frogs only, the point should be ¼ inch lower than the adjacent wing rails and slope upward to where the point and wing rails are at the same level at a distance back from the point equal in inches to ¾ the frog number, but in no case less than 5 inches.

#### 1.6. 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. Advanced Payment is Not Allowable.

#### 1.7. INVOICES

Invoices must be sent to the MTS Accounting Department, via email, at <a href="mailto:ap@sdmts.com">ap@sdmts.com</a>. 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.

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

#### 1.8. 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.

#### 1.9. 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.

#### 1.10. DELIVERY AND ACCEPTANCE

Equipment or any deliverable provided under this contract shall be delivered F.O.B. to SDTI, 1341 Commercial Street, San Diego, California 92113 unless otherwise specified, in first class condition, complete and ready for operation, and the Contractor shall assume all responsibility and risk of loss incident to said delivery.

Contractor shall indicate delivery date on the Bid Form unless already specified, in which case, shall be made within the time set forth. Delivery is part of the consideration and must be adhered to as specified.

Contractor will not be held liable for failure to make delivery because of strikes, construction of property, governmental regulations, acts of God or any other causes beyond his control, provided a written extension of time is obtained from MTS.

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

# **Rail Welding Services**

# MTS Doc. No. PWL323.0-21 Bid Summary 12/22/20

Independent Cost Estimate (ICE)	
---------------------------------	--

	Year 1					
Item	Description	Qty./Hrs	Hourly Rate	Extended Price		
1	Hourly Labor Rate	160	\$ 252.00	\$ 40,320.00		
2	Option Hourly Labor Rate up to 16 hrs	16	\$ 252.00	\$ 4,032.00		
3	Mobilization and Transportation Fees	2	\$ 1,995.00	\$ 3,990.00		
		•	Total:	\$ 48,342.00		

### Railworks Track Svcs, Inc

Н	ourly Rate	Ex	tended Price
\$	228.00	\$	36,480.00
\$	135.00	\$	2,160.00
\$	1,800.00	\$	3,600.00
		\$	42,240.00

### Morrison Metalweld

Н	Hourly Rate		tended Price
\$	250.00	\$	40,000.00
\$	250.00	\$	4,000.00
\$	3,500.00	\$	7,000.00
		\$	51,000.00

Railroad Insurance \$ 12,000.00

	Year 2					
Item	Description	Qty./Hrs	Hourly Rate	E	xtended Price	
1	Hourly Labor Rate	160	\$ 264.60	\$	42,336.00	
2	Option Hourly Labor Rate up to 16 hrs	16	\$ 264.60	\$	4,233.60	
3	Mobilization and Transportation Fees	2	\$ 2,094.75	\$	4,189.50	
		•	Total:	\$	50,759.10	

Н	Hourly Rate		Hourly Rate		tended Price
\$	241.68	\$	38,668.80		
\$	143.10	\$	2,289.60		
\$	1,908.00	\$	3,816.00		
	•	\$	44,774.40		

\$	3,500.00	\$	7,000.00 <b>55,400.00</b>		
\$	275.00	\$	4,400.00		
\$	275.00	\$	44,000.00		
Н	Hourly Rate		Hourly Rate		tended Price

	Year 3					
Item	Description	Qty./Hrs	Hourly Rate	E	xtended Price	
1	Hourly Labor Rate	200	\$ 277.83	\$	55,566.00	
2	Option Hourly Labor Rate up to 16 hrs	16	\$ 277.83	\$	4,445.28	
3	Mobilization and Transportation Fees	3	\$ 2,199.49	\$	6,598.46	
			Total	: \$	66,609.74	

Н	ourly Rate	Ex	tended Price
\$	256.18	\$	51,236.00
\$	151.69	\$	2,427.04
\$	2,022.48	\$	6,067.44
		\$	59,730.48

Н	Hourly Rate		Hourly Rate		tended Price
\$	275.00	\$	55,000.00		
\$	275.00	\$	4,400.00		
\$	3,500.00	\$	10,500.00		
		\$	69,900.00		

	Year 4						
Item	Description	Qty./Hrs	Hourly Rate	Ex	tended Price		
1	Hourly Labor Rate	200	\$ 291.72	\$	58,344.30		
2	Option Hourly Labor Rate up to 16 hrs	16	\$ 291.72	\$	4,667.54		
3	Mobilization and Transportation Fees	3	\$ 2,309.46	\$	6,928.39		
			Total:	\$	69,940.23		

Н	Hourly Rate		Hourly Rate		tended Price
\$	271.55	\$	54,310.00		
\$	160.79	\$	2,572.64		
\$	2,143.83	\$	6,431.49		
		\$	63,314.13		

Ho	ourly Rate	E×	tended Price
\$	288.00	\$	57,600.00
\$	288.00	\$	4,608.00
\$	3,700.00	\$	11,100.00
	,		73,308.00

Year 5					
Item	Description	Qty./Hrs	Hourly Rate	Ex	tended Price
1	Hourly Labor Rate	200	\$ 306.31	\$	61,261.52
2	Option Hourly Labor Rate up to 16 hrs	16	\$ 306.31	\$	4,900.92
3	Mobilization and Transportation Fees	3	\$ 2,424.93	\$	7,274.80
			Total:	\$	73,437.24

H	Hourly Rate		Ex	tended Price
٠,	\$	287.84	\$	57,568.00
;	\$	170.43	\$	2,726.88
[	\$	2,272.46	\$	6,817.38
				67,112.26

H	Hourly Rate		tended Price
\$	288.00	\$	57,600.00
\$	288.00	\$	4,608.00
\$	3,700.00	\$	11,100.00
			73,308.00

\$	Sum	m	ary
Total Year	1: 5	5	48,342.00
Total Year	2: \$	3	50,759.10
Total Year	3: 5	3	66,609.74
Total Year	4: \$	5	69,940.23
Total Year	5: \$	5	73,437.24
Total 5 years (Basis of Awar	d) [	5	309,088.31

\$ 277,171.27
\$ 67,112.26
\$ 63,314.13
\$ 59,730.48
\$ 44,774.40
\$ 42,240.00

\$ <b>\$</b>	73,308.00 <b>334,916.00</b>
\$	73,308.00
\$	69,900.00
\$	55,400.00
\$	63,000.00



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

March 11, 2021

Draft for Executive Committee Review Date: 03/04/2021

SUBJECT:

FARE COLLECTION CHANGE ORDERS - CONTRACT AMENDMENT

#### **RECOMMENDATION:**

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute Amendment No. 6 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 \$765,271.76.

# **Budget Impact**

The total amendment budget shall not exceed \$765,271.76 giving the project a total budget of \$42,970,669.76 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...









TBD	3/11/21	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
Total Board Approved Amount \$42,970,669.76				

#### 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. 6 (Attachment A) at \$765,271.76 revises the agreement as follows:

### 1. Customer and Institutional Website Scope Updates (Attachment B)

Adds \$304,486.71 in improvements to the customer and institutional websites for the PRONTO fare system.

MTS's Independent Cost Estimate (ICE) for the website revisions is \$319,385.00. Staff deems Contractor's cost at \$304,486.71 to be fair and reasonable.

#### 2. Reduced Fares Program Enrollment (Attachment C)

Adds new scope to create an online reduced fare application portal. The online reduced fare application would give riders the ability to register for reduced fares online. This new functionality will enhance the customer experience by making it easier to apply for reduced fares without having to register in person. The solution includes automatic age verification modules which will make the experience seamless. The solution also includes the ability for drivers and fare inspectors to display the photo associated with the registered participant via the driver control unit and fare inspection device to prevent misuse.

MTS's ICE for the online reduced fare application portal is \$1,048,810.00. Staff deems Contractor's cost at \$1,170,482.67 to be fair and reasonable.

#### 3. <u>Driver Control Unit Screen Flow Changes (Attachment D)</u>

The new PRONTO account-based fare system will not have an integration between the Genfare cash farebox and the driver control unit from INIT in order to limit a costly integration between both providers. Due to this limitation, MTS is requesting a redesign of the driver control unit for \$107,955.76 to include tally buttons that will allow operators to specify the tally type for passengers that pay with cash. This tool will allow MTS to incorporate statistics from cash paying customers directly into the INIT reporting platform.

MTS's ICE for the driver control unit screen flow revisions is \$147,000.00. Staff deems Contractor's cost at \$107,955.76 to be fair and reasonable.

## 4. SAGE Operator Separation (Attachment E)

MTS is requesting a change to the Mobile Vario (MV) and Sage configuration to support reconciliation of credit/debit payments by Agency (MTS and NCTD) for ticket vending machines (TVMs) and ticket office terminals of \$44,490.72 that will be separately operated by each agency. This will require that credit card transactions are appended with an agency designator to allow grouping/summarization by agency. With the transactions separated, each agency will be able to reconcile credit card transactions between Sage and their respective accounts at Chase.

MTS's ICE for the SAGE reconciliation changes is \$114,816. Staff deems Contractor's cost at \$44,490.72 to be fair and reasonable.

# 5. <u>Customer Relationship Management (CRM) Payment Integration with Enghouse (Attachment F)</u>

MTS requires an encrypted over the phone payment solution that integrates well with the INIT provided Salesforce fare system CRM and the current MTS Cisco telemetry. INIT will make the necessary revisions to the Salesforce CRM platform in order to support the development at a cost of \$40,499.20. This solution will enable customers to make payments over the phone while being assisted by a customer service representative. The solution encrypts the payment tones to ensure the customer service agent cannot identify the credit card number being used. This strategy allows MTS to remain compliant with the Payment Card Industry standards.

MTS's ICE for the CRM payment encryption changes is \$49,800.00. Staff deems Contractor's cost at \$40,499.20 to be fair and reasonable.

#### 6. Fare Media Credit (Attachment G)

The initial INIT contract scope included provisions for fare media. The media needs have been re-assessed in anticipation of the PRONTO launch as follows:

- Additional ticket rolls were ordered to provide adequate supply (installed and spares) of both printed stock for TVMs on the region's rail lines (Trolley Green, Blue, Orange and SPRINTER and COASTER) as well as receipt paper;
- b) Addition of scratch-off PIN to Extended Use media for added security;
- c) Addition of a registration sticker to Extended Use media to remind folks to register and therefore protect the balances on their Pronto accounts:
- d) Reduction in extended use media to be supplied by INIT to 1,150,000 cards in response to:
  - i. Reduced ridership levels due to COVID;
  - ii. Addition of 300,000 retail cards added to the Ready Credit scope of work (January 2021 Board action); and
- e) Increase in limited use media to be supplied by INIT to 752,000 to better align to PRONTO operational needs for the first 1 to 2 years.

The net effect of these changes to the INIT contract value is a capital <u>credit</u> of \$902,643.30.

This \$902,643.30 credit is applied to the capital costs of the change orders Attachments A – F, as shown below, to bring the overall Amendment 6 to \$765,271.76:

			ONGOING
CHANGE ORDERS	TOTAL	CAPITAL	MAINTENANCE
Customer/Institutional Website	\$ 304,486.71	\$ 186,093.00	\$ 118,393.71
DCU Tallies	\$ 107,955.76	\$ 66,960.00	\$ 40,995.76
SAGE scope revision	\$ 44,490.72	\$ 21,280.00	\$ 23,210.72
CRM INIT change	\$ 40,499.20	\$ 40,499.20	-
Online Reduced Fare Application	\$ 1,170,482.67	\$ 530,374.00	\$ 640,108.67
Sub-Total	\$ 1,667,915.06	\$ 845,206.20	\$ 822,708.86
Fare Media Credit	\$ (837,720.00)	\$(837,720.00)	-
7.75% Tax on Fare Media Credit	\$ (64,923.30)	\$ (64,923.30)	-
Total Fare Media Credit with Tax	\$ (902,643.30)	\$(902,643.30)	-
Costs After Fare Media Credit	\$ 765,271.76	\$ (57,437.10)	\$ 822,708.86

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Amendment 6 to MTS Doc. No. G2091.0-18, with INIT, for a total contract increase of \$765,271.76.

/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 Amendment G2091.6-18

- B. Customer and Institutional Website Scope Updates
- C. Reduced Fares Program Enrollment
- D. Driver Control Unit Screen Flow Changes
- E. SAGE Operator Separation
- F. CRM Payment Integration with Enghouse
- G. Fare Media Credit



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

# **Amendment 6**

February 17, 2021 MTS Doc No. G2091.6-18

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.6 to the original agreement G2091.0-18 as further described below.

# **SCOPE**

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

- A. Customer and Institutional Website Scope Updates
- B. Reduced Fares Program Enrollment
- C. Driver Control Unit Screen Flow Changes
- D. SAGE Operator Separation
- E. Customer Relationship Module (CRM) Payment Integration with Enghouse
- F. Fare Media Credit

#### 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 6 is \$765,271.76 as shown below. This amount shall not be exceeded without prior written approval from MTS.

Change Order	Amount
Customer and Institutional Website Scope Updates	\$304,486.71
Reduced Fares Program Enrollment	\$1,170,482.67
Driver Control Unit Screen Flow Changes	\$107,955.76
SAGE Operator Separation	\$44,490.72
Customer Relationship Module (CRM) Payment Integration with Enghouse	\$40,499.20
Fare Media Credit	(\$902,643.30)
Amendment 6 Total	\$765,271.76









Please sign and return the copy marked original to the Contract Specialist at MTS. All other terms and conditions shall remain the same and in effect. Retain the other copies for your records.

Sincerely,	Agreed:		
Sharon Cooney, Chief Executive Officer	Roland Staib, President and CEO		
Charon Gooney, Chief Excounted Chief	INIT Innovations in Transportation, Inc.		
	Date:		

- Attachment: A. Customer and Institutional Website Scope Updates
  - B. Reduced Fares Program Enrollment
  - C. Driver Control Unit Screen Flow Changes
  - D. SAGE Operator Separation
  - E. Customer Relationship Module (CRM) Payment Integration with Enghouse
  - F. Fare Media Credit

# **Attachment B**

# Customer and Institutional Website Scope Updates

San Diego - Customer and Inst. Website Scope Updates

 Proposal #:
 2020-189-06
 order

 Date:
 2/10/2021
 Invoicing

Validity: 60 Days Milestones: See below

Existing Contract G2091.0-18 Terms & Conditions

apply

#### **Description:**

MTS has requested a proposal for changes in scope to the customer and institutional portals.

#### **Solution:**

The following items were identified during the FDR review of CDRL 12-2 and 12-4 for change order estimation:

#### Issues

### CDRL 12-1 - FDR MIL-29 - Customer - change Reset Password to send token and link

1. Need new API call to send email with link and token, 2. Need new API call to validate token, 3. Need a new web page to evaluate token, 4. Token valid - web page is password reset, 5. Token invalid - web page is error message, NOTES - Section 2.5, Requirement 12.2.4-5 - base solution meets the requirement. This would require an INIT API update and MAR code changes.

### CDRL 12-4 - FDR MIL-15 - Institution - Unblock Institution User/Admin

1. Design Update, 2. Add unblock API call, NOTES - Section 2.1, Requirement 12.3.1-2 (6) Does not mention unblock.

# CDRL 12-4 - FDR MIL-19 - Institution - In shopping cart show Participant Name with product order info

1. Design Update, 2. Update shopping cart to retrieve participant data, NOTES - Section 2 does not have any requirements specifying what is to be listed on an order.

The following items were identified by SDMTS and Jacobs as Institution "Hybrid" changes:

#### Issues

#### FDR MIL-62: Search by Multiple Criteria

# CDRL 12-4 - FDR MIL-62: Search by Multiple Criteria - Manage Cards, View, Search, Sort, and Download

1. Add ability to search by multiple criteria.

### FDR MIL-69: Sub-accounts

## CDRL 12-4 - FDR MIL-69: Sub-account - Institution Sub-accounts

1. Add a institution sub-account list page, 2. Provide the ability to open and manage an institution sub-account from the parent institution

#### **FDR MIL-72: Groups**

#### CDRL 12-4 - FDR MIL-72: Groups - Institution - Manage Cards List Table

1. Add a column for groups and ability to filter by groups

#### CDRL 12-4 - FDR MIL-72: Groups - Institution - Manage Participants List Table

1. Add a column for groups and ability to filter by groups

### CDRL 12-4 - FDR MIL-72: Groups - Institution - Add/Edit Participant Form

1. Add a field for groups, drop-down the selects from a list of groups

### CDRL 12-4 - FDR MIL-72: Groups - Institution - Manage Groups

1. Group list page, 2. Add a group, 3. Edit a group, 4. Delete a group

### CDRL 12-4 - FDR MIL-72: Groups - Institution - Bulk Actions for Participants

1. Add Group to Add, Update, and Delete Participant Bulk Actions

# CDRL 12-4 - FDR MIL-72: Groups - Manage Cards, Add to Group

1. Add cards to a group

#### CDRL 12-4 - FDR MIL-72: Groups - Manage Cards, Remove from Group

1. Remove cards to a group

#### CDRL 12-4 - FDR MIL-72: Groups - Manage Cards, Move to New Group

1. Move cards to a new group

#### FDR MIL-73: Retain Filter

#### CDRL 12-4 - FDR MIL-73: Retain Filter - Institution - Manage Cards List Table

1. Record and retain filter criteria for user session

### CDRL 12-4 - FDR MIL-73: Retain Filter - Institution - Manage Participants List Table

1. Record and retain filter criteria for user session

#### FDR MIL-80: Manage Card Bulk Actions for Multiple Cards (Incl. Design Review)

# CDRL 12-4 - FDR MIL-80: Manage Card Bulk Actions for Multiple Cards - Manage Cards, Remove (Unlink) Card(s) from Institution

1. Replace web app batch process with MOBILEvario job.

# CDRL 12-4 - FDR MIL-80: Manage Card Bulk Actions for Multiple Cards - Manage Cards, Block Card(s)

1. Replace web app batch process with MOBILEvario job.

# CDRL 12-4 - FDR MIL-80: Manage Card Bulk Actions for Multiple Cards - Manage Cards, Unblock Card(s)

1. Replace web app batch process with MOBILEvario job.

# CDRL 12-4 - FDR MIL-80: Manage Card Bulk Actions for Multiple Cards - Manage Cards, Add Value to a Card(s)

1. Replace web app batch process with MOBILEvario job.

# CDRL 12-4 - FDR MIL-80: Manage Card Bulk Actions for Multiple Cards - Manage Cards, Add a Pass to a Card(s)

1. Replace web app batch process with MOBILEvario job.

# CDRL 12-4 - FDR MIL-80: Manage Card Bulk Actions for Multiple Cards - Manage Cards, Add Value Autoload

1. Add the user interface to Add Autoload to a selection of multiple cards, 2. Create a bulk add autoload job with selected cards, 3. INIT - create endpoint to process a bulk add autoload job

# CDRL 12-4 - FDR MIL-80: Manage Card Bulk Actions for Multiple Cards - Manage Cards, Add Pass Auto-renew

1. Add the user interface to Add Auto-renew to a selection of multiple cards, 2. Create a bulk add auto-renew job with selected cards, 3. INIT - create endpoint to process a bulk add auto-renew job

# CDRL 12-4 - FDR MIL-80: Manage Card Bulk Actions for Multiple Cards - Manage Cards, Delete Value Autoload

1. Replace web app batch process with MOBILEvario job.

# CDRL 12-4 - FDR MIL-80: Manage Card Bulk Actions for Multiple Cards - Manage Cards, Delete Pass Auto-renew

1. Replace web app batch process with MOBILEvario job.

#### **SIT Change Requests**

### **Customer - ISDM-181**

1. Show fare category on customer manage cards page. – Design updates included

#### Customer - ISDM-190 - Test 27 - Customer website total transaction should not exceed \$300

1. Create a specific error message related to exceeding max amount – Design updates included

#### Customer - ISDM-191 - Test 070 - "Account Number" (= #802)

1. Remove account number

#### Customer - ISDM-193 - Test 109

1. For split payments, need to show amount on each card (& masked PANs)

#### Institution - ISDM-198 - Test 43 - Phone number search does not include cell phone numbers

1. Will only use one phone number per Participant. SD directed MAR remove phone number from the search (use first name, last name, identifier)

#### **Customer/Institution – Change UX**

- 1. Block Card Workflow: Change UX for block card workflow on Consumer and Institution Design updates included
- 2. Shopping cart change UX to add element button and function to make the shipping address
- = billing address

### **Fare Media UX Changes**

- 1. Update styles: section title, inactive badge, active month badge
- 2. Adjust text size and position on default day/month badge.
- 3. Add conditions: if pass is regional, display regional day or month badge; if pass is coaster, display coaster badge
- 4. Tooltip updates

## **Stored Value and Pretax Shopping Cart Updates**

- 1. Show combined balance in Payment Method dropdown.
- 2. If a user adds a Reload to the shopping cart remove option to pay with stored value
- 3. Loading Products on multiple cards remove the cards with pretax stored value
- 4. Loading Product on one card include the card receiving the product and others without pretax balance
- 5. Remove stored value payment method options if the balance is less than the cart total
- 6. Re-include the stored value option if split payment value is less than the balance

To facilitate the above scope changes, the customer and institutional websites will be customized accordingly and INIT will customize the MOBILEvario software in the following ways:

- Add Participants to a group. Participant import/update bulk jobs will be enhanced by adding group name as a column into the CSV file. Instead of uploading a CSV file identifying the transit accounts, a group id would be given to a job. The job service would then go over all participants (SL\_OrganizationParticipant) in that group and use all transit accounts associated to those participants to perform the job. Cards or transit accounts cannot be added to the groups directly only the participants.
- Hierarchies: Already supported via /SubAccounts calls with the following restrictions:
  - Only supported for Institution Accounts.
  - Only moving down the hierarchy is supported, not moving up.
  - o If changes to these restrictions are needed, another estimate is required.

Note: If additional changes from the above scope are needed, additional costs will need to be estimated.

### **Google Language Selector**

INIT will add the ability for a user to have a single language selector. English and Spanish will populate from the content management system, Umbraco, and other required languages will populate from Google API Language Translator.

## Scope of Work

- Design Creation of Custom Language Selector Dropdown
- Develop Custom Language Selector UX
- Develop ability for a user to have a single language selector drop down and have language options be available from Umbraco and Google Language Selector API
- Develop Google API Integration
- Documentation updates to the CDRL and use cases

Note: San Diego MTS will be responsible for a fee to Google of \$20 per month per 1 million characters translated on the site.

### **Capital Costs:**

• A breakdown of labor is included in Exhibit A.

Item	Description	Price total USD
1	INIT Software Development	
	FDR MIL-72: Groups	13,312.00
	Testing and Deployment	6,656.00
2	Customer & Institutional Website Development	
	CDRL 12-1 - FDR MIL-29 - Customer - change Reset Password to send token and link	11,489.00
	CDRL 12-4 - FDR MIL-15 - Institution - Unblock Institution User/Admin	1,917.00
	CDRL 12-4 - FDR MIL-19 - Institution - In shopping cart show Participant Name with product order info	7,319.00
	CDRL 12-4 - FDR MIL-62: Search by Multiple Criteria - Manage Cards, View, Search, Sort, and Download	7,319.00
	CDRL 12-4 - FDR MIL-69: Sub-account - Institution Sub-accounts	7,319.00
	FDR MIL-72: Groups	41,297.00
	CDRL 12-4 - FDR MIL-73: Retain Filter - Institution - Manage Cards List Table	7,488.00
	FDR MIL-80: Manage Card Bulk Actions for Multiple Cards	40,845.00
	Google Language Selector	18,867.00
	SIT Change: Customer - ISDM-181 - Show fare category on customer manage cards page	1,050.00
	SIT Change: Customer - ISDM-190 - Test 27 - Customer website total transaction should not exceed \$300	2,800.00
	SIT Change: Customer - ISDM-191 - Test 070 - "Account Number" Removed	1,050.00

	Grand Total excl. Tax	\$186,093.00
	Project Management & Systems Engineering	19,160.00
3	Project Services	
	Contingency Budget added to RFP BAFO Website Price	-16,000.00
	Stored Value and Pretax Shopping Cart Updates	3,850.00
	Fare Media UX Changes	2,625.00
	Change UX for shopping cart - shipping address = billing address	1,050.00
	Change UX for block card workflow on Consumer and Institution – Design updates included	1,050.00
	SIT Change: Institution - ISDM-198 - Test 43 - Phone number search does not include cell phone numbers	2,800.00
	SIT Change: Customer - ISDM-193 - Test 109- For split payments, need to show amount on each card (& masked PANs)	2,800.00

# **Annual Maintenance Fees after Warranty Period:**

Item	Maintenance	INIT	Marathon	Price total USD
1	Year 1	0.00	0.00	0.00
2	Year 2	1,766.45	10,369.32	12,135.77
3	Year 3	1,802.12	10,576.71	12,378.83
4	Year 4	1,838.44	10,788.24	12,626.68
5	Year 5	1,875.33	11,004.01	12,879.34
6	Year 6	1,913.70	11,224.09	13,137.78
7	Year 7	1,952.45	11,448.57	13,401.02
8	Year 8	1,991.50	11,677.54	13,669.04
9	Year 9	2,031.75	11,911.09	13,942.84
10	Year 10	2,073.11	12,149.31	14,222.42
	Grand Total excl. Tax	\$ 17,244.85	\$ 101,148.86	\$ 118,393.71

# **Invoicing Milestones:**

The capital costs will be invoiced as follows:

Milestone	Percentage	Total
Design	35%	\$65,132.55
Screen Mockups	20%	\$37,218.60
User Acceptance Test	35%	\$65,132.55
Final User Acceptance Test	10%	\$18,609.30
		\$186,093.00

Annual Maintenance fees will be added to the extended maintenance contract and invoiced accordingly.

The total not to exceed amount for this proposal is \$ 304,486.71.

### **INIT Contact:**

Name: Erica Brown

Position: Sr. Account Manager Phone: 757-413-9100 x323 Email: <a href="mailto:ebrown@initusa.com">ebrown@initusa.com</a>

# Signature:

Eric Linxweiler

COO

Roland Staib President & CEO

# **Exhibit A**

# INIT Breakdown:

Description:	Days:	Rate:	Total:
Clarification	2	1664.00	\$ 3,328.00
Development	6	1664.00	\$ 9,984.00
Testing & Deployment	4	1664.00	\$ 6,656.00
Project Management	2.8	1520.00	\$ 4,256.00
System Engineering	8.1	1840.00	\$ 14,904.00

# Marathon Breakdown:

Description:	Days	Rate:	Total:
CDRL 12-1 - FDR MIL-29 - Customer - change Reset Password to send token and link	7	1400.00	\$ 9,800.00
CDRL 12-4 - FDR MIL-15 - Institution - Unblock Institution User/Admin	1	1400.00	\$ 1,400.00
CDRL 12-4 - FDR MIL-19 - Institution - In shopping cart show Participant Name with product order info	5	1400.00	\$ 7,000.00
CDRL 12-4 - FDR MIL-62: Search by Multiple Criteria - Manage Cards, View, Search, Sort, and Download	5	1400.00	\$ 7,000.00
CDRL 12-4 - FDR MIL-69: Sub-account - Institution Sub-accounts	5	1400.00	\$ 7,000.00
FDR MIL-72: Groups	28	1400.00	\$ 39,200.00
CDRL 12-4 - FDR MIL-73: Retain Filter - Institution - Manage Cards List Table	5	1400.00	\$ 7,000.00
FDR MIL-80: Manage Card Bulk Actions for Multiple Cards	27	1400.00	\$ 37,800.00
Google Language Selector	12	1400.00	\$ 16,800.00
SIT Change: Customer - ISDM-181 - Show fare category on customer manage cards page	0.75	1400.00	\$ 1,050.00
SIT Change: Customer - ISDM-190 - Test 27 - Customer website total transaction should not exceed \$300	2	1400.00	\$ 2,800.00
SIT Change: Customer - ISDM-191 - Test 070 - "Account Number" Removed	0.75	1400.00	\$ 1,050.00
SIT Change: Customer - ISDM-193 - Test 109- For split payments, need to show amount on each card (& masked PANs)	2	1400.00	\$ 2,800.00
SIT Change: Institution - ISDM-198 - Test 43 - Phone number search does not include cell phone numbers	2	1400.00	\$ 2,800.00
Change UX for block card workflow on Consumer and Institution	0.75	1400.00	\$ 1,050.00
Change UX for shopping cart - shipping address = billing address	0.75	1400.00	\$ 1,050.00
Fare Media UX Changes	1.8	1400.00	\$ 2,520.00
Stored Value and Pretax Shopping Cart Updates	2.75	1400.00	\$ 3,850.00
Marathon Project Management	5	1520.00	\$ 7,600.00

<sup>\*</sup> Note the difference in the total price is the 1st year warranty built into each line that includes website code change.

# **Attachment C**

# Reduced Fares Program Enrollment

### Pronto Reduced Fare Website Enrollment

MTS wants riders to have the ability to register for reduced fare online. This document covers the system changes to 1) allow users to apply for reduced fares through the public website, 2) grant selected institutions the ability to designate their participants as reduced fare, and 3) display the reduced fare photo on the DCU and inspection app upon request.

MTS intends to use the Cardholder rider category, as described in CDRL 11-2 and shown in Figure 1, for the management of reduced fare eligibility in the region. This applies to the website functionality described below as well as to those cards issued at the Transit Store.

Figure 1: Setting the Fare Category

# 3.2 Fare Category

The transit account, as well as the cardholder can have a fare category assigned. The cardholder fare category can have an optional expiry. This fare category is used when selecting tickets, with the following priority:

- 1) Card holder fare category (if set and not expired)
- 2) Transit account fare category (if set)
- 3) Fallback to Adult (default)

Card holder fare categories are used to temporarily override a fare category for a transit account. The fare category can be changed through this structure for a defined time. E.g. one could turn to disabled for a month because of a broken leg. The system will switch back to the old fare category after that period automatically. The data model is described in CDRL 7-1 chapter 3.

There will be two paths available to the customer on the public website. These paths have been clarified/refined since the original submission and the corresponding flow diagrams (provided below) modified to be consistent with the descriptions below. In Path 1, the customer requests conversion of a card already in their possession to a reduced fare cardholder category. In Path 2, the customer requests a new personalized reduced fare card. To support all reduced fare cardholders, both the public and institutional websites need to display the *cardholder* rider category and expiration date.

#### Website Path 1: User signs up on website, converting an existing Pronto card to a reduced fare card

- 1. The user creates a customer account on the consumer website and registers a Pronto card. (No changes to the existing website or APIs.)
- 2. User presses an "Apply for Reduced fares" button and is asked whether they wish to Convert an Existing Card or Order a New Card. For Path 1, the remaining steps assume Convert an Existing Card has been selected.
- 3. Cards within the customer's account are then displayed for selection. This dropdown list should show the Nickname (if assigned) and card number. Note: the website needs to provide adequate messaging to the customer as to what to expect when their card is converted with respect to fare capping status and use of passes in the account. This language will be developed in conjunction with Init.
- 4. User selects the type of eligibility (Youth, Senior, SSI/SSDI, DMV Disabled, Medicare, MTS Access, Other California Transit Agency ID, Long Form Approval Letter) for which they are applying. The

website will provide space for descriptions and criteria for each type of eligibility. The types of eligibilities do not match the rider categories exactly as there are multiple ways to get Disabled status so the 'GET api/FareCategory' call will not work. We have asked that these categories be defined in MobileVario so that they can be selected via the TOT and the CRM as well to support reduced fares applications processes. Our preference would be for the website to retrieve the eligibility categories from MV instead of hard-coding them in Umbraco. The association of eligibility types to reduced fare rider categories to be defined for the Cardholder rider category is:

Cardholder Rider Category	Reduced Fare Eligibility Type	
Youth	Youth	
Senior	Senior	
Disabled	SSI/SSDI, DMV Disbled, Medicare, MTS Access, Other CA	
	Transit Agency ID, Long Form Approval Letter)	

- 5. User fills out required fields on the webpage (Name, DOB, etc.) and uploads any required documents (Headshot, picture of license, etc.) as required for each type of reduced fare so they can be reviewed by MTS or a third-party service for final approval if required (see step 7). From an API perspective, this would be multiple calls: one POST api/Cardholder to create the cardholder with basic information (Name, DOB etc.), followed by one POST for each picture uploaded (POST api/Cardholders/Image). Finally, a call to link the transit account to the cardholder (POST api/TransitAccounts/CardHolder). The API call to upload more than one image is not currently available in the APIs.
- 6. Application fee is collected as appropriate through the website. The application fee will be a 'non transit' product sold by the website using a POST Sale. 2
- 7. If payment is successful (if payment is not successful, show appropriate error message):
  - a. If user applies for an 'age verification' fare category like youth or senior:
    - i. Website will use an age verification service that automatically verifies the age based on the documents submitted.
    - ii. Website will make an API call and update the fare category and the expiration date of the fare category within the cardholder element. The expiration date (e.g. 2 years) defines when the reduced fare category expires, and the card turns back into an adult card if not otherwise extended. Rules for the expiration date design:
      - 1. This date should be fully configurable by MTS
      - 2. Incorporate logic that eligibility expires at month's end, commensurate with the end of the monthly capping period (e.g., 2 years from month end of application date).
      - 3. Youth eligibility should not extend past the month of the 19<sup>th</sup> birthday.
      - 4. If possible, MTS would like a separate configurable date for Senior and Youth.

<sup>&</sup>lt;sup>1</sup> Customers who cannot pay via the website will be required to apply for reduced fares in person at the Transit Store.

<sup>&</sup>lt;sup>2</sup> MTS will need to create two different types of application fees – one for Website Path 1 that does not include the card fee and another for Website Path 2 that includes the card fee.

- iii. Website shows the user a message that the fare category was successfully changed. If the age cannot be verified or there are problems with the uploaded photo:
  - A message should be provided to the customer that their eligibility cannot be verified, and their request has been escalated for further review.
  - 2. A service request should be generated (see b.i below).
- b. If user applied for a fare category that needs manual verification (i.e., any of the disability-related eligibilities):
  - i. Website will make an API call to create a service request in the backend system. The service request will contain the card number, photo, eligibility documentation, and a clear description of the request so that a customer service representative can work through the case using the CRM. The representative will then manually change the fare category after review and manually notify the user that the fare category was changed. The service request created should have unique subject field or case type so these requests can be easily identified and tracked in the CRM.
  - ii. Website shows user a message that the case is under review and that the user will be notified via email once the review is complete.
  - iii. Upon closing of the case, the eligibility documentation (but not the photo) will be purged from the system.

For all steps, space must be provided for basic customer instructions.

Website Path 1 should support both first-time reduced fare applicants and those seeking to extend their reduced fare eligibility.

#### Website Path 2: User signs up on website and is mailed a personalized reduced fare Pronto card

- 1. The user creates a customer account on the consumer website and registers a Pronto card. (No changes to the existing website or APIs.)
- 2. User presses an "Apply for Reduced fares" button and is asked whether they wish to Convert an Existing Card or Order a New Card. For Path 2, the remaining steps assume Order a New Card has been selected.
- 3. User selects the type of eligibility (Youth, Senior, SSI/SSDI, DMV Disabled, Medicare, MTS Access, Other California Transit Agency ID, Long Form Approval Letter) for which they are applying.
- 4. User fills out required fields on the webpage (Name, DOB, etc.) and uploads any required documents (Headshot, picture of license, etc.) as required for each type of reduced fare so they can be reviewed by MTS or a third party before final approval. From an API perspective, this would be multiple calls: one POST api/Cardholder to create the cardholder with basic information (Name, DOB etc.), followed by one POST for each picture uploaded (POST api/Cardholders/Image)
- 5. Application fee and card fee are collected as appropriate through the website. From an API perspective, the card fee will be collected in a POST Sale that creates the work item to create the card. Within this POST Sale the Cardholder ID will be submitted so that the link between the cardholder ID and the order is made.

- 6. Notifies user that the request will be reviewed within a certain period of time (e.g., 2 weeks). This language should be editable by MTS.
- 7. Website will make an API call to create a service request in the backend system.
  - a. The service request will contain the card number, photo, eligibility documentation, and a clear description of the request so that a customer service representative can work through the case using the CRM. The service request created should have unique subject field or case type so these requests can be easily identified and tracked in the CRM, separately from those created in step 7.b.i above. The service requests need to differentiate those requests that just require changing the Cardholder category and expiration date from those that need a new card printed and mailed.
  - b. If accepted a personalized card is printed, card is mailed, and user is notified via email.

    The email will be manually sent by the customer service representative that executes the order.<sup>3</sup>
  - c. If declined cardholder is notified. The email will be manually sent by the customer service representative that executes the order. Refund of the application fee will be at the discretion of MTS.
  - d. Upon closing of the case, the eligibility documentation (but not the photo) will be purged from the system.

#### Institutional website:

MTS will allow select institutions to change the cardholder category of their participants so they may be granted access to reduced fares. The ability to change the cardholder category should be a configurable setting by institutional account. If the account is allowed to grant reduced fare eligibility, the administrator of institutional account should be allowed to create a cardholder (i.e., the participant's name) and upload a photo (required and validated using the photo verification service). If possible, configurability of what cardholder categories each institution can select is preferred to general permission to change the cardholder category to all available options (perhaps using Salesforce permissions to uniquely identify available cardholder categories by institution and the Edit\_Cardholder Category permission in MobileVario as currently designed). The expiration date of the reduced fare cardholder category will be based on an MTS-configurable date in Umbraco. If possible, MTS would like unique configurable dates for Youth, Senior, and Disabled rider categories. Cardholders created and converted to reduced fares via this process should be a distinct event or a distinct sales channel, as appropriate, that can be queried/reported on to monitor and audit this institutional account activity.

#### Inspection app:

The inspection app needs to be modified to show a "Show Photo" button after inspecting a reduced fare card, and in the inspection history. If pressed the app would load the cardholder photo associated with the inspected card. Offline inspection does not need to show the button. If no picture is available for the card, a respective error message 'no image available' will be shown.

<sup>&</sup>lt;sup>3</sup> Business rules for establishing the reduced fare eligibility on the transit account will be determined by MTS but are expected to be similar to that for age-based qualifications through Website Path 1 with the cardholder rider category changed and the temporary eligibility date set.

#### Validation App:

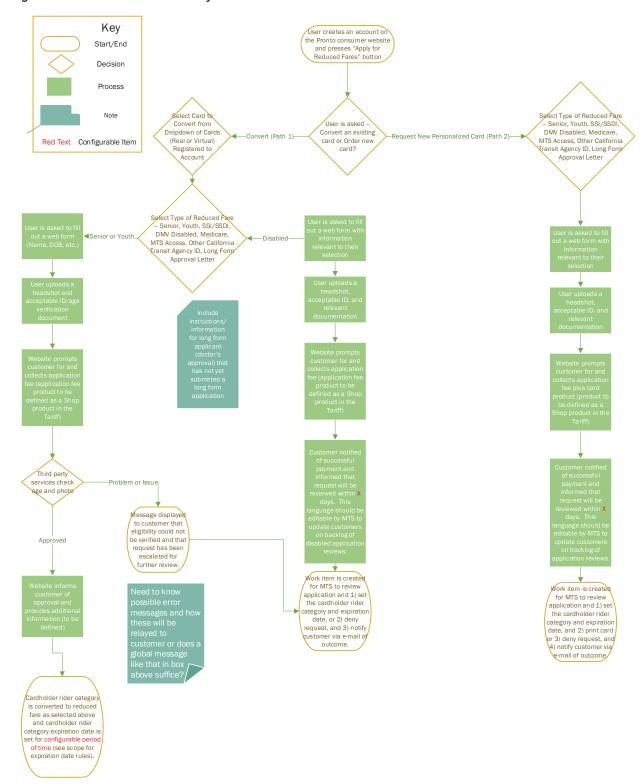
The validation app needs to be modified to show a "Show Photo" button after validating a reduced fare card, and in the validation history. If pressed the app would load the cardholder photo associated with the validated card. Offline validation does not need to show the button. If no picture is available for the card, a respective error message 'no image available' will be shown.

#### DCU:

The DCU needs to be modified to show a "Show Photo" button after a reduced fare card is presented to the validator. If pressed the DCU would load the cardholder photo associated with the card. Offline validation does not need to show the button. If no picture is available for the card, a respective error message 'no image available' will be shown.

#### Virtual Card:

The mobile app does not need to allow users to request reduced fare virtual cards, this will all happen through the website. To get a reduced fare virtual card a user would provision a virtual card using the mobile app, then use the website to convert it to a virtual card using Path 1.

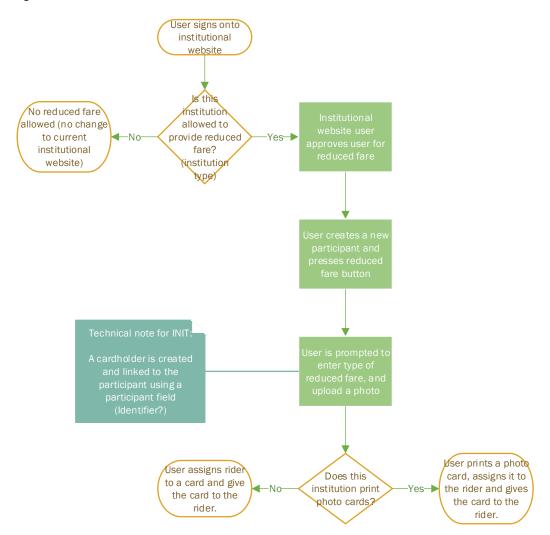


6

Figure 2: Customer Website Flow for Paths 1 and 2

C-7

Figure 3: Institutional Website Flow



Only if desired by MTS at some point, not an element of design but of procedure.

#### INIT Innovations in Transportation, Inc.

60 Days

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San Diego - Reduced Fares Program Enrollment

Customer: San Diego MTS
Prepared by: Erica Brown
Proposal #: 2020-324-03
Date: 2/10/2021

**Warranty:** 1 Year from System Acceptance

**Delivery:** Estimated Q4 2021

Invoicing

Milestones: See Below

Existing Contract G2091.0-18 Terms & Conditions

apply

#### **Description:**

Validity:

MTS has defined three (3) different Fare Categories - Adult, Senior/Disabled/Medical (SDM) and Youth. The reduced fare categories (i.e., SDM and Youth) require an eligibility check, which means that the cardholder must prove their eligibility for the given fare category. The original contract scope is based on the assumption that this check would be done face-to-face by customer service agents, but MTS has now requested the ability to enable the enrollment through the Customer Website and CRM Tool.

#### **Solution:**

The proposed solution covers the following use cases that will be initiated on the Customer Website:

- Change existing Adult card to Youth
- Order a new Youth card on the website
- Change Existing Adult Card to SDM
- Order a new SDM card on the website
- Renew an SDM card on the website

SDM is a consolidated fare category of Senior, Disabled and Medicare. The SDM fare category can have the following different kinds of eligibility type checks:

- Senior (denotes the age-based qualification within the SDM rider type)
- SSI/SSDI
- DMV Disabled
- Medicare
- MTS Access
- Other CA Transit Agency ID
- Long Form Approval Letter

INIT will customize the API client to know which eligibility check is required for each of the Eligibility Types (for example age for EligibilityType "Senior" and a scanned document for Medicare).

Fare Category	EligibilityType (new API field)	Eligibility Check
Adult	N/A	none
SDM	Senior	Age/Website
	SSI/SSDI	Document/CRM
	DMV Disabled	Document/CRM
	Medicare	Document/CRM
	MTS Access	Document/CRM
	Other CA Transit Agency ID	Document/CRM
	Long Form Approval Letter	Document/CRM
Youth	Youth	Age/Website

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The fare categories of Youth and SDM with eligibility type "Senior" are dependent on the card holders' age. With this enhancement, the age is verified synchronously by the PRONTO Website by using a 3rd party service that evaluates the uploaded documents/forms and synchronously returns a result. INIT APIs are not involved in the synchronous eligibility checks. The documents will be purged/deleted from the system after the eligibility check is complete. Orders where the eligibility is checked with the verification service do not contain any additional eligibility checking steps.

Other SDM eligibility types are verified asynchronously and manually by the Agency CRM users by using a document that was uploaded by the cardholder. The website uploads the eligibility documents of the card holder via INIT APIs and creates an order via the Sales API. The documents will be uploaded using a new REST API endpoint in the Cardholder API (the api/Cardholder/Image cannot be used for this as this endpoint is dedicated for the headshot which is presented on personalized cards). After upload, the card order is set to state 9 (manual check) after which the CRM user will verify the documents. Once the decision is made, the CRM will make an API call to approve the case so that it can be fulfilled using the Order Fulfillment Tool or the CRM will make the adjustments to the cardholder (change the fare category).

The fare category eligibility type will be stored in MOBILEvario as a field to the transit account or cardholder information. The value can only be set on the customer website. Available EligibilityType(s) for a given FareCategory can be fetched from the FareCategory API (a new REST API endpoint created for this enhancement). EligibilityType does not have a functional meaning in MOBILEvario. It is a value that can be used by API clients to decide which eligibility check will be used. The EligibilityType definitions are managed by INIT. If new Eligibility types are needed in the future, this will require configuration effort from INIT.

Note: The proposal does not contain any changes to reporting due to the new field for transit accounts. The value EligibilityType will be available for future reports or report changes.

The Agency can configure the maximum validity time (i.e., expiration date) for non-personalized reduced fare media in the Website content management system (Umbraco). MOBILEvario does not validate the expiration time or date. Disabling the ability to accept the Website as a path for registration, renewal, etc. is a configuration option managed with the CMS (i.e., configuration parameter to enable converting existing fare media). The MOBILEvario APIs cannot be disabled to accept this.

The Marathon Website Development includes:

- 1. Create basic Reduced Fare Request page. Includes common elements like headshot, name, DOB, etc.
- 2. Create Reduced Fare Request form for youth and seniors. Includes Photo and ID upload.
- 3. Create Reduced Fare Request form for SSI or SSDI. Includes award letter date, BNC number, reference number, and image of award letter.
- 4. Create Reduced Fare Request form for DMV disabled. Includes DMV placard number and image of placard.
- 5. Create Reduced Fare Request form for MTS access. Includes Certification expiration date, and photo of Access certification.
- 6. Create Reduced Fare Request form for NCTD or Other California Transit Agency Disabled ID. Includes image of Medicare card.
- 7. Create Reduced Fare Request form for Medicare. Includes photo of transit ID.
- 8. Validate image using 3rd party service.
- 9. Create cardholder record.
- 10. Capture user selection of a new card OR to convert card: show available cards and capture the card user selects.

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- 11. Create shopping cart item for application fee.
- 12. Process application fee payment.
- 13. If selected fare type is Youth or Senior validate collected data with 3rd party service.
- 14. If age validation passes then set reduced fare type and expiration date.
- 15. Create a service request to create card and mail to user.
- 16. If selected fare type is Other (not youth or senior) then create service request for manual review.
- 17. Show success, failure or message that the user will receive notification in 2 weeks as required.
- 18. Provide the ability to configure standard and photo card expiration timeframe.

Renewing an SDM status uses the same flow as changing an existing Adult card to SDM. The two procedures will be presented as two separate procedures on the website. Marathon will:

- 1. Create basic Reduced Fare Renew page. Includes common elements like headshot, name, DOB, etc.
- (2-11. Steps the same as above.)
- 12. Process application (renewal) fee payment.
- 13. Show renewal specific success or failure messages as required.
- 14. Provide the ability to configure standard and photo card expiration timeframe.

#### **Institutional Website**

MTS has also asked for the possibility for institutions to purchase reduced fare category fare media. The CRM users need to define in the institution account configuration which fare categories are allowed. New attribute "AllowedFareCategories" will be added to InstitutionAccount. This attribute will contain a list which indicates which fare categories are allowed to be sold/managed by the institution. The value can be set in CRM (Salesforce). The solution is delivered with the described "AllowedFareCategories" attribute or another functionality that meets the intent of the requirement.

The proposed functionality enables the institutions to purchase the reduced fare media. It is however not possible to manage or change the fare media category with bulk processing. Fare category of existing cards cannot be changed.

The Marathon Website Development for the Institutional Website SOW includes:

- 1. Determine if Institution can process reduced fare requests
- 2. Create Reduced Fare Request page.
- 3. Create Reduced Fare Request form. The form fields change based on the type of Reduced Fare requested.
- 4. Create file upload for Reduced Fare form.
- 5. Create image upload for Reduced Fare form.
- 6. Create cardholder record.
- 7. Provide the ability to configure standard and photo card expiration timeframe.

#### TOUCHit3/DCU Screen Changes

INIT will provide a button on the TOUCHit3 (on the Transaction screen) to present the picture of a cardholder on request. The GUI will be customized to load and show pictures on demand. The picture is available over the MOBILEvario API (Cardholder API). TOUCHit3, which is directly connected to the vehicle router, connects to the MOBILEvario APIs without interaction with PROXmobil3. INIT assumes the vehicle router is configured in such a way that the TOUCHit3 can access the MOBILEvarioAPIs. This is the responsibility of MTS.

Fetching the cardholder image needs to be done with 2 REST calls. First, the FareMediaID needs to be converted to a transit account ID. The Transit Account ID can then be used to fetch the cardholder image binary. The image

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must be in PNG format with 320x320 pixel resolution. The image is presented unscaled on the TOUCHit3 display (height 480 pixels). The device cannot scale pictures to the right resolution, so the required format is the responsibility of the back office. The image is normally 100kB-200kB of size.

# **Inspection and Validation Apps**

The apps will be customized to allow the display of the cardholder picture using a Show Photo button.

#### **Customer Responsibilities:**

Fare Category expiration will be set by the CRM user. The expiration rules need to be managed outside the MOBILEvario system. This means that the Agency needs to clarify with the CRM users (employees) the rules and settings necessary to set the expiration for any given category or scenario. After the fare category expiration, the card will automatically switch to the Adult fare category.

**Capital Costs:** 

Item	Description	Qty	Price per unit USD	Price total USD
1	Backend Customization: Path 1 & Path 2			
	INIT Engineering Detailed Design and Clarification	1	16,640.00	16,640.00
	INIT MOBILEvario Development			
	<ul><li>- Eligibility Checks</li><li>- Sending Email Notification</li></ul>	1	64,064.00	64,064.00
	Schaling Email Notification		Subtotal:	\$ 80,704.00
2	Website and CRM Customization			 
	Marathon Web Design, Development, Testing, Installation, Documentation	1	92,520.00	92,520.00
	MTX Salesforce CRM Design, Development, Testing, Installation, Documentation	1	115,940.00	115,940.00
			Subtotal:	\$ 208,460.00
3	Institutional Website Customization  Marathon Web Design, Development, Testing, Installation, Documentation	1	21,550.00	21,550.00
	INIT MOBILEvario Development - AllowedFareCategories parameter for Institutions	1	43,680.00	43,680.00
			Subtotal:	\$ 65,230.00
4	<b>TOUCHit3 Customizations</b>			
	Show Picture on DCU	1	52,748.00	52,748.00
5	Inspection & Validation App			
	EBROS and INIT Development	1	53,040.00	53,040.00
6	Services			
	Project Management and System Engineering	1	36,912.00	36,912.00
	Documentation, Testing and Delivery	1	33,280.00	33,280.00
	GRAND TOTAL excl. Tax			\$ 530,374.00

## **INIT Innovations in Transportation, Inc.**

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**Ongoing Costs:** 

Item	Description	Qty	Price per unit USD	Price total USD
7	INIT Maintenance			000
	Backoffice Software Maintenance - Year 1	1	0.00	1,990.00
	Device Software Maintenance - Year 1	1	0.00	
	Website Maintenance - Year 1	1	1,990.00	
	Backoffice Software Maintenance - Year 2	1	10,989.89	25,271.97
	Device Software Maintenance - Year 2	1	5,120.48	
	Website Maintenance - Year 2	1	9,161.60	
	Backoffice Software Maintenance - Year 3	1	11,209.69	25,777.41
	Device Software Maintenance - Year 3	1	5,222.89	
	Website Maintenance - Year 3	1	9,344.83	
	Backoffice Software Maintenance - Year 4	1	11,433.88	26,292.96
	Device Software Maintenance - Year 4	1	5,327.35	
	Website Maintenance - Year 4	1	9,531.73	
	Backoffice Software Maintenance - Year 5	1	11,662.56	26,818.82
	Device Software Maintenance - Year 5	1	5,433.90	
	Website Maintenance - Year 5	1	9,722.36	
	Backoffice Software Maintenance - Year 6	1	11,895.81	27,355.19
	Device Software Maintenance - Year 6	1	5,542.57	
	Website Maintenance - Year 6	1	9,916.81	
	Backoffice Software Maintenance - Year 7	1	12,133.72	27,902.30
	Device Software Maintenance - Year 7	1	5,653.43	
	Website Maintenance - Year 7	1	10,115.15	
	Backoffice Software Maintenance - Year 8	1	12,376.40	28,460.34
	Device Software Maintenance - Year 8	1	5,766.49	
	Website Maintenance - Year 8	1	10,317.45	
	Backoffice Software Maintenance - Year 9	1	12,623.93	29,029.55
	Device Software Maintenance - Year 9	1	5,881.82	
	Website Maintenance - Year 9	1	10,523.80	
	Backoffice Software Maintenance - Year 10	1	12,876.41	29,610.14
	Device Software Maintenance - Year 10	1	5,999.46	
	Website Maintenance - Year 10	1	10,734.27	
	GRAND TOTAL excl. Tax			\$248,508.67

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Item	Description	Unit	Unit Cost	Estimated Annual Cost
8	3 <sup>rd</sup> Party Age Verification Service			
	Set-Up Fee	One-Time	\$3,000	N/A
	Transaction Fee (10,000 Annual)	Per Transaction	\$3.50	\$35,000
	Maintenance/Support	Annual	\$3,500	\$3,500
9	3 <sup>rd</sup> Party Image Filtering			
	(10,000 Transactions Annual)	Monthly	\$30	\$360

**Invoicing Milestones:** 

Milestone	Percentage	Total
Design	35%	\$185,630.90
Screen Mockups	20%	\$106,074.80
User Acceptance Test	35%	\$185,630.90
Final User Acceptance Test	10%	\$53,037.40
		\$530,374.00

	Annual		10 years	
Reduced Fare #8 Third Party Age				
Verification Recurring	\$	38,500.00	\$3	85,000.00
Reduced Fare #8 Third Party Age				
Verification One-time	\$	3,000.00	\$	3,000.00
Reduced Fare #9 Third Party Image				
Filtering	\$	360.00	\$	3,600.00
			\$391,600.00	

Annual Maintenance fees will be added to the extended maintenance contract and invoiced accordingly. 3<sup>rd</sup> Party Age Verification Services and Image Filtering will be billed directly as occurred.

The total not to exceed amount for this proposal is a fixed cost of \$778,882.67 plus estimated annual variable costs for 10 years in the amount of \$391,600 for a total NTE of \$1,170.482.67.

#### **INIT Contact:**

Name: Erica Brown

Position: Sr. Account Manager Phone: 757-413-9100 x323 Email: ebrown@initusa.com

Eric Linxweiler COO Roland Staib CEO

# **Attachment D**

# Driver Control Unit Screen Flow Changes

#### **INIT Innovations in Transportation, Inc.**

424 Network Station Chesapeake, VA, 23320 Phone: 757-413-9100 sales@initusa.com www.initusa.com



San Diego – DCU Screen Flow Changes

Customer:San Diego MTSPrepared by:Eddie EstradaProposal #:2020-646-03Date:12/18/2020Validity:90 Days

Warranty: 1 Year

**Delivery:** Estimated after receipt of change

order

Invoicing

**Milestones:** See Below

Existing Contract G2091.0-18 Terms & Conditions

apply

#### **Description:**

MTS has requested a proposal to change their DCU screen to allow drivers to specify the tally type for passengers that pay by cash. Currently they have no way of tracking tally counts for cash fares because there is no interface with the GFI fare boxes. It also allows MTS to reconcile against GFI reports.

#### **Solution:**

Since there will be no interface with the Genfare Farebox, INIT shall provide a tally specific function, for the counting of issued tickets per ticket type, and for reporting purposes. INIT will implement the below screen layout. Any changes to this screen layout will require a separate order.

4 tally buttons will be added to the "Last tap screen" as "quick buttons" for ticket entering (See Figure 1)

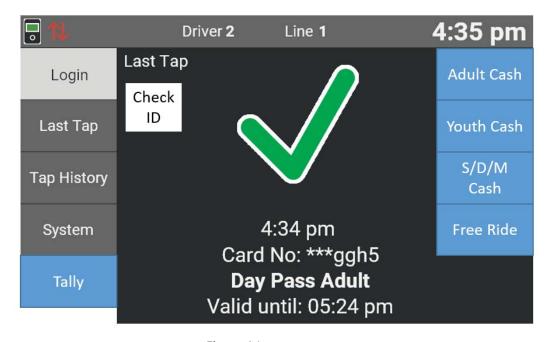


Figure 1 Last tap screen

A Tally screen will be available, that can be opened by a touch on the "Tally" button.

After a tap on the "Tally button", the "Tally screen" opens (see *Figure 2*). The first 4 tally buttons in this list would be the same as the 'quick buttons' from the 'Last Tap' screen. There can be 8 other buttons available for future use. The button text can be configured in the Tariff Management (TM).

If the text (configurable in TM) of the buttons is blank, then the button will not be shown.

Phone: 757-413-9100 sales@initusa.com www.initusa.com



If the tally button is pressed, a tap on the validator will not automatically make the DCU jump to the 'Last Tap' screen.

The tally screen will time out and go back to the 'Last Tap' screen if no button press happens for 30 seconds.

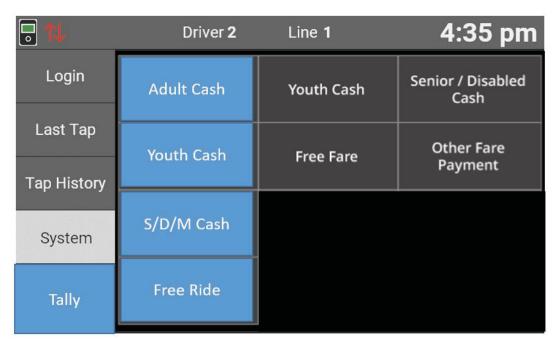


Figure 2 Tally screen

Tally data will have all info appended that normal transactions have (e.g. device number, stop number, route). Within the INIT system, the tally buttons will create transactions that do not have a dollar value attached. This will allow the agencies to query the quantity of tally button presses (e.g. 18 Adult Cash on vehicle x) but not the dollar amount for report purposes.

The number of all tally button presses will be shown in a report in the data warehouse. The report will not be linked with the fare transactions accounted by the Genfare Farebox.

#### **Please Note:**

- The "tally" function will only be maintained in the INIT system and not forwarded to the farebox or Genfare system.
- Within the INIT system, the tally buttons will create transactions that do **not have a dollar value attached.**
- The farebox requires the "fare set information" from the CAD/AVL system. Currently this information is not part of the interface between INIT and the CAD/AVL. INIT assumes that MTS and the CAD/AVL supplier will extend the interface by this information.
- The operator can enter his operator ID manually on the TOUCHit3. INIT will not do any verification of the ID. The usage of operator smartcards is not supported by the system.
- Monitoring of farebox status is not included in this offer
- The offered report only displays the tally button presses

424 Network Station Chesapeake, VA, 23320 Phone: 757-413-9100 sales@initusa.com www.initusa.com



# **Scope of Work:**

This proposal includes:

- Software
  - o Customization of GUI on various driver screens as shown on figures 1 & 2
  - New MOBILEvario report for tally button presses
- Services
  - o Project Management for additional work over the original scope
  - o System Engineering for additional work over the original scope
  - o Installation and configuration

#### **Benefits:**

The tally buttons will allow the driver the flexibility to log cash transactions. This in turn will allow the agencies the ability to query the quantity of cash fares by Tally Type.

### **Customer Responsibilities:**

MTS will be responsible for training drivers how to use the new Tally Buttons.

### **Pricing:**

Pricing				
Item	Description	Qty	Price per	Price total
			unit USD	USD
1	new MOBILEvario Report			
	Preparation / Clarification	1	2,496.00	2,496.00
	new MOBILEvario report for tally button presses	1	14,976.00	14,976.00
	installation test and delivery	1	4,992.00	4,992.00
			Subtotal:	\$ 22,464.00
2	customization of GUI on TOUCHit3			
	preparation / clarification	1	2,496.00	2,496.00
	customization of TOUCHit3 software	1	34,944.00	34,944.00
	installation test and delivery	1	2,496.00	2,496.00
			Subtotal:	\$ 39,936.00
3	Services			
	project management	1	1,520.00	1,520.00
	system engineering	1	3,040.00	3,040.00
			Subtotal:	\$ 4,560.00
	GRAND TOTAL excl. Tax			\$ 66,960.00

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### **Additional Maintenance Costs:**

The following Annual Maintenance fees will be added to the extended maintenance contract and invoiced accordingly.

Item	Description	Qty	Price per unit USD	Price total USD
4	INIT Maintenance			
	Device Software Maintenance - Year 1	1	2,620.80	2,620.80
	Central Software Maintenance - Year 1	1	1,123.20	1,123.20
	Device Software Maintenance - Year 2	1	2,673.22	2,673.22
	Central Software Maintenance - Year 2	1	1,145.66	1,145.66
	Device Software Maintenance - Year 3	1	2,726.68	2,726.68
	Central Software Maintenance - Year 3	1	1,168.58	1,168.58
	Device Software Maintenance - Year 4	1	2,781.21	2,781.21
	Central Software Maintenance - Year 4	1	1,191.95	1,191.95
	Device Software Maintenance - Year 5	1	2,836.84	2,836.84
	Central Software Maintenance - Year 5	1	1,215.79	1,215.79
	Device Software Maintenance - Year 6	1	2,893.57	2,893.57
	Central Software Maintenance - Year 6	1	1,240.10	1,240.10
	Device Software Maintenance - Year 7	1	2,951.45	2,951.45
	Central Software Maintenance - Year 7	1	1,264.91	1,264.91
	Device Software Maintenance - Year 8	1	3,010.48	3,010.48
	Central Software Maintenance - Year 8	1	1,290.20	1,290.20
	Device Software Maintenance - Year 9	1	3,070.68	3,070.68
	Central Software Maintenance - Year 9	1	1,316.01	1,316.01
	Device Software Maintenance - Year 10	1	3,132.10	3,132.10
	Central Software Maintenance - Year 10	1	1,342.33	1,342.33
	GRAND TOTAL excl. Tax			\$40,995.76

# **Invoicing Milestone:**

Milestone	Percentage	Total
Design	35%	\$23,436.00
Screen Mockups	20%	\$13,392.00
User Acceptance Test	35%	\$23,436.00
Final User Acceptance Test	10%	\$6,696.00
		\$66,960.00

# **INIT Innovations in Transportation, Inc.**

424 Network Station Chesapeake, VA, 23320 Phone: 757-413-9100 sales@initusa.com www.initusa.com



# **INIT Contact:**

Name: Eddie Estrada Position: Account Manager Phone: 757-413-9100 x464 Email: <u>eestrada@initusa.com</u>

# Signature:

Julie Allison

Account Management Director

Eric Linxweiler COO

# Attachment E SAGE Operator Separation

#### INIT Innovations in Transportation, Inc.

424 Network Station Chesapeake, VA, 23320 Phone: 757-413-9100 sales@initusa.com www.initusa.com



San Diego MTS - SAGE Operator Separation

**Customer:** SDMTS

Requested by: Israel Maldonado
Prepared by: Eddie Estrada
Proposal #: 2020-728-02
Date: February 4, 2021

**Validity:** 90 days

Warranty: 1 Year

**Delivery:** Estimated after receipt of change

order **Invoicing** 

**Milestones:** See below

Existing Contract G2091.0-18 Terms & Conditions

apply

#### **Request:**

MTS is requesting a change to the current export to Sage (financial software) so that MTS and NCTD can individually reconcile card payments from transactions at the Ticket Vending Machines (TVMs) and Ticket Office Terminals (TOTs).

# **Solution Description:**

INIT will configure the export of reconciled credit card payments to Sage, so that the payments are summarized and grouped by agency.

1. An exported batch in Sage will have multiple entries. One per Agency and Sales Channel Combination. Sales Channels that are shared over the region will still have only one entry. Each entry will then have one detail record, containing the actual General Ledger (GL) entries. The reconciled payment export will credit cash in transit accounts, and debit agency specific cash accounts.

The accounting configuration will be part of this proposal and **table 1** below is a possible implementation.

BATCH		Daily Reconciled Payments										
ENTRY	TVM NC	TD	TVM MT	S	Customer <b>Website</b>		TOT NCT	D	TOT MTS	5		
DETAILS	Credit	Debit	Credit	Debit	Credit	Debit	Credit	Debit	Credit	Debit		
GL	Cash in	Cash –	Cash in	Cash –	Cash in	Cash –	Cash in	Cash –	Cash in	Cash –		
Accounts	Transit	NCTD	Transit	MTS	Transit –	Region	Transit	NCTD	Transit	MTS		
	– TVM		– TVM		Customer		- TOT		- TOT			
	NCTD		MTS		Website		NCTD		MTS			
	Bank		Bank		Bank		Bank		Bank	Bank		
	Cards		Cards		Cards		Cards		Cards			

table 1

- 2. INIT will change the Accounting Configuration application to allow the configuration of GL accounts for the export of reconciled credit card payments per agency and sales channel.
- 3. INIT will configure Sage and the Accounting export according to the Agency defined GL accounts that would move reconciled payments to a cash account.
- 4. INIT will update the Reconciled Payments view in MOBILEvario Revenue Management to allow the Agency to group and filter by the agency identifier.
- 5. INIT will update the FDR version of the CDRL to reflect this change.
- 6. INIT will deploy the updated application to the SDMTS test and production system.



# **Scope of Work:**

This proposal includes:

- Software
  - o Customization of MOBILEvario as detailed above
- Services
  - o Project Management for additional work over the original scope
  - o System Engineering for additional work over the original scope

#### **Benefits:**

This change will allow MTS and NTCD to reconcile their own card present transactions. With TVMs and TOTs assigned to different operators, this new configuration would provide the region with the most efficient setup to ensure adequate reconciliation.

# **Customer Responsibilities:**

- Update chart of accounts

# **Pricing:**

Item	Description	Qty	Price per unit USD	Price total USD
1	MOBILEvario Customization			
	Preparation / Clarification	1	1,296.00	1,296.00
	Customization MOBILEvario software	1	15,552.00	15,552.00
	Tests and delivery	1	2,592.00	2,592.00
			Subtotal:	\$ 19,440.00
2	Project Services			
	Project Management and System Engineering	1	1,840.00	1,840.00
	GRAND TOTAL excl. Tax			\$ 21,280.00

# **Additional Maintenance Costs:**

The following Annual Maintenance fees will be added to the extended maintenance contract and invoiced accordingly.

Item	Description	Qty	Price per unit USD	Price total USD
3	INIT Maintenance			
	Backoffice Software Maintenance - Year 1	0		
	Backoffice Software Maintenance - Year 2	1	2,379.46	2,379.46
	Backoffice Software Maintenance - Year 3	1	2,427.05	2,427.05
	Backoffice Software Maintenance - Year 4	1	2,475.59	2,475.59
	Backoffice Software Maintenance - Year 5	1	2,525.10	2,525.10
	Backoffice Software Maintenance - Year 6	1	2,575.60	2,575.60
	Backoffice Software Maintenance - Year 7	1	2,627.11	2,627.11

2020-728-01-02 san diego mts sage operator separation\_

Page 2 of 3



GRAND TOTAL excl. Tax			\$23,210.72
Backoffice Software Maintenance - Year 10	1	2,787.91	2,787.91
Backoffice Software Maintenance - Year 9	1	2,733.25	2,733.25
Backoffice Software Maintenance - Year 8	1	2,679.65	2,679.65

**Payment Milestone:** 

Milestone	Percentage	Total
Delivery	50%	\$10,640.00
User Acceptance	50%	\$10,640.00
		\$21,280.00

#### **INIT** contact:

Name: Eddie Estrada Position: Account Manager Phone: 757-413-9100 x464 Email: eestrada@initusa.com

# Signature:

Julie Allison

Account Management Director

Eric Linxweiler

COO

# **Attachment F**

# Customer Relationship Module (CRM) Payment Integration with Enghouse

#### **INIT Innovations in Transportation, Inc.**

424 Network Station Chesapeake, VA, 23320 Phone: 757-413-9100 sales@initusa.com www.initusa.com



# San Diego MTS – CRM Payment Integration with Enghouse

**Customer:** MTS **Warranty:** 1 Year

Prepared by: Eddie Estrada Invoicing

Proposal #: 2020-718-01 Milestones: See Below Date: January 6, 2021

**Validity:** 90 days Existing Contract G2091.0-18 Terms & Conditions

apply

# **Description:**

San Diego MTS wants to connect the Salesforce CRM system with an Enghouse IVR system, so that customers can make a credit card payment using their telephone keypad. This is done to alleviate PCI concerns.

# **Scope of Work:**

INIT's subcontractor MTX will make the following changes to the existing Salesforce CRM instance:

- Add a function to hand-off the collection of credit card details to the agency provided telephony system wherever the current system allows entering the credit card information
- MTX will make a specific call that includes an identifier to the Enghouse system to initiate the collection of credit card data
- Enghouse will then perform a NMI/collect.js token request. The token needs to be in the same format than the token requested by the website and other INIT clients used in the system.
- Once the payment token is received, Enghouse will send the token, together with the identifier that was send by MTX, back to the Salesforce system
- MTX/Salesforce will then complete the request by providing the respective payment token to the INIT APIs

INIT will provide Project Management and System Engineering support for the implementation of this change.

#### **Benefits:**

By providing a CRM integration with MTS's Enghouse IVR system, MTS customers will have the benefit of making over-the-phone payments.

# **Customer Responsibilities:**

The Enghouse system will be procured directly by MTS.

# **Assumptions:**

If required, Address Verification Service (AVS) will be performed by the Enghouse system. MTX will not be able to send the necessary data (e.g. invoice address) to Enghouse if the information is not in the Salesforce system.

# **INIT Innovations in Transportation, Inc.**

424 Network Station Chesapeake, VA, 23320 Phone: 757-413-9100 sales@initusa.com www.initusa.com



# **Price:**

ltem	Description	Qty	Price per unit USD	Price total USD
1	CRM Customizations	1	32,419.20	32,419.20
2	Project Management & Systems Engineering	1	8,080.00	8,080.00
	GRAND TOTAL excl. Tax			40,499.20

# **Invoicing Milestone:**

Milestone	Percentage	Total
Design	45%	\$18,224.64
User Acceptance Test	45%	\$18,224.64
Final User Acceptance Test	10%	\$4,049.92
Total		\$40,499.20

# **INIT** contact:

Name: Eddie Estrada

Position: Account Manager Phone: 757-413-9100 x464 Email: eestrada@initusa.com

# Signature:

Julie Allison

**Account Management Director** 

Eric Linxweiler

COO

# **Attachment G**

# **Fare Media Credit**

#### INIT Innovations in Transportation, Inc.

424 Network Station Chesapeake, Virginia 23320 Phone (757) 413-9100 Fax (757) 413-5019

February 8, 2021

Mr. Israel Maldonado
Fare Systems Administrator
San Diego Metropolitan Transit System
1255 Imperial Avenue, Suite 1000
San Diego, California 92101-7490

http://www.initusa.com postmaster@initusa.com

Via e-mail: Israel.Maldonado@sdmts.com

Re: Fare Media Order Changes

Dear Mr. Maldonado,

As per San Diego Metropolitan Transit System's (SDMTS's) request, INIT is ordering fare media quantities as indicated in the attached spreadsheet. INIT agrees to apply the fare media change order credit indicated in the attachment towards future change orders. We request that the credit be fully applied to change orders prior to the end of the pilot phase (to avoid having an unused credit towards the end of the project). Any additional orders of fare media, other than the ones indicated in the Attachment, will be subject to delivery timelines at the time of order.

Sincerely, Acknowledged and agreed to by

Shahir Popatia

Project Manager / Systems Engineer

Date: February 8, 2021

1. PA

cc Roland Staib – President & CEO

Linda Keith – CFO

Julie Allison – Director, Account Management Erica Brown – Senior Account Manager Eddie Estrada – Account Manager cc Sharon Cooney – CEO

Fare System Administrator

Israel Maldonado

Date:

Rob Schupp – Director of Marketing

Attachment

ATTACHMENT

Mr. Israel Maldonado Fare Media Order Changes February 8, 2021, Page 2

			EU Card N	Лedia					Limite	d Use						Ticl	ket Rolls	
	Assumptions/Questions	Pronto with Retail Barcode, Scratch Off PIN and Sticker (All Other Sales Channels)	Pronto without Scratch Off PIN and sticker (TVMs)	Personalized Pronto without PIN and Sticker	EU - Employee Card (no PIN, no Sticker)	Pronto LU	Juror Regional LU	Juror Regional S/D/M LU	Class Pass LU	Juror Regional Comp LU	Juror Premium LU	Juror Premium S/D/M	Juror Premium Comp	Blue	Green	Orange	NCTD	Additional Receip Paper (213 rolls to bi provided by Init through proposal's conumables budget)
Quantity		300,000	750,000	100,000	) (	650,000	25,000	5,000	5,000	40,000	10,000	5,000	12,000	1	90 14	40	50	89 10
Total Media Type Quantity			1,150,0	000					752	000							576	
Ticket Equivalent																5,7	60,000	
Unit Price (Based on Total Quantity by Media Type)		\$1.02	\$0.96	\$0.96	\$0.96				\$0.	29						ç	50.06	
Total Cost		\$306,000	\$720,000	\$96,000	\$0				\$218	,080						\$3	45,600	
Plate Fee (New Design)	Assumes plate fee doesn't apply for first design nor variations in card back with respect to artwork code used in the lower right or the scratch off over the PIN.			\$ 325			\$325	\$325	\$325	\$325	\$325	\$325	\$325					
Storage	MTS will store the EU media on site so storage costs have been removed.																	
Total Cost by Media Type			\$1,122,	325					\$220							\$3	45,600	
TOTAL COST										88,280								
MEDIA COST IN CONTRACT										26,000								
Credit Contract Value									\$837,	720.00								

Sub-Total \$837,720.00 Tax \$64,923.30 Total \$902,643.30



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

March 11, 2021

Draft for Executive Committee

SUBJECT: Review Date: 03/04/2021

BUILDING C SECURITY RESTROOM & LOCKER ROOM REHABILITATION –WORK ORDER AGREEMENT

# AGENDA ITEM & ATTACHMENT WILL BE PROVIDED WITH BOARD MATERIALS











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

March 11, 2021

Draft for Executive Committee

SUBJECT:

**Review Date: 03/04/2021** 

ENGINE TRANSMISSION OVERHAUL & CUMMINS PARTS - CONTRACT AWARD

#### **RECOMMENDATION:**

That the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute MTS Doc. Nos. B0719.0-21 to Harbor Diesel and Equipment (Group I), B0727.0-21 to Cummins, Inc. (Group II), and B0728.0-21 to Cummins, Inc., B0729.0-21 to Aftermarket Parts, and B0730.0-21 to Muncie Transit Supply (Group III) (in substantially the same formats at Attachments B through F) for Engine Transmission Overhaul and Cummins Parts for five (5) years for a total amount of \$12,458,722.24.

# **Budget Impact**

The total budget for this project shall not exceed \$12,458,722.24. This project is funded by the San Diego Transit Corporation (SDTC) Maintenance Department Operations Budget 311014-537100. The cost of each group is broken down as follows:

	Total Cost:	\$12,458,722.24
Group III	Years 1-5 Not-to-Exceed-Total	\$4,863,606.79
Group II	Years 1-5 Not-to-Exceed-Total	\$4,928,360.06
Group I	Years 1-5 Not-to-Exceed Total	\$2,666,755.39

# **DISCUSSION:**

MTS Bus Operations requires contractors to provide engine overhaul and transmission rebuilds for the internally operated and contracted bus services. These engines and transmissions are required to properly operate MTS buses in regular transit service on a day to day basis. The ability to quickly and efficiently have the engines and transmissions overhauled is an essential service to keep buses on the road. MTS also requires a full two-year warranty on the overhauled engines and transmissions which benefits MTS. The current contract ends April 30, 2021.









The various replacement bus parts under this procurement are a critical element of that program. These replacement parts will allow the maintenance staff the ability to adequately maintain MTS's buses and continue to provide safe and reliable public transit service.

An Invitation for Bids (IFB) to provide engine and transmission overhauls, as well as Cummins parts for buses was issued on October 16, 2020.

In order to maximize competition, and give small businesses an opportunity to bid on the IFB, MTS divided the IFB into three (3) groups. Group I and II bidders had the option of bidding on one or any combination of the two groups. Group III bidders were allowed to bid on any line items for all years. The contract term date is June 1, 2021 to April 30, 2026.

The groups are as follows:

- 1. Group I: Rebuilt ZF Ecomat & Ecolife Transmissions
- 2. Group II: Cummins In-Frame Engine Overhauls
- 3. Group III: Cummins Parts (This was awarded based on the lowest extended cost for each line item for all five years)

On December 10, 2020, four (4) bids were received from:

- 1. Cummins Inc. (Group II & III)
- 2. Aftermarket Parts (Group III)
- 3. Harbor Diesel & Equipment (Group I)
- 4. Muncie Reclamation and Supply, dba Muncie Transit Supply

After the evaluation of all bids, the lowest responsive, responsible bidder for each group is as follows: Harbor Diesel for Group I, Cummins, Inc. for Group II, and Cummins, Inc., Aftermarket Parts, and Muncie Transit for Group III.

Based on the comparisons between MTS's Independent Cost Estimate (ICE) and the lowest bidder's amounts, MTS's cost savings are shown below:

GROUP	BIDDER NAME	BID AMOUNT	INDEPENDENT COST ESTIMATE	MTS SAVINGS
Group I	Harbor Diesel	\$2,666,755.39	\$2,874,928.94	\$208,173.55
Group II	Cummins Inc	\$4,951,229.48	\$5,286,639.60	\$335,410.12
Group III	Cummins Inc	\$4,338,569.57	\$4,037,628.45	-\$300,941.12
Group III	Aftermarket Parts	\$361,680.01	\$481,829.43	\$120,149.42
Group III	Muncie Transit	\$163,357.21	\$150,189.15	-\$13,168.06
	Totals	\$12,481,591.66	\$12,831,215.57	\$349,623.91

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. Nos. B0719.0-21 to Harbor Diesel and Equipment (Group I), B0727.0-21 to Cummins, Inc. (Group II), and B0728.0-21 to Cummins, Inc., B0729.0-21 to Aftermarket Parts, and B0730.0-21 to Muncie Transit Supply (Group III) for Engine Transmission Overhaul and Cummins Parts for five (5) years for a total amount of \$12,458,722.24.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

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

Attachments: A. Bid Summary (Group I-III)

B. Draft Agreement No. B0719.0-21
C. Draft Agreement No. B0727.0-21
D. Draft Agreement No. B0728.0-21
E. Draft Agreement No. B0729.0-21
F. Draft Agreement No. B0730.0-21

# **EXHIBIT A**

# GROUP I REBUILT ZF ECOMAT & ECOLIFE TRANSMISSIONS

Year 1: January	, 1, 2021 - December 31, 2	021			HARBOI	R DI	R DIESEL		
				N	ЮТ ТО	E	(T. NOT TO		
ITEM #	ОН Туре	DESCRIPTION	QTY	EXC	EED PRICE	EX	CEED PRICE		
1	Soft Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	12	\$	9,980.00	\$	119,760.00		
2	Hard Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	3	\$	19,900.00	\$	59,700.00		
3	Soft Rebuild	Ecomat 6HP594 TRANSMISSIONS	31	\$	11,125.00	\$	344,875.00		
4	Hard Rebuild	Ecomat 6HP594 TRANSMISSIONS	6	\$	19,360.00	\$	116,160.00		
					Subtotal:	\$	640,495.00		
			CA	Sales 1	Tax of 7.75%	\$	49,638.36		
	Shipping and Handling (if applicable) \$								
		ZF Transmission Rebuild	l Total Amou	ınt foı	Year One	\$	690,133.36		

Year 2: January 1, 2022 - December 31, 2022

				NOT TO	EXT. NOT TO		
ITEM #	OH Type	DESCRIPTION	QTY	EXCEED PRICE	EXCEED PRICE		
1	Soft Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	25	\$ 10,080.00	\$ 252,000.00		
2	Hard Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	5	\$ 19,900.00	\$ 99,500.00		
3	Soft Rebuild	Ecomat 6HP594 TRANSMISSIONS	17	\$ 11,236.00	\$ 191,012.00		
4	Hard Rebuild	Ecomat 6HP594 TRANSMISSIONS	4	\$ 19,560.00	\$ 78,240.00		
				Subtotal:	\$ 620,752.00		
			CA	Sales Tax of 7.75%	\$ 48,108.28		
	Shipping and Handling (if applicable)						
		ZF Transmission Rebuild	Total Amou	nt for Year Two	\$ 668,860.28		

Year 3: January 1, 2023 - December 31, 2023

				1	NOT TO	E	T. NOT TO					
ITEM #	OH Type	DESCRIPTION	QTY	EXC	CEED PRICE	EX	CEED PRICE					
1	Soft Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	35	\$	10,688.00	\$	374,080.00					
2	Hard Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	8	\$	19,980.00	\$	159,840.00					
3	Soft Rebuild	Ecomat 6HP594 TRANSMISSIONS	2	\$	11,350.00	\$	22,700.00					
4	Hard Rebuild	Ecomat 6HP594 TRANSMISSIONS	1	\$	19,980.00	\$	19,980.00					
					Subtotal:	\$	576,600.00					
			CA	Sales	Tax of 7.75%	\$	44,686.50					
	Shipping and Handling (if applicable) \$											
	ZF Transmission Rebuild Total Amount for Year Three \$											

Year 4: January 1, 2024 - December 31, 2024

					NOT TO	E>	(T. NOT TO
ITEM #	OH Type	DESCRIPTION	QTY	EXC	CEED PRICE	EX	CEED PRICE
1	Soft Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	10	\$	\$	109,000.00	
2	Hard Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	3	\$	20,600.00	\$	61,800.00
3	Soft Rebuild	Ecomat 6HP594 TRANSMISSIONS	0	\$	11,680.00	\$	1
4	Hard Rebuild	Ecomat 6HP594 TRANSMISSIONS	1	\$	21,080.00	\$	21,080.00
					Subtotal:	\$	191,880.00
			CA	Sales	Tax of 7.75%	\$	14,870.70
		Shi	pping and Hand	dling	(if applicable)	\$	-
		ZF Transmission Rebuild	Total Amou	nt fo	r Year Four	\$	206,750.70

Year 5: January 1, 2025 - December 31, 2025

				1	ОТ ТО	EX	T. NOT TO					
ITEM #	OH Type	DESCRIPTION	QTY	EXC	EED PRICE	EX	CEED PRICE					
1	Soft Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	28	\$	11,280.00	\$	315,840.00					
2	Hard Rebuild	ZF Ecolife Model 6AP1400B, 6AP1700B TRANSMISSIONS	5	\$	21,280.00	\$	106,400.00					
3	Soft Rebuild	Ecomat 6HP594 TRANSMISSIONS	0	\$	\$ 11,980.00		-					
4	Hard Rebuild	Ecomat 6HP594 TRANSMISSIONS	1	\$	22,980.00	\$	22,980.00					
					Subtotal:	\$	445,220.00					
			CA	Sales	Tax of 7.75%	\$	34,504.55					
	Shipping and Handling (if applicable) \$											
	ZF Transmission Rebuild Total Amount for Year Five \$											

GROUP I - ZF TRANSMISSION REBUILD	S	
Total Year 1: January 1, 2021 - December 31, 2021	\$	690,133.36
Total Year 2: January 1, 2022 - December 31, 2022	\$	668,860.28
Total Year 3: January 1, 2023 - December 31, 2023	\$	621,286.50
Total Year 4: January 1, 2024 - December 31, 2024	\$	206,750.70
Total Year 5: January 1, 2025 - December 31, 2025	\$	479,724.55
GRAND TOTALS - BASIS OF AWARD	\$	2,666,755.39

# **EXHIBIT B**

# Group II CUMMINS IN-FRAME ENGINE OVERHAULS

Year 1: Janua	Year 1: January 1, 2021 - December 31, 2021  CTV LINIT DDICE								
ITEM #	ОН Туре	DESCRIPTION	QTY	UNIT PRICE		EXT. PRICE			
1	Basic Overhaul	Cummins ISL G 8.9L CNGs	34	\$ 17,333.13	\$	589,326.42			
2	Overhaul A	Cummins ISL G 8.9L CNG In-Frame + Crankshaft	2	\$ 21,886.81	\$	43,773.62			
3	Overhaul B	Cummins ISL G 8.9L CNG In-Frame + Camshaft	2	\$ 18,248.92	\$	36,497.84			
4	Overhaul C	Overhaul C Cummins ISL G 8.9L CNG In-Frame Light		\$ 9,806.52	\$	294,195.60			
5	Basic Overhaul	Cummins ISL G 8.9L NZ	2	\$ 20,292.09	\$	40,584.18			
6	Overhaul A	Cummins ISL G 8.9L NZ In-Frame + Crankshaft	0		\$	-			
7	Overhaul B	Cummins ISL G 8.9L NZ In-Frame + Camshaft	0		\$	-			
8	Overhaul C	Cummins ISL G 8.9L NZ In-Frame Light	0		\$	-			
9	Basic Overhaul	Cummins L9N	0		\$	-			
10	Overhaul A	Cummins L9N In-Frame + Crankshaft	0		\$	-			
11	Overhaul B	Cummins L9N In-Frame + Camshaft	0		\$	-			
12	Overhaul C	Cummins L9N In-Frame Light	0		\$	-			
13	Basic Overhaul	Cummins ISX 12N	0		\$	-			
14	Overhaul A	Cummins ISX 12N In-Frame + Crankshaft	0		\$	-			
15	Overhaul B	Cummins ISX 12N In-Frame + Camshaft	0		\$	-			
16	Overhaul C	Cummins ISX 12N In-Frame Light	0		\$	-			
				Subtotal:	\$	1,004,377.66			
	El Cajon Sales Tax of 8.25%								
	Shipping and Handling (if applicable)								
		Cummins Engine OH 1	otal Amount	t for Year One	\$	1,087,238.82			

Year 2: January 1, 2022 - December 31, 2022

ITEM #	ОН Туре	DESCRIPTION	QTY	UNIT PRICE	EXT. PRICE				
1	Basic Overhaul	Cummins ISL G 8.9L CNGs	30	\$ 17,688.12	\$ 530,643.7				
2	Overhaul A	Cummins ISL G 8.9L CNG In-Frame + Crankshaft	2	\$ 22,299.21	\$ 44,598.4				
3	Overhaul B	Cummins ISL G 8.9L CNG In-Frame + Camshaft	2	\$ 18,631.39	\$ 37,262.7				
4	Overhaul C	Cummins ISL G 8.9L CNG In-Frame Light	24	\$ 9,968.72	\$ 239,249.1				
5	Basic Overhaul	Cummins ISL G 8.9L NZ	3	\$ 20,735.85	\$ 62,207.5				
6	Overhaul A	Cummins ISL G 8.9L NZ In-Frame + Crankshaft	0		\$ -				
7	Overhaul B	Cummins ISL G 8.9L NZ In-Frame + Camshaft	0		\$ -				
8	Overhaul C	Cummins ISL G 8.9L NZ In-Frame Light	1	\$ 12,977.61	\$ 12,977.6				
9	Basic Overhaul	Cummins L9N	0		\$ -				
10	Overhaul A	Cummins L9N In-Frame + Crankshaft	0		\$ -				
11	Overhaul B	Cummins L9N In-Frame + Camshaft	0		\$ -				
12	Overhaul C	Cummins L9N In-Frame Light	0		\$ -				
13	Basic Overhaul	Cummins ISX 12N	0		\$ -				
14	Overhaul A	Cummins ISX 12N In-Frame + Crankshaft	0		\$ -				
15	Overhaul B	Cummins ISX 12N In-Frame + Camshaft	0		\$ -				
16	Overhaul C	Cummins ISX 12N In-Frame Light	0		\$ -				
				Subtotal:	\$ 926,939.2				
	El Cajon Sales Tax of 8.25% \$								
	Shipping and Handling (if applicable) \$								
		Cummins Engine OH T	otal Amount	for Year Two	\$ 1,003,411.70				

Year 3: January 1, 2023 - December 31, 2023

ITEM #	ОН Туре	DESCRIPTION	QTY	UNIT PRICE		EXT. PRICE				
1	Basic Overhaul	Cummins ISL G 8.9L CNGs	16	\$ 18,053.77	\$	288,860.28				
2	Overhaul A	Cummins ISL G 8.9L CNG In-Frame + Crankshaft	1	\$ 22,723.99	\$	22,723.99				
3	Overhaul B	Cummins ISL G 8.9L CNG In-Frame + Camshaft	1	\$ 19,025.33	\$	19,025.33				
4	Overhaul C	Cummins ISL G 8.9L CNG In-Frame Light	30	\$ 10,135.78	\$	304,073.31				
5	Basic Overhaul	Cummins ISL G 8.9L NZ	5	\$ 21,192.93	\$	105,964.64				
6	Overhaul A	Cummins ISL G 8.9L NZ In-Frame + Crankshaft	0		\$	-				
7	Overhaul B	Cummins ISL G 8.9L NZ In-Frame + Camshaft	0		\$	-				
8	Overhaul C	Cummins ISL G 8.9L NZ In-Frame Light	1	\$ 13,234.94	\$	13,234.94				
9	Basic Overhaul	Cummins L9N	0		\$	-				
10	Overhaul A	Cummins L9N In-Frame + Crankshaft	0		\$	-				
11	Overhaul B	Cummins L9N In-Frame + Camshaft	0		\$	-				
12	Overhaul C	Cummins L9N In-Frame Light	0		\$	-				
13	Basic Overhaul	Cummins ISX 12N	0		\$	-				
14	Overhaul A	Cummins ISX 12N In-Frame + Crankshaft	0		\$	-				
15	Overhaul B	Cummins ISX 12N In-Frame + Camshaft	0		\$	-				
16	Overhaul C	Cummins ISX 12N In-Frame Light	0		\$	-				
				Subtotal:	\$	753,882.50				
	El Cajon Sales Tax of 8.25% \$									
	Shipping and Handling (if applicable)									
		Cummins Engine OH To	tal Amount f	or Year Three	\$	816,077.80				

# Option Year 1: January 1, 2024 - December 31, 2024

ITEM #	ОН Туре	DESCRIPTION	QTY	UNIT PRICE		EXT. PRICE				
1	Basic Overhaul	Cummins ISL G 8.9L CNGs	8	\$ 18,430.38	\$	147,443.05				
2	Overhaul A	Cummins ISL G 8.9L CNG In-Frame + Crankshaft	1	\$ 23,161.51	\$	23,161.51				
3	Overhaul B	Cummins ISL G 8.9L CNG In-Frame + Camshaft	1	\$ 19,431.09	\$	19,431.09				
4	Overhaul C	Cummins ISL G 8.9L CNG In-Frame Light	36	\$ 10,307.85	\$	371,082.61				
5	Basic Overhaul	Cummins ISL G 8.9L NZ	10	\$ 21,663.72	\$	216,637.16				
6	Overhaul A	Cummins ISL G 8.9L NZ In-Frame + Crankshaft	0		\$	-				
7	Overhaul B	Cummins ISL G 8.9L NZ In-Frame + Camshaft	0		\$	-				
8	Overhaul C	Cummins ISL G 8.9L NZ In-Frame Light	1	\$ 13,499.99	\$	13,499.99				
9	Basic Overhaul	Cummins L9N	0		\$	-				
10	Overhaul A	Cummins L9N In-Frame + Crankshaft	0		\$	-				
11	Overhaul B	Cummins L9N In-Frame + Camshaft	0		\$	-				
12	Overhaul C	Cummins L9N In-Frame Light	0		\$	-				
13	Basic Overhaul	Cummins ISX 12N	0		\$	-				
14	Overhaul A	Cummins ISX 12N In-Frame + Crankshaft	0		\$	-				
15	Overhaul B	Cummins ISX 12N In-Frame + Camshaft	0		\$	-				
16	Overhaul C	Cummins ISX 12N In-Frame Light	0		\$	-				
				Subtotal:	\$	791,255.41				
	El Cajon Sales Tax of 8.25% \$									
	Shipping and Handling (if applicable)									
		Cummins Engine OH T	otal Amount	for Year Four	\$	856,533.98				

Year 5: January 1, 2025 - December 31, 2025

ITEM #	OH Type	DESCRIPTION	QTY	UNIT PRICE		EXT. PRICE			
1	Basic Overhaul	Cummins ISL G 8.9L CNGs	12	\$ 18,818.29	\$	225,819.50			
2	Overhaul A	Cummins ISL G 8.9L CNG In-Frame + Crankshaft	1	\$ 23,612.16	\$	23,612.16			
3	Overhaul B	Cummins ISL G 8.9L CNG In-Frame + Camshaft	1	\$ 19,849.02	\$	19,849.02			
4	Overhaul C	Cummins ISL G 8.9L CNG In-Frame Light	45	\$ 10,485.09	\$	471,828.87			
5	Basic Overhaul	C Overhaul Cummins ISL G 8.9L NZ		\$ 22,148.63	\$	310,080.79			
6	Overhaul A	Cummins ISL G 8.9L NZ In-Frame + Crankshaft	0		\$	-			
7	Overhaul B	Cummins ISL G 8.9L NZ In-Frame + Camshaft	0		\$	-			
8	Overhaul C	Cummins ISL G 8.9L NZ In-Frame Light	2	\$ 13,772.99	\$	27,545.98			
9	Basic Overhaul	Cummins L9N	1	\$ 18,692.90	\$	18,692.90			
10	Overhaul A	Cummins L9N In-Frame + Crankshaft	0		\$	-			
11	Overhaul B	Cummins L9N In-Frame + Camshaft	0		\$	-			
12	Overhaul C	Cummins L9N In-Frame Light	0		\$	-			
13	Basic Overhaul	Cummins ISX 12N	0		\$	-			
14	Overhaul A	Cummins ISX 12N In-Frame + Crankshaft	0		\$	-			
15	Overhaul B	Cummins ISX 12N In-Frame + Camshaft	0		\$	-			
16	Overhaul C	Cummins ISX 12N In-Frame Light	0		\$	-			
				Subtotal:	\$	1,097,429.21			
	El Cajon Sales Tax of 8.25% \$								
	Shipping and Handling (if applicable)								
		Cummins Engine OH T	otal Amount	t for Year Five	\$	1,187,967.12			

GROU	JP II - CUMMINS ENGINE REBUI	LDS	
Total Year 1: January 1, 2021 - December 31, 2021		\$	1,087,238.82
Total Year 2: January 1, 2022 - December 31, 2022		\$	1,003,411.76
Total Year 3: January 1, 2023 - December 31, 2023		\$	816,077.80
Total Year 4: January 1, 2024 - December 31, 2024		\$	856,533.98
Total Year 5: January 1, 2025 - December 31, 2025		\$	1,187,967.12
	<b>GRAND TOTALS - BASIS OF AWARD</b>	\$	4,951,229.48

# **EXHIBIT C**

# **BID SUMMARY - TOTALS**

	l	AFTERMARKET PARTS (1	<b>TRANSIT</b>	HOLDIN	GS)			YR1		YR2		YR3		YR4		YR5		
Bid item #	Material #		UOM	Est. Annual Usage	Leadtime/ Ramp-Up (days)	Vendor # / Mfr #	ı	Ext. Price		TOTAL								
2	70199882	Gasket EXH Gas RCN EGR	EA	69	30	7700230	\$	569.25	\$	586.33	\$	603.92	\$	622.03	\$	640.70	\$	3,022.23
			EA	85	30	6438664	\$	1,058.25	\$	1,111.16	\$	1,166.72	\$	1,225.06	\$	1,286.31	\$	5,847.50
12		EGR Crossover Pipe Gasket		00	- 00	0+3000+	Ψ	1,000.20	Ψ	1,111.10	Ψ	1,100.72	Ψ	1,220.00	Ψ	1,200.01	Ψ	5,047.50
14			EA	307	30	7700204	\$	383.75	\$	395.26	\$	407.12	\$	419.33	\$	431.91	\$	2,037.38
		OIL PAN GASKET, METAL,																·
15	70167924	CUMMINS 8.9L	EA	55	30	7700272	\$	3,520.00	\$	3,625.60	\$	3,734.37	\$	3,846.40	\$	3,961.79	\$	18,688.16
		IDLER PULLEY, SMOOTH,												•				·
19	70198588	CUMMINS 8.9L	EA	43	25	6370344	\$	1,018.67	\$	1,059.42	\$	1,101.79	\$	1,145.87	\$	1,191.70	\$	5,517.45
20	70199825	Device after Treatment	EA	2	55	6485456	\$	7,447.44	\$	7,819.82	\$	8,210.80	\$	8,621.34	\$	9,052.40	\$	41,151.80
		AIR SYSTEM TUBE,						•										·
26	70007328	,	FT	7	30	9210027	\$	6.51	\$	6.72	\$	6.93	\$	7.14	\$	7.35	\$	34.65
		TURBO HOSE CLAMP,4",																
28	70021261		EA	29	55	6345338	\$	102.37	\$	105.44	\$	108.60	\$	111.86	\$	115.22	\$	543.50
		FUEL HOSE, LOW																
35	70049452	PRESSURE, 1/4" - MULTI	FT	51		267696	\$	57.57	\$	59.30	\$	61.08	\$	62.91	\$	64.80	\$	305.65
		Valve Cover Gasket 8.3/8.9L -																
40	70061929		EA	375	30	7700356	\$	3,318.75	\$	3,418.31	\$	3,520.86	\$	3,626.49	\$	3,735.28	\$	17,619.69
41	70061937	Valve Cover O-Rings 8.3/8.9L - CUMMINS	EA	2,354	30	7700391	\$	353.10	\$	363.69	\$	374.60	\$	385.84	\$	397.42	\$	1,874.66
		4" CT CLAMP, TURBO, CAC		_,-,			_		Ť		Ť		_		_		*	1,011100
44			EA	51	15	77-TBD	\$	288.15	\$	299.68	\$	311.66	\$	324.13	\$	337.09	\$	1,560.71
		BOLT, FLANGE HEAD																
46	70063768	M8X1.25X30	EA	31	60	77-TBD	\$	49.29	\$	50.77	\$	52.29	\$	53.86	\$	55.48	\$	261.69
		PULLEY,IDLER,CUMMINS																
60	70145623		EA	50	30	7700183	\$	984.50	\$	1,014.04	\$	1,044.46	\$	1,075.79	\$	1,108.06	\$	5,226.84
		NUT TURBO MOUNTING																
62	70145664	FLANGE, CUMMINS-ALL	EA	313	20	77-TBD	\$	610.35	\$	628.66	\$	647.52	\$	666.95	\$	686.95	\$	3,240.43
64	70147421	GASKET OIL PAN	EA	218	30	7700207	\$	4,876.66	\$	5,022.96	\$	5,173.65	\$	5,328.86	\$	5,488.72	\$	25,890.85
		SEAL O-RING,IMPCO																
65			EA	1	20	6422199	\$	3.25	\$	3.35	\$	3.45	\$	3.55	\$	3.66	\$	17.25
		OIL THERMOSTAT,																
67	70148833	CUMMINS 8.3L	EA	11	20	77-TBD	\$	329.89	\$	339.79	\$	349.98	\$	360.48	\$	371.29	\$	1,751.43
		HEAD BOLT, LONG,																
68	70149807	CUMMINS, 8.9L	EA	786	20	77-TBD	\$	3,922.14	\$	4,039.80	\$	4,161.00	\$	4,285.83	\$	4,414.40	\$	20,823.17
		HEAD BOLT, SHORT,																
69	70149815	CUMMINS, 8.9L	EA	672	15	77-TBD	\$	2,681.28	\$	2,761.72	\$	2,844.57	\$	2,929.91	\$	3,017.80	\$	14,235.28

**GRAND TOTAL** 

(AFTERMARKET PARTS

		GASKET OIL SUCTION									_		
76		CONNECTION	EA	122	30	7700333	\$ 157.38	\$ 162.10	\$ 166.96	\$ 171.97	\$	177.13	\$ 835.55
		SEAL-BELL HOUSING TO											
80		RETAINER, CUMMINS	EA	10	30	7700409	\$ 11.50	\$ 11.85	\$ 12.20	\$ 12.57	\$	12.94	\$ 61.06
		GASKET OIL COOLER											
81		CORE(INNER) 8.9L-ALL	EA	89	60	7700228	\$ 355.11	\$ 365.76	\$ 376.74	\$ 388.04	\$	399.68	\$ 1,885.33
		GASKET OIL COOLER											
82		COVER(OUTER) 8.9L ALL	EA	82	60	7700229	\$ 453.46	\$ 467.06	\$ 481.08	\$ 495.51	\$	510.37	\$ 2,407.48
		FRONT CRANK SEAL											
89		SAVER KIT, 8.3L, 8.9L	EA	134	30	7700338	\$ 8,594.76	\$ 8,852.60	\$ 9,118.18	\$ 9,391.73	\$	9,673.48	\$ 45,630.75
		Sensor Oxygen O2 8.9L -											
92		CUMMINS	EA	84	30	8800007	\$ 16,692.48	\$ 17,193.25	\$ 17,709.05	\$ 18,240.32	\$	18,787.53	\$ 88,622.64
		MOTOR MOUNT FRONT,											
94		CUMMINS 8.9L	EA	104	95	109982	\$ 4,401.28	\$ 4,621.34	\$ 4,852.41	\$ 5,095.03	\$	5,349.78	\$ 24,319.85
		TRANS DIPSTICK TUBE, NF-											
101	70166835		EA	1	40	329738	\$ 135.99	\$ 140.07	\$ 144.27	\$ 148.60	\$	153.06	\$ 721.99
		AIR COMPRESSOR											
		MOUNTING GASKET, ALL											
112	70183459		EA	12	30	7700203	\$ 89.40	\$ 92.08	\$ 94.84	\$ 97.69	\$	100.62	\$ 474.64
		EGR Cooler Banjo Washer											
114		Small, 8.9L	EA	391	30	7700477	\$ 617.78	\$ 642.49	\$ 668.19	\$ 694.92	\$	722.72	\$ 3,346.10
		TURBO O-RING, #3,											
116		CUMMINS 8.9L	EA	24	30	7700226	\$ 7.68	\$ 7.91	\$ 8.15	\$ 8.39	\$	8.64	\$ 40.77
		TURBO O-RING, #5,											
117		CUMMINS 8.9L	EA	18	30	7700216	\$ 48.42	\$ 49.87	\$ 51.37	\$ 52.91	\$	54.50	\$ 257.07
		CNTRL MODULE TRANS,				13-01-							
119		TCU, NABI	EA	3	25	1073	\$ 2,382.51	\$ 2,454.00	\$ 2,527.59	\$ 2,603.43	\$	2,681.55	\$ 12,649.08
		O RING EGR COOLER FOR											
120	70190108		EA	49	30	7700247	\$ 24.01	\$ 24.73	\$ 25.47	\$ 26.24	\$	27.02	\$ 127.47
		LOWER FUEL SHUTOFF											
		VALVE, 600,700,RAPIDS	EA	11	35	428895	\$ 495.99	\$ 515.83	 536.46	 557.92	\$	580.24	\$ 2,686.44
124	70195016	RADIATOR FAN, GILLIG	EA	4	25	6394998	\$ 1,499.96	\$ 1,544.96	\$ 1,591.32	\$ 1,639.04	\$	1,688.20	\$ 7,963.48
								•	•				

**CUMMINS INC** YR1 YR2 YR3 YR4 YR5 Leadtime/ Vendor # Bid Est. Annual UOM Ramp-Up Material # Description Ext. Price Ext. Price Ext. Price Ext. Price Ext. Price **TOTAL** item # Usage / Mfr # (days) Timing Cover Housing 8.9L -70199737 CUMMINS EΑ 3 30 4991695 728.91 750.78 773.30 796.50 820.39 3,869.88 1,156.18 1,190.86 1,226.59 5,959.50 70199894 Turbo Oil Drain Hose EΑ 50 2 3286499 1,122.50 \$ 1,263.38 \$ Engine Wairing Harness -\$ 23,467.41 70199909 CUMMINS 5368371 \$ 21,476.00 | \$ 22,120.28 \$ 22,783.89 \$ 24,171.43 \$ 114,019.00 EΑ 14 2 Tube, AC Comp to Block -\$ 1,056.00 | \$ 1,087.68 | \$ 1,120.31 | \$ 1,153.92 70200474 GILLIG 1300 EΑ 16 2 5312917 \$ 1,188.54 \$ 5,606.45

361,680.01

	1	Air Compressor Oil Supply	Ī	T		1	ı —		1		1							
6		Air Compressor Oil Supply	_ ^	20	2	2016049	φ.	1 400 00	φ	1 506 46	φ.	1 570 05	φ	1 610 42	σ	1 669 00	φ	7 060 14
6	70200676		EA	39	2	3916048	\$	1,482.00	\$	1,526.46	ф	1,572.25	Ф	1,619.42	Ф	1,668.00	\$	7,868.14
_		Engine Oil Dipstick -	_ ^	40	00	0000000	_	000.00	_	740.70	_	700.00	Φ.	750.00	Φ.	770.00	Φ.	0.000.00
7		CUMMINS	EA	10	30	3969996	\$	690.00	\$	710.70	\$	732.02	\$	753.98	\$	776.60	\$	3,663.30
		Oil Cooler Housing -	_ ,		00	5.450000	_	000.00	_	000 70	_	202 72		0.40.00	_	05400	•	4 400 00
			EA	2	30	5450366	\$	226.00	\$	232.78			\$	246.96			\$	1,199.86
9		Oil cooler gasket new style	EA	12	2	5403905	\$	168.00	\$	173.04	\$	178.23	\$	183.58	\$	189.09	\$	891.93
		Oil filter housing connection			_						١.						_	
	70201044		EA	27	2	5443707	\$	135.00		139.05	_		\$	147.52				716.73
11		Bolt M10 x 1.5 x 110mm	EA	3	2	3093806	\$	30.00	\$	30.90	\$	31.83	\$	32.78	\$	33.77	\$	159.27
		EGR COOLER CLAMP, V									١.							
			EA	72	2	4946823	\$	2,088.00								2,350.06		11,085.48
		Cover Valve Engine	EA	5	2	4939164	\$	835.00		860.05				912.43	<u> </u>			4,433.13
		Oil Pan Bolt 8.9L - CUMMINS		32	2	3907860	\$	32.00		32.96			\$	34.97				169.89
23		Connector Electrical	EA	20	2	3164882	\$	900.00	\$	927.00	\$	954.81	\$	983.45	\$	1,012.96	\$	4,778.22
		Bolt, M12 x 1.75 x 55 Crank																
	70200875		EA	20	2	3901859	\$	160.00	\$	164.80	\$	169.74	\$	174.84	\$	180.08	\$	849.46
25	70201438	Valve, Pressure Regulator	EA	0	2	5477889	\$	543.00	\$	559.29	\$	576.07	69	593.35	\$	611.15	\$	-
		SCREW HEX FLANGE																
38	70061903	HEAD CAP M8X1.25X20	EA	48	2	3900630	\$	48.00	\$	49.44	\$	50.92	\$	52.45	\$	54.02	\$	254.84
		SCREW HEX FLANGE																
39	70061911	HEAD M8X1.25X45	EA	12	2	3921816	\$	36.00	\$	37.08	\$	38.19	\$	39.34	\$	40.52	\$	191.13
		NUT HEXAGON,FLANGE																
42	70061945	M6X1.00	EA	52	2	3906216	\$	52.00	\$	53.56	\$	55.17	\$	56.82	\$	58.53	\$	276.08
			EA	92	2	3900626	\$	92.00		94.76		97.60	\$	100.53		103.55		488.44
		VALVE, FUEL SHUT OFF,																
47	70064154	CUMMINS 8.9L	EA	14	2	3931710	\$	9,492.00	\$	9,776.76	\$	10,070.06	\$	10,372.16	\$	10,683.33	\$	50,394.32
		GAS MASS FLOW SENSOR,					_				_				Ť	-,	-	
56		•	EA	11	2	3929935	\$	9,878.00	\$	10.174.34	\$	10,479.57	\$	10.793.96	\$	11,117.78	\$	52,443.64
		FUEL CONTROL VALVE,					Ť	2,21212	_	,	Ť	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ť		Ť	,	*	52, 110101
57		•	EA	34	2	4997684	\$	41,548.00	\$	42,794.44	\$	44,078.27	\$	45,400,62	\$	46,762.64	\$	220,583.97
		IGNITION CONTROL					Ť	,	_	,	Ť	,		,	Ť	,	Ť	
59			EA	3	30	3973087	\$	3,978.00	\$	4,097.34	\$	4,220.26	\$	4,346.87	\$	4,477.27	\$	21,119.74
		SHAFT, FOR IDLER PULLEY		<del>                                     </del>		00.000.	<b>—</b>	0,010.00	Ψ	1,001.01	Ť	1,220.20	Ψ	1,010.01	Ť	.,	Ψ	21,110111
61		FOR CUMMINS 8.9L	EA	11	2	3935229	\$	286.00	\$	294.58	\$	303.42	\$	312.52	\$	321.90	\$	1,518.41
<del></del>		HOSE CLAMP FOR BOOST		<del>  ''</del>		0000220	۳	200.00	Ψ	201.00	۳	000.12	•	012.02	Ψ	021.00	Ψ	1,010.11
63			EA	3	15	3920719	¢	9.00	\$	9.27	2	9.55	\$	9.83	\$	10.13	\$	47.78
-00		FAN SUPPORT HUB,	LA	<del>                                     </del>	10	3320713	Ψ	3.00	Ψ	5.21	Ψ	5.55	Ψ	3.03	Ψ	10.10	Ψ	47.70
70		· ·	EA	94	30	3937456	¢	28,764.00	Ф	20 626 02	¢	30 515 73	\$	31 /31 20	\$	32 37/ 1/	<b>\$</b>	152,711.98
70		KNOCK SENSOR, CUMMINS		34	30	3937430	Ψ	20,704.00	Ψ	29,020.92	Ψ	30,313.73	¥	31,431.20	Ψ	32,374.14	Ψ	132,711.90
71	70151340	The state of the s	EA	70	2	3607945	Φ.	2,870.00	Ф	2.056.10	Φ.	3,044.78	Ф	2 126 12	Ф	2 220 21	Ф	15,237.22
'		FUEL PRESS/TEMP		10		3007 843	Ψ	2,010.00	φ	۷,۶۵0.10	Ψ	5,044.70	φ	3,130.13	φ	3,230.21	\$	10,231.22
		SENSOR, CUMMINS																
70			_ ^	1 40	2	4004 400	٠	2 556 00	φ.	2 622 60	φ.	2 711 66	φ	2 702 04	φ	2 076 00	¢.	10 570 15
12	70151456	8.3L,8.9L TURBO PRESSURE	EA	12	2	4921483	Þ	∠,၁၁७.00	Ф	∠,03∠.08	Þ	∠,/11.00	Ф	2,793.07	Þ	2,876.80	Φ	13,570.15
															1			
70		SENSOR, CUMMINS		,-	•	4004500	φ.	000.00	φ.	740 70	φ.	700.00	Φ.	750.00	φ	770.00	r.	2 000 00
73	70151514	0.3L,8.9L	EA	15	2	4921503	Φ	690.00	Φ	710.70	<b>\$</b>	732.02	<b>\$</b>	753.98	\$	776.60	Ф	3,663.30

	1		_			1		1	T		T	1	
		FUEL PRESS/TEMP											
		SENSOR,CUMMINS	<b> </b>										
74	70151530		EA	8	2	4921479	\$ 1,584.00	\$ 1,631.52	\$ 1,680.47	\$ 1,730.88	\$ 1,782.81	\$	8,409.67
		REAR MAIN CRANK SEAL,	<b> </b>										
75	70151662		EA	46	2	3934486	\$ 1,012.00	\$ 1,042.36	\$ 1,073.63	\$ 1,105.84	\$ 1,139.01	\$	5,372.85
		COOLER ENGINE OIL FOR	<b> </b>										
83			EA	14	15	3974815	\$ 2,912.00	\$ 2,999.36	\$ 3,089.34	\$ 3,182.02	\$ 3,277.48	\$ 1	15,460.20
		WASTEGATE CONTROLER,	<b> </b>										
84	70155424	·	EA	62	2	3933846	\$ 40,052.00	\$ 41,253.56	\$ 42,491.17	\$ 43,765.90	\$ 45,078.88	\$ 21	12,641.51
		SPARK PLUG, CUMMINS	<b> </b>							<b>.</b>			
87	70160739		EA	4,162	2	4955850	\$133,184.00	\$137,179.52	\$141,294.91	\$145,533.75	\$149,899.77	\$ 70	07,091.94
		CRANKCASE BREATHER,	<b> </b>										
88	70161687	-	EA	378	2	3957987	\$ 20,412.00	\$ 21,024.36	\$ 21,655.09	\$ 22,304.74	\$ 22,973.89	\$ 10	08,370.08
		SECONDARY FUEL PRESS			_							_	
90	70162388	,	EA	18	2	5305242	\$ 9,774.00	\$ 10,067.22	\$ 10,369.24	\$ 10,680.31	\$ 11,000.72	\$ 5	51,891.49
		Crank Position Sensor 8.9L -			_								
			EA	51	2	2872279	\$ 816.00	T			\$ 918.42		4,332.25
93	70162420	EGR VALVE, CUMMINS 8.9L	EA	25	2	5258066	\$ 13,225.00	\$ 13,621.75	\$ 14,030.40	\$ 14,451.31	\$ 14,884.85	\$ 7	70,213.32
		Mass Air Flow Sensor 8.9L -											
			EA	22	30	4984928	\$ 2,772.00	\$ 2,855.16		\$ 3,029.04			14,716.92
96			EA	136	2	5273379	\$ 4,896.00	\$ 5,042.88	\$ 5,194.17	\$ 5,349.99	\$ 5,510.49	\$ 2	25,993.53
		BELT ALTERNATOR BELT											
97	70163691		EA	91	2	3288475	\$ 4,095.00	\$ 4,217.85	\$ 4,344.39	\$ 4,474.72	\$ 4,608.96	\$ 2	21,740.91
		AIR COMP TEFLON HOSE,											
99		,	EA	8	15	209963	\$ 576.00	\$ 593.28	\$ 611.08	\$ 629.41	\$ 648.29	\$	3,058.06
		CCV DRAIN TUBES,											
100	70165613		EA	76	2	5255745	\$ 8,588.00	\$ 8,845.64	\$ 9,111.01	\$ 9,384.34	\$ 9,665.87	\$ 4	45,594.86
		IGNITION COIL, CUMMINS											
102	70167684		EA	454	2	5310990	\$ 64,922.00	\$ 66,869.66	\$ 68,875.75	\$ 70,942.02	\$ 73,070.28	\$ 34	44,679.72
		Harness Engine Coils 8.9L -											
103			EA	37	2	5320969	\$ 4,699.00	\$ 4,839.97	\$ 4,985.17	\$ 5,134.72	\$ 5,288.77	\$ 2	24,947.63
		ENGINE DIPSTICK TUBE,											
104	70168260	NABI, RAPID,GILLIG	EA	36	2	3969058	\$ 3,780.00	\$ 3,893.40	\$ 4,010.20	\$ 4,130.51	\$ 4,254.42	\$ 2	20,068.53
		EGR COOLER ASSY,											
105	70168278	CUMMINS 8.9L ALL	EA	66	15	4376312R	\$ 75,966.00	\$ 78,244.98	\$ 80,592.33	\$ 83,010.10	\$ 85,500.40	\$ 40	03,313.81
		WATER PUMP, CUMMINS											
106	70168294		EA	35	2	4309417	\$ 4,830.00	\$ 4,974.90	\$ 5,124.15	\$ 5,277.87	\$ 5,436.21	\$ 2	25,643.13
		COIL EXTENTION,											
108	70168864		EA	339	2	5265337	\$ 24,747.00	\$ 25,489.41	\$ 26,254.09	\$ 27,041.72	\$ 27,852.97	\$ 13	31,385.18
		SENSOR, EGR											
109	70168872	DIFFERENTIAL PRESS, 8.9L	EA	36	2	4984929	\$ 10,476.00	\$ 10,790.28	\$ 11,113.99	\$ 11,447.41	\$ 11,790.83	\$ 5	55,618.51
		THROTTLE ACTUATOR,											
110	70168898	CUMMINS 8.9L-ALL	EA	36	2	4934537	\$ 16,920.00	\$ 17,427.60	\$ 17,950.43	\$ 18,488.94	\$ 19,043.61	\$ 8	39,830.58
		EGR Hose To Block 90 Deg											
113	70185165	8.9L - CUMMINS	EA	59	2	5258625	\$ 1,652.00	\$ 1,701.56	\$ 1,752.61	\$ 1,805.19	\$ 1,859.34	\$	8,770.69
		AIR COMP COOLANT LINE					•						
115	70187526		EA	47	2	S1091	\$ 188.00	\$ 193.64	\$ 199.45	\$ 205.43	\$ 211.60	\$	998.12
		BOTL 8.9 ISLG EXHAUST											
122			EA	387	2	3930249	\$ 2,709.00	\$ 2,790.27	\$ 2,873.98	\$ 2,960.20	\$ 3,049.00	\$ 1	14,382.45
		- ,				1	, ,	, ,	, , , , , , , , ,	. ,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,

		REGULATOR SECONDARY:										
123		,	EA	3	2	3102928	\$ 1,482.00	\$ 1526.46	\$ 1,572.25	\$ 1,619.42	\$ 1,668.00	\$ 7,868.14
1.20		HOSE, PREFORMED,45		Ü		0.02020	Ψ 1,102.00	ψ 1,020.10	Ψ 1,012.20	Ψ 1,010112	ψ 1,000.00	Ψ 1,000111
126		·	EA	83	2	5258626	\$ 1,826.00	\$ 1.880.78	\$ 1,937.20	\$ 1,995,32	\$ 2,055.18	\$ 9,694.48
		EGR Hose Insulation 8.9 -				0_000_0	ψ :,σ=σ:σσ	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ψ =,σσσσ	φ σ,σσσ
127			EA	238	2	4944755	\$ 1,428.00	\$ 1,470.84	\$ 1,514.97	\$ 1,560.41	\$ 1,607.23	\$ 7,581.45
		TUBE COOLANT,AIR										
		COMPRESSOR										
128	70195990	OUTLET,8.9L	EA	138	2	4991808	\$ 11,178.00	\$ 11,513.34	\$ 11,858.74	\$ 12,214.50	\$ 12,580.94	\$ 59,345.52
129	70198984	RING GEAR	EA	5	2	3908546	\$ 615.00	\$ 633.45	\$ 652.45	\$ 672.03	\$ 692.19	\$ 3,265.12
130	70199117	RING GEAR, 300,600,700	EA	5	2	3908546	\$ 615.00	\$ 633.45	\$ 652.45	\$ 672.03	\$ 692.19	\$ 3,265.12
		ENG OIL DIPSTICK, GILLIG,										
131	70199240	RAPID, GILLIG	EA	24	2	3974288	\$ 2,160.00	\$ 2,224.80	\$ 2,291.54	\$ 2,360.29	\$ 2,431.10	\$ 11,467.73
132	70199791	Valve Cover Cummins 8.9L	EA	14	2	4939164	\$ 2,338.00	\$ 2,408.14	\$ 2,480.38	\$ 2,554.80	\$ 2,631.44	\$ 12,412.76
		Kit - PMM Piston Upgrade -										
133			EA	23	2	5472934	\$ 51,313.00	\$ 52,852.39	\$ 54,437.96	\$ 56,071.10	\$ 57,753.23	\$ 272,427.69
		Core Cooler - Cummins 8.9										
134	70200900		EA	41	2	5397914	\$ 7,995.00	\$ 8,234.85	\$ 8,481.90	\$ 8,736.35	\$ 8,998.44	\$ 42,446.54
		IGNITION CNTRL MODULE										
136			EA	43	2	5320525	\$ 57,147.00	\$ 58,861.41	\$ 60,627.25	\$ 62,446.07	\$ 64,319.45	\$ 303,401.18
		ECM All 8.9L Excpt 1400										
137			EA	4	2	5593869	\$ 9,596.00	\$ 9,883.88	\$ 10,180.40	\$ 10,485.80	\$ 10,800.40	\$ 50,946.48
		ECM, Cummins, 1400 Series										
138	70201437		EA	3	30	5491911	\$ 7,134.00	\$ 7,348.02	\$ 7,568.46	\$ 7,795.51	\$ 8,029.38	\$ 37,875.37
		AIR COMPRESSOR, NABI,										
140	70183442		EA	2	2	5286681	\$ 6,568.00	\$ 6,765.04	\$ 6,967.99	\$ 7,177.03	\$ 7,392.34	\$ 34,870.40
		AIR COMPRESSOR HEAD										
141		•	EA	7	2	4309439	\$ 4,263.00	\$ 4,390.89	\$ 4,522.62	\$ 4,658.30	\$ 4,798.04	\$ 22,632.85
		KIT COMPRESSOR			_							
143			EA	43	2	4089216	\$ 65,188.00	\$ 67,143.64	\$ 69,157.95	\$ 71,232.69	\$ 73,369.67	\$ 346,091.95
		SCREW, HEX FLANGE			_							
144	70199175	HEAD CAP	EA	32	2	3925437	\$ 128.00	\$ 131.84	\$ 135.80	\$ 139.87	\$ 144.07	\$ 679.57

GRAND TOTAL (CUMMINS INC) \$ 4,338,569.57

	MUNCIE						,	YR1		YR2		YR3		YR4	YR5		
Bid item #	Material #	Description	UOM	Est. Annual Usage	Leadtime/ Ramp-Up (days)	I Vandor # I	Ext	t. Price	E	xt. Price	E	xt. Price	E:	xt. Price	Ext. Price		TOTAL
		CATALYST CLAMPS, ISLG															
16	70198385	8.9 ENGINE	EA	13	30	2871862	\$	258.57	\$	268.91	\$	279.67	\$	290.86	\$ 302.4	9	\$ 1,400.50
		GASKET, CATALYST															
17	70198386	MOUNTING	EA	36	5	2871452	\$	457.20	\$	475.49	\$	494.51	\$	514.29	\$ 534.8	6	\$ 2,476.34
		FC300, HOSE -24, #24, 1															
29	70025395	3/8",BLUE MULTI	FT	4	14	FC30024	\$	51.36	\$	53.41	\$	55.55	\$	57.77	\$ 60.0	8	\$ 278.18

		VALVE, COOLANT FILTER,															1	1
30	70032722		EA	21	5	53208730	\$	161.28	\$	167.73	\$	174.44	\$	181.42	\$	188.67	\$	873.54
- 00		1" ID SILICONE HOSE, 2				00200700	Ψ	101.20	Ψ	107.70	Ψ	17 1.11	Ψ	101.12	Ψ	100.07	Ψ	070.01
31	70035964	•	ROL	160	5	97999920	\$	11,024.00	\$	11.464.96	\$	11,923.56	\$	12,400.50	\$	12,896.52	\$	59,709.54
		PRESSURE RELIEF		1.00		0.0002	_	, =	Ť	,	Ť	,0_0.00	Ť	,	Ť	,000.0_	Ť	20,1 2010 1
32	70038042	VALVE,SURGE TANK, NF-40	EA	17	42	099870	\$	279.14	\$	290.31	\$	301.92	\$	313.99	\$	326.55	\$	1,511.91
		TENSIONER,BELT,CUMMIN																·
36	70059071	S	EA	6	30	5333477	\$	334.68	\$	348.07	\$	361.99	\$	376.47	\$	391.53	\$	1,812.73
37	70059378	BELT WATER PUMP	EA	14	5	3289279	\$	195.86	\$	203.69	\$	211.84	\$	220.32	\$	229.13	\$	1,060.84
		AIR FILTER HOUSING NUT,																
51	70076604	PLASTIC, NF-40	EA	29	5	702019	\$	27.55	\$	28.65	\$	29.80	\$	30.99	\$	32.23	\$	149.22
		HOSE																
		SILICONE,COOLING/HEATE																
52	70081935		EA	21	6	118	\$	375.90	\$	390.94	\$	406.57	\$	422.84	\$	439.75	\$	2,036.00
		WEATHERPACK WIRE																
53	70083071		EA	518	34	12015284	\$	25.90	\$	26.94	\$	28.01	\$	29.13	\$	30.30	\$	140.28
		WEATHERPACK FEMALE																
55	70083121		EA	733	5	12089188	\$	65.97	\$	68.61	\$	71.35	\$	74.21	\$	77.18	\$	357.31
		OIL PAN DRAIN PLUG,	L.								١,		_				_	
66	70148767	CUMMINS	EA	16	30	3924147	\$	49.60	\$	51.58	\$	53.65	\$	55.79	\$	58.02	\$	268.65
		TRANS FILTER KIT FOR ZF	l		_			4 40= =0	_		_							
77		TRANS, NF-40	EA	86	5	6310797	\$	1,137.78	\$	1,183.29	\$	1,230.62	\$	1,279.85	\$	1,331.04	\$	6,162.58
70		PRESSURE SENSOR FOR		44	00	4004.405	•	4 400 00	_	4 405 00	_	4 040 45	_	4 000 05	_	4 044 00	_	0.074.50
78		,	EA	14	30	4921495	4	1,120.98	<b>\$</b>	1,165.82	<b>\$</b>	1,212.45	\$	1,260.95	\$	1,311.39	\$	6,071.59
79		HOSE SILICONE 1 1/2"ID,3' LNG, COOLANT	EA	103	5	7030150	φ	1 020 40	φ.	2 047 07	φ.	2 007 75	φ	2 404 66	φ.	2 260 02	¢.	10 504 00
79		HUMIDITY SENSOR,	EA	103	5	7030130	Э	1,939.49	Ф	2,017.07	Φ	2,097.75	Ф	2,181.66	Ф	2,268.93	\$	10,504.90
85		CUMMINS 8.9L-ALL	EA	21	30	4955125	Ф	7,192.71	ф	7 490 42	l œ	7 770 64	Φ	8,090.82	¢	8,414.45	\$	38,958.04
00	70136406	Banjo O-Ring Washer Turbo	EA	21	30	4900120	Φ	7,192.71	φ	7,400.42	Φ	7,779.04	Φ	0,090.02	Φ	0,414.43	Φ	30,930.04
111	70173104	, ,	EΑ	77	20	3963988	\$	53.90	\$	56.06	\$	58.30	\$	60.63	\$	63.06	¢	291.94
H		VALVE,COOLANT	<u> </u>	11	۷.	0000000	Ψ	55.50	Ψ	50.00	Ψ	30.30	Ψ	00.00	Ψ	00.00	Ψ	231.34
125		SHUTOFF, NF / NABI	EΑ	149	5	6331005	\$	3,967.87	\$	4 126 58	\$	4,291.65	\$	4,463.31	\$	4,641.85	\$	21,491.26
.25		AIR COMPRESSOR, NF-400		1 10		3301000	_	5,557.57	Ψ	., .20.00	۳	1,201.00	۳	1, 100.01	Ψ	.,011.00	Ψ	21,101.20
139	70161703		EA	1 1	30	5301088R	\$	1,440.43	\$	1.498.05	\$	1,557.97	\$	1,620.29	\$	1,685.10	\$	7,801.83
		AIR COMPRESSOR, 300		<u> </u>		23010001	*	.,		., 100.00	<b> </b>	.,007.107	<b>—</b>	.,020.20	*	.,000.10	<b>—</b>	. ,0000
142	70195776	SERIES ONLY	EA	0	30	6356855	\$	1,547.12	\$	1,609.00	\$	1,673.36	\$	1,740.30	\$	1,809.91	\$	-
	, , , , , , ,							,		,		,	Ť	,		,	Ť	

**GRAND TOTAL (MUNCIE)** \$ 163,357.21



# STANDARD AGREEMENT FOR MTS DOC. NO. B0719.0-21 REBUILT ZF ECOMAT & ECOLIFE TRANSMISSIONS

THIS A	AGREEMENT is entered into this	da	ay of _	, 2021 in the State of
	ia by and between San Diego Metropolitan following, hereinafter referred to as "Contractions"		System	("MTS"), a California public agency,
Name:	Harbor Diesel & Equipment, Inc. dba HD Industries	Ac	dress:	537 W. Anaheim St.
				Long Beach, CA 90813
	Business: Corporation rporation, Partnership, Sole Proprietor, etc.)	<u> </u>	Email :	bids@harbordiesel.com
Telepho	one: <u>562-591-5665</u>			
Authoriz	zed person to sign contracts Mike Zu	panovic	h	President
	Na	me		Title
The con	ms (Exhibit E),  atract term is for up to (5) years effective May  at terms shall be net 30 days from invoice d  755.39 without the express written consent of	ate. The		•
SAN DI	EGO METROPOLITAN TRANSIT SYSTEM	64T63	THARBO	OR DIESEL & EQUIPMENT, INC. DBA HD INDUSTRIES
Ву:				
S	Sharon Cooney, Chief Executive Officer	Ву		
Approve	ed as to form:			
Ву:		Title:	Presid	lent
	Karen Landers, General Counsel			
		•		



# STANDARD AGREEMENT FOR MTS DOC. NO. B0727.0-21 CUMMINS IN-FRAME OVERHAULS

THIS AGREEMENT is entered into this	da	y of _	, 2021 in the State of
California by and between San Diego Metropo and the following, hereinafter referred to as "Co		System	("MTS"), a California public agency,
Name: Cummins Inc, dba Cummins Sales at Service	nd Ade	dress:	1939 Deere Ave.
			Irvine, CA 92606
Form of Business: Corporation (Corporation, Partnership, Sole Proprietor,	etc.) E	Email :	cssnbids@cummins.com
Telephone: 949-253-6000			
Authorized person to sign contracts	Rick C. Ham		VP – On Highway Business
	Name		Title
the Standard Agreement, including Standard (and Forms (Exhibit E),  The contract term is for up to (5) years effective	`		,
Payment terms shall be net 30 days from in exceed \$4,951,229.48 without the express write	cumvoice dat	e. The	total cost of this contract shall not
SAN DIEGO METROPOLITAN TRANSIT SYSTEM	M 64T63T	CUMM	INS INC, DBA CUMMINS SALES AND SERVICE
Ву:			
Sharon Cooney, Chief Executive Officer	r By		
Approved as to form:	-		
Ву:	Title:	VP –	On Highway Business
Karen Landers, General Counsel	_		



# STANDARD AGREEMENT **FOR** MTS DOC. NO. B0728.0-21 **CUMMINS BUS PARTS**

THIS AGREEMENT is entered into this California by and between San Diego Metropolitan and the following, hereinafter referred to as "Contractions".	Transit Syste	
Name: Cummins Inc, dba Cummins Sales and Service	Address	: 1939 Deere Ave
		Irvine, CA 92606
Form of Business: Corporation (Corporation, Partnership, Sole Proprietor, etc.)	_ Email	: cssnabids@cummins.com
Telephone: 949-253-6000	<u> </u>	
·	C. Ham me	VP- On Highway Business Title
ina	me	ritte
Technical Specification (Exhibit A), Contractor's Biothe Standard Agreement, including Standard Conditional Forms (Exhibit E), Forms (Exhibit D)  The contract term is for up to (5) years effective May Payment terms shall be net 30 days from invoice described in the standard of the stan	tions (Exhibit	C), Federal Requirements (Exhibit D), ugh April 30, 2026.
\$4,338,569.57 without the express written consent of		Toost of this contract shall not exceed
SAN DIEGO METROPOLITAN TRANSIT SYSTEM	64T63TCU	MMINS INC, DBA CUMMINS SALES AND SERVICE
Ву:		
Sharon Cooney, Chief Executive Officer	Ву	
Approved as to form:		
Ву:	Title: VP-	On Highway Business
Karen Landers, General Counsel		











# STANDARD AGREEMENT **FOR** MTS DOC. NO. B0729.0-21 **CUMMINS BUS PARTS**

THIS AGREEMENT is entered into this California by and between San Diego Metropolitan and the following, hereinafter referred to as "Contractions".	Transit S		,
Name: The Aftermarket Parts Company, LLC dba NFI Parts	Add	lress:	3229 Sawmill Parkway Street
	<del></del>		Delaware, OH 43105
Form of Business: Corporation (Corporation, Partnership, Sole Proprietor, etc.)	_ 	mail :	Kerri.Maloney@nfi.parts
Telephone: 204-982-8401		-	
	<u>/laloney</u> ime		Vice President, Customer Service Title
The Contractor agrees to provide goods as spe Technical Specification (Exhibit A), Contractor's Bio the Standard Agreement, including Standard Condit and Forms (Exhibit E), Forms (Exhibit D)	d/Pricing tions (Ex	Form hibit C)	(Exhibit B), and in accordance with ), Federal Requirements (Exhibit D)
The contract term is for up to (5) years effective May	y 1, 2021	throug	jh April 30, 2026.
Payment terms shall be net 30 days from invoice d \$361,680.01 without the express written consent of		total c	ost of this contract shall not exceed
SAN DIEGO METROPOLITAN TRANSIT SYSTEM	64T637		FTERMARKET PARTS COMPANY, LLC DBA NFI PARTS
Ву:			
Sharon Cooney, Chief Executive Officer	Ву		
Approved as to form:	_		
Ву:	Title:	Vice P	resident, Customer Service
Karen Landers, General Counsel	_		











# STANDARD AGREEMENT FOR MTS DOC. NO. B0730.0-21 CUMMINS BUS PARTS

THIS AGREEMENT is entered into this _	d	ay of _	, 2021 in the State o
California by and between San Diego Metrop and the following, hereinafter referred to as "G		System	("MTS"), a California public agency
Name: Muncie Reclamation and Supply db. Muncie Transit Supply	a Ao	ddress:	3720 S. Madison St
			Muncie, IN 47302
Form of Business: Corporation (Corporation, Partnership, Sole Proprietor	r, etc.)	Email :	bhuff@abc-companies.com
Telephone: 765-288-1971 ext 20222			
Authorized person to sign contracts	Becky Huff		Contract Manager
	Name		Title
and Forms (Exhibit E), Forms (Exhibit D)  The contract term is for up to (5) years effecti  Payment terms shall be net 30 days from inv  \$163,357.21 without the express written cons	voice date. Th	`	•
SAN DIEGO METROPOLITAN TRANSIT SYSTE	EM 64T0		CIE RECLAMATION AND SUPPLY MUNCIE TRANSIT SUPPLY
Ву:			
Sharon Cooney, Chief Executive Office	er By		
Approved as to form:			
Ву:	Title:	Contra	act Manager
Karen Landers, General Counsel			





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

# Agenda Item No. 13

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

March 11, 2021

**Executive Committee** 

**Draft for** 

SUBJECT:

Review Date: 03/04/2021

CROSSTIE AND GRADE CROSSING IMPROVEMENTS - 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. PWL325.0-21 (in substantially the same format as Attachment A), with Veterans Engineering Services, Inc., a Disabled Veteran Business Enterprise (DVBE), for Crosstie and Grade Crossing Improvements in the amount of \$2,358,317.36 plus 20% contingency.

# **Budget Impact**

The total budget for this project shall not exceed \$2,829,980.83 (\$970,233.56 for the base Bid, \$777,710.84 for Add Alternate 1 and \$610,372.96 for Alternate 2, pending funding from FY 22 CIP budget, plus contingency in the amount of \$471,663.47) over the duration of the construction services consisting of the following:

DESCRIPTION	BID AMOUNT	BID W/CONTINGENCY
Base – Executing	\$970,233.56	\$1,164,280.27
Add Alternate 1 – Executing	\$777,710.84	\$933,253.01
Subtotal Base Work/Add Alt 1	\$1,747,944.40	\$2,097,533.28
Add Alternate 2 – Executing at a later date	\$610,372.96	\$732,447.55
Grand Total Incl. Add Alternate	\$2,358,317.36	\$2,829,980.83

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

CIP/COST CENTER NUMBER	CIP DESCRIPTION	AMOUNT
CIP 2005109201	Grade Crossing Replacement	\$800,647.27
CIP 2005109101	Crosstie Replacement	\$363,633.00
Cost Center 370016	Crosstie Replacement	\$933,253.01
Proposed FY22 CIP	Grade Crossing Replacement	\$732,447.55
	Total	\$2,829,980.83









# **DISCUSSION:**

MTS's Green and Orange Lines require replacement of several major track components that are at the end of their useful life, including, but not limited to, worn rail and ties, and vehicle grade crossings. The purpose of this project is to replace vehicle grade crossings at Friars Road and Napa Street on the Green Line and at Vernon Way on the Orange Line and replace ties along the Orange Line between Severin Drive and Hill Street.

In order to ensure the base bid work could be completed within budget, additional scopes of work were added to the bid documents as "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 additional Tie Replacement between Severin Drive and Palm Avenue on the Orange Line.

# **Add Alternate 2**

Work will include replacement of the existing vehicular crossing(s) at Francis Street and Hill Street, and additional track replacement east of the Hill Street vehicular crossing on the Orange Line.

On October 27, 2020, staff issued an Invitation for Bids (IFB). The following bids were received:

Crosstie and Grade Crossing Improvements				
COMPANY NAME	BID AMOUNT			
MTS - ICE	\$2,458,925.00			
Veterans Engineering Services, Inc. (DVBE)	\$2,358,317.36			
Herzog Contracting Corp.	\$2,476,376.00			
West Coast General Group, A Joint	\$2,513,854.00			
VTMI, Inc.	\$2,529,600.48			
Stacy and Witbeck, Inc.	\$3,612,512.40			

Based on the bids received, and in comparison, with the Independent Cost Estimate (ICE), MTS staff recommends awarding the Base Bid and Add Alternate 1 with Veterans Engineering Services. Staff determined the price to be fair and reasonable. If future Capital Improvement Programs (CIPs) include funding for the remaining Add Alternate 2, staff may execute Add Alternate 2 at a future date.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. No. PWL325.0-21, with Veterans Engineering Services, Inc., a Disabled Veteran Business Enterprise (DVBE), for Crosstie and Grade Crossing Improvements in the amount of \$2,358,317.36 plus 20% contingency.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

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

Attachments: A. Draft Agreement PWL325.0-21

B. Bid Price Form



1255 Imperial Ave. SUITE 1000 **SuITE 1000** San Diego, CA 92101 Tel 619.231.1466 Fax 619.234.3407

#### STANDARD CONSTRUCTION AGREEMENT

#### **FOR**

#### MTS DOC. NO. PWL325.0-21

# 1255 Imperial Ave. SUITE 1000

				2020, in the St	
	•	•		ก ("MTS"), a California public aดู	gency,
and the	e following, hereinafter referre	ed to as "Contracto	r":		
Name:	VETERANS ENGINEERINGINC.	G SERVICES,	Address:	2300 N. BATAVIA ST., ORAN CA 92865	GE,
Form of	Business: SCORP				
(Coı	rporation, Partnership, Sole F	Proprietor, etc.)	Email:	PAUL@VETERANSESINC.CO	MC
Telepho	one: 714-733-1461				
Authoriz	zed person to sign contracts	PAUL		MARSHALL	
		Name		Title	

# The specified Contract Documents are part of this Agreement. The Contractor agrees to furnish to MTS services and materials, as follows:

Contractor shall furnish all necessary management, supervision, labor, materials, tools, supplies, equipment, plant, services, engineering, testing and/or any other act or thing required to diligently and fully perform and complete the Project as specified in accordance with the Standard Agreement and General Conditions (Exhibit A), Scope of Work, Special Conditions and Attachments (Exhibit B), Bid Price Form (Exhibit C), and Forms (Exhibit D)

#### SCOPE OF WORK

Contractor, for and in consideration of the payment to be made to Contractor as hereinafter provided, shall furnish all plant, labor, technical and professional services, supervision, materials and equipment, other than such materials and equipment as may be specified to be furnished by MTS, and perform all operations necessary to complete the Work in strict conformance with the Contract Documents (defined below) for the following public work of improvement:

# 1255 IMPERIAL AVE. SUITE 1000

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 **180 calendar days** from the commencement date stated in

the Notice to Proceed. An additional **180 calendar days** from the commencement date stated in the Notice to Proceed for Add Alternate one (1). An additional **180 calendar days** from the commencement date stated in the Notice to Proceed for Add Alternate two (2). By its signature hereunder, Contractor agrees the Contract Time is adequate and reasonable to complete the Work.

# CONTRACT PRICE.

MTS shall pay the Contractor as full compensation for the performance of the Contract, subject to any additions or deductions as provided in the Contract Documents, and including all applicable taxes and costs, the sum of One million seven hundred forty seven thousand nine hundred forty four dollars and forty cents.\_\$ 1,747,944.40\_). 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 <a href="http://www.dir.ca.gov">http://www.dir.ca.gov</a> and which must be posted at the job site.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	VETERANS ENGINEERING SERVICES, INC.
Ву:	
Sharon Cooney, Chief Executive Officer	Ву
Approved as to form:	
Ву:	Title:
Karen Landers, General Counsel	

# CROSSTIE AND GRADE CROSSING IMPROVEMENTS - BID PRICE FORM

Bid Item	Description	UOM	Quantity		Unit Cost (one unit)	Extended Cost (Quantity x Unit Cost)
1	Remove Existing Rubber Panels, Vehicular Crossing	TF	453	\$	274.23	\$ 124,226.19
2	Install New Rubber Panels, Vehicular Crossing	TF	453	\$	539.64	\$ 244,456.92
3	Asphalt Concrete, (8" HMAC)	SF	2748	\$	32.15	\$ 88,348.20
4	Install Sidewalk, (4" PCCP)	SF	69	\$	568.75	\$ 39,243.75
5	Rail Replacement (115lb to 115lb)	TF	800	\$	200.91	\$ 160,728.00
6	Crosstie Replacement (Timber Ties) (Segment #1)	EA	550	\$	439.61	\$ 241,785.50
7	Surfacing, Top Ballast, & Destressing (Segment #1)	TF	2360	\$	25.95	\$ 61,242.00
	Payment / Performance Bond	na	1	\$	10,202.00	\$ 10,202.00
					BASE TOTAL	\$ 970,232.56
		Add	Alternate #1			
6.1	Crosstie Replacement (Timber Ties) (Segment #2)	EA	1975	\$	290.33	\$ 573,401.75
7.1	Surfacing, Top Ballast, & Destressing (Segment #2)	TF	7437	\$	26.57	\$ 197,601.09
	Payment / Performance Bond	na	1	\$	6,708.00	\$ 6,708.00
			ADI	) AL	TERNATE #1 TOTAL	\$ 777,710.84
1.2	Remove Existing Rubber Panels, Vehicular Crossing	TF	128	\$	252.96	\$ 32,378.88
2.2	Install New Rubber Panels, Vehicular Crossing	TF	128	\$	564.97	\$ 72,316.16
3.2	Asphalt Concrete, (8" HMAC)	SF	1334	\$	31.97	\$ 42,647.98
5.2	Rail Replacement (115lb to 115lb)	TF	558	\$	153.20	\$ 85,485.60
8.2	Remove Existing Track, Vehicular Crossing	TF	180	\$	169.95	\$ 30,591.00
9.2	Remove Existing Track, Full Depth	TF	414	\$	144.73	\$ 59,918.22
10.2	Construct New Track, Vehicular Crossing	TF	180	\$	724.61	\$ 130,429.80
11.2	Construct New Track on Timber Ties	TF	414	\$	365.88	\$ 151,474.32
	Payment / Performance Bond	na	1	\$	5,131.00	\$ 5,131.00
ADD ALTERNATE #2 TOTAL						\$ 610,372.96
	Bid Bond	na	1	\$	1.00	\$ 1.00
GRAND TOTAL BASIS OF AWARD						\$ 2,358,316.36



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## Agenda Item No. 14

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

March 11, 2021

Draft for
Executive Committee
Review Date: 03/04/2021

SUBJECT:

TRANSIT VEHICLE WRAP PRODUCTION AND INSTALLATION 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. G2437.0-21 (in substantially the same format as Attachment A), with Turbo Images, for the provision of Transit Vehicle Wrap Production and Installation Services for a three (3)-year period in the amount of \$200,627.83.

## **Budget Impact**

The total budget for this project shall not exceed \$200,627.83. This project is funded by the Marketing Operating Budget (551010-571240).

#### DISCUSSION:

MTS Marketing routinely takes advantage of its fleet of trolleys and buses to wrap with advertising messages to encourage the use of public transit. The production and installation of wrap material requires specialized printers and experienced installers to ensure high-quality advertisements and installations/removals that do not damage MTS vehicles. In the near term, MTS Marketing will utilize this contract to communicate the transition to PRONTO and the opening of the Mid-Coast Trolley extension, with service extending from Old Town to University City.

On December 17, 2020, MTS released a Request for Proposals (RFP) for Transit Vehicle Wrap Production and Installation Services.

On January 28, 2021, MTS received a total of three (3) proposals from the following firms:









- 1. CR&A Custom Inc. (Small Business and Minority Owned Business Enterprise)
- 2. DPI Direct
- 3. Turbo Images, Inc.

A selection committee consisting of representatives from the Marketing, Finance and Bus Maintenance departments met and scored the proposals based on the following:

1.	Qualifications of the firm	25%
2.	Methodology and Work Plan	35%
3.	Cost and Price	40%
		100%

The following table illustrates the scores and ranking of each firm:

Proposer Name	Total Avg.	Initial Price	Cost	Total Avg. Score	Ranking
Proposer Name	Tech Score	Proposal	Score	(max. 100)	Kanking
Turbo Images, Inc.	41.67	\$200,627.83	40.00	81.67	1
CR&A Custom, Inc.	45.67	\$282,232.12	28.43	74.10	2
DPI Direct	27.33	\$240,674.68	33.34	60.68	3

After the initial evaluation of the proposals, the selection committee determined it would be in MTS's best interest to interview the top two (2) proposers that were within the competitive range. On February 22, 2021, MTS received Best and Final Offers (BAFO) from Turbo Images and CR&A Custom, and below are the updated scores.

Proposer Name	BAFO Tech Score	BAFO	Cost Score	Total Avg. Score (max. 100)	Ranking
Turbo Images, Inc	44.00	\$200,627.83	40.00	84.00	1
CR&A Custom, Inc	45.67	\$282,232.12	28.43	74.10	2

Although neither proposer adjusted their pricing during the BAFO/interview process, Turbo Images did provide clarification about the availability of their installers/laborers and their ability to meet MTS's desired turnaround times, resulting in a favorable adjustment to Turbo Images' technical score. Based on the selection committee's evaluation of the technical proposal, BAFO and comparison to the independent cost estimate of \$210,000, Turbo Images' offer is reasonably priced and offers the most advantageous solution to MTS.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute MTS Doc. No. G2437.0-21, with Turbo Images, for the provision of Transit Vehicle Wrap Production and Installation Services for a three (3)-year period in the amount of \$200,627.83.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

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

Attachments: A. Draft MTS Doc. No. G2437.0-21

B. BAFO



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

# STANDARD SERVICES AGREEMENT TRANSIT VEHICLES WRAP PRODUCTION AND INSTALLATION SERVICES MTS DOC NO. G2437.0-21

THIS AGREEMENT is entered into this California by and between San Diego N and the following, hereinafter referred to	Metropolitan Transit Sys	2021, in the State of tem ("MTS"), a California public agency,
Name: <u>Turbo Images</u> Form of Business: <u>Corporation</u> (Corporation, partnership, sole propriet		s: 1225 107e Rue St. Georges, QC G5Y 8C3, Canada
Telephone: <u>581-982-4014</u>	Email Addre	ss: Charles.Veilleux@turbo-images.com
Authorized person to sign contracts:	Charles Veilleux Name	VP of Sales & Marketing Title
The attached Standard Conditions a to MTS services, as follows:	re part of this Agreeme	ent. The Contractor agrees to furnish
	final offer (attached as	specified in the Scope of Work (attached s Exhibit B), and in accordance with the
The contract term is for up to a three through March 14, 2024.	(3) year period. Base p	period shall be effective March 15, 2021
Payment terms shall be net 30 days exceed \$200,627.83 for all three years		e total cost of this agreement shall not ten consent of MTS.
SAN DIEGO METROPOLITAN TRANSI	T SYSTEM	TURBO IMAGES
By:		
Sharon Cooney, Chief Executive	ve Officer By	
Approved as to form:	_	
Ву:	Title:	
Karen Landers, General Co	ounsel	









## **G2437.0-21 TRANSIT VEHICLES WRAP PRODUCTION AND INSTALLATION SERVICES**

## **BAFO - COST PROPOSAL FORM**

Item No.	Item Description	Unit Of Measure (ea, lb., ft., box, gal)	Est. Quantity	Unit Price	Total Price
1	Full Trolley Wraps - Materials	EA	10	\$ 4,261.00	\$ 42,610.00
2	Labor (inc. production/installation)	LS	10	\$ 3,400.00	\$ 34,000.00
3	Labor (removal)	LS	10	\$ 1,020.00	\$ 10,200.00
4	Full Bus Wraps - Materials	EA	10	\$ 1,881.00	\$ 18,810.00
5	Labor (inc. production/installation)	LS	10	\$ 1,913.00	\$ 19,130.00
6	Labor (removal)	LS	10	\$ 595.00	\$ 5,950.00
7	Bus Full Side with windows Wraps - Materials	EA	10	\$ 976.00	\$ 9,760.00
8	Labor (inc. production/installation)	LS	10	\$ 850.00	\$ 8,500.00
9	Labor (removal)	LS	10	\$ 255.00	\$ 2,550.00
10	Bus Back Wraps - Materials	EA	40	\$ 180.00	\$ 7,200.00
11	Labor (inc. production/installation)	LS	40	\$ 213.00	\$ 8,520.00
12	Labor (removal)	LS	40	\$ 85.00	\$ 3,400.00
13	Van Wraps - Materials	EA	4	\$ 598.00	\$ 2,392.00
14	Labor (inc. production/installation)	LS	4	\$ 1,530.00	\$ 6,120.00
15	Labor (removal)	LS	4	\$ 425.00	\$ 1,700.00
16	Vehicle Repair per minimum specs (all materials taxable)	SQ. FT.	800	\$ 3.00	\$ 2,400.00
17	Vehicle Repair Labor (including production and installation)	SQ. FT.	800	\$ 3.05	\$ 2,440.00
18	Hourly rate to remove existing materials/wraps	Hour	100	\$ 85.00	\$ 8,500.00
	Total Materials				
Total Labor					\$111,010.00
	Sales Tax (7.75%)				
Grand Total Basis of Award					



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# Agenda Item No. 15

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM BOARD OF DIRECTORS

March 11, 2021

Draft for Executive Committee Review Date: 03/04/2021

SUBJECT:

APPLICATION FOR VOLKSWAGEN (VW) ENVIRONMENTAL MITIGATION TRUST (TRUST) FUND BUS REPLACEMENT PROGRAM

#### **RECOMMENDATION:**

That the San Diego Metropolitan Transit System (MTS) Board of Directors approve Resolution No. 20-2 (Attachment A), authorizing the application for rebates of up to \$720,000 in VW Trust funds for the current and future purchase of battery electric buses.

#### **Budget Impact**

If awarded, MTS will receive rebates of up to \$720,000.00 in VW Trust funds for current and future battery electric bus procurements.

#### DISCUSSION:

The VW Trust provides about \$423 million for California to mitigate the excess nitrogen oxide (NOX) emissions caused by VW's installation of special devices in certain VW diesel vehicles to get false negative results during emission testing. \$130 million of the VW Trust funding has been made available to replace older, high-polluting transit buses with new battery-electric or fuel-cell buses. The Trust is being administered by San Joaquin Valley Air Pollution Control District.

MTS is in the process of applying to San Joaquin Valley Air Pollution Control District for rebates of up to \$720,000.00 from the Trust for current and future the purchase of battery electric buses.

San Joaquin Valley Air Pollution Control District requires the submission of a resolution by each agency's Board of Directors authorizing the submission of an application and identifying the signing authority for the project.









Therefore, staff recommends that the MTS Board of Directors approve Resolution No. 20-2 (Attachment A), authorizing the application for rebates of up to \$720,000 in VW Trust funds for the current and future purchase of battery electric buses.

/s/ Sharon Cooney

Sharon Cooney Chief Executive Officer

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

Attachment: A. Resolution No. 20-2

## SAN DIEGO METROPOLITAN TRANSIT SYSTEM

## Resolution No. 21-2

## Resolution Authorizing the Make Application for, to Sign Required Assurance and to Administer the Volkswagen (VW) Mitigation Trust Fund

WHEREAS, the San Diego Metropolitan Transit System (MTS) is an eligible project sponsor and may receive funding from the VW Mitigation Trust Fund for the purchase of battery electric buses to replace the existing compressed natural gas (CNG) buses numbers 301, 302, 2802 & 2803 and

WHEREAS, the MTS Board of Directors (Board) wishes to delegate authorization to execute these documents and any amendments thereto to the Chief Executive Officer (CEO), Sharon Cooney or designated representatives.

NOW THEREFORE, BE IT RESOLVED, DETERMINED, AND ORDERED by the MTS Board that MTS agrees to comply with all conditions and requirements set forth in the Certification and Assurances document.

BE IT FURTHER RESOLVED by the MTS Board that the CEO, or designated representative, be authorized to execute all required documents of the VW Mitigation Trust Fund and any Amendments thereto

BE IT FURTHER RESOLVED by the Board that MTS is authorized to make application for, to sign required assurances, and to administer the VW Environmental Mitigation Trust Funds with respect to applications for Local, State and Federal program, projects or grants

P following	PASSED AND ADOPTED, by the Board of Directors thisday of y vote:	2021 by the
А	YES:	
N	NAYS:	
А	ABSENT:	
А	ABSTAINING:	
_	Chairnerson	

San Diego Metropolitan Transit System

Filed by:	Approved as to form:		
Clerk of the Board	Office of the General Counsel		
San Diego Metropolitan Transit System	San Diego Metropolitan Transit System		

Resolution No. 21-2



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

# Agenda Item No. 16

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

March 11, 2021

SUBJECT:

Draft for Executive Committee Review Date: 03/04/2021

PROPERTY INSURANCE RENEWAL

#### RECOMMENDATION:

That the Board of Directors authorize the Chief Executive Officer (CEO) to renew the property insurance coverage for the San Diego Metropolitan Transit System (MTS), San Diego Transit Corporation (SDTC), and San Diego Trolley, Inc. (SDTI) with the Public Risk Innovation, Solutions, and Management (PRISM) [formerly known as the California State Association of Counties – Excess Insurance Authority (CSAC-EIA)] Property Insurance Program, effective March 31, 2021, through March 31, 2022, with various coverage deductibles of \$25,000 (real estate and personal contents property), \$100,000 (bus fleet), \$250,000 (light rail fleet) and \$1,500,000 (roads, bridges and tunnels).

## **Budget Impact**

The preliminary renewal premium would not exceed \$2,100,000, which represents an up to \$593,089 or 39.96% combined possible increase over last year's actual premium of \$1,506,911. The premium is anticipated to be charged against the budgets of MTS (\$37,100), SDTC (\$524,800), and SDTI (\$1,538,100). The premium will be split between fiscal years 2021 and 2022 as follows:

PROPERTY PREMIUM ESTIMATED FISCAL YEAR SPLIT					
Policy Period: 03/31/21 – 03/31/22					
Agency	FY 21	FY 22	Total Premium		
MTS	\$12,367	\$24,733	\$37,100		
SDTC	\$174,933	\$349,867	\$524,800		
SDTI \$512,700 \$1,025,400 \$1,538,10					
TOTAL	\$700,000	\$1,400,000	\$2,100,000		

#### **DISCUSSION:**

MTS's current property insurance policy will expire on March 31, 2021. This line of coverage insures against physical damage, vandalism and theft caused to the real and









personal property of MTS, SDTC, and SDTI, which together includes \$1,659,714,293 in total insured values. The coverage is obtained through the PRISM, which is a joint powers insurance authority of 358 public entity members. Of this number, 110 members participate in the property insurance program. SDTC has been insured through this group since 1993. The other MTS agencies became insured with PRISM in 1997.

PRISM provides a complex layering of multiple insurance carriers, including both domestic and international insurers. Due to the size of its membership, PRISM has tremendous premium purchasing power. Special form perils coverage provides risk protection on most perils (including terrorism), and causes of loss unless specifically excluded by the policy. Some of the perils excluded in MTS's program include earthquake, wear and tear, pollution, war risk, employee fraud, nuclear radiation, and loss to landscaping, money, or watercraft. These exclusions do not include every peril or property specifically excluded; however, they are examples of the types of losses that would not be covered.

Some PRISM members, including both the City and County of San Diego, have purchased earthquake insurance in the past. MTS and its entities have traditionally elected not to purchase this optional coverage as the terms and conditions primarily support real estate damage caused by an earthquake event with high deductibles. The coverage would not support the majority of MTS's infrastructure and guideways.

The proposed renewal policy carries a blanket limit of \$600 million, which applies to perils for any one occurrence. Under the proposed renewal, the following occurrencebased deductibles would apply: (1) \$25,000 for real estate & personal contents property; (2) \$100,000 for bus collisions; (3) \$250,000 for light rail vehicle collisions; (4) \$250,000 comprehensive coverage on the combined rolling stock (buses and light rail vehicles); and (5) \$1.5 million on roads, bridges, and tunnels. Loss valuation is generally calculated on a replacement cost basis. A substantial part of the current increase is due to MTS adding over \$143M in property assets from last year's renewal to the current one. Some of this is related to the Mid-Coast expansion project. Another reason is due to the general increased trending of all current property values.

Since the latter part of calendar year 2019, the property market has experienced significant hardening resulting in considerable premium increases to all property insurance buyers in both the public and private sectors. The attached "State of the Property Market" correspondence from PRISM's Chief Executive Officer discusses the recent market conditions and contributing factors for the global premium increases. Despite the increase, MTS still saves premium dollars and is afforded lower deductibles overall by insuring its property through PRISM than it would on a stand-alone basis.

/s/ Sharon Cooney **Sharon Cooney** 

Chief Executive Officer

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

Attachments: A. Preliminary Premium Allocations for MTS, SDTC, & SDTI

B. State of the Property Market from PRISM'S Chief Executive Officer

## \*\*\*\*\*\*PRELIMINARY PREMIUM ALLOCATION \*\*\*\*\*\*\*

# PUBLIC RISK INNOVATION, SOLUTIONS, and MANAGEMENT **PROPERTY PROGRAM**

POLICY TERM: March 31, 2021 to March 31, 2022

## SAN DIEGO METROPOLITAN TRANSIT SYSTEM

DATE: February 16, 2021

REASON FOR REVISION OF PREMIUM ALLOCATION: UPDATED R

**UPDATED RENEWAL ESTIMATE** 

2021/2022 TOTAL ANNUAL PREMIUM:

\$37,172

2020/2021 TOTAL ANNUAL PREMIUM:

\$22,438

PERCENTAGE INCREASE (DECREASE) IN ANNUAL

PREMIUM:

65.67%

2021/2022 TOTAL REPORTED INSURABLE VALUES\*

\$69,584,428

2020/2021 TOTAL REPORTED INSURABLE VALUES:

\$57,373,473

PERCENTAGE INCREASE (DECREASE) IN TOTAL INSURED VALUES:

21.28%

- CALCULATIONS -					
COVERAGE DESCRIPTION	DECLARED VALUES	RATE (\$/100)	ANNUAL PREMIUM		
All Risk incl. Flood and Deductible Pool Contribution	\$69,163,670	0.0416	\$28,782		
Terrorism, Boiler & Machinery and Brush Fire (Miscellaneous Other Coverages)			\$5,878		
OPTIONAL COVERAGES:					
A. Earthquake per schedule including Rooftop (if applicable)	\$ 0	0.0000	\$ 0		
B. Licensed Vehicles and Deductible Pool Buy Down     Contribution	\$420,758	0.2845	\$1,197		
Licensed Vehicles above \$250,000 in value	\$ 0	0.0000	\$ 0		
Buses (Part of Coverage B. Licensed Vehicles)	\$ 0	0.0000	\$ 0		
C. Mobile Equipment (Non-highway licensed)	\$ 0	0.0000	\$ 0		
D. Fine Arts (scheduled)	\$ 0	0.0136	\$ 0		
Total Annual Premium			\$35,857		
Estimated Taxes and Fees			\$ 2		
Estimated EIA Administration Fees \$1,24					
School Loss Control Service Fee \$ 0					
*Total Insured Values (TIV) as of January 13, 2021	TOTAL COLLECTIBLE	PREMIUM	\$37,100		

## \*\*\*\*\*\*PRELIMINARY PREMIUM ALLOCATION \*\*\*\*\*\*\*

## PUBLIC RISK INNOVATION, SOLUTIONS, and MANAGEMENT PROPERTY PROGRAM

POLICY TERM: March 31, 2021 to March 31, 2022

## SAN DIEGO METROPOLITAN TRANSIT SYSTEM - SAN DIEGO TRANSIT CORPORATION

2.22%

TOTAL COLLECTIBLE PREMIUM

DATE: February 16, 2021

**INSURED VALUES:** 

\*Total Insured Values (TIV) as of January 13, 2021

UPDATED RENEWAL ESTIMATE REASON FOR REVISION OF PREMIUM ALLOCATION:

\$524.860 2021/2022 TOTAL ANNUAL PREMIUM: \$400.388 2020/2021 TOTAL ANNUAL PREMIUM: PERCENTAGE INCREASE (DECREASE) IN ANNUAL 31.09% PREMIUM: \$252,221,783 2021/2022 TOTAL REPORTED INSURABLE VALUES\*: \$246,755,438 2020/2021 TOTAL REPORTED INSURABLE VALUES: PERCENTAGE INCREASE (DECREASE) IN TOTAL

- CALCULATIONS -RATE **DECLARED VALUES** ANNUAL PREMIUM **COVERAGE DESCRIPTION** (\$/100)\$106,055 All Risk incl. Flood and Deductible Pool Contribution \$87,681,317 0.1210 Terrorism, Boiler & Machinery and Brush Fire (Miscellaneous \$19,442 Other Coverages) **OPTIONAL COVERAGES:** \$ 0 A. Earthquake per schedule including Rooftop (if applicable) \$ 0 0.0000 B. Licensed Vehicles and Deductible Pool Buy Down \$938,612 0.2845 \$2,670 Contribution 0.0000 \$ 0 \$ 0 Licensed Vehicles above \$250,000 in value \$163,601,854 0.2397 \$392,126 Buses (Part of Coverage B. Licensed Vehicles) 0.0000 \$ 0 \$ 0 C. Mobile Equipment (Non-highway licensed) 0.0960 \$ 0 D. Fine Arts (scheduled) \$ 0 Total Annual Premium \$520,293 \$31 Estimated Taxes and Fees \$4,476 Estimated EIA Administration Fees \$ 0 School Loss Control Service Fee

\$524.800

## \*\*\*\*\*\*PRELIMINARY PREMIUM ALLOCATION \*\*\*\*\*\*\*

# PUBLIC RISK INNOVATION, SOLUTIONS, and MANAGEMENT **PROPERTY PROGRAM**

POLICY TERM: March 31, 2021 to March 31, 2022

## SAN DIEGO METROPOLITAN TRANSIT SYSTEM - SAN DIEGO TROLLEY, INC.

DATE: February 16, 2021

REASON FOR REVISION OF PREMIUM ALLOCATION:

UPDATED RENEWAL ESTIMATE

2021/2022 TOTAL ANNUAL PREMIUM:

\$1,427,906

2020/2021 TOTAL ANNUAL PREMIUM:

\$1,084,085

PERCENTAGE INCREASE (DECREASE) IN ANNUAL

. . ---

PREMIUM:

31.72%

2021/2022 TOTAL REPORTED INSURABLE VALUES\*:

\$1,337,908,082

2020/2021 TOTAL REPORTED INSURABLE VALUES:

\$1,212,544,318

PERCENTAGE INCREASE (DECREASE) IN TOTAL INSURED VALUES:

10.34%

INSURED VALUES:					
- CALCULATIONS -					
COVERAGE DESCRIPTION	DECLARED VALUES	RATE (\$/100)	ANNUAL PREMIUM		
All Risk incl. Flood and Deductible Pool Contribution	\$792,698,715	0.0529	\$419,199		
Terrorism, Boiler & Machinery and Brush Fire (Miscellaneous Other Coverages)			\$98,523		
OPTIONAL COVERAGES:					
Earthquake per schedule including Rooftop (if applicable)	\$ 0	0.0000	\$ 0		
B. Licensed Vehicles and Deductible Pool Buy Down     Contribution	\$1,445,567	0.2845	\$4,113		
Licensed Vehicles above \$250,000 in value	\$ 0	0.0000	\$ 0		
Buses (Part of Coverage B. Licensed Vehicles)	\$542,749,400	0.1845	\$1,001,565		
C. Mobile Equipment (Non-highway licensed)	\$1,014,400	0.2243	\$2,275		
D. Fine Arts (scheduled)	\$ 0	0.0207	\$ 0		
Total Annual Premium			\$1,525,675		
Estimated Taxes and Fees			\$ 84		
Estimated EIA Administration Fees			\$12,341		
School Loss Control Service Fee			\$ 0		
*Total Insured Values (TIV) as of January 13, 2021	TOTAL COLLECTIBLE I	PREMIUM	\$1,538,100		

## \*\*\*\*\*\*\*PRELIMINARY PREMIUM ALLOCATION \*\*\*\*\*\*\*

# PUBLIC RISK INNOVATION, SOLUTIONS, and MANAGEMENT **PROPERTY PROGRAM**

POLICY TERM: March 31, 2021 to March 31, 2022

#### **TOTAL**

DATE: February 16, 2021

REASON FOR REVISION OF PREMIUM ALLOCATION:

UPDATED RENEWAL ESTIMATE

2021/2022 TOTAL ANNUAL PREMIUM:

\$1,989,938

2020/2021 TOTAL ANNUAL PREMIUM:

\$1,506,911

2021/2022 TOTAL REPORTED INSURABLE VALUES\*

\$1,659,714,293

2020/2021 TOTAL REPORTED INSURABLE VALUES:

\$1,516,673,229

- CALCULATIONS -					
COVERAGE DESCRIPTION	DECLARED VALUES	RATE (\$/100)	ANNUAL PREMIUM		
All Risk incl. Flood and Deductible Pool Contribution	\$949,543,702		\$554,036		
Terrorism, Boiler & Machinery and Brush Fire (Miscellaneous Other Coverages)			\$123,843		
OPTIONAL COVERAGES:					
A. Earthquake per schedule including Rooftop (if applicable)	\$ 0		\$ 0		
B. Licensed Vehicles and Deductible Pool Buy Down     Contribution	\$2,804,937		\$7,980		
Licensed Vehicles above \$250,000 in value	\$ 0		\$ 0		
Buses (Part of Coverage B. Licensed Vehicles)	\$706,351,254		\$1,393,691		
C. Mobile Equipment (Non-highway licensed)	\$1,014,400		\$2,275		
D. Fine Arts (scheduled)	\$ 0		\$ 0		
Total Annual Premium	·		\$2,081,825		
Estimated Taxes and Fees			\$117		
Estimated EIA Administration Fees \$18,057					
School Loss Control Service Fee			\$ 0		
*Total Insured Values (TIV) as of January 13, 2021	TOTAL COLLECTIBLE	PREMIUM	\$2,100,000		



February 3, 2021

To: Property Program Members

From: Gina Dean, CEO

Re: State of the Property Market

As many of you are aware, the current property insurance market is challenging. I want to take this opportunity to provide some background information on the state of the market and the status of the PRISM Property Program. I have also attached talking points and a one-page information sheet that we hope you will find useful in communicating this reality to the stakeholders within your organization.

## **Background**

Prior to 2017, the property insurance market was in a "soft" market cycle that allowed consumers to take advantage of extremely competitive pricing and expanded terms and conditions. However, beginning in 2017, increases in attritional losses along with historically severe catastrophe claims resulted in carriers collecting insufficient premium to cover the surging claims. In addition, these events have impacted the market's surplus, capacity, and available reinsurance, pushing the industry into a hardening cycle for consumers.

In 2020, PRISM had its highest incurred property claims in the Program's history with about \$77M of losses reported as of January 1, 2021, as compared to an average of \$46M over the last five years. Higher than normal claims can largely be attributed to the wildfires within California, which account for almost 60% of the loss dollars. At the same time, the market continued to sustain significant catastrophe losses along with the additional challenges brought on by the COVID-19 pandemic, and civil unrest. The increased reinsurance costs, aggressive litigation trends, and adverse claim development trends have further aggravated the property market. Carriers have become risk adverse, offering up restricted capacity at increased pricing. Unlike previous hard market cycles, there is not significant new capital entering the market, which would provide the competition needed in order to soften the market.



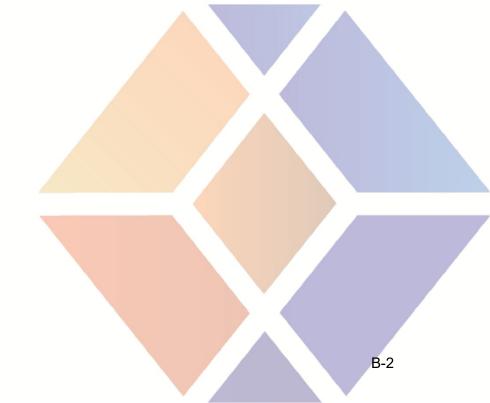
## PRISM's Renewal Strategy

PRISM has always been, and continues to be, proactive in managing the Property Program, which continues to be one of the largest public entity property placements worldwide. Currently, the Program has 110 members and approximately \$80B in total insured values. We have increased marketing efforts in order to secure the best possible outcome for the upcoming Property Program renewal. Additionally, we leverage the sophistication of the Program to explore unique ways in which the captive and the pool layer(s) can improve capacity and pricing within the Program.

The Property Program is currently structured with an aggregated pool and primary insured layer, above which excess layers of coverage are placed. Exposure is allocated among separate "towers" to diversify the risk geographically and by building type. The unique structure of the Program and its risk sharing features have afforded members higher loss limits, reduced costs, and coverage stability.

Because of the model we have built, our Property Program will fare better than the market and certainly better than for public agencies trying to endure a hard market on their own. However, members should still expect rates to increase based on the trends, capacity within the industry, and the Property Program's experience last year.

If we have learned from history, we know that joint powers authorities (self-insurance pooling) have been the answer to turbulent markets. By staying the course, we will all benefit from our economies of scale, our partnership with markets, and our sharing of best practices to help manage risk.



## **Talking Points for the Property Market**

- Industry catastrophe loss experience. The property market has been challenging for the last several years as the industry has experienced unprecedented losses including the devastating wildfires that have impacted California.
  - Worldwide, 2017 was the worst year for natural catastrophe losses in history. The main driver of this was losses associated with Hurricanes Harvey, Irma, and Maria (HIM). Insured losses for these hurricanes exceeded \$100 Billion dollars.
  - 2018 was the third most costly year for natural catastrophe losses in history. Losses spanned many different types of catastrophes including hurricanes, wildfires, severe flooding in the Midwest, and increased frequency and severity of convective storms (hail and tornado). California and the PRISM Property Program have experienced unprecedented wildfire activity. In the last several years, we have seen the largest, deadliest, and costliest wildfires in our state's history. Seven of the largest wildfires in our history have occurred in the last 3 years.
    - Largest fire: August Complex Fire, August 2020 over 1,000,000 acres burned. Total insured losses for the Northern California wildfires of 2020 are currently estimated at \$5 \$9 Billion.
    - Deadliest fire: Camp fire, November 2018 nearly 19,000 structures destroyed and 85 lives lost. Total insured losses are estimated at \$10.2 Billion dollars.
    - Costliest fire(s): In the last three years, the top five most destructive California wildfires have occurred: Camp Fire, Tubbs Fire, Woolsey Fire, Atlas Fire, and Thomas Fire. Total insured losses associated with these fires is expected to exceed \$30 Billion dollars.
  - 2020 was the fifth costliest on record for insured catastrophe losses and is currently estimated at \$83 Billion in insured losses. This is in addition to the COVID-19 pandemic, unprecedented civil unrest, and adverse loss development.
- Industry attritional loss experience. In addition to the large natural catastrophe losses, the size and frequency of "attritional" or non-catastrophe related claims

such as fire and water damage has also been growing. This is seen as an industrywide trend and is also taking place within the PRISM Program.

 Member rates will increase in 2021. The degree of rate increase to each individual member will vary within an established range dependent upon your entity's claims experience. Member allocation also takes into account the unique exposures of each entity including the types of property being insured and exposure to natural catastrophes.

Members with minimal or no losses in the last five years can expect to be on the lower end of the range. Those who have experienced claims in the last five years will be on the higher end of the range, but will benefit in the security of being part of a pool. Shopping as an individual entity with large losses is extremely difficult, especially in California.

- PRISM's Property Program size is an advantage. A positive for PRISM
  members is that the size of the Property Program creates stability and offers
  economies of scale that could not be realized without being in a large pool.
  Because of its size, we are able to leverage the volume of capacity we purchase
  to benefit all Program members.
- Relationship advantages. PRISM has long-standing relationships with carriers worldwide, which result in better renewal offerings.
- PRISM ARC (our Captive). PRISM has always been proactive in managing the Property Program and our approach to making funding decisions. We are one of the few self-insurance groups in the nation that have the size required to form our own captive insurance company. The captive is used to benefit from the increased opportunities for investment income and expanding coverage available within the Program.
- Pools have an advantage in challenging markets. If we have learned from
  history, we know that joint powers authorities (self-insurance pooling) have been
  the answer to turbulent markets. By staying the course, we will all benefit from our
  economies of scale, our leverage in the insurance markets, and our sharing of best
  practices to help manage risk.

# PROPERTY MARKET OVERVIEW B, Hepro 2021 imes

Unprecedented world events, in tandem with carriers not turning a profit, has resulted in the market remaining hard. Prior to 2020, rate increases were largely tied to a soft market correction while factoring in increased attritional loss and adverse catastrophe loss development. In 2020 the pandemic, social unrest, rising reinsurance costs, financial market volatility, global recession, and more frequent and severe catastrophes have greatly exacerbated the situation.

## **PRISM Wildfire Losses (in millions)**



Despite increased wildfire claim activity within the program, no single claim has exceeded the primary layer.

## **PRISM Benefits**



creates stability and allows for economies of scale.



PRISM has the benefit of longstanding carrier relationships worldwide which results in better renewal offerings.



PRISM's proactive approach allows for unique and sophisticated funding solutions through utilization of their captive. PRISM ARC.

Reduced
Capacity & higher
pricing

Carrier Risk Aversion

COVID-19 & Social Unrest

Carriers are Unprofitable

More Frequent Catastrophes

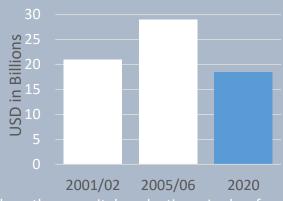
Soft Market Pricing

Unlike previous hard markets, restricted capacity offered by carriers is a result of

The top 7 most destructive wildfires in California have happened in the last 3 years

Insured catastrophe losses in 2020, fifth costliest on record

New Capital Raised following shock events



reduced appetite rather than capital reduction. Lack of significant new capital flowing into the market (which would help drive competition) points to a sustained hard market.

