



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 BOARD OF DIRECTORS

September 12, 2019

9:00 a.m.

James R. Mills Building  
Board Meeting Room, 10th Floor  
1255 Imperial Avenue, San Diego

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. Assistive Listening Devices (ALDs) are available from the Clerk of the Board/Assistant Clerk of the Board prior to the meeting and are to be returned at the end of the meeting. Live audio streaming of the MTS Board of Directors meetings can be accessed at the following link: <https://www.sdmts.com/boardroom-stream>.

### ACTION RECOMMENDED

1. Roll Call
2. [Approval of Minutes – July 25, 2019](#) Approve
3. Public Comments - 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

1255 Imperial Avenue, Suite 1000, San Diego, CA 92101-7490 • (619) 231-1466 • [www.sdmts.com](http://www.sdmts.com)

Metropolitan Transit System (MTS) is a California public agency comprised of San Diego Transit Corp., San Diego Trolley, Inc. and San Diego and Arizona Eastern Railway Company (nonprofit public benefit corporations). MTS is the taxicab administrator for seven cities.

MTS member agencies include the cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and the County of San Diego.



## CONSENT ITEMS

6. [Zero Emission Bus \(ZEB\) Chargers Engineering Services – Phase 1 – Work Order Amendment](#) Approve  
Action would: (1) Ratify Work Order WOA1947-AE-23 to MTS Doc. No. G1947.0-17, with HDR Engineering, Inc. (HDR), in the amount of \$93,624.30; and (2) Authorize the Chief Executive Officer (CEO) to execute Amendment No. 1 to Work Order WOA1947-AE-23, with HDR, in the amount of \$17,647.68 for Design Services for Zero Emission Bus (ZEB) Chargers – Phase 1. The new total value of the Work Order shall not exceed \$111,271.98.
7. [Investment Report – Quarter Ending June 30, 2019](#) Informational
8. [Middletown Double Crossover Project – Design Services for Bid Support and During Construction – Work Order Amendment](#) Approve  
Action would: (1) Ratify Work Order Amendment No. 3 to Work Order WOA1953-AE-11 under MTS Doc. No. G1953.0-17 with Pacific Railway Enterprises, Inc. (PRE) totaling \$47,548.11 for general engineering services during the construction contract bidding process; and (2) Authorize the Chief Executive Officer (CEO) execute Amendment No. 4 to Work Order WOA1953-AE-11 under MTS Doc. No. G1953.0-17 PRE in the amount of \$256,690.73 for design services during construction.
9. [Compressed Natural Gas \(CNG\) Fueling Facility Operations and Maintenance Services – Contract Amendment](#) Approve  
Action would authorize the Chief Executive Officer (CEO) to execute Amendment No. 5 to MTS Doc. No. B0522.0-09 with Trillium USA (Trillium) in the amount of \$246,200.00 for a CNG dryer replacement not covered under the original contract amount. The new total value of the contract shall not exceed \$18,642,699.95.
10. [Roadway Worker Early Warning Alarm Electronic Devices – Contract Award](#) Approve  
Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. L1509.0-19, to Miller Ingenuity, for Roadway Worker Early Warning Alarm Electronic Devices, in the amount of \$ \$633,122.84.
11. [San Diego State University \(SDSU\) Variable Frequency Drives \(VFD\) Replacement – Contract Award](#) Approve  
Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWL283.0-19 with NEWest Construction for the replacement of four (4) VFDs at the SDSU Trolley Station, in the amount of \$477,350.00.
12. [Enterprise Storage Refresh – Contract Award](#) Approve  
Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. G2282.0-19, with Nth Generation Computing, Inc. for the Enterprise Storage Refresh in the amount of \$731,867.40.
13. [Imperial Avenue Division Zero Emission Bus Charger Installation Phase I – Change Orders 2 – 10](#) Approve  
Action would: (1) Ratify MTS Doc. No. PWB268.2-19 (Construction Change Orders 3 through 5) with Alvarez & Shaw totaling \$96,284.28, for ZEB Charger Installation Phase I Project; and (2) Authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWB268.3-19 for Change Orders 2 and 6 through 10, with Alvarez & Shaw, for \$72,990.26.

- |     |   |         |
|-----|---|---------|
| 14. | <a href="#"><u>Trapeze Software License and Maintenance Support Renewal – Sole Source Amendment</u></a><br>Action would authorize the Chief Executive Officer (CEO) to execute Amendment No. 1 to MTS Doc. No. G2253.1-19 with Trapeze Software Group, Inc. to purchase three (3) Trapeze modules PASS-Web, PASS IVR, and EZ-Wallet for MTS Access, for a total amount of \$586,783.00. | Approve |
| 15. | <a href="#"><u>Google Web Mapping Service – Issuance of Purchase Order</u></a><br>Action would authorize the Chief Executive Officer (CEO) to issue a Purchase Order to Google, Inc. for the purchase of Web-based mapping services in a not to exceed amount of \$600,000 for five years.  | Approve |
| 16. | <a href="#"><u>Zero-Emission Bus (ZEB) Pilot Project: 40-Foot Low-Floor Electric Buses – Issuance of Purchase Order to Gillig, LLC</u></a><br>Action would authorize the Chief Executive Officer (CEO) to issue a Purchase Order to Gillig, LLC for the purchase of two (2), 40-foot, Low-Floor Electric, Battery-Powered buses in the amount of \$2,010,548.40.                        | Approve |
| 17. | <a href="#"><u>Transportation Development Act (TDA) Capital Reserves Funds for Transit-Related Projects (University Avenue Bus Lane Pavement Rehabilitation – City of La Mesa)</u></a><br>Action would approve the use of \$718,640 in TDA funds to fund the City of La Mesa’s University Avenue Bus Lane Pavement Rehabilitation capital project.                                      | Approve |

#### CLOSED SESSION

- |     |  |                 |
|-----|--|-----------------|
| 24. | a. CLOSED SESSION – CONFERENCE WITH LABOR NEGOTIATORS<br>Pursuant to California Government Code Section 54957.6<br><u>Agency:</u> San Diego Transit Corporation (SDTC)<br><u>Employee Organization:</u> International Brotherhood of Electrical Workers, Local 465 (Representing SDTC Mechanics and Servicers)<br><u>Agency-Designated Representative:</u> Jeff Stumbo | Possible Action |
|     | b. CLOSED SESSION – CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION Pursuant to California Government Code Section 54956.9(d)(1)<br>Augustino vs. San Diego Metropolitan Transit System, et al. San Diego Superior Court Case No. 37-2018-00009620-CU-OE-CTL   | Possible Action |

#### NOTICED PUBLIC HEARINGS

25. None.

#### DISCUSSION ITEMS

30. None.

#### REPORT ITEMS

- |     |  |               |
|-----|--|---------------|
| 45. | <a href="#"><u>Trolley Connection to San Diego International Airport Evaluation Update (Heather Furey, Wayne Terry, and Mott MacDonald Representative)</u></a> | Informational |
| 46. | <a href="#"><u>Desert Line Binational Railroad Project – Status Update (Karen Landers)</u></a>   | Informational |

47. [Comic-Con 2019 Recap \(Rob Schupp and Tom Doogan\)](#) Informational

OTHER ITEMS

59. [Elevate SD 2020 Update](#) Informational
60. [Chair Report](#) Informational
61. [Chief Executive Officer's Report](#) Informational
62. [Board Member Communications](#) Informational
63. [Additional Public Comments Not on the Agenda](#)  
If the limit of 5 speakers is exceeded under No. 3 (Public Comments) on this agenda, additional speakers will be taken at this time. If you have a report to present, please furnish a copy to the Clerk of the Board. Subjects of previous hearings or agenda items may not again be addressed under Public Comments.
64. [Next Meeting Date:](#) October 10, 2019
65. [Adjournment](#)

MEETING OF THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM  
BOARD OF DIRECTORS  
1255 Imperial Avenue, Suite 1000  
San Diego, CA 92101

DRAFT MINUTES

July 25, 2019

[Clerk's note: Except where noted, public, staff and board member comments are paraphrased].

1. Roll Call

Chair Gomez called the Board meeting to order at 9:03 a.m. A roll call sheet listing Board member attendance is attached.

2. Approval of Minutes

Ms. Moreno moved to approve the minutes of the June 13, 2019, MTS Board of Directors meeting. Ms. Montgomery seconded the motion, and the vote was 13 to 0 in favor with Mr. Arapostathis and Mr. Hall absent.

3. Public Comments

*Martha Welch* – Ms. Welch commented about the lack of bus benches throughout the system. She commented about union versus non-union transit employees. Ms. Welch stated that the Blue Line Trolley will sometimes run three old trolley vehicles instead of the new models.

*Conner Boggan* – Mr. Boggan commented about Youth Compass Cloud passes. He stated that youth transit fares are not available on Compass Cloud unless you go to the Transit Store for verification. Mr. Boggan requested for MTS to change this policy in order to make it easier for youth to access transit passes on their Compass Cloud phone application. He stated that more youth are likely to ride transit if it is easier to obtain a fare on their smart phones.

*Lorraine Leighton* – Ms. Leighton commented about issues with East County, South Bay and First Transit bus drivers. She stated that some of the drivers will not put the bus ramp down for her when she enters the bus. Ms. Leighton claims that some of the drivers say she is not disabled. She stated that these issues need to be resolved or she will take them to court.

CONSENT ITEMS

6. Fiscal Year 2019-2020 California Senate Bill (SB) 1 State of Good Repair (SGR) Funding  
Action would approve Resolution No. 19-8, in order to authorize the use of, and application for, \$4,573,191 in fiscal year 2019-20 State of Good Repair funding to be used for the 60-foot NABI Bus Replacement Project.
7. Revisions to MTS Policy No. 26, "Disadvantaged Business Enterprise Program"  
Action would approve revisions to MTS Policy No. 26, "Disadvantaged Business Enterprise Program".

8. Clarifier Waste Services – Contract Award

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWG277.0-19 with Asbury Environmental Services (“Asbury”), dba World Oil Environmental Services, for the provision of Clarifier Waste Services, for five years beginning November 10, 2019, for \$385,895.35.

9. Parking Lot Sweeping Services – Contract Award

Action would authorize the Chief Executive Officer (CEO) to execute MTS Doc. L1503.0-19, with San Diego Sweeping Service for the provision of parking lot sweeping services for a three (3) year base period and two (2) one-year optional terms exercisable at MTS’s sole discretion, for a total of five years. The total cost shall not exceed \$201,900 for the base and option years.

10. Creative / Marketing / Branding On Call Services – Contract Amendment

Action would authorize the Chief Executive Officer (CEO) to ratify Amendment No. 1 (\$99,000) and execute Amendment No. 2 to G2053.0-18 (in substantially the same format as Attachment A) with Civilian, Inc. (Civilian) in the amount of \$1,803,000. The amendment will allow for additional on-call service hours, to include advertising and media buying services, as well as exercise all option years (\$104,050.00). The original board approval amount of \$491,150.00 will increase to a not to exceed amount of \$2,006,050.

11. Increased Authorization for Legal Service Contracts to Pay the Projected Expenses in Fiscal Year 2020

Action would authorize the Chief Executive Officer (CEO) to execute amendments to the legal services contracts described herein, increasing the dollar amount of six (6) legal services contracts by \$675,000.00 to cover anticipated fiscal year 2020 (FY20) expenses.

12. Janitorial Services – Contract Amendment

Action would authorize the Chief Executive Officer (CEO) to ratify Amendments 1 through 8 and execute Amendment No. 9 to MTS Doc. No. G1931.0-16 with NMS Management Inc., a Disadvantaged Business Enterprise (DBE), in the amount of \$171,057.07, for janitorial services not covered under the original contract amount.

13. Amendment No. 1 to Moovel Agreement for Mobile Ticketing Services

Action would authorize the Chief Executive Officer (CEO) to execute an amendment to MTS Doc. No. G1818.0-15 with Moovel North America, LLC in the amount of \$217,500 to expand services to include “FareShare” for the remaining base term through March 31, 2020 and any option years (4/1/20 to 3/31/23) exercised thereafter.

14. Employee Benefits Broker/Consulting Services – Contract Award

Action would execute MTS Doc. No. G2233.0-19 in the amount of \$838,069.75 with Alliant Insurance Services, Inc. (Alliant) for the provision of employee benefits broker/consulting services for a three-year base period with 5 one-year option terms (for a total of 8 years); and exercise each option year at the CEO’s discretion.

15. Task Order Contract Approval to Develop Conceptual Designs for America Plaza Pedestrian Enhancements

Action would authorize the Chief Executive Officer (CEO) to execute Work Order WOA1951-AE-29 to MTS Doc. No. G1951.0-17 with Mott MacDonald in the amount of \$160,456.80 to develop a conceptual design for pedestrian enhancements to the America Plaza Trolley Station area.

## BOARD COMMENTS – CONSENT ITEMS

Mr. Ward requested to pull consent item 10.

Ms. Moreno commented that she previously had questions on consent items 11 and 14, but staff answered her questions prior to the meeting. She appreciated the clarification provided to her by MTS staff and moved to approve the slate of consent items.

### Action on Recommended Consent Items, excluding Consent Item 10

Ms. Moreno moved to approve Consent Agenda Item Nos. 6 – 15, excluding Consent Item 10. Mr. Sandke seconded the motion, and the vote was 14 to 0 in favor with Mr. Hall absent.

## BOARD COMMENTS – CONSENT ITEM 10

Mr. Ward inquired about the scope of work for consent item number 10. He asked if the goals referenced in the scope of work have been defined for purposes of this contract. Rob Schupp, Director of Marketing and Communications, replied that we will have well defined goals for all of our projects. He stated that the goals have not been defined yet, but they will be as projects develop.

Mr. Sandke asked if it was okay to combine general marketing services and Elevate SD 2020 marketing services together under the same contract. Mr. Schupp replied that it is appropriate to have these items under the same contract. He noted that the underlying goal is to provide a strong message to the public about MTS and its services.

### Action on Recommended Consent Item 10

Mr. Ward moved to approve Consent Item No. 10. Mr. Sandke seconded the motion, and the vote was 14 to 0 in favor with Mr. Hall absent.

## NOTICED PUBLIC HEARINGS

25. None.

## DISCUSSION ITEMS (TAKEN BEFORE CLOSED SESSION)

### 30. Revisions to MTS Board Policy No. 18, “Joint Development Program” (Sharon Cooney)

Sharon Cooney, Chief of Staff, provided a presentation on the proposed revisions to MTS Board Policy No. 18, “Joint Development Program”. She reviewed the recent actions associated with Policy No. 18. The policy was revised in October 2018 to provide direction to staff on how to gain best use of MTS owned property. Then in June 2019, the Board Chair directed staff to return with two potential revisions: applying prevailing wage to private developments on MTS property; and requiring same use of skilled and trained labor as applies to MTS. Ms. Cooney noted that these proposed revisions are included in the updated draft policy today. She asked the Board for comments and questions.

## PUBLIC COMMENTS

*Mike Magallanes* – Mr. Magallanes commented on behalf of the Southwest Regional Council of Carpenters. He stated that they are supportive of the new revisions to Policy No. 18.

*Murtaza Baxamusa* – Mr. Baxamusa commented on behalf of the San Diego Building Trades Family Housing. He stated that they are supportive of the changes to Policy No. 18.

*Eric Christen* – Mr. Christen commented on behalf of the Coalition for Fair Employment in Construction. He stated that they oppose the revisions being proposed to Policy No. 18. Mr. Christen stated that these changes are being pushed forward by labor interest groups and will favor project labor agreements.

*Carol Kim* – Ms. Kim commented on behalf of the San Diego Building Trades. She stated that they support the proposed amendments to Policy No. 18.

*Gretchen Newsom* – This speaker was not present.

*Kelvin Barrios* – Mr. Barrios commented on behalf of Laborers Local 89. He stated that they support the amendments to Policy No. 18.

*Micah Mitrosky* – Ms. Mitrosky commented on behalf of IBEW 569. She stated that they are in full support of the changes being proposed to Policy No. 18.

## BOARD COMMENTS

Mr. McClellan commented that he would not be supporting the item today, because he believes the jobs should be awarded to the lowest possible bidder.

Ms. Frank stated that this new policy language incentivizes project labor agreements, which hinder fair competition and drive up costs. She stated that these costs are already inflated due to overregulation and prevailing wage. Ms. Frank commented that these changes are the first step in the potential future requirement of project labor agreements for all projects. She stated that she cannot support this action today.

Ms. Galvez stated that she believes that this policy amendment will help provide the highest quality construction for developments going forward.

Mr. Cox commented that he is in favor of having a skilled and trained workforce develop these projects, however he is also aware of non-union workers that are very well trained and skilled, but may not meet the definition required in this policy. He stated that he will be voting against the proposed amendments today, because the policy seems to be favoring the push towards project labor agreements.

Ms. Aguirre commented that she supports the proposed amendments to Policy No. 18.

Ms. Rios stated that she will also be supporting the proposed amendments to Policy No. 18.

Chair Gomez commented that she is supportive of the proposed amendments. She stated that it is important to have these requirements to provide prevailing wages to workers and require



skilled and trained workforces to work on these developments. Chair Gomez thanked staff for bringing this item forward for approval.

Action Taken

Ms. Aguirre moved to approve the proposed revisions to MTS Board Policy No. 18, “Joint Development Program”. Ms. Salas seconded the motion, and the vote was 10 to 4 in favor with Mr. Cox, Ms. Frank, Mr. McClellan and Mr. Sandke voting no, and Mr. Hall absent.

31. Security Contract Amendment (Manny Guaderrama)

Manny Guaderrama, MTS Chief of Police, provided a presentation on the proposed Security Contract Amendment. He reviewed the details of the current security contract with Allied Universal, as well as the previous amendments to the contract. Mr. Guaderrama discussed the current contract issues, which include keeping positions fully staffed and paying the armed officers competitive wages. He discussed the proposed amendment to the contract, which would increase the pay for armed officers and supervisors. Mr. Guaderrama noted that if Allied Universal does not adhere to the minimum staffing levels, they will pay MTS penalty fees. He also stated that the total estimated cost of this amendment would not exceed \$1,980,114. Mr. Guaderrama discussed the next steps to prepare for a new competitive Request for Proposals (RFP) for Security Services. He stated that the current contract will expire in June 2021, however the new RFP process will begin in early 2020.

PUBLIC COMMENTS

*Jonathan Castillo & Steve Fiechter* – Mr. Castillo and Mr. Fiechter commented on behalf of PATH. They discussed the pilot program underway with PATH and Los Angeles METRO. They stated that they are working with Los Angeles METRO to help provide services to the homeless population. Mr. Castillo noted that since 2013, they have connected more than 7,500 people to permanent housing. They stated that they would be happy to meet with MTS staff to discuss potential future partnerships in the San Diego region.

*Emily Howe* – Ms. Howe commented on behalf of Think Dignity. She stated that they have concerns about the security contract. Ms. Howe commented that they have concerns with security leadership and how resources are being allocated to security services. She stated that they have issues with the behavior of security officers towards the homeless population. Ms. Howe commented that extra funding should be used to help these populations rather than contributing to criminalization by issuing fare citations.

BOARD COMMENTS

Mr. Arapostathis commented that he wants to ensure that the officers hired are sufficiently trained in proper use-of-force and de-escalation trainings.

Ms. Aguirre asked about the cost of the PATH pilot program. Mr. Castillo and Mr. Fiechter responded that it would cost approximately \$1.2 million, based on the Los Angeles METRO program. They noted that all of the partnerships can be customized to the specific region and their needs.

Mr. Cox inquired if the PERT teams are accessible to MTS. Mr. Guaderrama replied that they will help when requested, but they also have a lot of issues they are dealing with outside of our area and don't always have enough resources. Mr. Cox stated that the County recently increased the number of PERT teams for the County, so that may be another positive resource for the region.

Ms. Montgomery stated that she would like to see MTS invest in homeless outreach in partnership with County and City services. She stated that she is interested in scheduling the Public Security Committee meeting as soon as possible. Ms. Montgomery stated that she appreciated the work of the security officers this past weekend during Comic Con. She commented that she observed security officers using respect and discretion with riders. Ms. Montgomery also stated that she would like to look at making amendments to MTS Board Policy No. 5.

Ms. Salas commented that she is supportive of the recommendation today. She stated that it is important to have well-paid security officers to ensure effective officers are retained long term. Ms. Salas stated that having a high quality security team will help attract new and choice riders on the system. She also recommended looking into utilizing state funds that MTS could access for homeless outreach programs.

Mr. Ward commented that he has concerns with utilizing a private security firm for our armed security officers. He stated that this lessens our accountability and ability to respond to issues on our system. Mr. Ward asked who the contracted security officers are accountable to when use of force is used. Mr. Guaderrama replied that they are accountable to both MTS and their own company. Mr. Guaderrama noted that MTS has the authority to remove any contracted security officer from the system that is not fit for the job. Mr. Ward stated that he has seen reports of the private security using aggressive behavior with MTS riders, particularly with homeless people and persons of color. He asked what the cost-benefit analysis is in relation to spending money to keep our revenue high with a low likelihood of additional compliance. Mr. Ward commented that it may be beneficial to use these resources towards enhancing outreach for homeless and low-income populations. He requested that PATH be given an invitation to come make a full presentation to the Board at a future meeting regarding its outreach services. Mr. Ward also requested for staff to look into amendments for Policy No. 5.

Ms. Salas requested staff to provide a list and report of security-related complaints they have received.

Chair Gomez asked about the process for the next RFP for this contract. Ms. Landers explained the RFP process and timeline. She noted that the scope of work would be released around May or June 2020 and that would be developed with the help of the Public Security Committee. Ms. Landers stated that the goal will be to have a new contract awarded by February 2021.

Ms. Aguirre commented that she is supportive of the idea of restructuring this contract. She stated that she would like to see improvements made to the security standards going forward.

#### Action Taken

Ms. Montgomery moved to authorize the Chief Executive Officer (CEO) to execute Amendment Number 6 to MTS Doc. No. G1828.0-15, with Allied/Universal dba Transit Systems Security, in

the amount of \$1,980,114 for the provision of security services. Ms. Salas seconded the motion, and the vote was 13 to 1 in favor with Mr. Ward voting no and Mr. Hall absent.

#### REPORT ITEMS (TAKEN BEFORE CLOSED SESSION)

45. Zero Emission Bus Pilot Program Update (Mike Wygant)

Mike Wygant, Chief Operating Officer – Transit Services, provided an update on the Zero Emission Bus (ZEB) Pilot Program. He discussed the details of the Innovative Clean Transit (ICT) Rule passed in December 2018 by the California Air Resources Board. He reviewed the history of the ZEB pilot program; Battery Electric Bus (BEB) procurement; charging infrastructure for Phase 1; charging infrastructure for Phase 2; ZEB pilot program training; and ZEB pilot program costs. Mr. Wygant discussed the Transit and Intercity Rail Capital Program (TIRCP) Route 925 Project in South Bay. He also reviewed next steps going forward in the program.

Steve Clermont, with Center for Transportation and the Environment (CTE), continued the presentation and provided an update on their progress with this pilot program. He reviewed their scope of work and progress related to the ZEB Pilot Program.

Ms. Galvez asked where the charging station would be on Route 925. Mr. Wygant replied that the location of the charging station has not been determined yet, but they know it will be at one of the transit stops on the route.

#### Action Taken

No action taken. Informational item only.

46. South Bay Feeder Bus Service Community Outreach Plan (Edgar Torres with Kimley-Horn)

Denis Desmond, Director of Planning, introduced Edgar Torres with Kimley-Horn. Mr. Torres provided a presentation on the South Bay Feeder Bus Service Community Outreach Plan. He reviewed the outreach approach; MetroQuest platform; public meetings and popup events; and community groups. Mr. Torres discussed the coordinated effort with MTS and the schedule going forward.

Ms. Aguirre thanked staff and Kimley-Horn for providing this presentation. She stated that her focus is on meaningful engagement. She asked about the flexibility in the strategies that they are going to use for the outreach and popup events. Mr. Torres replied that they are flexible in determining the popup event locations.

Ms. Moreno commented that it is very important to reach as many members of the public as possible for this outreach and recommended utilizing the Board Members for help in the outreach.

Chair Gomez thanked staff and Kimley-Horn for presenting on this item. She encouraged Kimley-Horn to utilize the recommendations that Board Members have provided today.

Ms. Rios commented that she agrees how important it is to hold these types of outreach events for communities and residents.

Action Taken

No action taken. Informational item only.

47. Operations Budget Status Report for May 2019 (Mike Thompson)

Mike Thompson, Director of Financial Planning and Analysis, provided a brief update on the operations budget status for May 2019. He noted that we are on plan through the first 11 months of the year against the amended budgets and we are expected to come in ahead of plan for the full year.

Action Taken

No action taken. Informational item only.

59. Elevate SD 2020 Update

Mr. Jablonski stated that since the last report staff has attended seven community events every weekend. He stated that the communities have been very responsive to our efforts. MTS has held 10 community forums with the next forum in Barrio Logan on July 30. Mr. Jablonski thanked the Board Members who have attended the forums. He stated that there are three more community events to attend in August and they will also be launching a survey tool online for the public to participate.

60. Chair Report (TAKEN BEFORE CLOSED SESSION)

There was no Chair report.

61. Chief Executive Officer's Report (TAKEN BEFORE CLOSED SESSION)

There was no Chief Executive Officer report.

62. Board Member Communications (TAKEN BEFORE CLOSED SESSION)

There were no Board Member Communications.

63. Additional Public Comments on Items Not on the Agenda (TAKEN BEFORE CLOSED SESSION)

There were no additional public comments.

CLOSED SESSION – PUBLIC COMMENT

*Mitchel Beauchamp* – Mr. Beauchamp commented that he would like the Board to look at what is going on with the current contractor for the Desert Line. He stated that the Board should properly vet the contractors. He also recommended MTS selling the Desert Line. Mr. Beauchamp's full written comments were provided to the Board Members and are included in the final meeting packet.

CLOSED SESSION

24. Closed Session Items

The Board convened to Closed Session at 11:05 a.m.

- a. CLOSED SESSION – CONFERENCE WITH REAL PROPERTY NEGOTIATORS Pursuant to California Government Code Section 54956.8  
Property: The San Diego and Arizona Eastern Railway Company (SD&AE) Desert Line from approximate Mile Post 60 to approximate Mile Post 130 (Division to Plaster City) in San Diego and Imperial Counties  
Agency Negotiators: Paul Jablonski, Chief Executive Officer; Karen Landers, General Counsel; and Tim Allison, Manager of Real Estate Assets  
Negotiating Parties: Baja California Railroad, Inc. (BJRR)  
Under Negotiation: Price and Terms of Payment under Desert Line Lease and Operating Agreement  
CLOSED SESSION – CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION Pursuant to California Government Code Section 54959.9(d)(4) (One potential case)

The Board reconvened to Open Session at 11:20 a.m.

Oral Report of Final Actions Taken in Closed Session

Karen Landers, General Counsel, reported the following:

- a. The Board received a report and gave instructions to negotiators.

64. Next Meeting Date

The next regularly scheduled Board meeting is August 22, 2019. (Clerk's note: this meeting is pending cancellation).

65. Adjournment

Chair Gomez adjourned the meeting at 11:21 a.m.

Filed by:

Approved as to form:

---

Clerk of the Board  
San Diego Metropolitan Transit System

---

General Counsel  
San Diego Metropolitan Transit System

Attachment: Roll Call Sheet

SAN DIEGO METROPOLITAN TRANSIT SYSTEM  
BOARD OF DIRECTORS  
ROLL CALL

MEETING OF (DATE): July 25, 2019

CALL TO ORDER (TIME): 9:03 a.m.

RECESS: \_\_\_\_\_

RECONVENE: \_\_\_\_\_

CLOSED SESSION: 11:05 a.m.

RECONVENE: 11:20 a.m.

PUBLIC HEARING: \_\_\_\_\_

RECONVENE: \_\_\_\_\_

ORDINANCES ADOPTED: \_\_\_\_\_

ADJOURN: 11:21 a.m.

BOARD MEMBER	(Alternate)	PRESENT (TIME ARRIVED)	ABSENT (TIME LEFT)
AGUIRRE	<input checked="" type="checkbox"/> (Spriggs) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
ARAMBULA	<input checked="" type="checkbox"/> (Mendoza) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
ARAPOSTATHIS	<input checked="" type="checkbox"/> (Weber) <input type="checkbox"/>	9:10 a.m.	11:21 a.m.
FAULCONER	<input type="checkbox"/> (Moreno) <input checked="" type="checkbox"/>	9:00 a.m.	11:10 a.m.
FLETCHER	<input type="checkbox"/> (Cox) <input checked="" type="checkbox"/>	9:00 a.m.	10:40 a.m.
FRANK	<input checked="" type="checkbox"/> (Mullin) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
GALVEZ	<input checked="" type="checkbox"/> (Diaz) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
GOMEZ	<input checked="" type="checkbox"/> (Campbell) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
HALL	<input type="checkbox"/> (McNelis) <input type="checkbox"/>		
MCCLELLAN	<input checked="" type="checkbox"/> (Goble) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
MONTGOMERY	<input checked="" type="checkbox"/> (Bry) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
RIOS	<input checked="" type="checkbox"/> (Sotelo-Solis) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
SALAS	<input checked="" type="checkbox"/> (Diaz) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
SANDKE	<input checked="" type="checkbox"/> (Donovan) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.
WARD	<input checked="" type="checkbox"/> (Kersey) <input type="checkbox"/>	9:00 a.m.	11:21 a.m.

SIGNED BY THE CLERK OF THE BOARD:

Julia Tuer

CONFIRMED BY THE GENERAL COUNSEL:

Coner Cona



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

September 12, 2019

#### SUBJECT:

ZERO EMISSION BUS (ZEB) CHARGERS ENGINEERING SERVICES - PHASE 1 -  
WORK ORDER AMENDMENT

#### RECOMMENDATION:

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

- 1) Ratify Work Order WOA1947-AE-23 to MTS Doc. No. G1947.0-17 (Attachment A), with HDR Engineering, Inc. (HDR), in the amount of \$93,624.30; and
- 2) Authorize the Chief Executive Officer (CEO) to execute Amendment No. 1 to Work Order WOA1947-AE-23 (in substantially the same format as Attachment B), with HDR, in the amount of \$17,647.68 for Design Services for Zero Emission Bus (ZEB) Chargers – Phase 1. The new total value of the Work Order shall not exceed \$111,271.98.

#### Budget Impact

The new total value of the Work Order shall not exceed \$111,271.98. The Work Order and Amendment is funded under Capital Improvement Program (CIP) budget number 1001105501 – ZEB Pilot Program – Design.

#### DISCUSSION:

In continued efforts to reduce carbon emissions in San Diego, the MTS Board of Directors unanimously approved the implementation of a ZEB pilot program. Part of the pilot program includes the purchase of six (6) 40-foot electric buses from New Flyer and options to purchase twelve (12) depot chargers. Purchase of two (2) additional 40-foot electric buses from a second manufacturer, Gillig, LLC, is proposed for the Board's approval today (AI 16).





The ZEBs will be utilized on existing routes throughout San Diego. The pilot program will allow MTS to analyze vehicle performance, challenges and capabilities. Staff will also analyze characteristics such as route profiles, passenger loads, operator performance, and battery capacity. In order to run the buses, depot chargers need to be installed to recharge the buses overnight.

The IAD ZEB Phase I Charger Installation Project consists of the installation of six (6) charging stations at the IAD facility with related new electrical service, an SDG&E meter, transformer, switchgear, related underground conduit and conductors. Six (6) additional chargers will be installed at other locations during Phase II of the project. Construction of the IAD ZEB Phase I Charger Installation Project is underway. Change orders related to the construction contract are proposed for the Board's approval today (AI 13).

Under Board Policy No. 41.4.4, the CEO has authority to approve contracts and change orders up to \$100,000. Any contracts or change orders that cumulatively exceed \$100,000 must be approved by the Board. On August 2, 2018, under the CEO's authority, MTS contracted with HDR (Work Order WOA1947-AE-23) for the engineering services to prepare plans, specifications and a construction cost estimate for the IAD ZEB Phase I Charger Installation Project at a cost of \$93,624.30 (Attachment A). The Work Order also included geotechnical engineering support for the underground work, concrete paving including subgrade compaction testing, and testing of concrete cylinders for compressive strength.

Amendment No. 1 to Work Order WOA1947-AE-23 will provide an additional ninety (90) hours of as-needed design support during construction, and provide additional geotechnical engineering services as needed to develop a waste profile and to account for additional over-excavation by the construction Contractor, so as to advise MTS on any needed stockpiling, handling, removal or disposal of the soil.

Today's proposed action would ratify the original work order to HDR and approve Amendment No. 1 for additional engineering services during construction.

/s/ Paul C. Jablonski

Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)

Attachments: A. Executed Work Order WOA1947-AE-23, MTS Doc. No. G1947.0-17  
B. Draft Work Order WOA1947-AE-23.01, MTS Doc. No. G1947.0-17



August 2, 2018

MTS DOC No. G1947.1-17  
Work Order WOA1947-AE-23

Mr. Thomas K. Kim  
Senior Vice President  
HDR Engineering, Inc.  
401 B Street, Suite 110  
San Diego, CA 92101

Dear Mr. Kim:

Subject: MTS DOC. NO. G1947.1-17, WORK ORDER WOA1947-AE-23; ENGINEERING SERVICES FOR ZERO EMISSION BUS (ZEB) CHARGERS

This letter shall serve as our agreement for professional services, Work Order WOA1947-AE-23, under the General Engineering Consultant Agreement, MTS Doc. No. G1947.1-17, as further described below.

#### SCOPE OF SERVICES

Provide engineering services for Zero Emission Bus (ZEB) Chargers. Work provided under this Work Order will be performed in accordance with the attached Scope of Services (Attachment A, A1 and B)

#### SCHEDULE

This Work Order will not change the original schedule. The Scope of Services, as described above, shall remain in effect through completion of construction.

#### PAYMENT

Payment shall be based on actual costs in the amount not to exceed without prior authorization of \$93,624.30.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Paul C. Jablonski', enclosed within a blue oval.

Paul C. Jablonski  
Chief Executive Officer

Accepted:

A handwritten signature in blue ink, appearing to read 'Thomas K. Kim', enclosed within a blue oval.

Thomas K. Kim  
HDR Engineering, Inc.

SAUGUSTYN  
WOA1947-AE-23 HDR

Date: 8/7/18

Attachments: Attachment A, Scope of services  
Attachment A1, HDR's Technical Proposal  
Attachment B, Negotiated Fee Proposal

1255 Imperial Avenue, Suite 1000, San Diego, CA 92101-7490 • (619) 231-1466 • [www.sdmts.com](http://www.sdmts.com)  
Metropolitan Transit System (MTS) is a California public agency comprised of San Diego Transit Corp., San Diego Trolley, Inc., San Diego and Arizona Eastern Railway Company (nonprofit public benefit corporations), and San Diego Vintage Trolley, Inc., a 501(c)(3) nonprofit corporation, in cooperation with Chula Vista Transit. MTS is the taxicab administrator for seven cities. MTS member agencies include the cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and the County of San Diego.

September 12, 2019

MTS DOC No. G1947.0-17  
Work Order WOA1947-AE-23.01

Mr. Thomas K. Kim  
Senior Vice President  
HDR Engineering, Inc.  
401 B Street, Suite 110  
San Diego, CA 92101

Dear Mr. Kim:

Subject: AMENDMENT NO. 1, WORK ORDER WOA1947-AE-23; MTS DOC. NO. G1947.0-17ENGINEERING SERVICES FOR ZERO EMISSION BUS (ZEB) CHARGERS

This letter shall serve as Amendment No. 1 to our agreement for professional services, Work Order WOA1947-AE-23, under the General Engineering Consultant Agreement, MTS Doc. No. G1947.0-17, as further described below.

#### SCOPE OF SERVICES

The Scope of Services shall be revised to provide to provide continued engineering support services during construction, and additional geotechnical testing services for the Zero Emission Bus (ZEB) Chargers project. Work provided under this Amendment shall be performed in accordance with the attached Scope of Services (Attachment A)

#### SCHEDULE

This Amendment shall extend the original schedule through October 1, 2019.

#### PAYMENT

This Amendment shall add \$17,647.68 to the Work Order. The revised payment amount shall not exceed \$111,271.98 without prior authorization of MTS (Attachment B).

Sincerely,

Accepted:

Paul C. Jablonski  
Chief Executive Officer

\_\_\_\_\_  
Thomas K. Kim  
HDR Engineering, Inc.

Date: \_\_\_\_\_

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

## **ATTACHMENT A**

### **SAN DIEGO METROPOLITAN TRANSIT SYSTEM (MTS)**

#### **SCOPE OF WORK**

##### **I. PROJECT DESCRIPTION**

In October 2017, the MTS Board directed staff to implement a zero-emission bus pilot program. As part of the pilot, MTS will purchase nine (9) zero-emissions buses and use them on existing routes throughout San Diego for a period of at two (2) years. The pilot program will allow MTS analyze vehicle performance, challenges and capabilities. Staff will analyze characteristics such as in route vs. depot charging, climate, route profiles, passenger loads, operator performance, battery capacity and more.

The intent of this Work Order Amendment is to provide an additional ninety (90) hours of as-needed design support during construction as detailed in Task 5, and provide additional geotechnical engineering services as detailed in Task 6 for the installation of six (6) owner furnished charges at the Imperial Avenue Division (IAD). The total design support during construction will be 120 hours.

##### **II. EXPECTED RESULTS**

The objective of this work order amendment is to provide continued engineering support services during construction. This includes attendance at weekly construction meetings, reviewing and responding to RFI's and Submittals as requested, reviewing and evaluating backup generator requirements to support the contractors cutover and other various geotechnical engineering services.

##### **III. SCOPE OF WORK**

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

###### **Task 1 – Project Management and Coordination**

- 1.1 Provide project management services including the requirements for invoicing, scheduling, monthly project progress reports, and administration of the Consultant's team.
- 1.2 Provide project coordination with MTS as well as coordination with other project stakeholders as necessary.

###### **Task 5 – Design Support During Construction**

- 5.1 The Consultant will continue to provide support during construction related to the design of the project. It will be used on an 'as-needed' basis and the level of effort will be monitored by MTS and the consultant.
- 5.2 The Consultant will continue to review and provide comments to Contractor prepared submittals including shop drawings, product catalog cut sheets, certificates of compliance, samples and other data which Contractor is required to submit.
- 5.3 The Consultant will continue to review and respond to Contractor RFI's forwarded from the MTS Project Manager with clarifications and interpretations of the Contract Documents as appropriate to the orderly completion of Contractor's work.

- 5.4 The Consultant will continue to work with MTS and the contractor to assess the purpose for implementing a potential change, to develop an appropriate solution, and will then develop corresponding revisions to the plans and specifications.
- 5.5 The Consultant shall review existing demand loads for the bus wash and trillium facility to help develop the needed backup generation power for the contractors cutover. Existing loads will be determined from site visits and collection from available as-built drawings. Load information will be assembled and used to coordinate and size the necessary generators to support the cutover.

#### **Task 6 - Geotechnical Engineering**

- 6.1 The consultant is to perform construction testing services during construction. MTS has experienced contaminated or hazardous soil in previous excavations at IAD. Testing shall include soil testing for constituents of concern once the excavations commence and prior to exporting of any soil from each division, if contaminants are found present. Following initial potholing and testing efforts in coordination with the contractor, it was determined that additional testing was required to develop the waste profile and to account for additional over-excavation by the contractor. The additional testing includes:

- Collect 2 environmental samples in the excavation area for the project.
- Analyze up to 1 soil samples for TPH by EPA Method 8015M and Title 22 Metals by EPA Method 6010 and Volatile Organic Compounds (VOCs) by EPA Method 8260.
- Analyze up to 1 soil samples for Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270.

The analytic soil test results will be provided to MTS and the consultant is to advise on any needed stockpiling, handling, removal or disposal of the soil.

- 6.2 The consultant will perform additional geotechnical observations and testing to support asphalt placement and compaction as requested.

#### **IV. PERIOD OF PERFORMANCE**

The Task Order duration shall be extended to October 1, 2019 to account for project closeout.

#### **V. DELIVERABLES**

- Submittal and RFI responses as requested.
- Analytic soil test results related to soil excavations.
- Soil handling recommendations based on analytic soil test results.
- Concrete compressive strength test results.
- AC Placement and Compaction results

**VI. SCHEDULE OF SERVICES/MILESTONES/DELIVERABLES****A. Tasks Schedule**

<b>Task</b>	<b>Begin/End Dates</b>
Project Management & Coordination	NTP / Project Completion
Design Support During Construction	NTP / Project Completion
Material Testing	During Construction, As-needed

**B. Milestones/Deliverables Schedule**

<b>Milestone/Deliverable</b>	<b>Due Date</b>
Analytic Soil Test Results	7 calendar days after taking sample
Concrete Test Results	3, 5, and 28 days from pour date

**VII. MATERIALS TO BE PROVIDED BY MTS AND/OR THE OTHER AGENCY**

No Change

**VIII. MTS ACCEPTANCE OF SERVICES:**

Contractor shall not be compensated at any time for unauthorized work outside of this Work Order. Contractor shall provide notice to MTS' Project Manager upon 100% completion of this Work Order. Within five (5) business days from receipt of notice of Work Order completion, MTS' Project Manager shall review, for acceptance, the 100% completion notice. If Contractor provides final service(s) or final work product(s) which are found to be unacceptable due to Contractors and/or Contractors subcontractors negligence and thus not 100% complete by MTS' Project Manager, Contractor shall be required to make revisions to said service(s) and/or work product(s) within the Not to Exceed (NTE) Budget. MTS reserves the right to withhold payment associated with this Work Order until the Project Manager provides written acceptance for the 100% final completion notice. Moreover, 100% acceptance and final completion will be based on resolution of comments received to the draft documents and delivery of final documentation which shall incorporate all MTS revisions and comments.

Monthly progress payments shall be based on hours performed for each person/classification identified in the attached Fee Schedule and shall at no time exceed the NTE. Contractor shall only be compensated for actual performance of services and at no time shall be compensated for services for which MTS does not have an accepted deliverable or written proof and MTS acceptance of services performed.

**IX. DEFICIENT WORK PRODUCT:**

Throughout the construction management and/or implementation phases associated with the services rendered by the Contractor, if MTS finds any work product provided by Contractor to be deficient and the deficiently delays any portion of the project, Contractor shall bear the full burden of their deficient work and shall be responsible for taking all corrective actions to remedy their deficient work product including but not limited to the following:

- Revising provided documents,

At no time will MTS be required to correct any portion of the Contractors deficient work product and shall bear no costs or burden associated with Contractors deficient performance and/or work product.

#### **X. DELIVERABLE REQUIREMENTS**

Contractor will be required to submit any and all documentation required by the Scope of Work. The deliverables furnished shall be of a quality acceptable to MTS. The criteria for acceptance shall be a product of neat appearance, well-organized, and procedurally, technically and grammatically correct. MTS reserves the right to request a change in the format if it doesn't satisfy MTS's needs. All work products will become the property of MTS. MTS reserves the right to disclose any reports or material provided by the Contractor to any third party.

Contractor shall provide with each task, a work plan showing the deliverables schedule as well as other relevant date needed for Contractor's work control, when and as requested by MTS.

Contractor's computer data processing and work processing capabilities and data storage should be compatible with Windows compatible PC's, text files readable in Microsoft Word, and standard and customary electronic storage. Contractor shall maintain backup copies of all data conveyed to MTS.

Contractor shall provide MTS with hard copy or electronic versions of reports and/or other material as requested by MTS.

#### **XI. PRICING**

Pricing shall be firm and fixed for the duration of the Work Order and any subsequent Change Orders/Amendments to the Work Order. There shall be no escalation of rates or fees allowed.

#### **XII. ADDITIONAL INFORMATION**

List additional information as applicable to the specific Work Order scope of services.

#### **XIII. PREVAILING WAGE**

Prevailing wage rates apply to certain personnel for these services? ☒ Yes ☐ No

If yes, please list classification subject to prevailing wage rates:

Survey – Party Chief
Survey - Chainman

### Work Order Estimate Summary

MTS Doc. No. G1947.0-17

Work Order No. WOA1947-AE-23.01

Attachment: B

Work Order Title: **ENGINEERING SERVICES FOR ZERO EMISSION BUS  
(ZEB) CHARGERS, Amendment No. 1**

Project No:

Table 1 - Cost Codes Summary (Costs &amp; Hours)

Item	Cost Codes	Cost Codes Description	Total Costs
1	0100	Project Management & Coordination	\$1,456.48
2	0255	Engineering Support	\$16,191.22

Totals = \$17,647.68

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

Item	TASKS/WBS	TASKS/WBS Description	Labor Hrs	Total Costs
5	0255	Design Support During Construction	90.0	\$13,430.64
6	0255	Geotechnical Engineering	16.0	\$2,760.58

Totals = 114.0 \$17,647.68

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

(If Applicable, Select One)				Consultant	Labor Hrs	Total Costs
DBE	DVBE	SBE	Other			
			X	HDR Engineering, Inc.	98.0	\$14,887.10
			X	Leighton Consulting, Inc.	16.0	\$2,760.58

Totals = 114.0 \$17,647.68





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

## Agenda Item No. 7

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

September 12, 2019

#### SUBJECT:

INVESTMENT REPORT – QUARTER ENDING JUNE 30, 2019

#### INFORMATIONAL ONLY

##### Budget Impact

None.

#### DISCUSSION:

Attachment A comprises a report of the San Diego Metropolitan Transit System (MTS) investments as of June 30, 2019. The combined total of all investments has decreased quarter to quarter from \$135.1 million to \$121.3 million. This \$13.8 million decrease is attributable to \$24.8 million in capital expenditures, partially offset by \$6.2 million in Low Carbon Transit Operations Program (LCTOP) revenue, \$7.4 million in State Transit Assistance (STA) revenue, as well as normal timing differences in other payments and receipts.

The first column provides details about investments restricted for capital improvement projects.

The second column, unrestricted investments, reports the working capital for MTS operations allowing payments for employee payroll and vendors' goods and services.

MTS remains in compliance with Board Policy 30 and is able to meet expenditure requirements for a minimum of the next six months as required.

/s/ Paul C. Jablonski

Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)

Attachment: A. Investment Report for the Quarter Ending June 30, 2019.



**San Diego Metropolitan Transit System  
Investment Report  
June 30, 2019**

<b>Institution / Issuer</b>	<b>Function</b>	<b>Investment Type</b>	<b>Restricted</b>	<b>Unrestricted</b>	<b>Total</b>	<b>Avg. Rate of Return</b>	<b>Benchmark</b>
J.P. Morgan Chase	Operating Funds	Depository Bank	-	49,175,889	49,175,889	0.24%	* 0.700% WSJ Money Market
U.S. Bank - Retention Trust Account	Restricted for Capital Support	Depository Bank	4,819,561	-	4,819,561	N/A	** -
San Diego County Treasurer's Office	Prop 1B TSGP Grant Funds	Investment Pool	6,924,926	217,622	7,142,548	2.423%	2.115% S&P US T-Bill 0-3 Mth Index
<b>Subtotal: Restricted for Capital Support</b>			<b>11,744,487</b>	<b>217,622</b>	<b>11,962,108</b>		
Local Agency Investment Fund (LAIF)	Investment of Surplus Funds	Investment Pool	4,480,476	30,192,123	34,672,599	2.498%	2.115% S&P US T-Bill 0-3 Mth Index
San Diego County Treasurer's Office	Investment of Surplus Funds	Investment Pool	-	25,520,927	25,520,927	2.423%	2.115% S&P US T-Bill 0-3 Mth Index
<b>Subtotal: Investment Surplus Funds</b>			<b>4,480,476</b>	<b>55,713,050</b>	<b>60,193,526</b>		
<b>Grand Total Cash and Investments</b>			<b>\$ 16,224,962</b>	<b>\$ 105,106,561</b>	<b>\$ 121,331,523</b>		

\*-The .24% is an annual percentage yield on the average daily balance that exceeds \$22 million

\*\* - Per trust agreements, interest earned on retention account is allocated to trust beneficiary (contractor)



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

September 12, 2019

#### SUBJECT:

MIDDLETOWN DOUBLE CROSSOVER PROJECT – DESIGN SERVICES FOR BID  
SUPPORT AND DURING CONSTRUCTION – WORK ORDER AMENDMENT

#### RECOMMENDATION:

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

- 1) Ratify Work Order Amendment No. 3 to Work Order WOA1953-AE-11 under MTS Doc. No. G1953.0-17 with Pacific Railway Enterprises, Inc. (PRE) totaling \$47,548.11 for general engineering services during the construction contract bidding process; and
- 2) Authorize the Chief Executive Officer (CEO) execute Amendment No. 4 to Work Order WOA1953-AE-11 under MTS Doc. No. G1953.0-17 PRE in the amount of \$256,690.73 for design services during construction.

#### Budget Impact

Today's action would bring the total value of the PRE Work Order WOA1953-AE-11 to \$605,321.23:

MTS Doc. No.	Purpose	Amount	Board Approval Date
G1953.0-17-AE-11	Original Design Services for Middletown Double Crossover	\$301,082.39	6/14/2018
G1953.0-17-AE-11.1	No cost time extension	\$0	n/a
G1953.0-17-AE-11.2	No cost time extension	\$0	n/a



G1953.0-17-AE-11.3	Bid support services for Middletown Double Crossover and Orange Line Track Improvements (combined solicitation)	\$47,548.11	CEO approval 6/28/19 per Board Policy No. 41
G1953.0-17-AE-11.4	Design Services During Construction	\$256,690.73	Today's Proposed Action
	TOTAL	\$605,321.23	

PRE Work Order WOA1953-AE-11 is funded through the MTS Capital Improvement Project budget account(s) 2006101101, 2005005102, and 2005002502.

#### DISCUSSION:

MTS has contracted with PRE and HDR to provide design services for two separate capital projects:

- Middletown Double Crossover Project, and
- Orange Line Track Improvements Project

The Middletown project provides greater operational flexibility and service reliability during special events, right-of-way maintenance activities and unforeseen track outages, by installing a double crossover and associated track, signaling and OCS modifications to support the new crossover. The Orange Line project brings this section of rail up to a state of good repair and with the associated signal improvements will improve service reliability. This project involves replacement of switches 9 & 11, grade crossings and associated signaling and OCS modifications.

The designs for both projects were complete in early 2019. Due to the similarities in project scope and to create procurement efficiencies, the two design projects were combined into one construction project, now referred to as the Middletown - 9 & 11 Project.

The project is currently moving toward the construction phase and requires assistance from an engineering firm throughout the construction process. PRE will be providing these services using two subcontractors: HDR and Burns Engineering, Inc. PRE is a certified Disadvantaged Business Enterprise (DBE) and Small Business Enterprise (SBE) firm. Please see Attachment B for the dollar amount allocated to each subcontractor.

Today's proposed action would do the following:

1. Ratify Amendment No. 3 (\$47,548.11), which was executed by the CEO pursuant to Board Policy No. 41. Amendment No. 3 added bid support services regarding the design during the bid solicitation period.

2. Authorize the CEO to execute Amendment No. 4 (\$256,690.73). Amendment No. 4 will provide management and coordination of Design Services During Construction (DSDC), assistance with the permitting process, attendance of construction progress meetings, review and approve submittals, respond to Requests for Information (RFI)s, perform field observations, prepare design revisions/design change notices as-needed and assist MTS with construction punch list and closeout activities.

/s/ Paul C. Jablonski  
Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)

Attachments: A. Executed Work Order WOA1953-AE-11.03, MTS Doc. No. G1953.0-17  
B. Draft Work Order WOA1953-AE-11.04, MTS Doc. No. G1953.0-17



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

June 25, 2019

MTS Doc. No. G1953.0-17  
Work Order No. WOA1953-AE-11.03

Pacific Rail Enterprises  
Jennifer Purcell  
President/CEO  
3560 University Ave, Suite F  
Riverside, CA 92501

Dear Mrs. Purcell:

Subject: MTS DOC. NO. G1953.0-17, WORK ORDER WOA1953-AE-11.03, GENERAL  
ENGINEERING DESIGN SERVICES FOR MIDDLETOWN DOUBLE CROSSOVER  
PROJECT

This letter shall serve as Amendment 3 to Work Order WOA1953-AE-11 to MTS Doc. No. G1953.0-17, for professional services under the General Engineering Consultant Agreement, as further described below.

#### SCOPE OF SERVICES

The Scope of Services shall be revised to include Under this Work Order Consultant will provide bid support during the solicitation phase of the project including the Orange Line Track Improvements.

#### SCHEDULE

The Scope of Services, as described above, shall remain in effect for an additional period of time. The revised completion date shall be September 6, 2019.

#### PAYMENT

This amendment shall add an additional \$47,548.11 to the original Work Order. The revised Work Order amount shall not exceed \$348,630.50 without prior authorization from MTS.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Paul C. Jablonski", is written over a horizontal line.

Paul C. Jablonski  
Chief Executive Officer

Accepted:

A handwritten signature in blue ink, appearing to read "Jennifer Purcell", is written over a horizontal line.

Jennifer Purcell  
Pacific Rail Enterprises

Date: 6/28/19

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

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

Metropolitan Transit System (MTS) is a California public agency comprised of San Diego Transit Corp., San Diego Trolley, Inc. and San Diego and Arizona Eastern Railway Company (nonprofit public benefit corporations). MTS is the taxicab administrator for seven cities.

MTS member agencies include the cities of Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and the County of San Diego.

# **ATTACHMENT A**

## **SCOPE OF SERVICES**

**WORK ORDER TITLE: Bid Support for Middletown Double Crossover Project and Orange Line Track Improvements**

**I. PROJECTS DESCRIPTION**

As a result of the future Mid-Coast Trolley operations plan and the necessity to improve operational flexibility, the implementation of a new double crossover adjacent to the Middletown Station is proposed to provide the improved flexibility. The Middletown Double Crossovers Project includes new trackwork, special trackwork and associated signaling and OCS improvements. The Orange Line Track Improvements Project includes two grade crossing replacements, the removal and replacement of a single crossover and a universal crossover and associated signaling and OCS improvements.

The projects are now entering into the bid and construction phase for which MTS is requesting engineering support services.

Under this Work Order Consultant will provide bid support.

**II. EXPECTED RESULTS**

- Conformed plans & specifications following project bid and award

**III. SCOPE OF WORK**

The scope of work to be performed by shall consist of the following tasks and deliverables:

**TASK 1 PROJECT MANAGEMENT AND COORDINATION**

This task involves project management services including the requirements for progress reports, invoicing, meetings, coordination, and oversight of the Bid Support effort and administration of the Consultant's and Subconsultant's work. The labor hours and expenses associated with this task are reflected under the Work Breakdown Structure (WBS) tasks as task management.

**1.1 Progress Reports and Invoices**

At the end of each month, Consultant shall report on work progress consistent with MTS's reporting and invoicing formats in the form of a progress report with each invoice indicating work completed (WBS subtask) by Consultant and Subconsultant's. Progress will be based on the physical percentage complete of individual subtasks or estimated progress toward completion.

Consultant will submit one copy of a monthly progress report consisting of a written narrative to the MTS PM and MTS Contracts Manager.

**1.2 Project Coordination**

The Consultant will coordinate meetings and deliverables, and assist the MTS PM on coordination with MTS departments, City of San Diego, CPUC, Contractor, and other governing agencies, for all deliverables to ensure consistency among stakeholders.



**TASK 2 BID SUPPORT SERVICES****2.1 Bid Support**

Consultant and Subconsultant's will prepare for and attend the pre-bid meeting and respond to RFI's from the construction contractor(s) during the bid process.

**2.2 Prepare Conformed Plans and Specifications**

Consultant and Subconsultant's will prepare conformed plans and specifications by incorporating any relevant construction contractor RFI's and bid addendum affective during the Bid Phase.

**IV. PERIOD OF PERFORMANCE**

Notice to Proceed to end of Bid Protest Period

**V. DELIVERABLES**

- Bid Documents (Final PS&E). Provide PDF of each document.
- Response to Bidder Comments, as required.
- Conformed Plans & Specifications. Provide PDF of each document.

**VI. SCHEDULE OF SERVICES/MIESTONES/DELIVERABLES****A. Tasks Schedule**

<b><u>Task</u></b>	<b><u>Begin/End Dates</u></b>
Bid Support	NTP/End of Bid Protest Period

**B. Milestones/Deliverables Schedule**

<b><u>Milestone/Deliverable</u></b>	<b><u>Due Date</u></b>
Conformed Plans and Specifications	Bid Opening/plus 2 weeks

**VII. MATERIALS TO BE PROVIDED BY MTS AND/OR THE OTHER AGENCY**

Not Applicable.

**VIII. SPECIAL CONDITIONS/ASSUMPTIONS**

1. MTS and Consultant acknowledge and agree that, notwithstanding anything to the contrary in the Agreement between MTS and Consultant, these Special Conditions shall take precedence over any conflicting provisions in the Agreement. However, for the avoidance of doubt, these Special Provisions apply solely to this Work Order and do not otherwise alter the Agreement or other Work Orders.

2. The consultant and subconsultants assume MTS will have hired a construction manager (CM) at the time of construction NTP. In the event a CM is not hired for this project, the consultant and subconsultants will re-evaluate the attached Fee Schedule and submit an amendment to cover additional work normally performed by the CM.

#### **IX. MTS ACCEPTANCE OF SERVICES:**

Consultant and Subconsultant's shall not be compensated at any time for unauthorized work outside of this Work Order. Consultant and Subconsultant's shall provide notice to MTS' Project Manager upon 100% completion of this Work Order. Within five (5) business days from receipt of notice of Work Order completion, MTS' Project Manager shall review, for acceptance, the 100% completion notice. If Consultant and Subconsultant's provide final service(s) or final work product(s) which are found to be unacceptable due to Consultant's and/or Subconsultants' negligence and thus not 100% complete by MTS' Project Manager, consultant and /or Subconsultant's shall be required to make revisions to said service(s) and/or work product(s) within the Not to Exceed (NTE) Budget. MTS reserves the right to withhold payment associated with this Work Order until the Project Manager provides written acceptance for the 100% final completion notice. Moreover, 100% acceptance and final completion will be based on resolution of comments received to the draft documents and delivery of final documentation which shall incorporate all MTS revisions and comments.

Monthly progress payments shall be based on hours performed for each person/classification identified in the attached Fee Schedule and shall at no time exceed the NTE. Consultant and Subconsultant's shall only be compensated for actual performance of services and at no time shall be compensated for services for which MTS does not have an accepted deliverable or written proof and MTS acceptance of services performed.

#### **X. DEFICIENT WORK PRODUCT**

Throughout the design and/or implementation phases associated with the services rendered by the Consultant and/or Subconsultant's, if MTS finds any work product provided by Consultant and/or subconsultant's to be deficient and the deficiently delays any portion of the project, Consultant and/or Subconsultant shall bear the full burden of their deficient work and shall be responsible for taking all corrective actions to remedy their deficient work product including but not limited to the following:

- Revising provided documents,

At no time will MTS be required to correct any portion of the Consultant and/or Subconsultants' deficient work product and shall bear no costs or burden associated with consultant and/or subconsultants' deficient performance and/or work product.

#### **XI. DELIVERABLE REQUIREMENTS**

Consultant and Subconsultants' will be required to submit any and all documentation required by the Scope of Work. The deliverables furnished shall be of a quality acceptable to MTS. The criteria for acceptance shall be a product of neat appearance, well-organized, and procedurally,

technically and grammatically correct. MTS reserves the right to request a change in the format if it doesn't satisfy MTS's needs. All work products will become the property of MTS. MTS reserves the right to disclose any reports or material provided by the Firm to any third party.

Firm shall provide with each task, a work plan showing the deliverables schedule as well as other relevant date needed for Subconsultant's work control, when and as requested by MTS.

Consultant and Subconsultants' computer data processing and work processing capabilities and data storage should be compatible with Windows compatible PC's, text files readable in Microsoft Word, and standard and customary electronic storage. Subconsultant shall maintain backup copies of all data conveyed to MTS.

Consultant and Subconsultants' shall provide MTS with hard copy or electronic versions of reports and/or other material as requested by MTS.

## **XII. PRICING**

Pricing shall be firm and fixed for the duration of the Work Order and any subsequent Change Orders/Amendments to the Work Order. There shall be no escalation of rates or fees allowed.

## **XIII. ADDITIONAL INFORMATION**

List additional information as applicable to the specific Work Order scope of services.

## **XIV. PREVAILING WAGE**

Prevailing wage rates apply to certain personnel for these services? ☐ Yes ☒ No

If yes, please list classification subject to prevailing wage rates:


# **ATTACHMENT B**

## **NEGOTIATED FEE PROPOSAL**

# Work Order Estimate Summary

Att. A, AI 8, 9/12/19

MTS Doc. No. G1953.0-17

Work Order No. WOA1953-AE-11.03

Attachment: B

Work Order Title: Bid Support for Middletown Double Crossover and Orange Line Track Improvements

Project No:

Table 1 - Cost Codes Summary (Costs & Hours)

Item	Cost Codes	Cost Codes Description	Total Costs
1	0690-0255	Project Management	\$19,588.52
2	0600-0255	Bid Support Services	\$27,959.59
3			
4			
5			
6			
7			

Totals = \$47,548.11

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

Item	TASKS/WBS	TASKS/WBS Description	Labor Hrs	Total Costs
1	0690-0255	Project Management	110.0	\$19,588.52
2	0600-0255	Bid Support Services	164.0	\$27,959.59
3				
4				
5				
6				
7				
8				
9				
10				

Totals = 274.0 \$47,548.11

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

(If Applicable, Select One)				Consultant	Labor Hrs	Total Costs
DBE	DVBE	SBE	Other			
x		x		Pacific Railway Enterprises, Inc.	116.0	\$19,895.64
				HDR, Inc.	120.0	\$22,468.61
				Burns Engineering, Inc.	38.0	\$5,183.86

Totals = 274.0 \$47,548.11

# Work Order Estimate Summary

Att. A, AI 8, 9/12/19

Total Hours =

Total Costs =

116
\$19,895.64

Consultant/Subconsultant: Pacific Railway Enterprises, Inc.

MTS Doc. No.: G1953.0-17

Work Order No.: WOA1953-AE-11.03

Work Order Title: Bid Support for Middletown Double Crossover and Orange Line Track Improvements

Attachment: B

ODCs (See Attachment)	Sr. Systems Engineer	Sr. Railroad Systems Technologist I	Signal Designer III	Sr. Railroad Systems Technologist III	NA	NA	Total Hours	Totals
	\$234.37	\$130.21	\$78.12	\$169.27				

Item	TASKS/WBS	TASKS/WBS Description							
1	<b>Task 1</b>	<b>Task Order Management</b>							
	Project reporting and invoicing- Middletown		2			16		18	\$3,177.06
	Project reporting and invoicing- Orange Line		2			16		18	\$3,177.06
	Project coordination- Middletown		2			8		10	\$1,822.90
	Project coordination- Orange Line		2			8		10	\$1,822.90
	Subtotals (Hours) =	N/A	8			48		56	\$9,999.92
	Subtotals (Costs) =		\$1,874.96			\$8,124.96		56	\$9,999.92
2	<b>Task 2</b>	<b>Bid Support Services</b>							
	Bid Support - Middletown		4			8		12	\$2,291.64
	Bid Support - Orange Line		4			8		12	\$2,291.64
	Prepare Confomed Plans and Specifications - Middletown		2	4	4	8		18	\$2,656.22
	Prepare Confomed Plans and Specifications - Orang Line		2	4	4	8		18	\$2,656.22
	Subtotals (Hours) =	N/A	12	8	8	32		60	\$9,895.72
	Subtotals (Costs) =		\$2,812.44	\$1,041.68	\$624.96	\$5,416.64		60	\$9,895.72
	<b>Totals (Summary) =</b>							116	\$19,895.64
	Total (Hours) =	N/A	20	8	8	80		116	
	Total (Costs) =		\$4,687.40	\$1,041.68	\$624.96	\$13,541.60			\$19,895.64
	Percentage of Total (Hours) =	N/A	17%	7%	7%	69%		100%	
	Percentage of Total (Costs) =		24%	5%	3%	68%			100%

**Work Order Estimate  
Summary**

Att. A, AI 8, 9/12/19

Consultant/ Subconsultant: **Pacific Railway Enterprises, Inc.**

Contract No:	<b>G1953.0-17</b>
Task Order No:	<b>WOA1953-AE-11.03</b>
Attachment:	<b>B</b>

Work Order Title: **Bid Support for Middletown Double Crossover and Orange Line Track Improvements**

TASKS/WBS (1-5)													
ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
				Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =	

TASKS/WBS (6-10)													
ODC Item	Description	Task 1		Task 2		Task 3		Task 4		Task 5		Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Subtotal =		Totals =	

# Work Order Estimate Summary

Att. A, AI 8, 9/12/19

Total Hours =

120

Total Costs =

\$22,468.61

Consultant/Subconsultant: HDR, Inc.

MTS Doc. No.: G1953.0-17

Work Order No.: WOA1953-AE-11.03

Work Order Title:

Bid Support for Middletown Double Crossover and Orange Line Track Improvements

Attachment:

B

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Sr. PM/Railroad	Project Engineer	Sr. Admin Assistant	Technician II	QA Manager	Project Engineer/ Railroad	NA	NA	Total Hours	Totals
				\$314.69	\$155.40	\$139.46	\$124.51	\$197.54	\$214.70				
1	Task 1	Task Order Management											
		Project reporting and invoicing - Middletown		2	3	12						17	\$2,769.10
		Project reporting and invoicing - Orange Line		2	3	12						17	\$2,769.10
		Project coordination - Middletown		2	3	1		4				10	\$2,025.20
		Project coordination - Orange Line		2	3	1		4				10	\$2,025.20
		Subtotals (Hours) =	N/A	8	12	26		8				54	\$9,588.60
		Subtotals (Costs) =		\$2,517.52	\$1,864.80	\$3,625.96		\$1,580.32				54	\$9,588.60
2	Task 2	Bid Support Services											
		Bid Support - Middletown	\$46.75	5	10							15	\$3,174.20
		Bid Support - Orange Line		7	14							21	\$4,378.43
		Prepare Confomed Plans and Specifications - Middletown		2	3		4	4				13	\$2,383.78
		Prepare Confomed Plans and Specifications - Orange Line		2	5		6	4				17	\$2,943.60
		Subtotals (Hours) =	N/A	16	32		10	8				66	\$12,880.01
		Subtotals (Costs) =	\$46.75	\$5,035.04	\$4,972.80		\$1,245.10	\$1,580.32				66	\$12,880.01
		Totals (Summary) =										120	\$22,468.61
		Total (Hours) =	N/A	24	44	26	10	16				120	
		Total (Costs) =	\$46.75	\$7,552.56	\$6,837.60	\$3,625.96	\$1,245.10	\$3,160.64					\$22,468.61
		Percentage of Total (Hours) =	N/A	20%	37%	22%	8%	13%				100%	
		Percentage of Total (Costs) =	0%	34%	30%	16%	6%	14%					100%



**Work Order Estimate  
Summary**

Att. A, AI 8, 9/12/19

Consultant/ Subconsultant: **HDR, Inc.**

Contract No: **G1953.0-17**  
Task Order No. **WOA1953-AE-11.03**  
Attachment: **B**

Work Order Title: **Bid Support for Middletown Double Crossover and Orange Line Track Improvements**

TASKS/WBS (1-5)													
ODC Item	Description	Unit	Unit Cost	1		2		3		4		5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Repro & Graphics	LS	\$1.00										
2	Deliveries	LS	\$1.00										
3	Mileage	MI	\$0.535			50	\$26.75						
4	Scanning	LS	\$1.00										
5	Other (Photo, etc.)	LS	\$1.00										
6	Aerial Photography	LS	\$1.00										
7	Transit Tickets	LS	\$5.00			4	\$20.00						
8													
9													
10													
Subtotal =						Subtotal = <b>\$46.75</b>		Subtotal =		Subtotal =		Subtotal =	

TASKS/WBS (6-10)													
ODC Item	Description	6		7		8		9		10		Totals	
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Repro & Graphics												
2	Deliveries												
3	Mileage											50	\$26.75
4	Scanning												
5	Other (Photo, etc.)												
6	Aerial Photography												
7	Transit Tickets											4	\$20.00
8													
9													
10													
Subtotal =				Subtotal =		Subtotal =		Subtotal =		Subtotal =		Totals = <b>\$46.75</b>	

# Work Order Estimate Summary

Att. A, AI 8, 9/12/19

Total Hours =

38

Total Costs =

\$5,183.86

Consultant/Subconsultant: Burns Engineering, Inc.

MTS Doc. No.: G1953.0-17

Work Order No.: WOA1953-AE-11.03

Work Order Title: Bid Support for Middletown Double Crossover and Orange Line Track Improvements

Attachment: B

Item	TASKS/WBS	TASKS/WBS Description	ODCs (See Attachment)	Principal-in- Charge	Principal Engineer Catenary	Sr. Elec Engineer	Project Engineer	Electrical Engineer	Catenary Designer	NA	NA	Total Hours	Totals
2	Task 2	Bid Support Services		\$ 257.05	\$ 194.22	\$ 170.54	\$ 128.53	\$ 133.10	\$ 101.41				
		Bid Support - Middletown		2	4	4			8			18	\$2,784.42
		Prepare Confomed Plans and Specifications - Middletown			4				16			20	\$2,399.44
		Subtotals (Hours) =	N/A	2	8	4			24			38	\$5,183.86
		Subtotals (Costs) =		\$514.10	\$1,553.76	\$682.16			\$2,433.84			38	\$5,183.86
		Totals (Summary) =										38	\$5,183.86
		Total (Hours) =	N/A	2	8	4			24			38	
		Total (Costs) =		\$514.10	\$1,553.76	\$682.16			\$2,433.84				\$5,183.86
		Percentage of Total (Hours) =	N/A	5%	21%	11%			63%			Total	100%
		Percentage of Total (Costs) =		10%	30%	13%			47%			Total	100%

**Work Order Estimate  
Summary**

Att. A, AI 8, 9/12/19

Consultant/ Subconsultant: **Burns Engineering, Inc.**

Contract No: **G1953.0-17**  
Task Order No. **WOA1953-AE-11.03**  
Attachment: **B**

Work Order Title: **Bid Support for Middletown Double Crossover and Orange Line Track Improvements**

TASKS/WBS (1-5)													
ODC Item	Description	Unit	Unit Cost	Task 1		Task 2		Task 3		Task 4		Task 5	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Repro & Graphics	LS	\$0.15										
2	Deliveries	LS	\$25.00										
3	Mileage	MI	\$0.57										
4	Scanning	LS	\$1.00										
5	Other (Photo, etc.)	LS	\$1.00										
6	Aerial Photography	LS	\$1.00										
7	Travel	Trips	\$1,200.00										
8													
9													
10													
Subtotal =						Subtotal =				Subtotal =			

TASKS/WBS (6-10)														
ODC Item	Description											Totals		
		Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	
1	Repro & Graphics													
2	Deliveries													
3	Mileage													
4	Scanning													
5	Other (Photo, etc.)													
6	Aerial Photography													
7	Travel													
8														
9														
10														
Subtotal =				Subtotal =				Subtotal =				Subtotal =		
												Totals =		

September 12, 2019

MTS Doc. No. G1953.0-17  
Work Order No. WOA1953-AE-11.04

Pacific Rail Enterprises  
Jennifer Purcell  
President/CEO  
3560 University Ave, Suite F  
Riverside, CA 92501

Dear Mrs. Purcell:

Subject: AMENDMENT NO. 4 TO WORK ORDER WOA1953-AE-11, MTS DOC. NO. G1953.0-17,  
GENERAL ENGINEERING DESIGN SERVICES FOR MIDDLETOWN DOUBLE  
CROSSOVER PROJECT

This letter shall serve as Amendment 4 to Work Order WOA1953-AE-11 to MTS Doc. No. G1953.0-17, for professional services under the General Engineering Consultant Agreement, as further described below.

#### SCOPE OF SERVICES

The Scope of Services shall be revised to include under this Work Order Consultant will provide bid support during the solicitation phase of the project including the Orange Line Track Improvements.

#### SCHEDULE

The Scope of Services, as described above, shall remain in effect for an additional period of time. The revised completion date shall be through completion of construction.

#### PAYMENT

This amendment shall add an additional \$256,690.73 to the original Work Order. The revised Work Order amount shall not exceed \$605,321.23 without prior authorization from MTS.

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

Sincerely,

Accepted:

Paul C. Jablonski  
Chief Executive Officer

\_\_\_\_\_  
Jennifer Purcell  
Pacific Rail Enterprises

Date: \_\_\_\_\_

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

**ATTACHMENT A****SAN DIEGO METROPOLITAN TRANSIT SYSTEM (MTS)****SCOPE OF WORK****I. PROJECT DESCRIPTION**

As a result of the future Mid-Coast Trolley operations plan and the necessity to improve operational flexibility, the implementation of a new double crossover adjacent to the Middletown Station is proposed to provide the improved flexibility. The Middletown Double Crossovers Project, includes new trackwork, special trackwork and associated signaling and OCS improvements. The project will soon enter into the construction phase for which MTS is requesting engineering support services.

Under this Amendment, the Consultant will provide management and coordination of Design Services During Construction (DSDC), assistance with the permitting process, attendance of construction progress meetings as requested by MTS, review and approve submittals, respond to RFIs, perform field observations as requested by MTS, prepare design revisions/design change notices as needed and assist MTS with construction punch list and closeout activities.

**II. EXPECTED RESULTS**

- Design Services During Construction (DSDC) through duration of project construction

**III. SCOPE OF WORK**

The scope of work to be performed by shall consist of the following tasks and deliverables:

**TASK 1 PROJECT MANAGEMENT AND COORDINATION**

This task involves project management services including the requirements for progress reports, invoicing, meetings, coordination, and oversight of DSDC work and administration of the Consultant's and Subconsultant's work. The labor hours and expenses associated with this task are reflected under the Work Breakdown Structure (WBS) tasks as task management.

**1.1 Progress Reports and Invoices**

At the end of each month, Consultant shall report on work progress consistent with MTS's reporting and invoicing formats in the form of a progress report with each invoice indicating work completed (WBS subtask) by Consultant and Subconsultant's. Progress will be based on the physical percentage complete of individual subtasks or estimated progress toward completion.

Consultant will submit one copy of a monthly progress report consisting of a written narrative to the MTS PM and MTS Contracts Manager.

**1.2 Project Coordination**

The Consultant will coordinate meetings and deliverables, and assist the MTS PM on coordination with MTS departments, City of San Diego, CPUC, Contractor, and other governing agencies, for all deliverables to ensure consistency among stakeholders.

### **TASK 3 DESIGN SUPPORT DURING CONSTRUCTION (DSDC) SERVICES**

#### **3.1 Weekly Construction Meetings**

Consultant and Subconsultant's shall attend weekly construction progress meetings at the request of the MTS Project Manager. Appropriate representatives will attend when requested depending on progress and phase of construction. It is assumed that a maximum of two meetings will be attended per month for the duration of construction, excluding pre-construction period required for material procurement. Construction is schedule to be completed within eighteen months of notice to proceed (including procurement period). The consultant shall assume attendance of up to fourteen (14) construction meetings.

#### **3.2 Review & Approve Submittals**

Consultant and Subconsultant's will review and approve or take other appropriate action in respect to Contractor-prepared submittals (for those forwarded from the MTS Construction Management (CM) team) required by the specifications, including shop drawings, product catalog cut sheets, certificates of compliance, samples, and other data which the Construction contractor is required to submit, but only for conformance with the information given in the Contract Documents. Such review and approvals or other action will not extend to means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction or to related safety precautions and programs.

Consultant and Subconsultant's will have five working days for review each submittal. Once the review is complete the submittal will receive a notification stamp indicating results of review including notes for additional action by the Construction contractor as may be deemed necessary.

#### **3.3 Respond to Requests for Information (RFI)**

The Consultant and Subconsultant's will review and respond to Construction contractor RFIs forwarded from the MTS Construction Management (CM) team and issue necessary clarifications and interpretations of the Contract Documents as appropriate to the orderly completion of the Construction contractor's work. Any orders authorizing variations from the Contract Documents will be made by the MTS CM.

#### **3.4 Field Observations**

At the request of MTS, the Consultant and Subconsultant's staff will perform site visits to assist in a response to RFI's, to gather data for developing Change Orders, or to perform other specific tasks such observation of Change in Condition, Construction contractor implementation for substitution, field verifications, pre-testing and in-service testing, etc.

#### **3.5 Prepare Design Revisions/Design Change Notices (DCN's)**

Consultant and Subconsultant's will prepare revisions to design plans and technical specifications as directed. Modifications to the project plans and specifications may be required prior to and during the construction phase of the project. The Consultant will work with the MTS construction team to assess the purpose for implementing a potential change, to develop an appropriate solution, and develop corresponding revisions to the plans and specifications. Design revisions may be in response to action

required by an RFI, CCO, an unforeseen site condition, value-engineering, etc. If requested by MTS, the Consultant will develop cost estimates to coincide with the proposed changes. Design revisions will be transmitted in PDF file format.

### **3.6 Punchlist and Closeout Activities**

As the project nears Substantial Completion, the Consultant and Subconsultant's will assist the CM team in preparing a punch list of items to be addressed by the Construction contractor. Assistance with the punch list will entail site walks as directed by the CM team.

After Completion of Work the Consultant and Subconsultants' shall prepare final as-built plans, based on Record Drawings provided by the Construction contractor. As-built plans prepared under this Work Order will not include any work performed by the Construction contractor subsequent to Completion of Work.

## **IV. PERIOD OF PERFORMANCE**

Notice to Proceed to Project Completion. Construction duration is anticipated to be 18 months to accommodate material procurement lead times.

## **V. DELIVERABLES**

- Miscellaneous DSDC Phase Deliverables (Submittal responses, RFI's, DCN's, As-Built's, other approvals, etc.).
- As-Built's. Provide PDF and CAD files.

## **VI. SCHEDULE OF SERVICES/MILESTONES/DELIVERABLES**

### **A. Tasks Schedule**

<b>Task</b>	<b>Begin/End Dates</b>
Project Management	NTP/Project Completion
DSDC	Construction NTP/Project Completion

### **B. Milestones/Deliverables Schedule**

<b>Milestone/Deliverable</b>	<b>Due Date</b>
DSDC Deliverables, as needed	As-needed
<b>As-Built's</b>	<b>One month after approved Record Drawings received</b>

## **VII. MATERIALS TO BE PROVIDED BY MTS AND/OR THE OTHER AGENCY**

Construction contractor Submittals and RFIs  
Construction contractor's Record Drawings

**VIII. SPECIAL CONDITIONS/ASSUMPTIONS**

1. MTS and Consultant acknowledge and agree that, notwithstanding anything to the contrary in the Agreement between MTS and Consultant, these Special Conditions shall take precedence over any conflicting provisions in the Agreement. However, for the avoidance of doubt, these Special Provisions apply solely to this Work Order and do not otherwise alter the Agreement or other Work Orders.
2. The consultant and subconsultants assume MTS will have hired a construction manager (CM) at the time of construction NTP. In the event a CM is not hired for this project, the consultant and subconsultants will re-evaluate the attached Fee Schedule and submit an amendment to cover additional work normally performed by the CM.

DRAFT



# **ATTACHMENT B NEGOTIATED FEE PROPOSAL**

MTS Doc. No. **G1953.0-17**  
 Work Order No. **WOA1953-AE-11.04**  
 Attachment: **B**

Work Order Title: **Design Services During Constuction (DSDC) for Middletown Double Crossover and Orange Line Track Improvements Projects**

Project No:

**Table 1 - Cost Codes Summary (Costs & Hours)**

Item	Cost Codes	Cost Codes Description	Total Costs
1	0690-0255	Project Management	\$44,732.20
2			
3	0600-0255	Design Support During Construction (DSDC) Servies	\$211,958.53
4			

Totals = **\$256,690.73**

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

Item	TASKS/WBS	TASKS/WBS Description	Labor Hrs	Total Costs
1	0690-0255	Project Management	260.0	\$44,732.20
2				
3	0600-0255	Design Support During Construction (DSDC) Servies	1298.0	\$211,958.53
4				
5				

Totals = **1,558.0** **\$256,690.73**

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

(If Applicable, Select One)				Consultant	Labor Hrs	Total Costs
DBE	DVBE	SBE	Other			
x		x		Pacific Railway Enterprises, Inc.	790.0	\$117,734.34
				HDR, Inc.	552.0	\$106,120.59
				Burns Engineering, Inc.	216.0	\$32,835.80

Totals = **1,558.0** **\$256,690.73**



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

September 12, 2019

#### SUBJECT:

COMPRESSED NATURAL GAS (CNG) FUELING FACILITY OPERATIONS AND  
MAINTENANCE SERVICES – CONTRACT AMENDMENT

#### RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors (Board) authorize the Chief Executive Officer (CEO) to execute Amendment No. 5 to MTS Doc. No. B0522.0-09 (in substantially the same format as Attachment A) with Trillium USA (Trillium) in the amount of \$246,200.00 for a CNG dryer replacement not covered under the original contract amount. The new total value of the contract shall not exceed \$18,642,699.95.

#### Budget Impact

This agenda item requires execution of Amendment No. 5 in the amount of \$246,200.00 and is funded under Fiscal Year 2020 CIP WBSE No. 3006110201.

#### DISCUSSION:

Currently, MTS contracts with Trillium to provide preventive maintenance, inspection, operation and repair services to our CNG facilities at Imperial Avenue Division (IAD), Kearny Mesa Division (KMD), and South Bay Maintenance Facility (SBMF). Within the scope of the contract, Trillium is required to replace equipment that fails; however, the KMD Dryers were not included on the original replacement list. The CNG dryer at KMD is beyond its useful life and requires replacement. With aging equipment there is an increased chance of oil and water passing through the compressor, entering the bus and causing costly damage to the bus engines. This amendment is for the replacement of the CNG dryer at KMD, which was originally installed with the station and not part of Trillium's installations.



The table below provides a summary of the Trillium contract since the inception of the agreement as well as the anticipated amount for Amendment 5:

<b>Agreement No.</b>	<b>Amount</b>	<b>Description</b>	<b>Board Approved Date</b>
B0522.0-10	\$ 8,998,084.49	Original O&M amount; 10 YR base	7/13/2010
Amendment 1	\$ 6,996,689.00	Administrative changes and adjusted for inflation, CPI, expanded service, and additional CNG buses	9/12/2013
Amendment 2	\$ 528,194.00	Replacement of 7 dispensers at SB & IAD	3/8/2017
Amendment 3	\$ 0.00	Added prevailing wage language to contract	7/10/2017
Amendment 4	\$ 1,873,532.46	Extend term and add funds.	11/8/2018
Amendment 5	\$ 246,200.00	KMD CNG Dryer Replacement	Today's Proposed Action
<b>Total Contract Value</b>	<b>\$ 18,642,699.95</b>		

Therefore, staff recommends that the MTS Board authorize the CEO to execute MTS Doc. No. B0522.5-09 with Trillium in the amount of \$246,200.00 for necessary replacement of the CNG dryer at KMD not covered under the contract. With this amendment the new total value of the contract shall not exceed \$18,642,699.95.

/s/ Paul C. Jablonski  
Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)

Attachments: A. Amendment 5 Doc. No. B0522.0-9  
B. SOW KMD Dryer Replacement

September 12, 2019

MTS Doc. No. B0522.5-09

Trillium USA Company, LLC  
Mr. Bill Cashmareck, Director  
2929 Allen Parkway, Suite 4100  
Houston, TX 77019

Subject: AMENDMENT NO. 5 TO MTS DOC. NO. B0522.0-09; OPERATIONS AND MAINTENANCE SERVICES FOR IAD, KMD, AND SBMF CNG FUELING STATIONS – AS-NEEDED REPAIRS.

This shall serve as Amendment No. 5 to our agreement for the operations and maintenance services for Imperial Avenue Division (IAD), Kearny Mesa Division (KMD), and South Bay Maintenance Facility (SBMF) CNG fueling stations as further described below.

SCOPE OF SERVICES

Contractor shall replace CNG dryer at KMD as outlined in the Scope of Work.

SCHEDULE

There shall be no change to the schedule.

PAYMENT

This contract amendment shall not exceed \$246,200.00 bringing the total value of this contract to \$18,642,699.95.

Sincerely,

Agreed:

---

Paul C. Jablonski  
Chief Executive Officer

---

Bill Cashmareck, Director  
Trillium USA Company, LLC

Date: \_\_\_\_\_

Enclosure: Trillium Revised Proposal dated 8/7/19

**San Diego MTS**  
Kearny Mesa  
Dryer Upgrade

## Quote

San Diego MTS's Kearny Mesa Division has a Panasonic Dryer that feeds the two Gemini Compressors. This dryer has become obsolete as the vendor is no longer in business and Trillium can no longer obtain parts and program updates. Trillium had Xebec inspect the dryer and was advised to shut off the dryer indefinitely. The dryer was turned off and is currently in bypass mode. Trillium recommends installation of a new Twin Tower Fully Automatic Natural Gas Dryer in place of the Panasonic Natural Gas Dryer.

<b>CNG Scope</b>		<b>Price</b>	<b>Schedule 32 wks</b>
<b>Project Management</b>		\$7,700	
<b>Design/Engineering</b>		\$19,500	4 weeks
<b>Equipment</b>		\$161,100	22 weeks
- Twin Tower Fully Automatic Dryer \$153,500			
- Vent Stack \$3,100			
- Dryer Controller \$4,500			
<b>Construction</b>		\$41,600	4 weeks
- Mechanical \$15,400 [\$6,700 Material, \$8,700 Labor]			
- Civil \$14,600 [\$8,700 Material, \$5,900 Labor]			
- Electrical \$11,600 [\$3,700 Material, \$7,900 Labor]			
<b>Programming &amp; Commissioning</b>		\$10,000	1 week
<b>Inspection</b>		N/A	1 week
	<b>Project Subtotal</b>	<b>\$239,900</b>	
	Sales Tax (7.75%) equipment/materials	Included	
	Markup 16.5%	Included	
	Freight	\$6,300	
<b>Project Budget</b>		<b>\$246,200</b>	

## Assumptions and Clarifications

- Trillium to provide one (1) PSB Twin Tower Fully Automatic Natural Gas Dryer (1200 scfm @ 43 psig)
- Trillium to provide one (1) PSV Vent Stack
- Trillium to provide one (1) Allen Bradley Dryer Controller
- Dryer lead time 18 to 20 weeks
- Prevailing wage applies
- Buy America applies
- Design, Engineering, and Programming included
- Startup, Commissioning, Project Management included
- Civil, Mechanical, and Electrical Construction included
- Permitting not included
- Freight and taxes included
- Assumes existing power utility can handle the increased load from this upgrade
- Assumes natural soils to have a bearing capacity of 2,000 psf and are not contaminated



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

September 12, 2019

#### SUBJECT:

ROADWAY WORKER EARLY WARNING ALARM ELECTRONIC DEVICES –  
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. L1509.0-19 (in substantially the same format as Attachment A), to Miller Ingenuity, for Roadway Worker Early Warning Alarm Electronic Devices, in the amount of \$633,122.84.

#### Budget Impact

The contract will be funded by the Capital Improvement Program (CIP) project: Railroad Worker Safety Equipment, WBSE #2008103401.

#### DISCUSSION:

The safety of workers on MTS's operating railroad is of prime importance. Secondary protection systems exist that warn workers of a train approaching a work zone.

Under California Public Utilities Commission (CPUC) General Order 175-A (6.3f), beginning November 7, 2017, early warning alarm technology must be used, except when the track is taken out of service by locking out all entry points or the traction power has been removed.

Although the CPUC General Order 175-A went into effect in 2017, due to difficulties in identifying more than one supplier at that time, San Diego Trolley Inc. (SDTI) was granted a time extension by CPUC until November 6, 2019 in order to comply with this requirement.



On June 20, 2019, MTS issued a Request for Proposals (RFP) looking for a qualified proposer to provide the electronic devices.

By June 26, 2019 three proposals were received from:

1. Miller Ingenuity, Winona, MN 55987
2. Protran Technology, West Columbia, SC 29170
3. Willowglen Systems, Edmonton, Canada, T6E 5V5

All proposals were deemed responsive and responsible. A selection committee consisting of representatives from MTS Maintenance of Way and Finance evaluated the proposals based on the following criteria:

1. Qualifications of the Firm or Individual – 15%
2. Staffing, Organization and Management Plan – 5%
3. Work Plan – 40%
4. Cost – 40%

On August 2, 2019, the selection committee evaluated the initial proposals and scored as follows:

Initial proposals scores					
Proposer name	Technical (max 60%)	Cost (max 40%)	*Cost in \$	Total (max 100%)	Ranking
Miller Ingenuity	35.00	40.00	\$388,500.00	75.00	1
Protran Technology	43.00	15.66	\$992,400.00	58.66	2
Willowglen Systems	13.33	33.95	\$457,757.60	47.28	3

*\*Excluding sales tax*

The evaluation panel then determined that Miller and Protran were the top ranked proposers would be invited for demonstrations on full system operation, equipment function and durability on MTS's railroad per the RFP requirements.

Demonstrations for Miller were performed on August 12<sup>th</sup> & 13<sup>th</sup>; and for Protran on August 15<sup>th</sup> & 16<sup>th</sup>, 2019. During the demonstrations the devices were evaluated by SDTI users (Roadway Workers, Lookouts, Employees in Charge and immediate supervisors) to determine the ease of use, reliability and durability of the equipment on variables such as time, date, location, weather, work performed and number of employees.

After the demonstrations, MTS requested both proposers to submit a revised proposal addressing issues observed at the demonstrations, and to provide pricing for devices that MTS had now determined from the demonstrations to be the quantities that would be required from each proposer. This included increasing the number of repeater devices, adding back up power devices for use during multiple-day construction work and a requested modification to the strobe lights on the detecting and repeater units.



On August 22, 2019 revised proposals addressing these updated requirements were received. On August 23, 2019 the evaluation panel re-scored as follows:

Demonstrations and revised proposals scores					
Proposer name	Technical (max 60%)	Cost (max 40%)	*Cost in \$	Total (max 100%)	Ranking
Miller Ingenuity	51.33	40.00	\$587,585.00	91.33	1
Protran Technology	36.67	29.55	\$795,378.00	66.22	2

*\*Excluding sales tax*

Based on \$587,585.00 + CA Sales tax of \$ \$45,537.84, the overall total is \$633,122.84.

The evaluation panel determined that Miller Ingenuity provided the overall best value proposal to MTS. In summary, the devices functioned as intended, giving an advance second form of a train approaching a worksite, met the portability and fail-safe requirements.

Therefore, staff recommends that the San Diego Metropolitan Transit System (MTS) Board of Directors authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. L1509.0-19 (in substantially the same format as Attachment A), to Miller Ingenuity, for Roadway Worker Early Warning Alarm Electronic Devices, in the amount of \$633,122.84.

/s/ Paul C. Jablonski  
Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)

Attachments: A. Draft Standard Procurement Agreement MTS Doc. No. L1509.0-19  
B. Scope of Work  
C. Cost Proposal

**STANDARD PROCUREMENT AGREEMENT  
FOR  
ROADWAY WORKER EARLY WARNING ALARM ELECTRONIC DEVICES**

This Agreement is entered into this \_\_\_\_ day of \_\_\_\_\_ 2019, in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: Miller Ingenuity Address: 1155 E 8th Street

Form of Business: Corporation Winona, MN 55987  
(Corporation, partnership, sole proprietor, etc.)

Telephone: (585) 469-2603

Email Address: [MEdmonds@milleringenuity.com](mailto:MEdmonds@milleringenuity.com)

Authorized person to sign contracts: Matt Edmonds Director of Technical Sales  
Name Title

**The attached Standard Conditions are part of this Agreement. The Contractor agrees to furnish to MTS, as follows:**

Provide Roadway Worker Early Warning Alarm Electronic Devices as specified in the Scope of Work (attached as Exhibit A), Cost Proposal Form (attached as Exhibit B), and in accordance with the Standard Services Agreement, including Standard Conditions Services (attached as Exhibit C), Federal Requirements (attached as Exhibit D) and Forms (attached as Exhibit E).

The contract term is from September 16, 2019 to June 30, 2021.

Payment terms shall be net 30 days from invoice date. The total cost of this contract is \$587,585.00 + CA Sales Tax \$45,537.84, for a not to exceed \$633,122.84 without the express written consent of MTS.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	CONTRACTOR AUTHORIZATION
By: _____ Chief Executive Officer	Firm: _____
Approved as to form:	By: _____ Signature
By: _____ Office of General Counsel	Title: _____

## SCOPE OF WORK/TECHNICAL SPECIFICATIONS

### 1. General

The safety of workers on MTS's operating railroad is of prime importance. Secondary protection systems exist that warn workers of a train approaching a work zone. Contractor will provide Electronic Roadway Worker Early Warning Alarm Devices that comply with the California Public Utilities Commission (CPUC) General Order 175-A (6.3f).

CPUC General Order 175-A (6.3f) states:

*Beginning November 7, 2017, early warning alarm technology must be used, with the exception that it is recommended but optional when the protections of Sections 6.3.d iii, iv, and v(2) are in place.*

Contractor shall review this General Order for detailed information.

Note: Although the CPUC General Order 175-A went into effect in 2017, due to difficulties in identifying more than one supplier at that time, San Diego Trolley Inc., (SDTI) was granted a time extension by the CPUC until November 6, 2019 in order to comply with this requirement.

As part of the Work Plan, Contractor has shown how the devices proposed meet or exceed the stated objectives discussed in the RFP, including a detailed schedule for completion of the work to meet the date above.

### 2. Train Detection Devices Minimum Technical Requirements

- a. Second Alarm: Contractor shall provide train detection devices to be used as a second form of train approach warning.
- b. Fail-Safe Design: Train detection system must be so designed that it will give the most restrictive signal possible in the event of a system failure.
- c. Portability: The device must be portable and manageable. Weight including batteries should not exceed 20 lbs. per carrying case.

The device must be sturdily constructed and water resistant. Device must be small enough to fit in a large size suitcase type container.

The device will be set up and removed daily at the work sites.

- d. Detection and Warning: The warning device must be capable of detecting a train moving at 60 MPH and sounding an audible alarm at the work site. Advanced warning must be a minimum of 20 seconds before the train enters the work zone.

The device shall be designed for a maximum operating speed of 60MPH.

**The device shall be for field use only and not require train mounted equipment.**

Device must work in an imbedded street track environment around moving motor vehicles.

- e. Transmitting Device: Transmitting device shall be capable of displaying a continuous flashing white strobe light in the direction of approaching trains to alert train operators of work zone ahead.

Transmitting device can be either free standing or rail mounted. Provisions for pole mounting must be included.

Transmitting devices must not interfere with railroad signal detection or traction power systems.

Transmitting device must be able to transmit to the work site receiver in sufficient time to provide a minimum of 20 seconds of warning for a train moving at 60MPH.

Transmitting device must have a minimum operating range of 1,800 feet.

Transmitting device must be capable of communicating with the receiving device around curves, obstructions and un-even topography. Transmitting device must function in a field environment saturated with Electromagnetic Interference (EMI).

- f. Worksite Receiving Device: Receiving worksite device must be capable of sounding an audible alarm between 100-120 dB@ 3 feet and activate a flashing white warning light when activated by an approaching train or manually through a portable device.

Alarm must be adjustable between 100-120 dB@ 3 feet.

Worksite device must alarm continually until silenced manually or by a hand-held device operated by a worksite employee.

- g. Wearable Portable Device Requirements: Wearable devices shall be provided. The wearables are for the Employees in Charge (EICs) and the watchman lookout.

These should be capable of providing train approach warning and communicate with transmitting and Worksite Receiving Devices. Wearable devices shall be capable of sounding a warning of 90dB@ 1 foot.

### 3. **Batteries**

Batteries must be included with each device. They must be rechargeable and maintain a charge life of at least 14 hours and 200 alerts.

100% recharge must be achieved within 8 hours.

Charging stations shall be provided as shown on the cost proposal template form.

**4. Training for SDTI Staff and Written Program**

Upon contract execution, Contractor shall provide the units ordered and provide training to SDTI staff. This training must include a written program to be used as a train the trainer program. The training program shall be submitted in an electronic format.

Contractor has provided a training summary, deliverables, and schedule.

The training and written program costs shall be all-inclusive including but not limited to wages, indirect costs and travel expenses to MTS. MTS will not pay additional costs.

**5. Service and Support**

Contractor has provided service and support in its proposal, both onsite and off-site support including warranty, repair/replacements, updates, upgrades and maintenance.

**6. Warranties-Guarantees**

Contractor warrants that the goods shall be new, free from liens and defects in design, materials, workmanship, and title, and shall conform in all material respects to the terms of this Agreement and to the drawings issued for manufacture by Contractor and accepted by Contractor provided, that this warranty is void if the goods are damaged as a result of misuse, abuse, neglect, accident, improper handling, improper electrical voltages or currents, unauthorized repair, alteration or maintenance, or any use in violation of instructions furnished by Contractor. Unless the warranty period is otherwise extended, the warranty shall apply. If, within one year from the date of commercial operation for the purpose for which the goods were purchased, or 18 months from the date of final delivery, whichever comes first, it appears that the goods, or any part thereof, do not conform to these warranties, and MTS so notifies Contractor within a reasonable time after its discovery, Contractor shall thereupon promptly correct such nonconformity to the reasonable satisfaction of MTS, at Contractor's sole expense.

All other express warranties are hereby excluded and disclaimed. All implied warranties regarding the goods, including without limitation, implied warranties of merchantability and fitness for a particular purpose, are hereby expressly excluded and disclaimed. The limited warranty specified above will constitute the exclusive remedy with respect to claims, losses or damages relating to or arising from the purchase, installation and/or use of the goods.

**7. Payment Terms**

Unless otherwise stated in the specifications or cost proposal forms, one hundred percent (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.***

**8. Invoicing**

Contractor shall email invoices to [AP@sdmts.com](mailto:AP@sdmts.com). MTS will make payments within thirty (30) days of invoice date. All invoices must have the date, time and units delivered. Contractor shall reference the MTS Purchase Order number on all invoices.

Invoices shall be based on work completed and accepted by the MTS Project Manager and must be accompanied by documented proof of acceptance by MTS.

DRAFT

**Attachment C**

<b>MILLER INGENUITY</b>					
<b>Part</b>	<b>Item Description</b>	<b>Kits</b>	<b>Qty</b>	<b>Unit Cost</b>	<b>Extended Total</b>
3104-400	Portable Train Detection Module (PTDM)	2 per kit	72	\$ 2,500.00	\$ 180,000.00
3105-400	Portable Train Alert Module (PTAM)	4 per kit	144	\$ 2,000.00	\$ 288,000.00
3107-400	ZoneGuard, RWIC Wearable Unit	1 per kit	36	\$ 1,000.00	\$ 36,000.00
3108-400	ZoneGuard, Lookout Wearable Unit	2 per kit	72	\$ 1,000.00	\$ 72,000.00
3109-400	Custom Carry Case w/ charging	1 per kit	36	\$ 1,200.00	\$ 43,200.00
3110-400	ZoneGuard, Portable Battery Backup		4	\$ 1,200.00	\$ 4,800.00
	ZoneGuard, In-Street PTDM Stand		6	\$ 275.00	\$ 1,650.00
Training & written program (Lump sum)					\$ -
<b>ALL INCLUSIVE TOTAL</b>					<b>\$ 625,650.00</b>
<b>DISCOUNT</b>					<b>\$ (38,065.00)</b>
<b>BAFO</b>					<b>\$ 587,585.00</b>
<b>CA SALES TAX</b>					<b>\$ 45,537.84</b>
<b>TOTAL BOARD APPROVAL</b>					<b>\$ 633,122.84</b>



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

September 12, 2019

#### SUBJECT:

SAN DIEGO STATE UNIVERSITY (SDSU) VARIABLE FREQUENCY DRIVES (VFD)  
REPLACEMENT – CONTRACT AWARD

#### RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors (Board) authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWL283.0-19 (in substantially the same format as Attachment A) with NEWest Construction for the replacement of four (4) VFDs at the SDSU Trolley Station, in the amount of \$477,350.00.

#### Budget Impact

The value of this agreement will not exceed \$477,350 and is funded under the fiscal year (FY) 2020 Capital Improvement Program (CIP) funding budget, WBSE # 2006109301.

#### DISCUSSION:

In 2016, the State Fire Marshal inspected the SDSU station and tunnel fire system. As a result of the inspection, MTS received a Fire Safety correction notice citing two required actions:

- upgrade to the existing VFD (fan control system) and
- upgrade of the preventative maintenance program.

The preventative maintenance upgrades were implemented in 2017 and are being performed by the certified contractor (Simplex /Comfort Air). The purpose of this contract is to comply with the final citation from the 2016 SFM inspection report and install new VFDs.





On July 11, 2019 staff issued an Invitation for Bids (IFB). The following bids were received:

SDSU VFDs Replacement	
COMPANY NAME	BID AMOUNT
NEWest Construction	\$477,350
Baker Electric	\$490,383
Chula Vista Electric	\$551,176
ICE	\$678,554.35

Based on the bids received, and in comparison with the independent cost estimate (ICE), NEWest's price of \$477,350 was determined to be fair and reasonable.

Therefore, staff recommends that the MTS Board authorize the CEO to execute MTS Doc. No. PWL283.0-19 (in substantially the same format as Attachment A) with NEWest Construction Company for the replacement of four (4) VFDs at the SDSU Trolley Station in the amount of \$477,350.

/s/ Paul C. Jablonski \_\_\_\_\_  
Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)

Attachment: A. Draft MTS Doc. No. PWL283.0-19

PWL283.0-19 CONTRACT NUMBER
--------------------------------

**STANDARD CONSTRUCTION AGREEMENT  
FOR  
SDSU VFD (VARIABLE FREQUENCY DRIVE) REPLACEMENT**

THIS AGREEMENT is entered into this \_\_\_\_\_ day of \_\_\_\_\_ 2019, in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: <u>NEWest Construction</u>	Address: <u>9235 Trade Place, Suite A</u>
Form of Business: <u>Corporation</u> (Corporation, Partnership, Sole Proprietor, etc.)	<u>San Diego, CA 92126</u>
Telephone: <u>858.537.0774</u>	Email Address: <u>mjennette@newestco.com</u>
Authorized person to sign contracts: <u>Mark Jennette</u>	<u>President</u>
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 the Scope of Work (Exhibit A), Bid Proposal (Exhibit B), and in accordance with the Standard Construction Agreement and Special Conditions (Exhibit C).

**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:

**SDSU VFD (VARIABLE FREQUENCY DRIVE) REPLACEMENT**

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 Work required by the Contract Documents within ***180 calendar days*** from the commencement date stated in the Notice to Proceed. By its signature hereunder, Contractor agrees the Contract Time is adequate and reasonable to complete the Work.

**CONTRACT PRICE.**

MTS shall pay to 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 four hundred seventy-seven thousand three hundred and fifty dollars (\$\_477,350.00). Payment shall be made as set forth in the General Conditions.

#### **LIQUIDATED DAMAGES.**

It is agreed that the Contractor will pay MTS the sum of **\$3,610.00** for each and every calendar day of delay beyond the time prescribed in the Contract Documents for finishing the Work, as Liquidated Damages and not as a penalty or forfeiture. In the event this is not paid, the Contractor agrees MTS may deduct that amount from any money due or that may become due the Contractor under the Contract. This Section does not exclude recovery of other damages specified in the Contract Documents.

#### **COMPONENT PARTS OF THE CONTRACT.**

The "Contract Documents" include the following:

- Invitation for Bids (IFB)
- Information and Instructions for Bidders
- Contractor's Bid Forms
- Bid Bond
- Designation of Subcontractors
- Designation of Other Third Party Contractors
- Information Required of Bidders
- Non-Collusion Declaration Form
- Iran Contracting Act Certification
- Public Works Contractor Registration Certification
- Performance Bond
- Payment (Labor and Materials) Bond
- General Conditions
- Special Provisions (or Special Conditions)
- Technical Specifications prepared by NA, dated \_
- Standard Specifications (Excluding sections 1-9 in their entirety)
- Addenda
- Plans prepared by NA, dated \_
- Change Orders as executed by MTS

The Contractor shall complete the Work in strict accordance with all of the Contract Documents.

This Contract shall supersede any prior agreement of the parties.

#### **PROVISIONS REQUIRED BY LAW.**

Each and every provision of law required to be included in these Contract Documents shall be deemed to be included in these Contract Documents. The Contractor shall comply with all requirements of the California Labor Code applicable to this Project.

#### **INDEMNIFICATION.**

Contractor shall provide indemnification as set forth in the General Conditions.

#### **PREVAILING WAGES.**

Contractor shall be required to pay the prevailing rate of wages in accordance with the Labor Code which such rates shall be made available at MTS's Administrative Office or may be obtained online at <http://www.dir.ca.gov> and which must be posted at the job site

SAN DIEGO METROPOLITAN TRANSIT SYSTEM	CONTRACTOR AUTHORIZATION
By: _____ Chief Executive Officer	Firm: _____
Approved as to form:	By: _____ Signature
By: _____ Office of General Counsel	Title: _____

DRAFT



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

September 12, 2019

#### SUBJECT:

ENTERPRISE STORAGE REFRESH – CONTRACT AWARD

#### RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors (Board) authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. G2282.0-19 (in substantially the same format as Attachment A), with Nth Generation Computing, Inc. for the Enterprise Storage Refresh in the amount of \$731,867.40.

#### Budget Impact

The value of this agreement will not exceed \$731,867.40 including tax. The project will be funded through the Information Technology (MTS IT) operating budget account 661010-571250 for ongoing maintenance support and Capital Improvement Program (CIP) WBSE# 1007108601 for the one-time purchase of hardware and the initial install and support of initial set-up.

Budget	Amount
661010-571250	\$162,792.00
1007108601	\$531,815.00
Total	\$694,607.00

#### DISCUSSION:

MTS utilizes two HPE 3PAR 7400 enterprise storage arrays (3PARs) as its main production storage platform in each of the Imperial Avenue Division (IAD) and Operations Control Center (OCC) datacenters. The 3PARs provide the underlying storage for the entire virtual environment and multiple database servers and file servers at these locations. The 3PARs are currently at the end of their service life. Yearly support costs are approximately \$70,000 per year, but this service will terminate within



the next couple of years as the equipment is phased out of use by the market. MTS IT staff has found a compatible replacement array -- the HPE Nimble HF40 storage array. A refresh of new Storage Area Network (SAN) fiber switches is also necessary as part of this project.

MTS IT staff will utilize professional IT services to assist in the initial setup and configuration of the replacement SAN switches and Nimble storage arrays, while the main migration of the data will be handled by MTS IT. Ongoing hardware and software support for the switches and Nimble arrays will be funded via the IT operating budget.

On July 22, 2019, MTS issued an Invitation for Bids for Enterprise Storage Refresh. Two bids were received on August 13, 2019 from Nth Generation and Bear Cloud, as follows:

Company Name	Grand Total
Nth Generation	\$731,867.40
Bear Cloud Technologies	\$932,524.97

After conducting price reasonableness analyses and reviewing all bids received for responsiveness and responsibility, staff determined that Nth Generation is the lowest responsive and responsible bid.

Therefore, staff recommends that the MTS Board authorize the CEO to execute MTS Doc. No. G2282.0-19 with Nth Generation for Enterprise Storage Refresh in the amount of \$731,867.40.

/s/ Paul C. Jablonski  
Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)

Attachment: A. Services Agreement MTS Doc. No. G2282.0-19

**STANDARD SERVICES AGREEMENT  
FOR  
ENTERPRISE STORAGE REFRESH**

G2282.0-19 CONTRACT NUMBER
-------------------------------

THIS AGREEMENT is entered into this \_\_\_\_\_ day of \_\_\_\_\_ 2019, in the State of California by and between San Diego Metropolitan Transit System ("MTS"), a California public agency, and the following, hereinafter referred to as "Contractor":

Name: Nth Generation Computing Inc. Address: 17055 Camino San Bernardo

Form of Business: Corporation San Diego, CA 92127  
(Corporation, partnership, sole proprietor, etc.)

Telephone: 858-451-2383 Email Address: [bids@nth.com](mailto:bids@nth.com)

Authorized person to sign contracts: Joyce Russell EVP/CFO  
Name Title

**The attached Standard Conditions are part of this Agreement. The Contractor agrees to furnish to MTS services and materials, as follows:**

Provide equipment, installation, and support services for HPE Nimble HF40 Array and HPE StoreFabric SN6600B switches as specified in the Scope of Work (attached as Exhibit A), Bid Form (attached as Exhibit B), and in accordance with the Standard Services Agreement, including Standard Conditions Services (attached as Exhibit C), Federal Requirements (attached as Exhibit D) and Forms (attached as Exhibit E).

The contract term is for up to five (5) years effective October 1, 2019 through September 30, 2024.

Payment terms shall be net 30 days from invoice date. The total cost of this contract shall not exceed \$731,867.40 without the express written consent of MTS.

SAN DIEGO METROPOLITAN TRANSIT SYSTEM

CONTRACTOR AUTHORIZATION

By: \_\_\_\_\_  
Chief Executive Officer

Firm: \_\_\_\_\_

Approved as to form:

By: \_\_\_\_\_  
Signature

By: \_\_\_\_\_  
Office of General Counsel

Title: \_\_\_\_\_



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

September 12, 2019

#### SUBJECT:

IMPERIAL AVENUE DIVISION (IAD) ZERO EMISSION BUS (ZEB) CHARGER  
INSTALLATION PHASE I – CHANGE ORDERS 2 - 10

#### RECOMMENDATION:

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

- 1) Ratify MTS Doc. No. PWB268.2-19 (Construction Change Orders 3 through 5) with Alvarez & Shaw totaling \$96,284.28, for ZEB Charger Installation Phase I Project; and
- 2) Authorize the Chief Executive Officer (CEO) to execute MTS Doc. No. PWB268.3-19 for Change Orders 2 and 6 through 10, with Alvarez & Shaw, for \$72,990.26.

#### Budget Impact

The total additional Board Authority in this request, inclusive of Change Orders 2 and 6-10 is \$72,990.26 as follows:

Change Order (CO)	Amount
<b>Original Board Approval</b>	<b>\$361,677.50</b>
Amendment 1 (time extension)	\$0.00
Amendment 2 - CO3-5 (ratify)	\$96,284.28
Amendment 3 - CO2, 6-10 (authorize)	\$72,990.26
<b>Total</b>	<b>\$530,952.04</b>





Funding is included in the fiscal year (FY) 2018, FY 2019 and FY 2020 Capital Improvement Program (CIP) budgets.

#### DISCUSSION:

In continued efforts to reduce carbon emissions in San Diego, the MTS Board of Directors unanimously approved the implementation of a ZEB pilot program. Part of the pilot program includes the purchase of six (6) 40-foot electric buses from New Flyer and options to purchase twelve (12) depot chargers. Purchase of two (2) additional 40-foot electric buses from a second manufacturer, Gillig, Inc., is proposed for the Board's approval today (AI 16).

The ZEBs will be utilized on existing routes throughout San Diego. The pilot program will allow MTS to analyze vehicle performance, challenges and capabilities. Staff will also analyze characteristics such as route profiles, passenger loads, operator performance, and battery capacity. In order to run the buses, depot chargers need to be installed to recharge the buses overnight.

The IAD ZEB Phase I Charger Installation Project consists of the installation of six (6) charging stations at the IAD facility with related new electrical service, an SDG&E meter, transformer, switchgear, related underground conduit and conductors. Six (6) additional chargers will be installed at other locations during Phase II of the project.

MTS currently has an existing contract with Alvarez & Shaw for construction of the IAD ZEB Phase I Charger Installation Project. Construction started in April 2019 and was primarily completed at the beginning of August 2019. Only punch list items remain.

During the course of construction, several unforeseen conditions arose. The project requires that three separate trenches be constructed for the underground electrical runs. During excavation, it was discovered that each trench area had extensive amounts of concrete, rubble, and miscellaneous debris from older buildings that had been partially demolished and left underground. The three trenches were constructed sequentially and change orders were processed at each point of construction, resulting in multiple change orders of similar scope. Under Board Policy No. 41.4.4, the CEO has authority to approve contract change orders up to \$100,000. Any change orders that cumulatively exceed \$100,000 must be approved by the Board.

Today's proposed action would ratify the change orders totaling \$96,284.28 approved by the CEO under Policy 41.4.4. Those Change Orders are summarized as follows:

Ratification		
CCO 3	Concrete Removal - removal of concrete debris and rubble that was encountered in all of the underground trenches. It consists of the necessary breaking out of the concrete, removal of misc. steel & debris but excluded hauling and disposal.	\$24,788.88

CCO 4	Concrete Removal and Debris Hauling - additional costs related to the unforeseen buried objects in the trench. There were three separate trenches and this change order was provided at completion of the first trench. It included an additional 135 SF of asphalt removal, 357 SF of concrete removal, 92.1 CY of hazardous material hauling and disposal, 92.1 CY of trench excavation, resulting additional 40.4 tons of asphalt pavement and additional 5.5 CY of concrete pavement.	\$66,612.05
CCO 5	Debris Hauling - hauling and disposal of the concrete and debris that was removed as part of Change Order 3 as Change Order 3 excluded hauling and disposal costs.	\$4,883.35
	<b>TOTAL</b>	<b>\$96,284.28</b>

Today's proposed action would also approve the following additional Changes Orders, totaling \$72,990.26:

New Change Orders – Approval		
CCO 2	Waterline Repairs - repair of a damaged waterline that was damaged during construction. The damage was caused by the original construction installation and disturbance from construction activities, but not directly caused by the contractor.	\$13,642.00
CCO 6	Charger Wires - replacement of wire that was installed per contract. Subsequent to the install of the charger wire, the charger manufacturer provided direction to change the wire to meet their requirements in order to make the chargers functional.	\$4,605.30
CCO 7	Temporary Generator - the temporary rental of a generator to provide power to the bus wash and CNG facility. SDG&E failed to provide information prior to construction of the transformer electrical feeds, so shortly prior to the necessary power outage, it was determined that MTS would lose power to the entire CNG facility. The need to rent a temporary generator to power the CNG facility was critical to not impact operations.	\$16,882.95
CCO 8	Slurry Overrun - additional 145 cubic yards of slurry needed to backfill the trench. The additional trench volume is related to the unforeseen buried objects in the trench. The requirement was to increase the trench volume to remove concrete and other items, increase the trench depth to meet SDGE's requirements, and deeper than expected existing utilities.	\$20,639.00

CCO 9	Switchgear Expedite - fees paid to the manufacturer to expedite the delivery of the switchgear to meet the original completion date tied to bus delivery. The lead time for the switchgear changed from all manufacturers after bid time and the original equipment manufacturer would not stand by their quote at bid time.	\$2,951.75
CCO 10	Quantity Overrun - additional costs related to the unforeseen buried objects in the trench, including: an extra 14.81 cubic yards of non-hazardous material hauling and disposal, 14.81 cubic yards of excavation work, and 15.5 cubic yards of additional concrete pavement work.	\$14,269.26
	TOTAL	\$72,990.26

All items above have been reviewed by staff and determined to be necessary to complete the project. The negotiated costs are fair and reasonable.

/s/ Paul C. Jablonski  
Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)

Attachments: A. CCO 3-5 from MTS Doc. No. PWB268.2-19  
B. CCO 2, 6-10 from Draft MTS Doc. No. PWB268.3-19



## CONSTRUCTION CHANGE ORDER

Project Name: **ZEB PHASE 1**Date: **7/8/19**To: **MTS**Contract Number: **PWB268.1-19**From (Contractor): **ALVAREZ & SHAW**CCO Number: **3**

### Description of Work

This CCO is prepared in accordance with and incorporates Section 4.32 of the Contract Documents and consists of a change in site condition - concrete, rubble. See attached for pricing detail. *PCO2*

### A. Contractor Cost of the Work

Payroll Costs (See attached supporting documentation.)

\$ -

Materials (See attached supporting documentation.)

\$ -

Equipment (See attached supporting documentation.)

\$ -

Consultant Costs (See attached supporting documentation.)

\$ -

Supplemental Costs (See attached supporting documentation.)

\$ -

Other - describe services

\$ 24,788.88

Other - describe services

\$ -

**Subtotal A: \$ 24,788.88**

### B. Subcontractor Cost of the Work

Payroll Costs (See attached supporting documentation.)

\$ -

Equipment (See attached supporting documentation.)

\$ -

Materials (See attached supporting documentation.)

\$ -

Consultant Costs (See attached supporting documentation.)

\$ -

Supplemental Costs (See attached supporting documentation.)

\$ -

**Subtotal B: \$ -**

### C. Contractor Fee: (As per the Contract Documents)

Overhead and Profit

☐

Overhead and Profit on Subcontractors

☐

\$ -

Bonds and Insurance

☐

\$ -

**Subtotal C: \$ -**

Total = (A + B + C)

**Total: \$ 24,788.88**

Original Contract value:

\$ -

Adjustment by Change Order No. X through Change Order X (if applicable)

\$ -

Adjustment by this Change Order

\$ 24,788.88

New Contract Amount

Total:

\$ 24,788.88

The Contract Time due to this Change Order will be: ☐ Increased ☐ Decreased ☒ Unchanged

Original Completion Date:

Adjustment by this Change Order

New Completion Date

Milestones Affected:

Add Descriptions of any milestones affected as a result of a change in services, term, and/or price

Contractor

Date: 7/9/19

MTS Chief Executive Officer

Date: 7/12/19

Follow all applicable procedures and provide all appropriate documentation as required by the Contract Documents.



## CONSTRUCTION CHANGE ORDER

Project Name: **ZEB PHASE 1**Date: **7/8/19**To: **MTS**Contract Number: **PWB268.1-19**From (Contractor): **ALVAREZ & SHAW**CCO Number: **4**

### Description of Work

This CCO is prepared in accordance with and incorporates Section 4.32 of the Contract Documents and consists of multiple qty. changes - see attached. *PC03*

### A. Contractor Cost of the Work

Payroll Costs (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	
Total qty. change value	\$ 66,612.05	
Other - describe services	\$ -	
		<b>Subtotal A: \$ 66,612.05</b>

### B. Subcontractor Cost of the Work

Payroll Costs (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	
		<b>Subtotal B: \$ -</b>

### C. Contractor Fee: (As per the Contract Documents)

Overhead and Profit	<b>5%</b>	
Overhead and Profit on Subcontractors	<b>-5%</b>	\$ -
Bonds and Insurance	<b>1%</b>	
		<b>Subtotal C: \$ -</b>

Total = (A + B + C)      **Total: \$ 66,612.05**

Original Contract value:	\$
Adjustment by Change Order No. <u>X</u> through Change Order <u>X</u> (if applicable)	\$
Adjustment by this Change Order	\$ 66,612.05
New Contract Amount	\$ 66,612.05
Total:	\$ 66,612.05

The Contract Time due to this Change Order will be: ☐ Increased ☐ Decreased ☒ Unchanged

Original Completion Date:

Adjustment by this Change Order

New Completion Date

Milestones Affected: Add Descriptions of any milestones affected as a result of a change in services, term, and/or price

Contractor

Date: *7/9/19*

MTS Chief Executive Officer

Date: *7/19/19*

Follow all applicable procedures and provide all appropriate documentation as required by the Contract Documents.





Att. A, AI 13, 9/12/19

**CONSTRUCTION CHANGE ORDER**Project Name: **ZEB PHASE 1**Date: **7/8/19**To: **MTS**Contract Number: **PWB268<sup>2</sup>4-19**From (Contractor): **ALVAREZ & SHAW**CCO Number: **5****Description of Work**

This CCO is prepared in accordance with and incorporates Section 4.32 of the Contract Documents and consists of hauling concrete / rubble from condition change - see attached. **PC04**

**A. Contractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)

\$ -

Materials (See attached supporting documentation.)

\$ -

Equipment (See attached supporting documentation.)

\$ -

Consultant Costs (See attached supporting documentation.)

\$ -

Supplemental Costs (See attached supporting documentation.)

\$ -

Total qty. change value

\$ 4,883.35

Other - describe services

\$ -

**Subtotal A: \$ 4,883.35****B. Subcontractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)

\$ -

Equipment (See attached supporting documentation.)

\$ -

Materials (See attached supporting documentation.)

\$ -

Consultant Costs (See attached supporting documentation.)

\$ -

Supplemental Costs (See attached supporting documentation.)

\$ -

**Subtotal B: \$ -****C. Contractor Fee: (As per the Contract Documents)**

Overhead and Profit

**5%**

Overhead and Profit on Subcontractors

**-5%**

\$ -

Bonds and Insurance

**1%**

\$ -

**Subtotal C: \$ -**

Total = (A + B + C)

**Total: \$ 4,883.35**

Original Contract value:

\$

Adjustment by Change Order No. ~~X~~ through Change Order ~~X~~ (if applicable)

\$

Adjustment by this Change Order

\$ 4,883.35

New Contract Amount

Total:

\$ 4,883.35

The Contract Time due to this Change Order will be: ☐ Increased ☐ Decreased ☒ Unchanged

Original Completion Date:

Adjustment by this Change Order

New Completion Date

Milestones Affected:

Add Descriptions of any milestones affected as a result of a change in services, term, and/or price

Contractor

Date:

**7/9/19**

MTS Chief Executive Officer

Date:

**7/15/19**

Follow all applicable procedures and provide all appropriate documentation as required by the Contract Documents.

**CONSTRUCTION CHANGE ORDER**Project Name: **ZEB PHASE 1**Date: **7/8/19**To: **MTS**  
From (Contractor): **ALVAREZ & SHAW**Contract Number: **PWB268.2-19**  
CCO Number: **2****Description of Work**

This CCO is prepared in accordance with and incorporates Section 4.32 of the Contract Documents and consists of a waterline repairs. See attached for pricing detail.

**A. Contractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	
Total Price - See attached for backup.	\$ 13,642.00	
Other - describe services	\$ -	Subtotal A: \$ 13,642.00

**B. Subcontractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	Subtotal B: \$ -

**C. Contractor Fee:** (As per the Contract Documents)

Overhead and Profit			
Overhead and Profit on Subcontractors		\$ -	
Bonds and Insurance			
			Subtotal C: \$ -

Total = (A + B + C) **Total: \$ 13,642.00**

Original Contract value:

Adjustment by Change Order No. **1**

Adjustment by this Change Order

New Contract Amount

Total:

\$	
\$	13,642.00
\$	13,642.00

The Contract Time due to this Change Order will be: ☐ Increased ☐ Decreased ☒ Unchanged

Original Completion Date:

Adjustment by this Change Order

New Completion Date

Milestones Affected: Add Descriptions of any milestones affected as a result of a change in services, term, and/or price

Contractor

Date:

MTS Chief Executive Officer

Date:

Follow all applicable procedures and provide all appropriate documentation as required by the Contract Documents.

July 8, 2019  
19-005 IAD ZEB 002

Metropolitan Transit System  
Mr. Elias Belknap  
1255 Imperial Avenue, Suite 1000  
San Diego, CA 92101

CONTRACT: PWB268.0-19 Imperial Avenue Division ZEB Charger Project Phase 1

SUBJECT: Proposed Change Order #001 – Waterline Repairs

REFERENCE: 1. Extra Work Bills for 4/10, 4/11, 4/12, and 4/15, attached  
2. Authorization to proceed, email dated 4/9/19

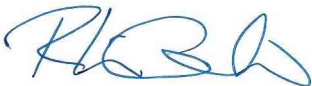
Dear Mr. Belknap,

Pursuant to the direction provided in your email received on 4/9/19, to proceed with repairs to the broken waterline, Alvarez and Shaw has completed the repairs and is pleased to provide MTS with the completed repair costs, for a lump sum total in the amount of Thirteen Thousand Six Hundred Forty-Two Dollars and Seventy Cents (\$13,642.70).

Alvarez and Shaw requests review and approval of the attached Extra Work Bills (EWB's) for immediate issuance of a corresponding change order for incorporation of the completed work into the Contract, whereby Alvarez and Shaw can be compensated accordingly.

Do not hesitate to call with any questions.

Best regards,



Rubén Claudio  
Operations Manager  
Office [\(619\) 383-4102](tel:6193834102)  
Mobile [\(760\) 497-6668](tel:7604976668)  
[rclaudio@alvarezandshaw.com](mailto:rclaudio@alvarezandshaw.com)



**CONSTRUCTION CHANGE ORDER**Project Name: **ZEB PHASE 1**Date: **7/8/19**To: **MTS**  
From (Contractor): **ALVAREZ & SHAW**Contract Number: **PWB268.1-19**  
CCO Number: **6****Description of Work**

This CCO is prepared in accordance with and incorporates Section 4.32 of the Contract Documents and consists of wire change costs - see attached.

**A. Contractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	
Total qty. change value	\$ 4,605.30	
Other - describe services	\$ -	
		<b>Subtotal A: \$ 4,605.30</b>

**B. Subcontractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	
		<b>Subtotal B: \$ -</b>

**C. Contractor Fee:** (As per the Contract Documents)

Overhead and Profit	<b>5%</b>	
Overhead and Profit on Subcontractors	<b>-5%</b>	
Bonds and Insurance	<b>1%</b>	
		<b>Subtotal C: \$ -</b>

**Total = (A + B + C)      Total: \$ 4,605.30**

Original Contract value:	\$
Adjustment by Change Order No. <b>X</b> through Change Order <b>X</b> (if applicable)	\$
Adjustment by this Change Order	\$ 4,605.30
New Contract Amount	<b>Total: \$ 4,605.30</b>

The Contract Time due to this Change Order will be: ☐ Increased ☐ Decreased ☒ Unchanged

Original Completion Date:	
Adjustment by this Change Order	
New Completion Date	

Milestones Affected: Add Descriptions of any milestones affected as a result of a change in services, term, and/or price

Contractor

Date:

MTS Chief Executive Officer

Date:

Follow all applicable procedures and provide all appropriate documentation as required by the Contract Documents.

June 14, 2019  
19-005 IAD ZEB 005

Metropolitan Transit System  
Mr. Elias Belknap  
1255 Imperial Avenue, Suite 1000  
San Diego, CA 92101

CONTRACT: PWB268.0-19 Imperial Avenue Division ZEB Charger Project Phase 1

SUBJECT: Proposed Change Order #005 – RFI #010 Wire Change Cost Impacts

REFERENCE: 1. Wire Change Cost Breakdown, attached  
2. RFI #010

Dear Mr. Belknap,

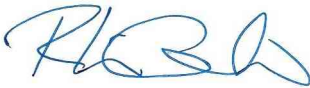
Pursuant to the direction provided in response to RFI #010, Alvarez and Shaw, and our subcontractor Baker Electric, has proceeded with the ordering and release of the newly specified wire for the electric bus chargers. As discussed in this week's weekly progress meeting, the wire specified in RFI #010 was a change from the Contract Documents and new wire had to be ordered. Due to the specifications of the original wire, Baker is unable to return the original wire and the new wire purchase per RFI #010 will be additional to the Contract.

Alvarez and Shaw is pleased to provide the MTS with the additional cost of the new wire in the amount of Four Thousand Six Hundred Five Dollars and Thirty Cents (\$4,605.30).

Alvarez and Shaw requests that MTS issue a change order immediately for the incorporation of the directed changes per RFI #010 into the Contract, whereby Alvarez and Shaw and Baker Electric can be compensated accordingly.

Do not hesitate to call with any questions.

Best regards,



Rubén Claudio  
Operations Manager  
Office [\(619\) 383-4102](tel:6193834102)  
Mobile [\(760\) 497-6668](tel:7604976668)  
[rclaudio@alvarezandshaw.com](mailto:rclaudio@alvarezandshaw.com)

**CONSTRUCTION CHANGE ORDER**Project Name: **ZEB PHASE 1**Date: **8/20/19**To: **MTS**  
From (Contractor): **ALVAREZ & SHAW**Contract Number: **PWB268.3-19**  
CCO Number: **7****Description of Work**

This CCO is prepared in accordance with and incorporates Section 4.32 of the Contract Documents and consists of an additional temporary generator - see attached.

**A. Contractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	
Total qty. change value		
generator rental	\$ 16,882.95	Subtotal A: \$ 16,882.95

**B. Subcontractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	Subtotal B: \$ -

**C. Contractor Fee:** (As per the Contract Documents)

Overhead and Profit	5%	
Overhead and Profit on Subcontractors	-5%	
Bonds and Insurance	1%	
		Subtotal C: \$ -

Total = (A + B + C) **Total: \$ 16,882.95**

Original Contract value:	\$
Adjustment by Change Order No. <u>X</u> through Change Order <u>X</u> (if applicable)	\$
Adjustment by this Change Order	\$ 16,882.95
New Contract Amount	Total: \$ 16,882.95

The Contract Time due to this Change Order will be: ☐ Increased ☐ Decreased ☒ Unchanged

Original Completion Date:	
Adjustment by this Change Order	
New Completion Date	

Milestones Affected: Add Descriptions of any milestones affected as a result of a change in services, term, and/or price

Contractor

Date:

MTS Chief Executive Officer

Date:

Follow all applicable procedures and provide all appropriate documentation as required by the Contract Documents.

**CONSTRUCTION CHANGE ORDER**Project Name: **ZEB PHASE 1**Date: **8/20/19**To: **MTS**  
From (Contractor): **ALVAREZ & SHAW**Contract Number: **PWB268.3-19**  
CCO Number: **8****Description of Work**

This CCO is prepared in accordance with and incorporates Section 4.32 of the Contract Documents and consists of a qty. overrun of slurry.

**A. Contractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -
Materials (See attached supporting documentation.)	\$ -
Equipment (See attached supporting documentation.)	\$ -
Consultant Costs (See attached supporting documentation.)	\$ -
Supplemental Costs (See attached supporting documentation.)	\$ -
Total qty. change value	\$ 20,639.00

**Subtotal A: \$ 20,639.00****B. Subcontractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -
Equipment (See attached supporting documentation.)	\$ -
Materials (See attached supporting documentation.)	\$ -
Consultant Costs (See attached supporting documentation.)	\$ -
Supplemental Costs (See attached supporting documentation.)	\$ -

**Subtotal B: \$ -****C. Contractor Fee:** (As per the Contract Documents)

Overhead and Profit	<b>5%</b>	
Overhead and Profit on Subcontractors	<b>-5%</b>	\$ -
Bonds and Insurance	<b>1%</b>	

**Subtotal C: \$ -****Total = (A + B + C)****Total: \$ 20,639.00**

Original Contract value:	\$
Adjustment by Change Order No. <b>X</b> through Change Order <b>X</b> (if applicable)	\$
Adjustment by this Change Order	\$ 20,639.00
New Contract Amount	Total: \$ 20,639.00

The Contract Time due to this Change Order will be: ☐ Increased ☐ Decreased ☒ Unchanged

Original Completion Date:	
Adjustment by this Change Order	
New Completion Date	

Milestones Affected: Add Descriptions of any milestones affected as a result of a change in services, term, and/or price

Contractor

Date:

MTS Chief Executive Officer

Date:

Follow all applicable procedures and provide all appropriate documentation as required by the Contract Documents.

August 13, 2019  
19-005 IAD ZEB 008

Metropolitan Transit System  
Mr. Elias Belknap  
1255 Imperial Avenue, Suite 1000  
San Diego, CA 92101

CONTRACT: PWB268.0-19 Imperial Avenue Division ZEB Charger Project Phase 1

SUBJECT: Proposed Change Order #007 – Slurry Overrun

REFERENCE: 1. Pay Item #12 – Utility Excavation final quantity, attached  
2. Slurry tickets, attached  
3. Letters 007 and 003R1

Dear Mr. Belknap,

Per our discussions on numerous occasions, due to the volume of excavation required for the installation of the new electrical infrastructure, the amount of slurry required to backfill far exceeded what could have been reasonably anticipated at time of bid. Accordingly, Alvarez and Shaw requests to be equitably compensated for the volume of slurry above and beyond the volume of utility trench excavation that was defined by the Engineer at bid time.

To summarize, Alvarez and Shaw requests that the following volume of slurry be paid for at the rate indicated in the table below:

	Description	Unit	Original Quantity	Quantity to Date	Quantity Increase	Unit Price	Quantity Increase Value
	Slurry Overrun	CY	45	190	145	\$ 142.34	\$ 20,639.00

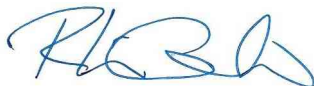
Total Value of Quantity Increases to Date \$ 20,639.00

The volume presented above is calculated from the total volume of excavation, less the engineer's estimate of Forty-Five (45) Cubic Yards. (Total Volume of 190 CY – 45 CY = 145 CY). All pertinent backup is attached and the unit cost is calculated from what Baker Electric billed Alvarez and Shaw, including our allowable markup of 5%.

Accordingly, Alvarez and Shaw requests that MTS issue a change order in the amount of Twenty Thousand Six Hundred Thirty-Nine Dollar and Zero Cents (\$20,639.00) for the additional volume of slurry required as indicated above so that Alvarez and Shaw can immediately submit for payment for the work performed and in place.

Do not hesitate to call with any questions.

Best regards,



Rubén Claudio  
Operations Manager  
Office [\(619\) 383-4102](tel:(619)383-4102)  
Mobile [\(760\) 497-6668](tel:(760)497-6668)  
[rclaudio@alvarezandshaw.com](mailto:rclaudio@alvarezandshaw.com)

**CONSTRUCTION CHANGE ORDER**Project Name: **ZEB PHASE 1**Date: **8/20/19**To: **MTS**  
From (Contractor): **ALVAREZ & SHAW**Contract Number: **PWB268.3-19**  
CCO Number: **9****Description of Work**

This CCO is prepared in accordance with and incorporates Section 4.32 of the Contract Documents and consists of added costs for switchgear to expedite.

**A. Contractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -
Materials (See attached supporting documentation.)	\$ -
Equipment (See attached supporting documentation.)	\$ -
Consultant Costs (See attached supporting documentation.)	\$ -
Supplemental Costs (See attached supporting documentation.)	\$ -
expedite costs	\$ 2,951.75

**Subtotal A: \$ 2,951.75****B. Subcontractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -
Equipment (See attached supporting documentation.)	\$ -
Materials (See attached supporting documentation.)	\$ -
Consultant Costs (See attached supporting documentation.)	\$ -
Supplemental Costs (See attached supporting documentation.)	\$ -

**Subtotal B: \$ -****C. Contractor Fee:** (As per the Contract Documents)

Overhead and Profit	<b>5%</b>	
Overhead and Profit on Subcontractors	<b>-5%</b>	\$ -
Bonds and Insurance	<b>1%</b>	

**Subtotal C: \$ -****Total = (A + B + C)****Total: \$ 2,951.75**

Original Contract value:

Adjustment by Change Order No. **X** through Change Order **X** (if applicable)

Adjustment by this Change Order

New Contract Amount

Total:

\$	
\$	
\$	<b>2,951.75</b>
\$	<b>2,951.75</b>

The Contract Time due to this Change Order will be: ☐ Increased ☐ Decreased ☒ Unchanged

Original Completion Date:

Adjustment by this Change Order

New Completion Date

Milestones Affected: Add Descriptions of any milestones affected as a result of a change in services, term, and/or price

Contractor

Date:

MTS Chief Executive Officer

Date:

Follow all applicable procedures and provide all appropriate documentation as required by the Contract Documents.

**CONSTRUCTION CHANGE ORDER**Project Name: **ZEB PHASE 1**Date: **8/20/19**To: **MTS**  
From (Contractor): **ALVAREZ & SHAW**Contract Number: **PWB268.3-19**  
CCO Number: **010****Description of Work**

This CCO is prepared in accordance with and incorporates Section 4.32 of the Contract Documents and consists of qty. changes.

**A. Contractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	
qty. changes	\$ 14,269.26	
		<b>Subtotal A: \$ 14,269.26</b>

**B. Subcontractor Cost of the Work**

Payroll Costs (See attached supporting documentation.)	\$ -	
Equipment (See attached supporting documentation.)	\$ -	
Materials (See attached supporting documentation.)	\$ -	
Consultant Costs (See attached supporting documentation.)	\$ -	
Supplemental Costs (See attached supporting documentation.)	\$ -	
		<b>Subtotal B: \$ -</b>

**C. Contractor Fee:** (As per the Contract Documents)

Overhead and Profit	<b>5%</b>		
Overhead and Profit on Subcontractors	<b>-5%</b>	\$ -	
Bonds and Insurance	<b>1%</b>		
			<b>Subtotal C: \$ -</b>
<b>Total = (A + B + C)</b>			<b>Total: \$ 14,269.26</b>

Original Contract value:	\$
Adjustment by Change Order No. <b>X</b> through Change Order <b>X</b> (if applicable)	\$
Adjustment by this Change Order	\$ 14,269.26
New Contract Amount	Total: \$ 14,269.26

The Contract Time due to this Change Order will be: ☐ Increased ☐ Decreased ☒ Unchanged

Original Completion Date:	
Adjustment by this Change Order	
New Completion Date	

Milestones Affected: Add Descriptions of any milestones affected as a result of a change in services, term, and/or price

Contractor

Date:

MTS Chief Executive Officer

Date:

Follow all applicable procedures and provide all appropriate documentation as required by the Contract Documents.

August 13, 2019  
19-005 IAD ZEB 007

Metropolitan Transit System  
Mr. Elias Belknap  
1255 Imperial Avenue, Suite 1000  
San Diego, CA 92101

CONTRACT: PWB268.0-19 Imperial Avenue Division ZEB Charger Project Phase 1

SUBJECT: Proposed Change Order #003 – Pay Item Quantity Increases

REFERENCE: 1. CCO #004  
2. A&S Letter 003R1, sent 6/20/19

Dear Mr. Belknap,

This letter serves as follow up to the letter sent on 6/20/19. Below is a table that identifies the remaining Pay Items that have quantity increases. Please note all other quantity increases have already been captured in CCO #004.

To summarize, Alvarez and Shaw requests that the quantities for the following pay items be increased as indicated below:

Pay Item	Description	Unit	Original Quantity	Quantity to Date	Quantity Increase	Unit Price	Quantity Increase Value
11	Haul & Disposal of Non-Haz Mat'l in Exc.	CY	45	59.81	14.81	\$ 66.00	\$ 977.46
12	Utility Trench Excavation	CY	137.1	151.91	14.81	\$ 280.00	\$ 4,146.80
17	Install Concrete Pavement	CY	34.5	50	15.5	\$ 590.00	\$ 9,145.00

Total Value of Quantity Increases to Date \$ 14,269.26

(Pay Items #12 & #17 original quantities are reflective of CCO #004's increase in quantities thru the end of June)

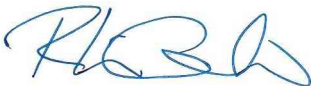
Please note that these remaining quantity increases address quantity overruns thru the completion of all work.

This analysis does not address the overrun of quantity for slurry that will be placed as backfill. Those cost impacts will be submitted under separate cover.

Alvarez and Shaw requests that MTS issue a change order to increase the items as indicated above so that Alvarez and Shaw can immediately submit for payment for work already performed and in place.

Do not hesitate to call with any questions.

Best regards,



Rubén Claudio  
Operations Manager  
Office (619) 383-4102  
Mobile (760) 497-6668  
[rclaudio@alvarezandshaw.com](mailto:rclaudio@alvarezandshaw.com)





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

## Agenda Item No. 14

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

SEPTEMBER 12, 2019

#### SUBJECT:

TRAPEZE SOFTWARE LICENSE AND MAINTENANCE SUPPORT RENEWAL-  
SOLE SOURCE AMENDMENT

#### RECOMMENDATION

That the San Diego Metropolitan Transit System (MTS) Board of Directors (Board) authorize the Chief Executive Officer (CEO) to execute Amendment No. 1 to MTS Doc. No. G2253.1-19 (in substantially the same format as Attachment A) with Trapeze Software Group, Inc. to purchase three (3) Trapeze modules PASS-Web, PASS IVR, and EZ-Wallet for MTS Access, for a total amount of \$586,783.00.

#### Budget Impact

Amendment No. 1 total is \$586,783.00. This will increase the total Board approved project from \$2,908,551.00 to \$3,495,334.00. Funding would come from Capital Improvement Program (CIP) Trapeze IVR/Web Module, WBSE#1009110901.

Product	Budget Account	Budget Amount
PASS-Web	1009110901	\$ 117,401.00
PASS-IVR	1009110901	\$ 170,658.00
EZ-Wallet	1009110901	\$ 238,926.00
1 YR Software Maintenance	1009110901	\$ 59,798.00
Total		\$ 586,783.00



## DISCUSSION:

The San Diego Metropolitan Transit System (MTS) utilizes multiple software products made or owned by Trapeze Software Group, Inc. (Trapeze) related to Paratransit and Fixed Route operations. These products are proprietary to Trapeze and cannot be maintained or serviced by any other company or third-party vendor.

MTS received federal grant funding to purchase three (3) modules that will enhance the passenger experience and enable online payments for Paratransit rides. These three (3) modules are exclusive products of Trapeze and are only available for purchase and implementation by Trapeze.

In accordance with third party contracting guidelines, FTA Circular 4220.1F, Chapter VI, Section 3i(1)(b)1b, a sole source award may be recommended in cases where the recipient (MTS) requires supplies or services available from only one responsible source and no other supplies or services will satisfy its requirements. Here, Trapeze's patent or data rights restrictions preclude competition and a sole source procurement is authorized.

MTS staff has determined the pricing for ongoing license and maintenance and the addition of Trip Broker module to be consistent with historical pricing and found the prices to be fair and reasonable and of the best value to the Agency.

The three modules are described as follows:

### PASS-WEB

The PASS-Web browser based mobile and desktop solution allows riders to monitor the status of their vehicle on a smartphone, tablet or desktop computer. This feature includes the ability to confirm and cancel trips, view past or future trips by week, month or year; view trip details including date, time, provider, origin/destination; the system allows for the editing of personal information. PASS-WEB also allows the rider to include any special instructions regarding pick-ups and the system will confirm the trip booking status. Another feature of the PASS-WEB is the "Where's My Ride" function; which provides real-time information regarding the location of the vehicle, make model and driver information and estimated drop off time.

### PASS-IVR

PASS-IVR works in conjunction with PASS-WEB to provide passengers with account information, previous trip information and the ability to view past trip details. Another feature PASS-IVR provides is the "Call Back Module", that provides passengers with advance day or same day automatic reminders for upcoming scheduled trips, keeps passengers informed of updates to estimated pickup time based on trip adjustments, notifies a passenger when their eligibility is about to expire, and calls passengers who have violated the no-show policy (e.g. no more than 3 no-shows in a month) and remind them of the policy.

## EZ-WALLET

The EZ-Wallet application is designed to allow passengers to add funds to their existing pre-paid fare account, purchase passes, print transit usage reports (for tax purposes) and review historical transactions. Similar to PASS-Web, the application automatically detects the device and browser (Desktop vs. Mobile) and adjusts the display accordingly using a responsive design.

These new features will provide MTS Access riders with an enhanced customer centric system that gives them the most up-to-date and accurate information regarding their planned trips.

Therefore, staff recommends that the MTS Board of Directors authorize the CEO to execute Amendment 1 MTS Doc. No. G2253.1-19 (in substantially the same format as Attachment A) with Trapeze Software Group to purchase three (3) Trapeze modules PASS-Web, PASS IVR, and EZ-Wallet for MTS Access, for a total amount of \$586,783.00.

/s/ Paul C. Jablonski

Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)

Attachments: A. Amendment No. 1. MTS Doc. No G2253.1-19  
B. Trapeze Contract Amendment

September 12, 2019

MTS Doc. No. G2253.1-19

Trapeze Software Group, Inc.  
Mr. Steve Sawyer  
5265 Rockwell Drive NE  
Cedes Rapids, IA 52402

Subject: AMENDMENT NO. 1 TO MTS DOC. NO. G2253.0-19; SOFTWARE LICENSE AND  
MAINTENANCE SUPPORT FOR TRAPEZE PRODUCTS

Mr. Steve Sawyer:

This shall serve as Amendment No. 1 to our agreement for Trapeze Software License and Maintenance Support as further described below.

#### SCOPE

This amendment shall provide the purchase of three (3) software modules for MTS Access PassWeb, Pass IVR, and EZ-Wallet as detailed in Attachment A.

#### SCHEDULE

There are no changes on the schedule.

#### PAYMENT

As a result of this Amendment the contract value will increase by \$586,783.00 from \$1,277,766.00 to a grand total of \$1,864,549.00. All other conditions remain unchanged.

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

Sincerely,

Agreed:

\_\_\_\_\_  
Paul C. Jablonski

\_\_\_\_\_  
Steve Sawyer  
Chief Operating Officer

Date: \_\_\_\_\_

CL-G2253.1-19.TRAPEZE.CBROWN

Enclosure: Attachment A- Scope of Work

cc: J. Washburn, S. Bobek, S. Elmer, R. De Gala

**CONTRACT AMENDMENT #13**  
**to**  
**STANDARD SERVICES AGREEMENT**

**THIS AMENDMENT** is made effective this \_\_\_\_ day of \_\_\_\_\_ 2019 between:

1. **TRAPEZE SOFTWARE GROUP, INC.** a Delaware corporation (successor in interest to Trapeze Software Group, Inc. an Arizona corporation) with its place of business at 5265 Rockwell Dr NE, Cedar Rapids, IA 52402, USA, U.S.A. ("Trapeze"); and
2. **SAN DIEGO METROPOLITAN TRANSIT SYSTEM** with its principal place of business at 1255 Imperial Avenue, Suite 1000, San Diego, California 92101-7490, U.S.A. ("Licensee" or "MTS")

**WHEREAS** Trapeze and Licensee intend to amend the Standard Services Agreement, including Exhibit 1 (Software License and Maintenance Agreement and Exhibit 2 (Standard Conditions Services) made effective July 1, 2011 and as amended ("the Agreement") in order add the Trapeze PASS-Web, PASS-IVR and EZ-Wallet Software products to the scope of the Agreement.

**NOW THEREFORE** Trapeze and Licensee agree as follows:

**Amendment to Agreement**

- (a) The parties agree to the addition of the Trapeze PASS-Web, PASS-IVR and EZ-Wallet Software products to the scope of the Agreement. Exhibit 13 (A) is therefore added to and incorporated within the terms of the original Exhibit 1 of the Agreement.
- (b) The parties agree that Trapeze PASS-Web, PASS-IVR and EZ-Wallet Software products' implementation services shall be provided by Trapeze in accordance with the Statement of Work, attached hereto as Exhibit 13(C), and therefore added to and incorporated within the terms of the original Exhibit 1 of the Agreement.
- (c) As a result of the addition of the Trapeze PASS-Web, PASS-IVR and EZ-Wallet Software product to the scope of the Agreement, Licensee shall pay license fees, implementation service fees, expenses, and annual maintenance fees in accordance with Exhibit 13 (B), attached hereto, and therefore added to and incorporated within the terms of the original Exhibit 1 of the Agreement.
- (d) The parties agree that the total amount of \$526,985 shall be included under Exhibit 2, Section 8 of the Agreement ("Consideration Paid") for the Trapeze PASS-Web, PASS-IVR and EZ-Wallet Software license, implementation service fees, and expenses
- (e) The parties agree to the addition of the following Software acceptance provision to Exhibit 1 of the Agreement ("Software Acceptance") for the Trapeze PASS-Web, PASS-IVR and EZ-Wallet Software products:

Upon completing the delivery, installation, and testing of the individual Software product, Trapeze will notify Licensee in writing. Licensee will then have ten (10) business days in which to conduct acceptance tests in order to ensure that the individual Software product operates in all material respects as specified in the Documentation. At the end of this period, Licensee will be deemed to accept the individual Software product unless Trapeze receives prior written notice outlining the nature of the perceived defects in the Software product. Notwithstanding the above, Licensee will be deemed to accept the individual Software product when the Licensee puts the individual Software product into operational and functional use. The individual Software product will be deemed to be in operational and functional use when the Licensee first uses the individual Software product to support its then current operations in any capacity. Upon the deemed acceptance of the individual Software product in accordance with

this paragraph, Licensee will provide Trapeze with a written acknowledgement to confirm such acceptance.

- (f) The parties agree that the following provision shall be added to Section 4 of the Agreement (“Software Warranty”) for the Trapeze PASS-Web, PASS-IVR and EZ-Wallet Software products:

Trapeze warrants the individual Software product to operate in all material respects as specified in the Documentation for a period of ninety (90) days from the date upon which the individual Software product is installed into MTS’s test environment. For any breach of this warranty, Licensee’s sole and exclusive remedy and Trapeze’s entire obligation hereunder shall be to either repair or replace the defective Software product. This warranty does not apply to any Software product damaged as a result of any accident, negligence, use in any application for which it was not designed or intended, or modification without the prior written consent of Trapeze.

- (g) All remaining terms, conditions, and covenants of the Agreement remain unchanged.

1. All remaining terms, conditions, and covenants of the Agreement remain unchanged.

**IN WITNESS WHEREOF**, the parties have caused this Contract Amendment #7 to Standard Services Agreement to be signed by their duly authorized representatives as of the date above.

**TRAPEZE:**

**LICENSEE**

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

## **Exhibit 13 (A)**

- PASS-Web
  - Trip Booking
  - Trip Confirmations
  - Trip Cancellations
  - Where's My Ride
- PASS-IVR
  - Trip Confirmations
  - Trip Cancellations
  - Callback Notifications
- EZ-Wallet
  - Web
  - Back Office (PASS)

## Exhibit 13 (B)

### PROJECT BUDGET

The project budget presented below includes all licenses, implementation services and expenses for the Software implementation outlined in this document.

Item	Description	PASS-Web	PASS-IVR	EZ-Wallet	Total
1	Software Licenses	\$68,434	\$68,049	\$125,698	\$262,181
2	Third Party Licenses	-	\$36,804	-	\$36,804
3	Implementation Services	\$48,417	\$65,255	\$105,403	\$219,075
4	Expenses	\$550	\$550	\$7,825	\$8,925
	<b>Total Cost</b>	<b>\$117,401</b>	<b>\$170,658</b>	<b>\$238,926</b>	<b>\$526,985</b>

#### Pricing Notes:

- The Software will be implemented as a fixed-fee project

### LONG TERM SUPPORT

Item	Description	PASS-Web	PASS-IVR	EZ-Wallet
1	90 Day Warranty	<i>Included</i>	<i>Included</i>	<i>Included</i>
2	Year 1 Maintenance	\$13,687	\$20,971	\$25,140

#### Long Term Support Notes:

- For all subsequent annual renewals, the annual maintenance fee will be based on the operational characteristics of licensed use by MTS at that time and subject to Trapeze's then current pricing.

### PAYMENT MILESTONES

Below are the payment milestones to be followed throughout the implementation. Milestones will be invoiced on a per Software module basis.

Payment Milestones	Payment Percentage
<b>Milestone 1:</b> Contract Signing	100% of Software Licenses
Acceptance Criteria: Execution of Contractual Agreement	
<b>Milestone 2:</b> Project Design Review	25% of Services and Expenses
Acceptance Criteria: Delivery of draft Project Design Document	
<b>Milestone 3:</b> Software Installation	25% of Services and Expenses
Acceptance Criteria: Installation of the Software in MTS's test environment	
<b>Milestone 4:</b> Training	25% of Services and Expenses
Acceptance Criteria: Completion of System Administrator Training	
<b>Milestone 5:</b> Acceptance Testing	25% of Services and Expenses
Acceptance Criteria: Resolution of Critical and Major defects	

MTS Contract Amendment #13- PASS-Web, PASS-IVR and EZ-Wallet



## PROJECT ASSUMPTIONS

### General

1. MTS is responsible for the purchase and installation of any required server and workstation hardware and software (servers shall be preconfigured to Trapeze's specifications).
2. The Software will be implemented "off the shelf" and will provide functionality as described in the most current Software literature.
3. Any services or requests that are outside the scope of this implementation will need to be addressed through a change order.
4. Any integration with third party Software or systems will be the responsibility of MTS.
5. Expenses are fixed and will be paid in accordance with the payment schedule.
6. Expenses assume a minimum of two weeks' notice is provided by MTS to Trapeze in advance of any on-site trip being scheduled.
  - Expenses are subject to additional charges if sufficient notice is not provided.
7. The Software license fees are based on a transit operation with the following operational characteristics:
  - Up to 1,500 paratransit trips per day
8. Product warranty and Software Acceptance will be triggered on an individual module basis.
9. All documentation and execution of test cases will be the responsibility of MTS.
10. It is expected that a system administrator will be available for all configuration, installation, testing and deployment activities.
11. PASS is required to be on version 17 (or higher).
12. Once in warranty, MTS will have unlimited access to recorded training videos and online sessions provided through Trapeze Collaborate, as described in Trapeze's maintenance program documentation.
13. Pricing assumes that all Software applications will be purchased and will be implemented in parallel.
14. English and Spanish have been included for PASS-Web, EZ-Wallet-Web and PASS-IVR.
  - MTS will be responsible for providing the appropriate Spanish translations.
15. Pricing is valid until August 30<sup>th</sup>, 2019.

### PASS-Web and EZ-Wallet-Web

16. Markup development assumes up to two (2) revisions to branding / theming from the generic web pages.
  - "Branding" includes theme (primary and secondary) colors, headers and logos only.
    - i. The standard, out of the box icons will be included as part of this implementation. No changes (moving / adding) of the icons will be permitted.
  - Only minimal text changes will be permitted – phone numbers, help text, font sizes, map center position, links in the left side menu removed/added.

- The following are examples of markup updates that will not be permitted:
  - ii. Moving or adding buttons outside of what is included in the out of the box Software.
  - iii. Adjustments to the positioning of all input / output elements
  - iv. Changes to the display of PASS-Web or EZ-Wallet-Web on Apple iOS or Android devices (tablets or mobile phones).
  - v. Usability deviations from the base Software functionality
- 17. There will be no data development support as part of this engagement.
- 18. Trapeze will install IIS and the Rewrite module which will be used to secure the PASS-Web and EZ-Wallet-Web pages.
- MTS is responsible for obtaining a signed certificate and installing it on the Web server.
- 19. MTS is responsible for procuring and maintaining a Google Maps API key to enable the mapping and address matching functionality.
- The Trapeze address matching functionality can still be used for street addresses, intersections and Trapeze locations/landmarks.

#### **PASS-IVR**

- 20. The following modules have been included for this implementation
  - a. Trip Confirmations
  - b. Trip Cancellations
  - c. Callback Notifications
- 21. PASS-IVR markup development assumes up to two (2) revisions from the generic call flows.
- 22. This implementation includes twelve (12) IVR licenses (lines).
- 23. No custom reports will be provided as part of this implementation.
- 24. Trapeze will provide the standard PASS-IVR and GVP8 reports.
- 25. Only Java (JRE) version 8 and below can be installed on the Genesys server. Java can also not be patched to the latest version and must remain on JRE 8 or below as GVP8 does not currently support JRE 9.

#### **EZ-Wallet**

- 26. MTS will be using an approved 3rd party payment services provider (PSP) from the Trapeze list of approved vendors; other PSPs outside of the approved list will require additional services to implement.
  - Currently, Payments and Chase Paymentech are approved vendors.
- 27. MTS has already completed a review and implementation of the Prepaid Faring component of PASS.
  - All of the necessary fare codes have been set in PASS.
  - All fare amount calculations have been completed and implemented in PASS prior to installation.
- 28. All transaction fees associated with the processing of credit cards is the responsibility of MTS.

MTS Contract Amendment #13- PASS-Web, PASS-IVR and EZ-Wallet

29. MTS's existing credit card processing infrastructure has been deemed PCI compliant.
30. The configuration of schedule status rules (no show penalties, cancellation penalties, cancel at the door penalties, etc.) will not be configured as part of the project.
31. Assumes no custom reports or development. The scope and cost of any custom reports will be determined during the design review.
  - The standard EZ-Wallet Web reports will be provided
    - Transaction Report
    - Tax History Report
  - The standard EZ-Wallet back office reports will be provided

## **Exhibit 13 (C)**

### **STATEMENT OF WORK**

#### **1 INTRODUCTION**

San Diego Metropolitan Transit System (MTS) recently received funding to support the implementation of additional paratransit Software. MTS aims to enhance the capability of their paratransit Software suite by providing additional solutions to their paratransit riders. These solutions will grant riders instant and direct access to multiple self-serve applications, thus reducing the stress on the MTS call centre and potentially reducing operating costs.

The purpose of this document is to provide MTS with a quote and scope of work for the following Trapeze Software products:

- PASS-Web
  - Trip Booking
  - Trip Confirmations
  - Trip Cancellations
  - Where's My Ride
- PASS-IVR
  - Trip Confirmations
  - Trip Cancellations
  - Callback Notifications
- EZ-Wallet
  - Web
  - Back Office (PASS)

This document will outline the services required to implement the Software and the efforts required from both Trapeze and MTS.

#### **2 TRAPEZE SERVICES**

##### **2.1 IMPLEMENTATION METHODOLOGY OVERVIEW**

The following defines the project activities that will be completed during this implementation:

1. Project Kick-Off
2. Project Design
3. Development
4. Internal Acceptance Testing

5. Software Installation and Configuration
6. Installation Testing
7. Training
8. Acceptance Testing
9. Deployment

### 3 PROJECT SCOPE ACTIVITIES

#### 3.1 PROJECT KICK-OFF

Trapeze will conduct a remote project kick-off meeting with the MTS project team. The objective of the project kick-off meeting will be to introduce project stakeholders, review project scope, roles and responsibilities, key risks, and the preliminary project schedule.

Trapeze will provide the following documents during this stage of the project:

1. **Draft Project Plan:** Project schedule for the Trapeze solution implementation. MTS will provide inputs for MTS-lead activities.
2. **Project Kick-Off Presentation (MS PowerPoint):** Kick-off presentation will be collaboratively produced.

#### 3.2 PROJECT DESIGN

The Project Design meetings for EZ-Wallet and EZ-Wallet-Web will be held on-site at MTS offices over the course of up to two (2) days and will include two (2) Trapeze resources. Following the EZ-Wallet meetings, PASS-Web and PASS-IVR Project Design meetings will also be held during the same week at the MTS offices. A single Trapeze resource will be present for up to two (2) days for these meetings.

In preparation for these discussions, MTS will be expected to provide Trapeze with any relevant operational materials and/or documentation requested. The following topics will be covered during these meetings and calls:

- Current operational policies and procedures as they relate to the paratransit booking, faring, notification, and trip cancellation and confirmation processes
- Software configuration
- Hardware recommendations
- Web page design, call flow design and static text changes
- Notification message content and delivery requirements
- Project timelines
- Testing, training, and transition strategies

A Project Design Document (PDD) outlining deliverables, goals and objectives, configurations, and expected project timelines for the implementation will be prepared by Trapeze and shared with MTS after the initial Project Design meetings. During the

MTS Contract Amendment #13- PASS-Web, PASS-IVR and EZ-Wallet

review process, non-standard Software functionality may be identified. If desired, Trapeze will provide estimates to address these gap items, however addressing any gaps documented in the PDD will be considered out-of-scope.

Following completion of the draft PDD, Trapeze will provide MTS with the draft document to review and provide comments. MTS will have five (5) business days to complete this review, after which the Trapeze Project Manager will coordinate a meeting with MTS's project team to review the comments. Following this meeting, Trapeze will revise the PDD to address MTS's comments and feedback and will provide the finalized PDD.

### **3.2.1.1 Roles and Responsibilities**

#### **Trapeze**

- Conduct Design Review meetings

#### **MTS**

- Participate in Project Design meetings
- Provide documentation as requested
- Participate in the review of the Project Design Document and provide comments and feedback
- Sign off on finalized Project Design Document

### **3.2.1.2 Deliverables**

- Project Design Document
- Finalized Project Schedule

## **3.3 DEVELOPMENT**

Trapeze will adapt the generic PASS-Web and EZ-Wallet-Web pages to MTS's corporate design to ensure a consistent user experience. In addition, the generic PASS-IVR call flows will be used as the basis for this implementation.

Our budget includes up to two (2) revisions to the generic web pages and IVR call flow. The first revision will be based on the approved changes as documented in the PDD. The second revision will be completed following Acceptance Testing by MTS if necessary.

The following changes will be permitted as part of the web page and call flow design process:

- Verbiage changes and static text for all Software applications
- Logos
- Verbiage changes for each callout notification
- General IVR menu changes including removing standard options, renaming options, adding static text menus, etc.

**3.3.1.1 Roles and Responsibilities****Trapeze**

- Complete PASS-Web, PASS-IVR and EZ-Wallet-Web development

**MTS**

- Consult as required

**3.3.1.2 Deliverables:**

- Completed development based on the changes approved in the PDD

**3.4 INTERNAL ACCEPTANCE TESTING**

Internal Acceptance Testing (IAT) will be completed by Trapeze before any Software will be installed in MTS's test environment. During IAT, Trapeze Testing Specialists will perform unit and regression testing to ensure completeness and accuracy of all standard features. These specialists will also update any automated regression test scripts to expand coverage as needed.

After unit and regression testing will be completed, the Trapeze Technical Product Specialists will run a series of tests in a local testing environment to ensure that all Software is functioning properly against MTS's specific data and configuration. This will allow Trapeze to proactively determine any potential data-related issues and ensure that all standard setup and configuration tasks can be performed for MTS.

**3.4.1.1 Roles and Responsibilities****Trapeze**

- Perform Internal Acceptance Testing

**MTS**

- Provide data as necessary

**3.5 SOFTWARE INSTALLATION AND CONFIGURATION**

Following the completion of Internal Acceptance Testing, Trapeze will work with MTS to remotely install and configure the Software in MTS's test environment. MTS will be required to complete the hardware installations (including all server configurations) in time for the test environment installation. After all training and testing will be completed, Trapeze will assist with installing the configured Software in MTS's production environment.

To assist Trapeze with the installation, MTS will provide remote access (VPN, etc.) to the necessary servers. If remote access will be unavailable, Zoom will be used as an alternate method for connecting to the servers.

Trapeze will also require the Google Maps API key to be provisioned and the Payment Service Provider (PSP) contract to be completed prior to the test environment installation.

*Note: The 90-day Software warranty begins upon Software installation into MTS's test environment.*

### **3.5.1.1 Roles and Responsibilities**

#### **Trapeze**

- Installation of the Software in MTS's test and production environments

#### **MTS**

- Complete all Hardware installation(s)
- Procure Google Maps API Key
- Finalize contract with the designated PSP
- Provide access to test and production environments
- Manage servers, databases, backup procedures, database maintenance practices, and Windows environments and security
- Install Trapeze pre-requisite software (e.g. ODBC connections, database servers, etc.)

### **3.5.1.2 Deliverables**

- Installed Software in MTS's test environment

## **3.6 INSTALLATION TESTING**

Installation Testing will occur after the Software has been installed in MTS's test environment. This testing is designed to ensure that the Software is functioning properly within MTS's test environment, as well as with third party software as necessary.

During Installation Testing, MTS will grant Trapeze access to their servers so that Trapeze can perform testing of key Software functionality and validate that the Software functions properly in MTS's test environment. Trapeze will validate the following:

- Applications are connected to the appropriate database(s)
  - General Software functionality is working as designed
  - All configurations and settings, as agreed to in the PDD, are functioning as expected
- Upon completion of Installation Testing, Trapeze will work with MTS to schedule training.

### **3.6.1.1 Roles and Responsibilities**

#### **Trapeze**

- Perform Installation Testing

#### **MTS**

- Provide technical consulting as required
- Provide access to MTS's test environment



### 3.7 TRAINING

Trapeze Training will be based on standard training agendas, and sessions will vary in length dependent on topic. MTS resources are encouraged to participate in all training sessions related to their field, as discussed during the Project Design phase. Training sessions cannot exceed six (6) employees per session.

System Administrator training will include topics related to the Software environment (properties, services, installation paths, configurations etc.), as well as topics on troubleshooting and managing the Trapeze application(s).

The following table outlines the proposed training for this implementation:

Module	Training Topic	Duration (Days)	On-site/Remote
PASS-Web	System Administrator Training	0.5	Remote
PASS-IVR	System Administrator Training	0.5	Remote
EZ-Wallet	System Administrator Training - Web	0.5	Remote
	Cash Account System Administration Training	0.5	On-site
	Customer Service Account Training	0.5	On-site
	Trip Booking Administration Training	0.5	On-site
	Driver and Dispatch Training	0.5	On-site
	Transaction Reconciliation Training	0.5	On-site

#### 3.7.1.1 Roles and Responsibilities

##### Trapeze

- Review training topics with MTS
- Delivery of training sessions

##### MTS

- Ensure trainees are prepared and engaged in the training activities

#### 3.7.1.2 Deliverables

- Training agenda
- Completed training sessions
- Available User Manuals

### 3.8 ACCEPTANCE TESTING

Acceptance Testing will commence after the completion of all training sessions. This will involve MTS utilizing the Software in the test environment to ensure the Software responds accurately to users input and the features and functions of the Software work as specified.

Trapeze will provide up to three (3) days of on-site services to begin Acceptance Testing. Following the on-site support, MTS will have ten (10) business days in which to perform a comprehensive end-to-end round of Acceptance Testing.

### 3.8.1 Testing Defect Review and Resolution

During Acceptance Testing, MTS will document and prioritize any defects encountered during the testing period (if any). Following the completion of a round of testing, MTS will provide Trapeze with a complete list of all perceived defects, which Trapeze will assess for root cause and resolve where appropriate based on the severity levels defined below.

1. **Critical** – Defect causes failure of critical functionality or critical data and there is no workaround available.
  - a. These can include but are not limited to:
    - i. System crashing
    - ii. Non-recoverable conditions
    - iii. Data loss or corruption
    - iv. Security concerns which may lead to breach of information and misuse or severely affect the system performance and functionality
    - v. Performance defects that lead to unavailability or loss of functionality
2. **Major** – Defect partially impairs critical functionality. The workaround is available but difficult to execute.
  - b. These can include but are not limited to:
    - i. System crashing or aborting during normal operation of a non-critical flow
    - ii. Missing functionality
    - iii. Inconsistent logic or display of data
    - iv. Slow responsiveness and underperformance of the system
    - v. Missing security or system patches, minor breach of information
3. **Minor** – Defects which impairs non-critical functionality with a satisfactory workaround available.
  - c. These can include but are not limited to:
    - i. Minor usability issues such as inconsistent display
    - ii. Tab/shortcut keys not working
    - iii. Missing input validation
    - iv. System recoverable errors

MTS will identify the priority of each defect and indicate the desired resolution sequence (1 = soonest resolution desired). Trapeze will make best reasonable effort to resolve issues based on sequential order.

At the completion of each round of testing, Trapeze will work remotely to resolve all Critical and Major defects (if any). If an updated Software solution will be required to resolve the defect, Trapeze will provide updated Software encompassing all defect fixes. MTS will be asked to test and validate the Software to ensure all defects have been rectified. If further defects will be identified, Trapeze will evaluate and work to resolve them. MTS will then be asked to execute another round of Acceptance Testing.

Once MTS will confirm that all Critical and Major defects have been resolved, Acceptance Testing will be considered complete and the Software will be deemed ready to deploy in MTS's production environment. All remaining Minor defects will be transitioned to the

Trapeze maintenance and support program, who will provide new Software builds to address these defects after deployment as necessary.

#### **3.8.1.1 Roles and Responsibilities**

##### **Trapeze**

- Support MTS during Acceptance Testing

##### **MTS**

- Perform Acceptance Testing
- Complete prioritization of defect(s)
- Re-test any defect resolutions

#### **3.8.1.2 Deliverables**

- Prioritized defects log
- Software releases, as necessary

### **3.9 DEPLOYMENT**

During the deployment phase, Trapeze will migrate the Software from MTS's test environment to MTS's production environment so that it can be used to support production operations.

#### **3.9.1 Pilot**

MTS will initially identify up to twenty-five (25) clients to support a pilot rollout of the Software over the course of one (1) week from the deployment of the Software into MTS's production environment. These clients will be responsible for utilizing the Software in the production environment for their daily paratransit trip bookings, cancellations and confirmations. To assist with the rollout of the pilot, Trapeze will provide up to three (3) days of remote Software support for the pilot period.

#### **3.9.2 Deployment Support**

Following the completion of the pilot, Trapeze will provide up to three (3) days of remote go-live support for the launch of the Software to MTS's remaining clients over the course of one (1) additional week. MTS can leverage these services during standard business hours to address any questions or support needs that may arise from using the Software to support live operations for all customers.

At the completion of the additional one (1) week full deployment support period, all ongoing support will be transitioned to and provided by Trapeze's long-term maintenance program.

#### **3.9.2.1 Roles and Responsibilities**

##### **Trapeze**

- Migrating the Software into MTS's production environment

MTS Contract Amendment #13- PASS-Web, PASS-IVR and EZ-Wallet

- Supporting a one (1) week pilot rollout of the Software
- Supporting the full rollout of the Software for one (1) additional week

#### **MTS**

- Identify pilot clients
- Escalate defects to appropriate Trapeze Technical Product Specialists
- Update the production system to ensure all records are up to date
- Ensure data correctness
- Confirm connectivity, logins, etc.
- Rollout Software to remaining clients

#### **3.9.2.2 Deliverables**

- Trapeze Software will be operational and functional in MTS's production environment

## **4 PROJECT DURATION**

This implementation is expected to be completed within six (6) to seven (7) months from the project kick-off meeting. Following contract execution, a mobilization period of up to forty-five (45) days may be required to kick off the project and align project resources. Trapeze will work to minimize this mobilization period through proactive planning with MTS.

## **5 PROJECT MANAGEMENT**

Trapeze will provide off-site project management support for the duration of the project. The Trapeze project manager will be responsible for ensuring that project requirements are communicated and understood and milestones are met. The Project Manager will be the key point of contact for MTS during the project. Trapeze will also require that MTS assign a Project Manager. The two project managers will work together to ensure consistent dialogue is maintained through an established channel.

Trapeze Project Managers provide the following key services:

- **Scope Management:** The project manager is the link between MTS's requirements, the contract, the product specifications, and the project's scope of work. The project manager is critical to defining and documenting the tasks and deliverables necessary to complete the project. The project manager ensures that the project's resources remain focused on the project objectives.
- **Schedule Management:** The project manager is responsible for managing the master project schedule. This detailed work plan outlines all of the activities that are required in order to deliver the project scope within time constraints. The project management team will provide regular updates to the work plan and escalate major issues and risks that will impact the project schedule for mitigation planning.

- **Risk Management:** The project manager understands the risks involved with Trapeze's deliverables that are included in the scope of this project. The project manager ensures that tight controls are implemented to minimize these risks, and that these risks are tracked and raised to MTS leadership when appropriate.
- **Change Management:** If a deliverable will need to be changed mid-project, the project manager will identify the impact of the change and initiate necessary actions to ensure timelines and project costs will be adjusted.
- **Milestone Sign-Offs:** With each completed milestone, MTS will be asked to sign-off on the milestone, and confirm agreement with project moving forward.

## 5.1 COMMUNICATION STRATEGY

Effective and timely communications with all project stakeholders is critical. A successful implementation requires consistent messaging to keep all stakeholders informed with relevant and up-to-date information. In order to ensure effective communication practices are followed, Trapeze will adhere to a similar communication plan as outlined below (which will be finalized during the Project Design activities):

Format	Participants/ Facilitators	Frequency	Individual(s) Responsible	Recipients
Status Report	Project Team	Bi-Weekly	Trapeze Project Manager	Trapeze and MTS Project Team
Project Plan	Project Team	Bi-Weekly	Trapeze and MTS Project Team	Trapeze and MTS Project Team
Risk/Defects Log	Project Team	Bi-Weekly	Trapeze and MTS Project Team	Trapeze and MTS Project Team

## 6 MTS'S RESOURCE REQUIREMENTS

The table below identifies the resource requirements for MTS.

Resource	Resource Allocation	Responsibilities
Project Manager	30% of their time during the full duration of the project	Coordinate all resources from MTS Coordinate conference calls and meetings, as required Coordinate training preparation Coordinate training sessions Coordinate completion of Acceptance Testing Work with the Trapeze Project Manager to identify risks, issues, and mitigations throughout the project Coordinate Software deployment activities
Subject Matter Experts	20% of their time for the duration of the project	Participate in the Project Design meetings Participate in the review of all documentation Participate in all training sessions Assist PM with completion of Acceptance Testing Assist with Software deployment activities
System Administrators / IT	25% during Software Installation, Testing, and Deployment 100% during System Administrator Training	Configure and maintain environments Assist with troubleshooting any network or technical issues Provide access to servers as necessary throughout the project Participate in System Administrator training

Resource	Resource Allocation	Responsibilities
		Maintain system security controls & permissions, user accounts, etc. Assist with Software deployment activities
End Users/ Testers	50% of time during the testing phase of the project	Execute Acceptance Testing Record and Report any defects for the Software

## 7 APPENDIX A – PRODUCT FUNCTIONALITY

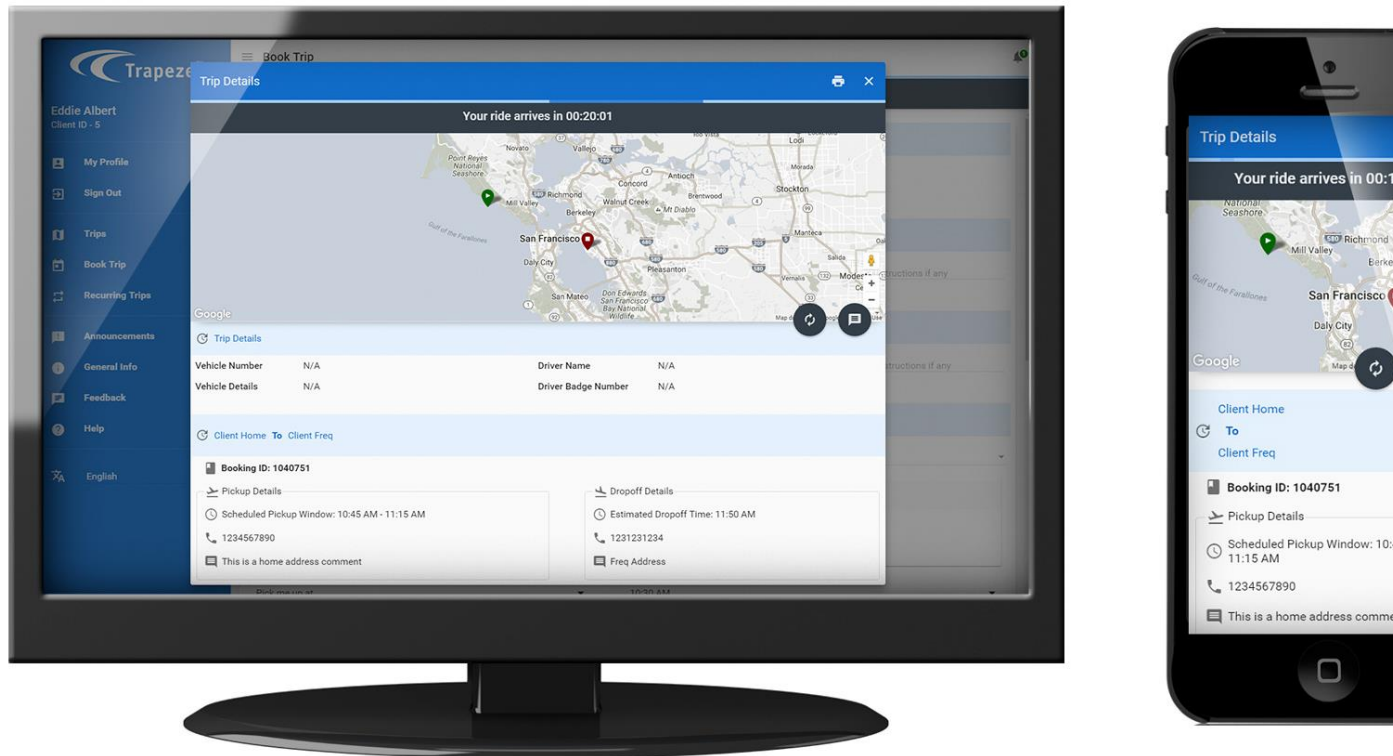
### 7.1 PASS-WEB

#### 7.1.1 Desktop & Mobile Version

The PASS-Web desktop applications are designed for desktop or laptop use, and it allows passengers to monitor the location of their vehicle and receive estimated times of arrival. Also, the same application is built with a mobile first approach for smartphones or tablets. The application automatically detects the device and browser (Desktop vs. Mobile) and adjusts the display accordingly using a responsive design.

The application is fully accessible and focuses on usability; it is WCAG 2.0 AA (ADA) compliant and screen reader friendly. The application is agency branded and secure.

With PASS-Web, passengers, mobility managers, service providers, coordinators and others can use their desktop browser, tablet or mobile phone to access “Where’s My Ride” functionality as well as confirm, cancel and book trips online without the need to speak with a reservationist. In addition, passengers have the ability to review or edit personal profile information.



**Fig 1:** Desktop and Mobile View

### 7.1.2 Features

The PASS-Web browser based mobile and desktop solution allows riders to monitor the status of their vehicle on a smartphone, tablet or desktop computer. Specific features include:

#### **Trip Confirmation and Cancellation**

- Display all subscription, casual or "on demand" trips.
- Confirm and cancel bookings.
- View trips by week, month, past or future.
- View trip details, including date, time, purpose, provider, origin/destination addresses, and status of trip (scheduled, unscheduled, no-show, and cancelled).
- Update travel plans, editing subscriptions and cancelling trips.
- View and edit personal profile information including client addresses, contact information, service providers, funding sources, payment histories.

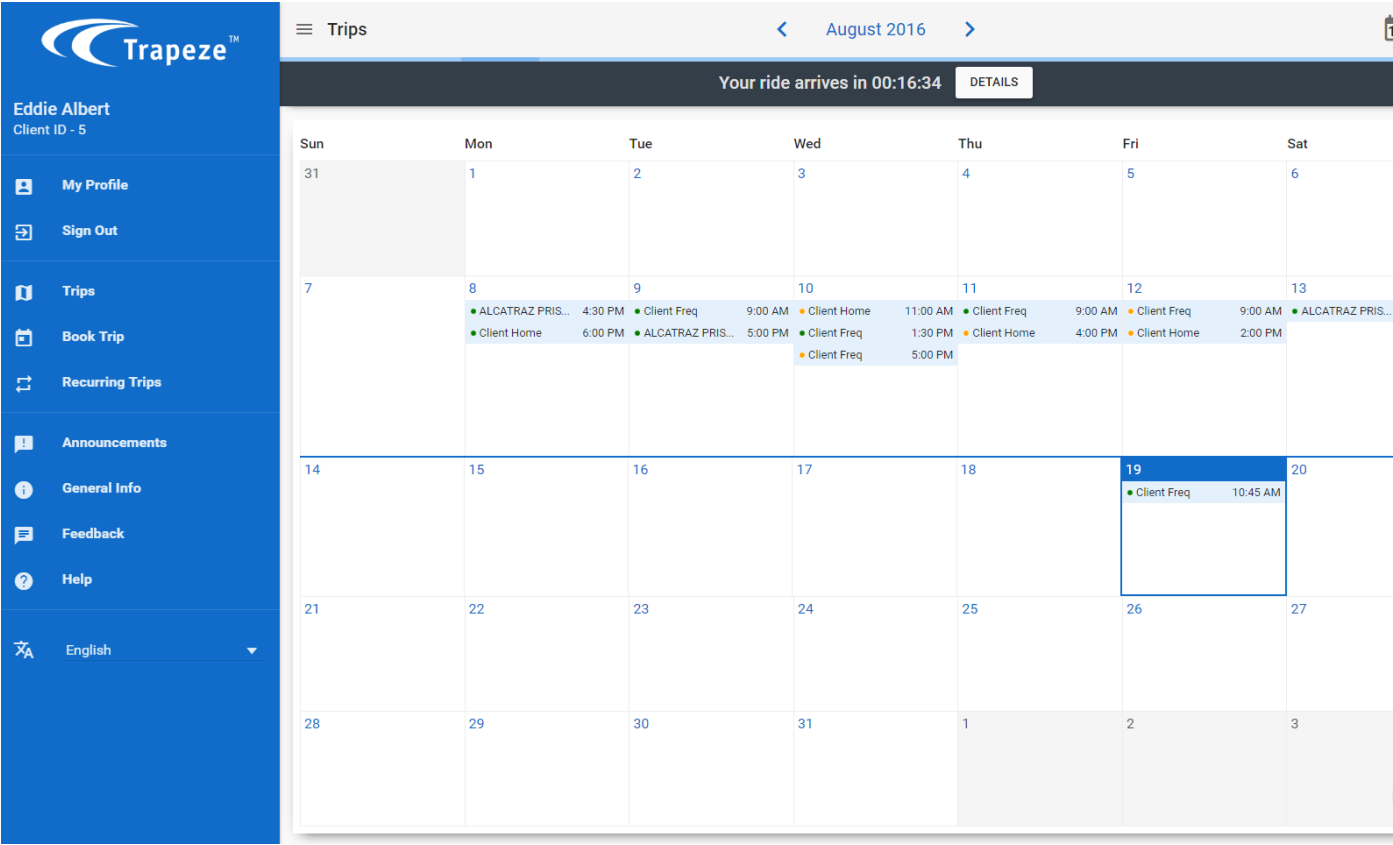
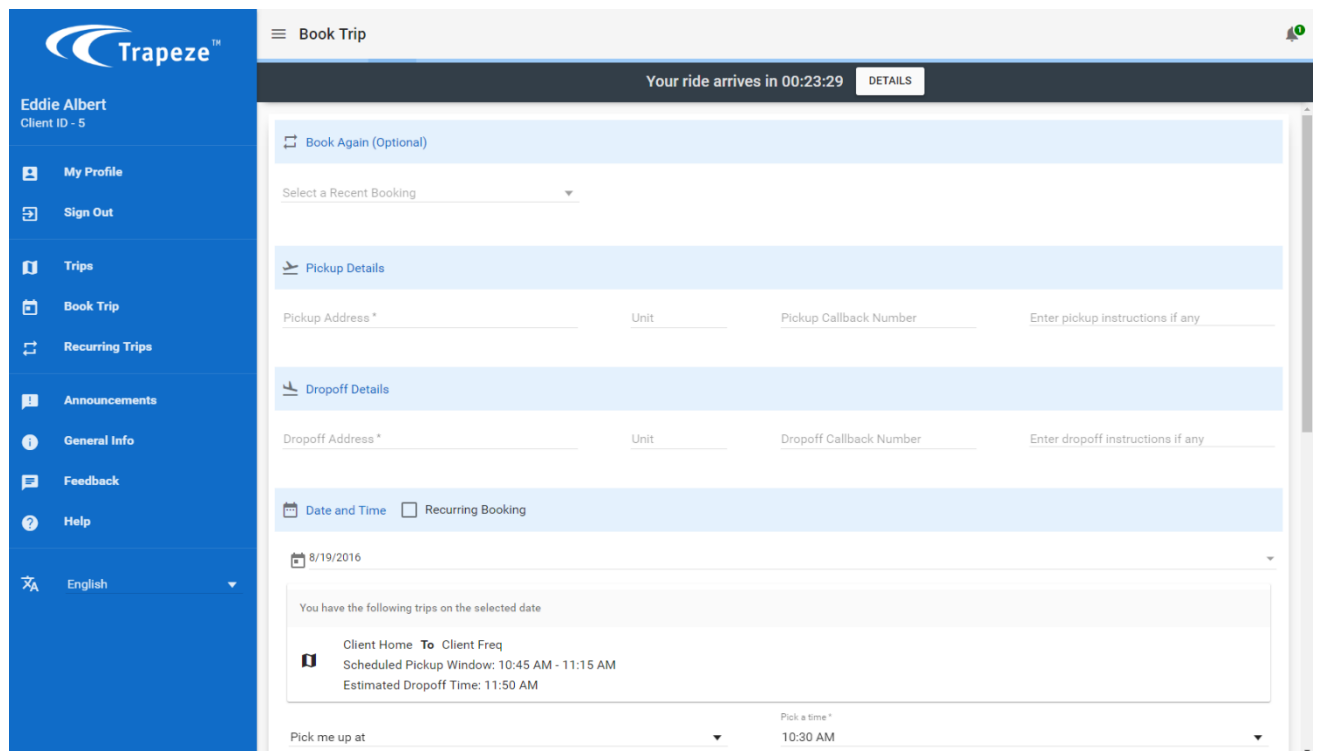


Fig 2: Trips Calendar View



## Trip Booking

- Request casual or subscription trips, specifying dates, times, pick-up and drop-off locations, reasons for travel, additional passengers.
- Book or schedule trips using the PASS algorithms.
- Quickly generate new requests based on previous bookings.
- Include special comments or instructions regarding pick-ups.
- System notifies user whether request has been booked, scheduled, refused or has failed.



**Fig 3:** Trip Booking View

## Where's My Ride

- Pick-up and drop-off location viewed on a Google map
- Includes a display of the vehicle details (vehicle number, vehicle type) and location
- Includes driver information (name, badge, number) of the approaching pick-up vehicle
- Passengers will have the ability to view the vehicle on a Google map from the start of their performed trip to the drop-off location of their trip.
- Passengers can view the estimated drop-off time for their current trip up to the completed drop-off location.

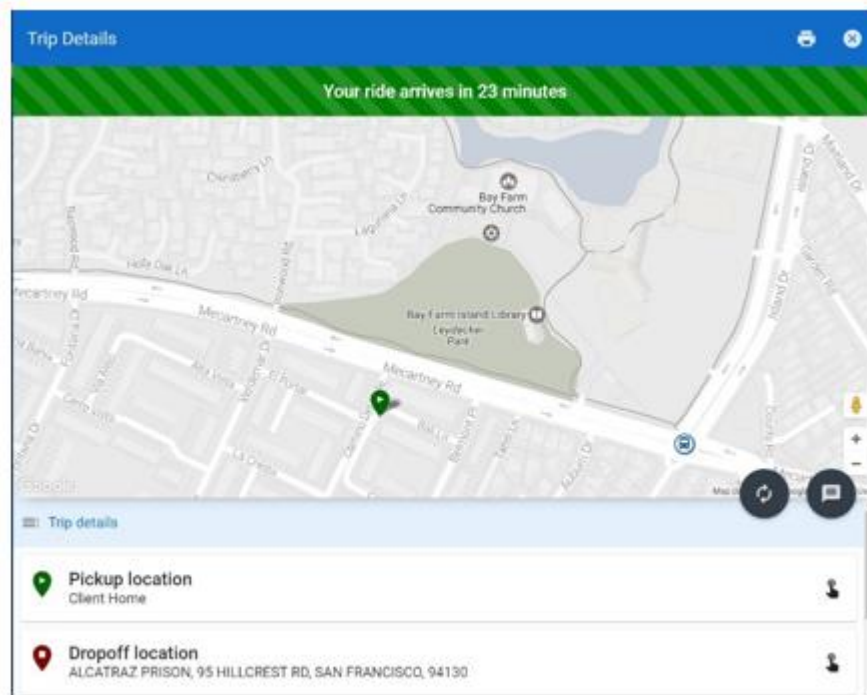


Fig 4: Where's My Ride View

## 7.2 PASS-IVR

### 7.2.1 Trip Confirmation/Cancellation

With the Trip Confirmation module, clients will be able to review previously booking trips for accuracy or simply as a reminder of trip details (i.e. pickup time, drop-off time, etc.).

#### Features

- Access summary or detailed information for any booking (i.e. casual/demand, activated subscriptions, scheduled, unscheduled, standby, etc.).
- Lookup trips by date or booking id or select your trip from a list.
- Cancel previously booked trip(s) without having to speak with a call taker.

- Cancel a single trip, all trips on a specific day (i.e. passenger is sick that day) or all trips within a date range (i.e. passenger is going on vacation).
- Administrators can define the rules pertaining to trip cancellations through the automated system (i.e. too late to cancel, mark as cancel late, cancel in advance, etc.).

### 7.2.2 Call Back Module

Use the automated system to keep clients informed with real time updates regarding their trip status or to provide them with previous day advance reminders of the next days scheduled trips.

#### Features

- Provide passengers with advance day or same day automatic reminders for upcoming scheduled trips.
- Keep passengers informed of updates to estimated pickup time based on trip adjustments.
- As part of the reminder, provide passenger with other trip options (i.e. review full trip details, speak to reservationist or dispatcher, etc.).
- Let passenger know when their standby trips have been fulfilled or that fulfilling the trip was not possible.
- Notify a passenger when their eligibility is about to expire.
- Call passengers who have violated the no-show policy (e.g. no more than 3 no-shows in a month) and remind them of the policy.

### 7.3 EZ-WALLET

The EZ-Wallet application is designed to allow passengers to add funds to their existing pre-paid faring account, purchase passes, print transit usage reports (for tax purposes) and review historical transactions. Similar to PASS-Web, the application automatically detects the device and browser (Desktop vs. Mobile) and adjusts the display accordingly using a responsive design.

The application is screen reader friendly for visually impaired clients designed explicitly for popular Screen Reader software such as JAWS.

**EZWallet Intro**

**EZWallet Balance** \$118.00  
**Last Purchase Date** Mon, Oct 17  
**Last Purchased Pass** Jul 2016 - Adult Express Monthly Pass

**TRANSACTION HISTORY**  
**TRANSIT USAGE**

**PURCHASE MONTHLY PASS** **ADD BALANCE TO EZWALLET**

**What is EZWallet?**  
EZWallet is an easy way to pay your trip fare online or over the telephone. With EZWallet you can conveniently purchase a monthly pass or add money to your account, so you are always ready to ride. You also can add to your EZWallet account by paying in person at the transit office or by calling the transit office.

**Monthly Pass**  
Use EZWallet to add a monthly pass to your account. It is valid for one calendar month, for example from May 1 to May 31. If you've purchased a monthly pass, your account will automatically identify your trip as paid when you book your trip.

**Account Balance**  
Keep money in your EZWallet account, and use it to pay for your trip. When you book your trip, the fare will be deducted from your account automatically. If you cancel your trip, the funds will be returned to your account.

Fig 5: EZ-Wallet Home Screen

**Transaction History**

EZWallet Intro > Transaction History

From Date: 2/24/2017 To Date: 5/24/2017  
Transaction Type: All Types

**Transit Usage Report (Passes)**

Transaction Date - Time	Trip Date - Time	Pickup Location	Dropoff Location	Transaction Type	Product Type	Transaction Amount	EZWallet Balance
Fri, Feb 24 - 9:36 AM	Fri, Feb 24	-	-	Fare Payment	EZWallet	-\$1.00	\$118.00
Fri, Feb 24 - 10:42 AM	-	-	-	Deposit	EZWallet	\$100.00	\$119.00
Fri, Feb 24 - 10:44 AM	-	-	-	Deposit	EZWallet	\$100.00	\$119.00
Fri, Feb 24 - 12:07 PM	-	-	-	Deposit	EZWallet	\$50.00	\$119.00
Fri, Feb 24 - 12:13 PM	-	-	-	Deposit	EZWallet	\$100.00	\$119.00

Fig 7: Transaction History

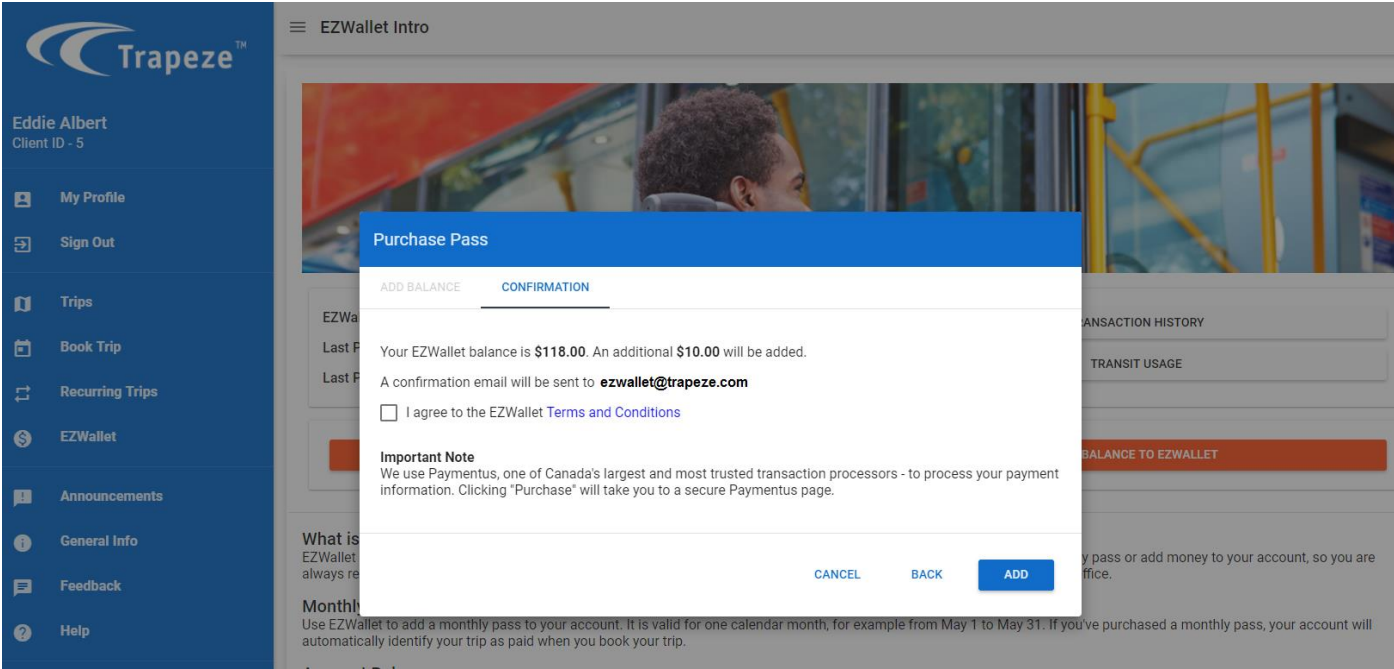


Fig 8: Account Top-Up



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

## Agenda Item No. 15

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

September 12, 2019

#### SUBJECT:

GOOGLE WEB MAPPING SERVICE – ISSUANCE OF PURCHASE ORDER

#### RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors (Board) authorize the Chief Executive Officer (CEO) to issue a Purchase Order to Google, Inc. for the purchase of Web-based mapping services in a not to exceed amount of \$600,000 for five years.

#### Budget Impact

The cost for the Web Based Mapping Service is based on an estimated amount of \$120,000 per year for the next 5 years. Funding is from the Information Technology (IT) annual budget.

#### DISCUSSION:

MTS provides trip planning services to our customers via our website and other channels. To do this, we make use of Google functionality, known as APIs (Application Programming Interface) to provide address searching and geo-location capabilities. Although originally free, beginning in July of 2018, Google began charging for their use.

Charges vary according to the volume of trips planned, but are between \$8,000 and \$10,000 per month. IT is investigating alternative methods by which to provide this service, while avoiding the use of proprietary services and thereby continuing to incur charges. If and when successful, these costs would no longer be incurred, but until then, this is a necessary cost of providing our customers with trip planning functionality. Currently, Google is the only source for this service and MTS will utilize this service for the foreseeable future.



Therefore, staff is requesting that the MTS Board of Directors authorize the CEO to issue a Purchase Order to Google, Inc. for the purchase of Web-based mapping services in a not to exceed amount of \$600,000 for five years.

/s/ Paul C. Jablonski  
Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)



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

September 12, 2019

#### SUBJECT:

ZERO-EMISSION BUS (ZEB) PILOT PROJECT: 40-FOOT LOW-FLOOR ELECTRIC BUSES – ISSUANCE OF PURCHASE ORDER TO GILLIG, LLC

#### RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors (Board) authorize the Chief Executive Officer (CEO) to issue a Purchase Order to Gillig, LLC (Gillig) for the purchase of two (2), 40-foot, Low-Floor Electric, Battery-Powered buses in the amount of \$2,010,548.40.

#### Budget Impact

The cost for two (2), 40-foot, low-floor, battery electric transit buses would not exceed \$2,010,548.40 (including tax).

Gillig Electric Buses	Unit Price (per bus)	CA 7.75% Tax	Total
	\$934,846.00	\$70,428.20	\$1,005,274.20
<b>Total (Not-to-exceed for 2 buses)</b>			<b>\$2,010,548.40</b>

Funding will be from Capital Improvement Project (CIP), WBSE #1001105501. Costs will be paid by Low Carbon Transit Operations Program (LCTOP) funding.

#### DISCUSSION:

In continued efforts to reduce carbon emissions in San Diego, the MTS Board of Directors unanimously approved the implementation of a ZEB pilot program. Part of the pilot program includes the purchase of six (6) 40-foot electric buses from New Flyer and options to purchase twelve (12) depot chargers.





The ZEBs will be utilized on existing routes throughout San Diego. The pilot program will allow MTS to analyze vehicle performance, challenges and capabilities. Staff will also analyze characteristics such as route profiles, passenger loads, operator performance, and battery capacity. In order to run the buses, depot chargers need to be installed to recharge the buses overnight. A charger installation project for Phase I of the project is currently underway.

Today's proposed action would purchase an additional two (2) ZEB buses from a different manufacturer, Gillig, to be studied during the ZEB pilot. New Flyer and Gillig are the manufacturers of the Compressed Natural Gas (CNG) buses in MTS's current fleet. In addition to participating in the ZEB pilot, the buses would replace current vehicles reaching the end of their useful lives. The vehicles are expected to be delivered in early Fall 2020.

MTS proposes to use a government purchasing schedule established by the Commonwealth of Virginia (Virginia) to purchase the Gillig ZEB buses. FTA Circular 4220.1F, Chapter V, Section 4, encourages federal grant recipients to use state and local government purchasing schedules or contracts for procurements of property and services. The Virginia schedule includes electric battery-powered buses that meet MTS specifications.

The State of Virginia cooperative agreement was awarded through a formal competitive Invitation for Bids (IFB) process. It was developed for the use of public/governmental agencies to reap the best pricing benefits, based on the types and number of vehicles and complies with all federal requirements and regulations.

The proposed Gillig buses will have the newest onboard video surveillance systems preinstalled, enhanced wheelchair restraint systems with forward-facing safety barriers for improved safety, electric air conditioning and engine coolant systems. The vehicles are expected to have a maximum range of up to 175 miles. Range varies considerably based on operating profiles including: grades, climate conditions, passenger loads, route structure and operators performance.

The buses are equipped with 444 KW of stored energy and will be charged through individual depot chargers at our operating facilities.

All purchases would be contingent upon the successful completion of the Federal Motor Vehicle Safety Standards (FMVSS) certification and pass Altoona testing.

Therefore, staff is requesting that the MTS Board of Directors authorize the CEO to issue a Purchase Order to Gillig, LLC for the purchase of two (2), 40-foot, Low-Floor Electric, Battery-Powered buses in the amount of \$2,010,548.40.

/s/ Paul C. Jablonski

Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)



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

## Agenda Item No. 17

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

September 12, 2019

#### SUBJECT:

TRANSPORTATION DEVELOPMENT ACT (TDA) CAPITAL RESERVES FUNDS FOR  
TRANSIT-RELATED PROJECTS (UNIVERSITY AVENUE BUS LANE PAVEMENT  
REHABILITATION -- CITY OF LA MESA)

#### RECOMMENDATION:

That the San Diego Metropolitan Transit System (MTS) Board of Directors (Board) approve the use of \$718,640 in TDA funds to fund the City of La Mesa's University Avenue Bus Lane Pavement Rehabilitation capital project.

#### Budget Impact

The University Avenue Bus Lane Pavement Rehabilitation capital project requested by the City of La Mesa was funded in MTS FY18 Capital Improvement Program (CIP).

#### DISCUSSION:

In Fiscal Year 2010, MTS agreed to set aside \$1,341,009 in TDA funding capacity for the benefit of the City of La Mesa transit-related projects. This related to carry-over TDA funding set aside for the City La Mesa before the 2004 restructuring of MTS, SANDAG and related TDA funding allocations.

At the City of La Mesa's request, MTS funded three TDA-eligible projects as part of its FY 2012 CIP:

FY 2012 CIP - CITY OF LA MESA TDA PROJECTS:	
La Mesa Village Trolley Access Improvements	\$ 420,000.00
Allison Avenue Bus Corridor Improvements	\$ 140,000.00
La Mesa Boulevard Bus Shelters	\$ 62,368.90
FY 2012 CIP Total:	\$ 622,368.90



At the City of La Mesa's subsequent request, MTS funded a final TDA-eligible project as part of the FY 2018 CIP:

<b>FY 2018 CIP - CITY OF LA MESA TDA PROJECTS:</b>	
University Avenue Bus Lane Pavement Rehabilitation	\$ 718,640.00

The University Avenue Bus Lane Pavement Rehabilitation project was funded as part of MTS's FY 2018 CIP, with the Board approved on March 2, 2017 (AI 2c). This brings the total amount of TDA drawdown by the City of La Mesa to \$1,341,008.90, which exhausts the City of La Mesa's balance.

<b>COMBINED PRE-2004 TDA DRAWDOWN - CITY OF LA MESA:</b>	
FY 2012 CIP Total:	\$ 622,368.90
FY 2018 CIP Total:	\$ 718,640.00
Combined FY 2012 and 2018 Project Totals	\$ 1,341,008.90

The University Avenue Bus Lane Pavement Rehabilitation project is underway. Today's action would authorize the Chief Executive Officer to disburse up to \$718,640.00 in TDA funds to the City of La Mesa for eligible project expenses.

/s/ Paul C. Jablonski  
Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)



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

## Agenda Item No. 45

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

September 12, 2019

#### SUBJECT:

TROLLEY CONNECTION TO SAN DIEGO INTERNATIONAL AIRPORT EVALUATION  
UPDATE (HEATHER FUREY, WAYNE TERRY, AND MOTT MACDONALD  
REPRESENTATIVE)

#### INFORMATIONAL ONLY

##### Budget Impact

None.

#### DISCUSSION:

Within the region, there is a strong desire to increase public transit options to the airport. Mott MacDonald is conducting a study in order to fully understand the options available and the implications of selecting one of the viable options. On June 13, 2019, the MTS Board of Directors approved Mott MacDonald to conduct this study, funded by the San Diego Association of Governments (SANDAG). This analysis is part of SANDAG's larger Airport Transit Alternatives Analysis Study. Therefore, the Mott MacDonald study has been managed jointly by SANDAG and MTS.

Mott MacDonald has developed concept designs to enable a trolley connection to the airport, using both aerial and underground connections to the existing trolley tracks, while maintaining the required operational clearances to the at-grade freight lines. MTS staff and Mott MacDonald representatives will give a presentation summarizing the options developed and submitted to SANDAG for incorporation into their Airport Transit Alternatives Analysis effort.

/s/ Paul C. Jablonski

Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)





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

## Agenda Item No. 46

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

September 12, 2019

#### SUBJECT:

DESERT LINE BINATIONAL RAILROAD PROJECT – STATUS UPDATE (KAREN LANDERS)

#### INFORMATIONAL ITEM

##### Budget Impact

None related to this agenda item. The Desert Line lease between San Diego Metropolitan Transit System (MTS) and Baja California Railroad (BJRR) requires all costs for the Desert Line rehabilitation work, construction of required customs inspection facilities, and resumption of freight operations to be borne by BJRR. Under the lease, MTS receives minimum annual rent of \$1,000,000 (paid semi-annually). Once freight operations commence, MTS will receive annual rent of \$1,000,000 or 7% of BJRR gross freight revenues, whichever is higher. Since 2013, MTS has received \$6,500,000 in revenue from the Desert Line Lease.

#### DISCUSSION:

The Desert Line is a 70-mile railroad right of way that starts at the US/Mexico international border south of Campo and extends to Plaster City in Imperial County. In Plaster City, the Desert Line connects to the Union Pacific Railroad network. The Desert Line is owned by San Diego & Arizona Eastern Railway (SD&AE), a non-profit public benefit corporation solely owned by MTS. The line is part of the San Diego & Arizona Railway constructed by John D. Spreckels between 1907 and 1919 (November 15, 2019 marks the 100-year anniversary of the completion of the railroad).<sup>1</sup> MTS acquired the SD&AE entity, and all of its associated railroad right-of-way, in 1979. The SD&AE right-of-way was the foundation for the MTS Blue Line and Orange Line trolley routes. The Desert Line right-of-way was part of the “package deal” that acquired the trolley rights-of-

<sup>1</sup> The Pacific Southwest Railway Museum is planning various events to honor this 100-year anniversary:  
<https://www.psrn.org/centennial/>



way. Freight has operated on the Desert Line intermittently over the previous decades, but was stopped completely in or about 2009 when a bridge inspection report revealed significant safety deficiencies.

On December 21, 2012, MTS approved a lease for the rehabilitation of and resumption of freight operations on the Desert Line. The proposed rehabilitation is extensive: replacement of up to 70 miles of track, ties and ballast, inspection and refurbishment of up to 57 bridges and 17 tunnels, construction of modern railyard facilities for loading and unloading of freight cars, and construction of required customs and inspection facilities in primary and secondary locations approved by US Customs and Border Protection officials. The original lessee, Pacific Imperial Railroad, held the lease until approximately April 17, 2017 when it was assigned to an entity associated with Baja California Railroad (BJRR) as part of a bankruptcy proceeding.

On September 21, 2017, MTS entered into an Amended and Restated Lease with BJRR for the lease and exclusive right to operate freight on the Desert Line.

The BJRR lease requires BJRR to restore the Desert Line to an operating condition, which has been estimated to cost at least \$60 million. Because the BJRR project is intended to accommodate commercial freight railroad operations between the United States and Baja California, a major approval that is still needed for the project to move forward is approval by US and Mexican federal authorities of rail cargo customs inspection facilities at or near the Desert Line border crossing. The MTS-BJRR lease acknowledges this important step and delays the start of all repair milestone time periods until after the construction of a customs inspection facility is approved.

While BJRR continues to work on its construction plans and has hired environmental consultants to help them navigate any required environmental reviews and permits, the focus for the last two years has been the customs inspection facility. This process is ongoing. Staff is currently working closely with BJRR, US Customs and Border Protection (CBP), the US State Department, and their Mexican counter-parts (Secretaria de Hacienda y Crédito Publico - Sistema de Administración Tributaria (SAT) and Secretaria de Relaciones Internacionales (SRE)) to identify the facility, equipment and operational needs of each country.

As the property owner and a public agency, MTS is closely involved in facilitating the customs inspection facility planning process between BJRR and CBP. Although BJRR will be responsible for funding and constructing the facility (after approvals from CBP and SAT), it is important that MTS be involved to ensure that all government needs are addressed and that MTS and BJRR have policies and procedures in place to comply with any requirements once operations begin. To date, all parties involved have been working collaboratively to address both the practical business needs and the important governmental public safety and national security interests that exist at border crossings.

On August 15, 2019, a site visit was conducted with representatives from CBP, US Border Patrol, the US State Department, and CBP vendors for Non-Intrusive Inspection (NII) equipment. The site visit accomplished an important milestone in the process

with CBP: the CBP NII team and associated vendors agreed that NII equipment can be configured and installed to accommodate the unique and limited terrain at the primary inspection location (a remote tunnel and ravine where the Desert Line begins at the international border). The next steps are for the NII vendors to identify general specifications for their individual NII systems at the primary inspection location and for BJRR to incorporate those requirements into more detailed plans for the full inspection facilities to be constructed for the benefit of CBP.

Although BJRR has begun some of the required steps for environmental compliance, more work is necessary to confirm what resource agencies may have jurisdiction, what exemptions may apply to the project, and what level of review and/or mitigation may be necessary for the project to commence construction. These steps must be completed before MTS staff can authorize construction and repair activities.

Further briefings will be provided to the Board as the project develops.

/s/ Paul C. Jablonski

Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)



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

## Agenda Item No. 47

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

September 12, 2019

#### SUBJECT:

COMIC-CON 2019 RECAP (ROB SCHUPP AND TOM DOOGAN)

#### INFORMATIONAL ONLY

##### Budget Impact

None.

#### DISCUSSION:

MTS provided extra service for the 2019 Comic-Con held at the San Diego Convention Center. MTS collaborated to print commemorative passes, provided Compass Cloud mobile ticketing to attendees, and generated advertising revenues. This report will provide an overview of all operational and marketing efforts as well as a report on ridership results.

/s/ Paul C. Jablonski  
Paul C. Jablonski  
Chief Executive Officer

Key Staff Contact: Sharon Cooney, 619.557.4513, [Sharon.Cooney@sdmts.com](mailto:Sharon.Cooney@sdmts.com)







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

## Agenda Item No. 61

### Chief Executive Officer's Report

September 12, 2019

In accordance with Board Policy No. 52, "Procurement of Goods and Services", attached are listings of contracts, purchase orders, and work orders that have been approved within the CEO's authority (up to and including \$100,000) for the period July 17, 2019 through August 27, 2019.

\*Please note additional reporting of purchase orders that is now possible with the new SAP Enterprise Resource Planning system.

#### CEO Travel Report (since last Board meeting)

August 20: CTE National Advanced Technology Transit Vehicle Advisory Panel in Los Angeles, CA  
September 4-5: APTA Nominating Committee Meeting in Denver, CO

#### Board Member Travel Report (since last Board meeting)

N/A



EXPENSE CONTRACTS				
Doc #	Organization	Subject	Amount	Day
G2159.1-18	SMITH, WATTS & HARTMANN	VOTER OPINION RESEARCH	\$95,000.00	7/17/2019
L1466.1-19	MY ELECTRICIAN	ZERO COST TIME EXTENSION	\$0.00	7/17/2019
PWL243.6-17	VEOLIA TRANSPORTATION	ZERO COST TIME EXTENSION	\$0.00	7/18/2019
G2053.1-18.13	CIVILIAN	VOICE OF TRANSIT EARNED MEDIA SUPPORT	\$27,000.00	7/19/2019
PWB268.2-19	ALVAREZ & SHAW	CCO 3,4 & 5	\$96,284.28	7/19/2019
G2053.1-18.14	CIVILIAN	ELEVATE SD 2020 PROJECT MGMT - COMMUNICATIONS SUPPORT	\$11,625.00	7/19/2019
G1946.0-17AE-47	GLOBAL SIGNALS	FARE COLLECTION UPGRADE	\$46,086.20	7/22/2019
G1953.0-17AE-46	PACIFIC RAIL ENTERPRISES	SOFTWARE MANAGEMENT MIDCOAST	\$73,801.72	7/22/2019
G1698.2-14	VERIZON WIRELESS	6 MONTH EXTENSION	\$18,645.60	7/23/2019
B0649.1-16	SAN DIEGO FRICTION PRODUCTS	EXERCISE OPT YEARS FOR GROUP D & E	\$50,000.00	7/23/2019
PWL234.0-177503-51.1	ABC CONSTRUCTION	BREAKER REPLACEMENT PROJECT	\$15,926.49	7/24/2019
G2008.2-17	CRAYON SOFTWARE EXPERTS	ADD FUNDS TO YR2	\$70,155.96	7/24/2019
G2308.0-20	US FIRE STOP LESS INSURANCE	PLAN REPLACES FORMER RIVERSTONE PPO PLAN	\$0.00	7/24/2019
L1193.2-14	CARLOS GUZMAN INC	TIME EXTENSION	\$0.00	7/26/2019
B0688.5-18	NEW FLYER OF AMERICA	PRICE CHANGES #3 FOR TOOLS & DIAGNOSTICS	\$207.10	7/26/2019
PWG238.0-17-7502-04	SELECT ELECTRIC	12TH & IMPERIAL SHORT BREAKER	\$19,627.69	7/30/2019
PWL203.0-16-15.01	HMS CONSTRUCTION	PEDESTRIAN SIGNAL	\$2,938.60	7/30/2019
G2261.1-19	MEDICAL TRANSPORTATION MANAGEMENT	ADD DISCLOSURE OF OWNERSHIP	\$0.00	7/30/2019
G1948.3-17	HNTB CORPORATION	ADDS BSE ENGINEERING AS SUB TO MASTER AGREEMENT	\$0.00	7/31/2019
PWL234.0-177503-48.1	ABC CONSTRUCTION	IAD CREW ROOM EXTERIOR REHAB	\$2,498.04	8/2/2019
PWL234.0-1748-01	ABC CONSTRUCTION	ADDITIONAL OF SIDING AND ELECTRICAL WORK	\$2,498.04	8/2/2019
G2204.1-19	DALEY & HEFT LLP	ADDS FUNDS	\$75,000.00	8/5/2019
G2203.1-19	Paul Plevin Sullivan & Connaughton LLP	ADD FUNDS	\$75,000.00	8/5/2019
PWL204.0-197504.15.8	ABC CONSTRUCTION	OLD TOWN SHELTER REPLACEMENT	\$2,004.87	8/8/2019

EXPENSE CONTRACTS				
Doc #	Organization	Subject	Amount	Day
G2258.1-19	GIRON INC	UPDATE AND REPLACE THE CONTRACT PRICING SCHEDULE	\$6,462.00	8/9/2019
L1416.2-18	SIEMENS INDUSTRY	ANNUAL ESCALATION OF UNSCHEDULED RATES	\$0.00	8/9/2019
G1493.0-1313.18.03	KIMLEY HORN & ASSOC.	OLD TOWN TRANSIT CENTER EXPANSION	\$98,973.47	8/9/2019
G1951.2-17	MOTT MCDONALD GROUP	ADDS BYRNE COMM. CONSULTING AND FEHR AND PEERS	\$0.00	8/13/2019
G1644.3-14	SMITH, WATTS & MARTINEZ	1 YEAR EXTENSION	\$34,800.00	8/20/2019
G2075.0-18-AE-48	DOKKEN ENGINEERING	A&E SERVICES FOR VARIOUS PEER REVIEWS	\$39,232.12	8/20/2019
G2016.0-17CM003.1	TRC ENGINEERS	ADDITIONAL INSPECTION SERVICES	\$21,099.64	8/22/2019
G2199.0-19	ANNEX WAREHOUSE COMPANY	VEHICLE PAINT SUPPLY	\$86,984.77	8/22/2019
L1416.3-18	SIEMENS MOBILITY	NO COST TIME EXTENSION	\$0.00	8/22/2019
PWL235.0-177506-04	HMS CONSTRUCTION	FIELD SURVEY & INSPECTIONS OF FIBER PATH	\$11,136.50	8/23/2019
G1949.0-17AE-06.02	JACOBS ENGINEERING	ADDITIONAL DESIGN SERVICES	\$0.00	8/27/2019

REVENUE CONTRACTS & MOUs				
Doc #	Organization	Subject	Amount	Day
L6770.1-17	HDR ENGINEERING	JROE - EXTEND PERMIT EXPIRATION DATE	\$750.00	7/24/2019
S200-19-711	HP COMMUNICATIONS	ROE - INDUSTRIAL BLVD & DOROTHY ST.	\$1,537.29	7/24/2019
M6727.1-19	FLATIRON WEST	ROE - TIME EXTENSION	\$750.00	7/24/2019
L1512.0-20	BWM INC	ROE - ELECTRA BLDG AT 700 WEST E STREET	\$1,537.29	7/29/2019
G0930.17-04.87	SANDAG	SOFTWARE MANAGEMENT FOR MID-COAST	\$80,202.20	7/29/2019
G2165.2-18	SANDAG	TRY TRANSIT FY19 AMENDMENT FY20	\$12,000.00	7/31/2019
S200-17-660.3	WEST COAST GENERAL CORP	EXTEND PERMIT EXPIRATION	\$750.00	8/1/2019
G2297.0-20	3D ART EXPO	US SAND SCULPTING CHALLENGE	\$5,400.00	8/8/2019
S200-20-717	OLD TOWN TROLLEY TOURS OF SD	ROE - H STREET STATION	\$0.00	8/15/2019
G2309.0-20	SAN YSIDRO CHAMBER OF COMMERCE	SYDRO MUSIC FESTIVAL	\$0.00	8/15/2019
G2295.0-19	NATIONAL CORE	AGREEMENT WITH PALM AVE TOP PROJECT	\$25,000.00	8/19/2019
L5819.0-19	SWINERTON BUILDERS	JROE - KETTNER & HAWTHORNE	\$5,109.78	8/20/2019
S200-20-712	URBAN CORPS OF SAN DIEGO	ROE - CITY OF EL CAJON	\$0.00	8/20/2019
G2313.0-20	CIRCULATE SAN DIEGO	PARTNERSHIP WITH CIRCULATE SD	\$0.00	8/23/2019

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4400000661	7/17/2019	W.W. Grainger Inc		M110-SUB STATION	2,841.82	-	-
4400000662	7/18/2019	W.W. Grainger Inc		M200-YARD FACILITIES	500.73	-	-
4400000663	7/18/2019	W.W. Grainger Inc		G130-SHOP TOOLS	367.93	-	-
4400000664	7/18/2019	W.W. Grainger Inc		M110-SUB STATION	276.05	-	-
4400000665	7/19/2019	Office Depot		G200-OFFICE SUPPLIES	204.39	-	-
4400000666	7/19/2019	Office Depot		G200-OFFICE SUPPLIES	249.13	-	-
4400000667	7/22/2019	W.W. Grainger Inc		M150-PWR SWITCHES/LOCKS	89.82	-	-
4400000668	7/23/2019	W.W. Grainger Inc		G130-SHOP TOOLS	1,598.37	-	-
4400000669	7/23/2019	Office Depot		G200-OFFICE SUPPLIES	525.42	-	-
4400000670	7/23/2019	Office Depot		G200-OFFICE SUPPLIES	62.17	-	-
4400000671	7/24/2019	Office Depot		G200-OFFICE SUPPLIES	59.39	-	-
4400000672	7/25/2019	Office Depot		G200-OFFICE SUPPLIES	193.34	-	-
4400000673	7/25/2019	Office Depot		G200-OFFICE SUPPLIES	166.11	-	-
4400000674	7/25/2019	W.W. Grainger Inc		M200-YARD FACILITIES	3,054.19	-	-
4400000675	7/26/2019	Mcmaster-Carr Supply Co		G150-FASTENERS	255.97	-	-
4400000676	7/29/2019	W.W. Grainger Inc		M200-YARD FACILITIES	1,468.30	-	-
4400000677	7/30/2019	Mcmaster-Carr Supply Co		B250-BUS REPAIR PARTS	33.99	-	-
4400000678	7/31/2019	Office Depot		G200-OFFICE SUPPLIES	519.75	-	-
4400000679	8/1/2019	W.W. Grainger Inc		B250-BUS REPAIR PARTS	41.32	-	-
4400000680	8/1/2019	Office Depot		G200-OFFICE SUPPLIES	78.51	-	-
4400000681	8/1/2019	Office Depot		G200-OFFICE SUPPLIES	585.00	-	-
4400000682	8/1/2019	Office Depot		G200-OFFICE SUPPLIES	34.29	-	-
4400000683	8/1/2019	Office Depot		G200-OFFICE SUPPLIES	17.22	-	-
4400000684	8/6/2019	Office Depot		G200-OFFICE SUPPLIES	72.93	-	-
4400000685	8/6/2019	Office Depot		G200-OFFICE SUPPLIES	1,502.52	-	-
4400000686	8/6/2019	Office Depot		G200-OFFICE SUPPLIES	93.59	-	-
4400000687	8/7/2019	Office Depot		G200-OFFICE SUPPLIES	493.03	-	-
4400000688	8/9/2019	Office Depot		G200-OFFICE SUPPLIES	33.18	-	-
4400000689	8/12/2019	W.W. Grainger Inc		G130-SHOP TOOLS	322.79	-	-
4400000690	8/12/2019	Office Depot		G200-OFFICE SUPPLIES	3,005.03	-	-
4400000691	8/13/2019	Office Depot		G200-OFFICE SUPPLIES	2,610.23	-	-
4400000692	8/15/2019	Office Depot		G200-OFFICE SUPPLIES	131.53	-	-
4400000693	8/16/2019	Office Depot		G200-OFFICE SUPPLIES	323.30	-	-
4400000694	8/16/2019	Office Depot		G200-OFFICE SUPPLIES	245.18	-	-
4400000695	8/19/2019	Office Depot		G200-OFFICE SUPPLIES	362.89	-	-
4400000696	8/20/2019	Office Depot		G200-OFFICE SUPPLIES	58.15	-	-
4400000697	8/20/2019	W.W. Grainger Inc		M200-YARD FACILITIES	142.87	-	-
4400000698	8/22/2019	Office Depot		G200-OFFICE SUPPLIES	80.59	-	-
4400000699	8/22/2019	Office Depot		G200-OFFICE SUPPLIES	127.43	-	-
4400000700	8/22/2019	W.W. Grainger Inc		G130-SHOP TOOLS	460.33	-	-
4400000701	8/23/2019	W.W. Grainger Inc		G180-JANITORIAL SUPPLIES	94.63	-	-
4400000702	8/26/2019	Office Depot		G200-OFFICE SUPPLIES	362.75	-	-
4400000703	8/26/2019	W.W. Grainger Inc		B250-BUS REPAIR PARTS	68.92	-	-
4400000704	8/27/2019	W.W. Grainger Inc		G270-ELECTRICAL/LIGHTING	160.87	-	-
4400000705	8/27/2019	Office Depot		G200-OFFICE SUPPLIES	39.74	-	-
4400000706	8/27/2019	W.W. Grainger Inc		M200-YARD FACILITIES	154.01	-	-
4400000707	8/27/2019	Office Depot		G200-OFFICE SUPPLIES	593.94	-	-
4500025671	7/17/2019	Gillig LLC		B250-BUS REPAIR PARTS	182.23	-	-
4500025672	7/17/2019	W.W. Grainger Inc		F110-SHOP/BLDG MACHINERY	246.33	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500025673	7/17/2019	Dunn-Edwards Corporation		F110-SHOP/BLDG MACHINERY	77.95	-	-
4500025674	7/17/2019	Cubic Transportation Systems		G290-FARE REVENUE EQUIP	3,730.03	-	-
4500025675	7/17/2019	R.S. Hughes Co Inc		G190-SAFETY/MED SUPPLIES	602.91	-	-
4500025676	7/17/2019	Red Truck Fire & Safety Co.	Woman Owned Business	F110-SHOP/BLDG MACHINERY	258.57	-	-
4500025677	7/17/2019	Western Lift Inc		F110-SHOP/BLDG MACHINERY	888.09	-	-
4500025678	7/17/2019	Knorr Brake Company		R220-RAIL/LRV TRUCKS	5,827.18	-	-
4500025679	7/17/2019	Mouser Electronics Inc		B250-BUS REPAIR PARTS	394.37	-	-
4500025680	7/17/2019	Keys & Engraving Inc		M110-SUB STATION	590.47	-	-
4500025681	7/17/2019	San Diego Friction Products, Inc.		B140-BUS CHASSIS	2,686.21	-	-
4500025682	7/17/2019	Western-Cullen-Hayes Inc		M130-CROSSING MECHANISM	3,952.68	-	-
4500025683	7/17/2019	Citywide Auto Glass Inc		R120-RAIL/LRV CAR BODY	735.39	-	-
4500025684	7/17/2019	Global Signals Group, Inc.		P520-A & E/DESIGN	20,107.48	-	19,361.49
4500025685	7/17/2019	Urea-Z, Inc.		G180-JANITORIAL SUPPLIES	1,372.74	-	-
4500025686	7/17/2019	Genuine Parts Co		R180-RAIL/LRV LIGHTING	4,593.64	-	-
4500025687	7/17/2019	U.S. Train Products LLC		R230-RAIL/LRV MECHANICAL	1,207.34	-	-
4500025688	7/17/2019	Tennant Sales & Serv Co		P130-EQUIP MAINT REPR SVC	872.16	-	-
4500025689	7/17/2019	M Power Truck & Diesel Repair		P210-NON-REV VEH REPAIRS	801.32	-	-
4500025690	7/17/2019	Marco's Canopies Inc	Small Business	P280-GENERAL SVC AGRMNTS	950.00	-	-
4500025691	7/17/2019	OneSource Distributors, LLC		G130-SHOP TOOLS	899.72	-	-
4500025692	7/17/2019	Transit Holdings Inc		B120-BUS MECHANICAL PARTS	45,406.20	-	-
4500025693	7/17/2019	SC Commercial, LLC		B180-BUS DIESEL	7,812.92	-	-
4500025694	7/17/2019	Gillig LLC		B120-BUS MECHANICAL PARTS	40,940.70	-	-
4500025695	7/17/2019	Cummins Pacific LLC		B120-BUS MECHANICAL PARTS	17,125.46	-	-
4500025696	7/18/2019	Neopart Transit LLC		B120-BUS MECHANICAL PARTS	1,119.59	-	-
4500025697	7/18/2019	Madden Construction Inc		P280-GENERAL SVC AGRMNTS	579.00	-	-
4500025698	7/18/2019	Kaman Industrial Technologies		G130-SHOP TOOLS	711.30	-	-
4500025699	7/18/2019	Airgas Inc		G190-SAFETY/MED SUPPLIES	312.62	-	-
4500025700	7/18/2019	Gabriela G Hussong		G260-MEDIA	775.00	-	-
4500025701	7/18/2019	Transit Holdings Inc		B160-BUS ELECTRICAL	2,308.27	-	-
4500025702	7/18/2019	San Diego Community		G260-MEDIA	687.50	-	-
4500025703	7/18/2019	W.W. Grainger Inc		G190-SAFETY/MED SUPPLIES	1,102.39	-	-
4500025704	7/18/2019	United Women of East Africa Support		G260-MEDIA	400.00	-	-
4500025706	7/18/2019	PURE Cupcakes, LLC		P440-CATERING SERVICES	299.94	-	-
4500025707	7/18/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	3,097.25	-	-
4500025708	7/18/2019	Muncie Transit Supply		B200-BUS PWR TRAIN EQUIP	134.35	-	-
4500025709	7/18/2019	Jeyco Products Inc		G130-SHOP TOOLS	136.82	-	-
4500025710	7/18/2019	Gillig LLC		B130-BUS BODY	2,041.53	-	-
4500025712	7/18/2019	Pacific Railway Enterprises Inc	DBE	P520-A & E/DESIGN	3,385.31	-	-
4500025714	7/18/2019	PCMG Inc		I110-INFORMATION TECH	5,555.00	-	-
4500025715	7/19/2019	Knorr Brake Company		R220-RAIL/LRV TRUCKS	7,009.63	-	-
4500025716	7/19/2019	Kenneth Place		P130-EQUIP MAINT REPR SVC	695.46	-	-
4500025717	7/19/2019	Robcar Corporation	Woman Owned Business	G110-BUS/TROLLEY SIGNAGE	94.27	-	-
4500025718	7/19/2019	E W Truck & Equipment Co Inc		B130-BUS BODY	1,855.51	-	-
4500025719	7/19/2019	Daniels Tire Service		P210-NON-REV VEH REPAIRS	504.42	-	-
4500025720	7/19/2019	Home Depot USA Inc		G130-SHOP TOOLS	602.13	-	-
4500025721	7/19/2019	JKL Cleaning Systems		F110-SHOP/BLDG MACHINERY	1,990.08	-	-
4500025722	7/19/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	244.37	-	-
4500025723	7/19/2019	Chromate Industrial Corporation		R120-RAIL/LRV CAR BODY	389.13	-	-
4500025724	7/19/2019	Buswest LLC		B110-BUS HVAC SYSTEMS	460.18	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500025725	7/19/2019	W.W. Grainger Inc		G140-SHOP SUPPLIES	279.61	-	-
4500025726	7/19/2019	Vern Rose Inc		G140-SHOP SUPPLIES	188.70	-	-
4500025728	7/19/2019	Industrial Maintenance Supply LLC	DBE	G130-SHOP TOOLS	193.89	-	-
4500025729	7/19/2019	Curbell Plastics Inc		B130-BUS BODY	495.54	-	-
4500025730	7/22/2019	Gillig LLC		B250-BUS REPAIR PARTS	942.86	-	-
4500025731	7/22/2019	SC Commercial, LLC		A120-AUTO/TRUCK GASOLINE	2,022.12	-	-
4500025732	7/22/2019	Tribologik Corporation		G140-SHOP SUPPLIES	2,298.85	-	-
4500025733	7/22/2019	Transit Holdings Inc		B140-BUS CHASSIS	14,854.44	-	-
4500025734	7/22/2019	Gillig LLC		B130-BUS BODY	8,392.69	-	-
4500025735	7/22/2019	Airgas Inc		G140-SHOP SUPPLIES	1,329.05	-	-
4500025736	7/22/2019	Blue Tech Inc.		I110-INFORMATION TECH	24,991.00	-	-
4500025737	7/22/2019	Neopart Transit LLC		B200-BUS PWR TRAIN EQUIP	1,938.43	-	-
4500025738	7/22/2019	Home Depot USA Inc		G130-SHOP TOOLS	1,257.80	-	-
4500025739	7/22/2019	Tennant Sales & Serv Co		P130-EQUIP MAINT REPR SVC	322.97	-	-
4500025740	7/22/2019	West End Holdings Inc		P260-TESTING & ANALYSIS	225.00	-	-
4500025741	7/22/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	44,584.21	-	-
4500025742	7/22/2019	Lloyd's Collision Center		A140-AUTO/TRUCK REPAIR	3,636.40	-	-
4500025743	7/22/2019	Southern Counties Oil Co, LP		G170-LUBRICANTS	10,259.96	-	-
4500025745	7/22/2019	B&H Photo & Electronics Corp		I110-INFORMATION TECH	3,179.43	-	-
4500025746	7/22/2019	Downtown San Diego Partnership		G260-MEDIA	1,200.00	-	-
4500025747	7/22/2019	W.W. Grainger Inc		B250-BUS REPAIR PARTS	63.03	-	-
4500025748	7/22/2019	Annex Automotive and		F120-BUS/LRV PAINT BOOTHS	11,526.30	-	-
4500025749	7/22/2019	Dimensional Silk Screen Inc		C130-CONSTRUCTION SVCS	1,820.00	-	-
4500025750	7/22/2019	Norman Industrial Materials		B250-BUS REPAIR PARTS	251.25	-	-
4500025751	7/22/2019	Prochem Specialty Products Inc	Small Business	G180-JANITORIAL SUPPLIES	2,087.23	-	-
4500025752	7/22/2019	Vern Rose Inc		G140-SHOP SUPPLIES	578.12	-	-
4500025753	7/22/2019	Mohawk Mfg & Supply Co		B140-BUS CHASSIS	2,241.27	-	-
4500025754	7/22/2019	Supreme Oil Company		A120-AUTO/TRUCK GASOLINE	9,093.40	-	-
4500025755	7/22/2019	SC Commercial, LLC		A120-AUTO/TRUCK GASOLINE	2,108.43	-	-
4500025756	7/22/2019	Team One Repair Inc		G290-FARE REVENUE EQUIP	3,139.16	-	-
4500025757	7/22/2019	W.W. Grainger Inc		G180-JANITORIAL SUPPLIES	2,068.79	-	-
4500025758	7/22/2019	California Stamp Company	Small Business	G250-NOVELTIES & AWARDS	394.37	-	-
4500025759	7/22/2019	Allied Refrigeration Inc		R170-RAIL/LRV HVAC	1,910.90	-	-
4500025760	7/22/2019	Professional Contractors Supplies		G160-PAINTS & CHEMICALS	313.08	-	-
4500025761	7/22/2019	Waxie's Enterprises Inc.		G180-JANITORIAL SUPPLIES	319.32	-	-
4500025764	7/23/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	204.67	-	-
4500025765	7/23/2019	Muncie Transit Supply		B130-BUS BODY	2,715.03	-	-
4500025766	7/23/2019	Northwest Pump & Equipment Co		G130-SHOP TOOLS	301.78	-	-
4500025768	7/23/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	327.75	-	-
4500025769	7/23/2019	Global Signals Group, Inc.		P520-A & E/DESIGN	8,057.78	-	-
4500025770	7/23/2019	Raphael's Party Rentals Inc		G250-NOVELTIES & AWARDS	1,987.51	-	-
4500025771	7/23/2019	W.W. Grainger Inc		G190-SAFETY/MED SUPPLIES	126.91	-	-
4500025772	7/23/2019	Raphael's Party Rentals Inc		P160-EQUIPMENT RENTALS	827.58	-	-
4500025773	7/23/2019	Team One Repair Inc		G280-FARE MATERIALS	3,097.34	-	-
4500025774	7/23/2019	Tacos & Gorditas para sus Fiestas		P440-CATERING SERVICES	2,830.00	-	-
4500025775	7/23/2019	Chromate Industrial Corporation		G150-FASTENERS	1,645.81	-	-
4500025776	7/23/2019	Tacos & Gorditas para sus Fiestas		P440-CATERING SERVICES	6,560.00	-	-
4500025777	7/23/2019	E&E Industries	Small Business	F110-SHOP/BLDG MACHINERY	889.35	-	-
4500025778	7/23/2019	W.W. Grainger Inc		F110-SHOP/BLDG MACHINERY	298.43	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500025779	7/23/2019	AmeriMed CPR Training, Inc.		P460-MEDICAL SERVICES	1,200.00	-	-
4500025780	7/23/2019	Staples Contract & Commercial Inc		G200-OFFICE SUPPLIES	2,118.22	-	-
4500025781	7/23/2019	Transit Holdings Inc		B160-BUS ELECTRICAL	8,139.73	-	-
4500025782	7/23/2019	Supreme Oil Company		A120-AUTO/TRUCK GASOLINE	23,331.44	-	-
4500025783	7/23/2019	IPC (USA), Inc.		B180-BUS DIESEL	7,823.02	-	-
4500025784	7/23/2019	Gillig LLC		B140-BUS CHASSIS	3,302.20	-	-
4500025785	7/23/2019	Neopart Transit LLC		B130-BUS BODY	9,834.45	-	-
4500025786	7/23/2019	Cummins Pacific LLC		B120-BUS MECHANICAL PARTS	20,137.90	-	-
4500025787	7/23/2019	Transit Holdings Inc		B120-BUS MECHANICAL PARTS	141.43	-	-
4500025789	7/24/2019	Taymark		G250-NOVELTIES & AWARDS	997.02	-	-
4500025790	7/24/2019	Romaine Electric Corporation	Small Business	B160-BUS ELECTRICAL	7,733.80	-	-
4500025791	7/24/2019	Dartco Transmission		B200-BUS PWR TRAIN EQUIP	1,172.23	-	-
4500025792	7/24/2019	APD Incorporated		B130-BUS BODY	468.33	-	-
4500025793	7/24/2019	Insultech LLC		B200-BUS PWR TRAIN EQUIP	1,754.39	-	-
4500025794	7/24/2019	Reefco LLC		B110-BUS HVAC SYSTEMS	1,492.77	-	-
4500025795	7/24/2019	Ace Uniforms & Accessories	Small Business	G120-SECURITY	592.36	-	-
4500025796	7/24/2019	TRC Engineers, Inc.		C140-CONSTRUCTION MGT SRV	43,944.81	-	-
4500025797	7/24/2019	B & S Graphics Inc		B130-BUS BODY	94.82	-	-
4500025798	7/24/2019	Reid and Clark Screen Arts Co		R120-RAIL/LRV CAR BODY	1,192.80	-	-
4500025799	7/24/2019	Nth Generation Computing Inc	Woman Owned Business	I110-INFORMATION TECH	150.85	-	-
4500025800	7/24/2019	Sherwin Williams Company		F120-BUS/LRV PAINT BOOTHS	714.33	-	-
4500025801	7/24/2019	Transit Holdings Inc		B160-BUS ELECTRICAL	8,710.85	-	-
4500025802	7/24/2019	Gillig LLC		B200-BUS PWR TRAIN EQUIP	6,460.11	-	-
4500025803	7/24/2019	Neopart Transit LLC		B140-BUS CHASSIS	149.65	-	-
4500025804	7/24/2019	Mohawk Mfg & Supply Co		B250-BUS REPAIR PARTS	10,487.55	-	-
4500025805	7/24/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	25,033.88	-	-
4500025807	7/25/2019	Don Oleson Inc	Small Business	B120-BUS MECHANICAL PARTS	4,902.69	-	-
4500025808	7/25/2019	Jeyco Products Inc		G130-SHOP TOOLS	207.24	-	-
4500025809	7/25/2019	US Mobile Wireless		R150-RAIL/LRV COMM EQUIP	690.00	-	-
4500025810	7/25/2019	OneSource Distributors, LLC		G130-SHOP TOOLS	833.18	-	-
4500025811	7/25/2019	Anthony J. Basile		G180-JANITORIAL SUPPLIES	1,081.89	-	-
4500025812	7/25/2019	Padre Janitorial Supplies Inc	Small Business	G180-JANITORIAL SUPPLIES	727.09	-	-
4500025813	7/25/2019	Ridout Plastics Co Inc		T110-TRACK, RAIL	591.49	-	-
4500025814	7/25/2019	Robcar Corporation	Woman Owned Business	G110-BUS/TROLLEY SIGNAGE	3,677.52	-	-
4500025816	7/25/2019	BJ's Rentals	Small Business	P160-EQUIPMENT RENTALS	520.20	-	-
4500025817	7/25/2019	Home Depot USA Inc		G130-SHOP TOOLS	515.46	-	-
4500025818	7/25/2019	JKL Cleaning Systems		P210-NON-REV VEH REPAIRS	32.33	-	-
4500025819	7/25/2019	Reid and Clark Screen Arts Co		A140-AUTO/TRUCK REPAIR	127.51	-	-
4500025820	7/25/2019	Industrial Maintenance Supply LLC	DBE	G150-FASTENERS	235.57	-	-
4500025821	7/25/2019	Freeby Signs		B250-BUS REPAIR PARTS	800.81	-	-
4500025822	7/25/2019	Abacor, Inc.	Small Business	P210-NON-REV VEH REPAIRS	2,982.00	-	-
4500025823	7/25/2019	United Refrigeration Inc		G170-LUBRICANTS	814.00	-	-
4500025824	7/25/2019	Charter Industrial Supply Inc	Small Business	B200-BUS PWR TRAIN EQUIP	675.45	-	-
4500025825	7/25/2019	Steven Timme		G230-PRINTED MATERIALS	1,265.80	-	-
4500025826	7/25/2019	Steven Timme		G230-PRINTED MATERIALS	588.92	-	-
4500025827	7/26/2019	Don Oleson Inc	Small Business	P190-REV VEHICLE REPAIRS	475.00	-	-
4500025828	7/26/2019	Transit Holdings Inc		B120-BUS MECHANICAL PARTS	9,577.18	-	-
4500025829	7/26/2019	Mcmaster-Carr Supply Co		F110-SHOP/BLDG MACHINERY	92.32	-	-
4500025830	7/26/2019	Gillig LLC		B160-BUS ELECTRICAL	6,041.66	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500025832	7/26/2019	Neopart Transit LLC		B140-BUS CHASSIS	689.25	-	-
4500025833	7/26/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	8,751.78	-	-
4500025834	7/26/2019	Mcmaster-Carr Supply Co		B250-BUS REPAIR PARTS	36.17	-	-
4500025835	7/26/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	220.00	-	-
4500025836	7/26/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	220.00	-	-
4500025837	7/26/2019	West End Holdings Inc		P260-TESTING & ANALYSIS	713.40	-	-
4500025838	7/26/2019	Staples Contract & Commercial Inc		G200-OFFICE SUPPLIES	47.22	-	-
4500025839	7/26/2019	Home Depot USA Inc		P540-MAINTENANCE TRAINING	644.35	-	-
4500025840	7/26/2019	Cummins Pacific LLC		P190-REV VEHICLE REPAIRS	220.00	-	-
4500025841	7/26/2019	AmeriMed CPR Training, Inc.		P540-MAINTENANCE TRAINING	600.00	-	-
4500025842	7/26/2019	Makai Solutions	Small Business	F110-SHOP/BLDG MACHINERY	5,224.56	-	-
4500025843	7/26/2019	Mott MacDonald Group Inc		P520-A & E/DESIGN	44,266.86	-	-
4500025844	7/26/2019	JKL Cleaning Systems		F110-SHOP/BLDG MACHINERY	182.10	-	-
4500025845	7/26/2019	Madden Construction Inc		P280-GENERAL SVC AGRMNTS	995.00	-	-
4500025846	7/26/2019	Supreme Oil Company		B180-BUS DIESEL	7,891.43	-	-
4500025847	7/26/2019	Mouser Electronics Inc		R160-RAIL/LRV ELECTRICAL	2,436.43	-	-
4500025848	7/26/2019	Abacor, Inc.	Small Business	A140-AUTO/TRUCK REPAIR	2,982.00	-	-
4500025849	7/26/2019	General Auto Repair		A140-AUTO/TRUCK REPAIR	550.04	-	-
4500025850	7/29/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	310.98	-	-
4500025851	7/29/2019	Steven Timme		G230-PRINTED MATERIALS	2,274.67	-	-
4500025852	7/29/2019	3rd Generation Embroidery, Inc.		G240-UNIFORM PROCUREMENT	695.70	-	-
4500025853	7/29/2019	Mouser Electronics Inc		B250-BUS REPAIR PARTS	73.27	-	-
4500025854	7/29/2019	Supreme Oil Company		A120-AUTO/TRUCK GASOLINE	9,586.60	-	-
4500025855	7/29/2019	SC Commercial, LLC		A120-AUTO/TRUCK GASOLINE	1,923.48	-	-
4500025856	7/29/2019	Controlled Motion Solutions Inc		B250-BUS REPAIR PARTS	409.80	-	-
4500025857	7/29/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	584.56	-	-
4500025858	7/29/2019	Siemens Mobility, Inc.		R240-RAIL/LRV REPR PARTS	1,677.68	-	-
4500025859	7/29/2019	Open Transit Software		I120-INFO TECH, SVCS	2,000.00	-	-
4500025860	7/29/2019	Sitterwise, Inc.		G260-MEDIA	448.00	-	-
4500025861	7/29/2019	Brown & Bigelow Inc		G250-NOVELTIES & AWARDS	992.82	-	-
4500025862	7/29/2019	Raphael's Party Rentals Inc		G250-NOVELTIES & AWARDS	1,923.84	-	-
4500025863	7/29/2019	Culligan of San Diego		G140-SHOP SUPPLIES	2,040.00	-	-
4500025864	7/30/2019	Kaman Industrial Technologies		G140-SHOP SUPPLIES	57.54	-	-
4500025865	7/30/2019	Siemens Mobility, Inc.		R230-RAIL/LRV MECHANICAL	17,735.01	-	-
4500025866	7/30/2019	Mission Janitorial Supplies		G180-JANITORIAL SUPPLIES	1,063.74	-	-
4500025867	7/30/2019	Waxie's Enterprises Inc.		G180-JANITORIAL SUPPLIES	174.05	-	-
4500025868	7/30/2019	Neleco Products Inc		G170-LUBRICANTS	27,308.16	-	-
4500025869	7/30/2019	Home Depot USA Inc		G140-SHOP SUPPLIES	842.54	-	-
4500025870	7/30/2019	W.W. Grainger Inc		G170-LUBRICANTS	2,644.52	-	-
4500025871	7/30/2019	Team One Repair Inc		G290-FARE REVENUE EQUIP	2,171.46	-	-
4500025872	7/30/2019	HI-TEC Enterprises	Small Business	R120-RAIL/LRV CAR BODY	1,135.16	-	-
4500025873	7/30/2019	Professional Contractors Supplies		G170-LUBRICANTS	619.41	-	-
4500025874	7/30/2019	JKL Cleaning Systems		P130-EQUIP MAINT REPR SVC	419.07	-	-
4500025875	7/30/2019	Sid Tool Co		G130-SHOP TOOLS	3,229.66	-	-
4500025876	7/30/2019	W.W. Grainger Inc		F110-SHOP/BLDG MACHINERY	2,209.86	-	-
4500025877	7/30/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	220.00	-	-
4500025878	7/30/2019	Global Signals Group, Inc.		P520-A & E/DESIGN	49,086.20	-	-
4500025879	7/30/2019	W.W. Grainger Inc		G140-SHOP SUPPLIES	733.39	-	-
4500025880	7/30/2019	General Auto Repair		A140-AUTO/TRUCK REPAIR	310.04	-	-



Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500025881	7/30/2019	R.S. Hughes Co Inc		G140-SHOP SUPPLIES	2,606.76	-	-
4500025882	7/30/2019	Kaman Industrial Technologies		B200-BUS PWR TRAIN EQUIP	1,145.39	-	-
4500025883	7/30/2019	Gillig LLC		B250-BUS REPAIR PARTS	258.81	-	-
4500025884	7/30/2019	Jeyco Products Inc		G180-JANITORIAL SUPPLIES	349.19	-	-
4500025886	7/30/2019	W.W. Grainger Inc		P280-GENERAL SVC AGRMNTS	18.07	-	-
4500025887	7/30/2019	Waxie's Enterprises Inc.		G140-SHOP SUPPLIES	2,291.01	-	-
4500025888	7/30/2019	Industrial Maintenance Supply LLC	DBE	G150-FASTENERS	475.96	-	-
4500025889	7/30/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	92.67	-	-
4500025890	7/30/2019	Inland Kenworth (US) Inc		B200-BUS PWR TRAIN EQUIP	603.80	-	-
4500025891	7/30/2019	Simon Wong Engineering Inc		C140-CONSTRUCTION MGT SRV	95,746.76	-	-
4500025892	7/30/2019	Franklin Covey Client Sales Inc		P490-MANAGEMENT TRAINING	20,900.00	-	-
4500025893	7/30/2019	Culligan of San Diego		G140-SHOP SUPPLIES	2,040.00	-	-
4500025894	7/30/2019	Rayne - San Diego Inc		G120-SECURITY	456.00	-	-
4500025895	7/30/2019	Transit Holdings Inc		B140-BUS CHASSIS	9,020.25	-	-
4500025896	7/31/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	745.82	-	-
4500025897	7/31/2019	Gillig LLC		B250-BUS REPAIR PARTS	8,543.22	-	-
4500025898	7/31/2019	Inland Kenworth (US) Inc		B200-BUS PWR TRAIN EQUIP	185.93	-	-
4500025899	7/31/2019	Delphin Computer Supply	Small Business	G200-OFFICE SUPPLIES	450.40	-	-
4500025900	7/31/2019	Western-Cullen-Hayes Inc		M130-CROSSING MECHANISM	691.76	-	-
4500025901	7/31/2019	Airgas Inc		G190-SAFETY/MED SUPPLIES	2,754.39	-	-
4500025902	7/31/2019	Transit Holdings Inc		B130-BUS BODY	26.37	-	-
4500025903	7/31/2019	Gillig LLC		B250-BUS REPAIR PARTS	1,288.05	-	-
4500025904	7/31/2019	Outfront Media Inc		P310-ADVERTISING SERVICES	41,600.00	-	-
4500025905	7/31/2019	California Commercial Asphalt,LLC		T160-TRACK, AGGREGATES	2,742.28	-	-
4500025906	7/31/2019	Steven Timme		G230-PRINTED MATERIALS	1,186.33	-	-
4500025907	7/31/2019	W.W. Grainger Inc		P540-MAINTENANCE TRAINING	1,398.86	-	-
4500025908	7/31/2019	NeonjungleSD.com, Inc.		P280-GENERAL SVC AGRMNTS	800.00	-	-
4500025909	7/31/2019	Home Depot USA Inc		P120-BLDG/FACILITY REPRS	215.28	-	-
4500025910	7/31/2019	Transit Holdings Inc		B120-BUS MECHANICAL PARTS	8,833.82	-	-
4500025911	7/31/2019	Golden State Supply LLC		P210-NON-REV VEH REPAIRS	172.84	-	-
4500025912	7/31/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	14,078.65	-	-
4500025913	7/31/2019	R.B. Hornberger Co Inc		T110-TRACK, RAIL	3,068.75	-	-
4500025914	7/31/2019	Allied Electronics Inc		M110-SUB STATION	21.87	-	-
4500025915	7/31/2019	Vern Rose Inc		G140-SHOP SUPPLIES	428.82	-	-
4500025916	7/31/2019	Waxie's Enterprises Inc.		G140-SHOP SUPPLIES	2,736.35	-	-
4500025917	7/31/2019	R.S. Hughes Co Inc		G140-SHOP SUPPLIES	2,126.84	-	-
4500025918	7/31/2019	Muncie Transit Supply		B200-BUS PWR TRAIN EQUIP	426.88	-	-
4500025920	7/31/2019	Southern Counties Oil Co, LP		B180-BUS DIESEL	22,591.95	-	-
4500025921	7/31/2019	Gillig LLC		B140-BUS CHASSIS	1,405.81	-	-
4500025922	7/31/2019	Neopart Transit LLC		B200-BUS PWR TRAIN EQUIP	2,864.22	-	-
4500025923	7/31/2019	Freeby Signs		B250-BUS REPAIR PARTS	585.09	-	-
4500025924	8/1/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	197.40	-	-
4500025925	8/1/2019	Cummins Pacific LLC		P190-REV VEHICLE REPAIRS	1,086.91	-	-
4500025926	8/1/2019	MJP Enterprises		P210-NON-REV VEH REPAIRS	3,333.19	-	-
4500025927	8/1/2019	SC Commercial, LLC		A120-AUTO/TRUCK GASOLINE	1,664.55	-	-
4500025928	8/1/2019	Mcmaster-Carr Supply Co		G140-SHOP SUPPLIES	642.23	-	-
4500025929	8/1/2019	Harbor Diesel & Equipment		G170-LUBRICANTS	2,477.18	-	-
4500025930	8/1/2019	Capay Incorporated		P280-GENERAL SVC AGRMNTS	30,000.00	-	-
4500025931	8/1/2019	Madden Construction Inc		P280-GENERAL SVC AGRMNTS	523.09	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500025932	8/1/2019	SC Commercial, LLC		B180-BUS DIESEL	7,486.48	-	-
4500025933	8/1/2019	Inland Kenworth (US) Inc		B200-BUS PWR TRAIN EQUIP	48.01	-	-
4500025934	8/1/2019	Autolift Services Inc	Small Business	C120-SPECIALTY CONTRACTOR	2,300.32	-	-
4500025935	8/1/2019	M Power Truck & Diesel Repair		P210-NON-REV VEH REPAIRS	465.00	-	-
4500025936	8/1/2019	Industrial Maintenance Supply LLC	DBE	G150-FASTENERS	43.31	-	-
4500025937	8/1/2019	Kaman Industrial Technologies		B120-BUS MECHANICAL PARTS	9,156.40	-	-
4500025938	8/1/2019	Mohawk Mfg & Supply Co		B200-BUS PWR TRAIN EQUIP	58.69	-	-
4500025939	8/1/2019	Transit Holdings Inc		B200-BUS PWR TRAIN EQUIP	12,856.94	-	-
4500025940	8/1/2019	Neopart Transit LLC		B140-BUS CHASSIS	4,029.43	-	-
4500025941	8/1/2019	Jeyco Products Inc		G150-FASTENERS	207.16	-	-
4500025942	8/1/2019	Harbor Diesel & Equipment		B250-BUS REPAIR PARTS	2,736.42	-	-
4500025943	8/1/2019	Gillig LLC		B250-BUS REPAIR PARTS	206.88	-	-
4500025944	8/2/2019	CDW LLC		I110-INFORMATION TECH	861.71	-	-
4500025945	8/2/2019	Air & Lube Systems Inc	DBE	F110-SHOP/BLDG MACHINERY	1,211.22	-	-
4500025946	8/2/2019	Machinex, Inc.		R120-RAIL/LRV CAR BODY	1,955.67	-	-
4500025947	8/2/2019	BCP Systems Inc		G290-FARE REVENUE EQUIP	1,174.58	-	-
4500025948	8/2/2019	U.S. Train Products LLC		R230-RAIL/LRV MECHANICAL	1,351.51	-	-
4500025949	8/2/2019	Airgas Inc		G190-SAFETY/MED SUPPLIES	301.45	-	-
4500025950	8/2/2019	OneSource Distributors, LLC		G190-SAFETY/MED SUPPLIES	140.61	-	-
4500025951	8/2/2019	AmeriMed CPR Training, Inc.		P540-MAINTENANCE TRAINING	200.00	-	-
4500025952	8/2/2019	Siemens Mobility, Inc.		R180-RAIL/LRV LIGHTING	13,385.79	-	-
4500025953	8/2/2019	HI-TEC Enterprises	Small Business	R220-RAIL/LRV TRUCKS	1,388.91	-	-
4500025954	8/2/2019	Gillig LLC		B140-BUS CHASSIS	1,757.20	-	-
4500025955	8/2/2019	W.W. Grainger Inc		F110-SHOP/BLDG MACHINERY	182.32	-	-
4500025956	8/2/2019	Madden Construction Inc		P280-GENERAL SVC AGRMNTS	951.60	-	-
4500025957	8/2/2019	Virginia Electronic & Lighting LLC		M140-WAYSIDE SIGNALS	3,671.47	-	-
4500025958	8/2/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	62.50	-	-
4500025959	8/2/2019	Norman Industrial Materials		B250-BUS REPAIR PARTS	757.80	-	-
4500025960	8/2/2019	Harbor Diesel & Equipment		G170-LUBRICANTS	2,477.18	-	-
4500025961	8/2/2019	Industrial Maintenance Supply LLC	DBE	G150-FASTENERS	29.67	-	-
4500025962	8/2/2019	P & R Paper Supply Company Inc		G140-SHOP SUPPLIES	254.14	-	-
4500025963	8/2/2019	Muncie Transit Supply		B160-BUS ELECTRICAL	619.70	-	-
4500025964	8/2/2019	Crossman Landscape & Maintenance		C130-CONSTRUCTION SVCS	895.00	-	-
4500025965	8/2/2019	Chromate Industrial Corporation		G150-FASTENERS	1,518.33	-	-
4500025966	8/2/2019	W.W. Grainger Inc		M110-SUB STATION	645.33	-	-
4500025967	8/2/2019	Kenneth Place		F190-LANDSCAPING MAT'LS	1,014.95	-	-
4500025968	8/2/2019	JKL Cleaning Systems		P130-EQUIP MAINT REPR SVC	1,024.61	-	-
4500025969	8/2/2019	W.W. Grainger Inc		F170-MATL HANDLING EQUIP	256.30	-	-
4500025970	8/2/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	11,305.20	-	-
4500025971	8/3/2019	Shilpark Paint Corp.		G160-PAINTS & CHEMICALS	116.34	-	-
4500025972	8/5/2019	Willy's Electronic Supply Co	Small Business	B250-BUS REPAIR PARTS	102.16	-	-
4500025973	8/5/2019	Airgas Inc		G190-SAFETY/MED SUPPLIES	58.96	-	-
4500025974	8/5/2019	Prudential Overall Supply		G140-SHOP SUPPLIES	306.98	-	-
4500025975	8/5/2019	Wesco Distribution Inc		G270-ELECTRICAL/LIGHTING	120.17	-	-
4500025976	8/5/2019	W.W. Grainger Inc		G140-SHOP SUPPLIES	255.26	-	-
4500025977	8/5/2019	W.W. Grainger Inc		G140-SHOP SUPPLIES	1,326.20	-	-
4500025978	8/5/2019	Kurt Morgan		G200-OFFICE SUPPLIES	1,956.60	-	-
4500025979	8/5/2019	Team One Repair Inc		G290-FARE REVENUE EQUIP	2,215.68	-	-
4500025980	8/5/2019	R.S. Hughes Co Inc		G160-PAINTS & CHEMICALS	711.05	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500025981	8/5/2019	Louis Sardo Upholstery Inc		B130-BUS BODY	1,986.76	-	-
4500025982	8/5/2019	Neyenesch Printers Inc		G230-PRINTED MATERIALS	13,501.08	-	-
4500025983	8/5/2019	Pressnet Express Inc		G230-PRINTED MATERIALS	3,498.64	-	-
4500025984	8/5/2019	Kenneth Place		G130-SHOP TOOLS	1,602.38	-	-
4500025985	8/5/2019	Daktronics Inc		I110-INFORMATION TECH	96.98	-	-
4500025986	8/5/2019	CDW LLC		I110-INFORMATION TECH	1,495.78	-	-
4500025987	8/5/2019	Sherwin Williams Company		G160-PAINTS & CHEMICALS	325.99	-	-
4500025988	8/5/2019	Romaine Electric Corporation	Small Business	B160-BUS ELECTRICAL	11,514.70	-	-
4500025989	8/5/2019	Mohawk Mfg & Supply Co		B120-BUS MECHANICAL PARTS	417.05	-	-
4500025990	8/5/2019	Gillig LLC		B130-BUS BODY	2,929.24	-	-
4500025991	8/5/2019	Gillig LLC		B140-BUS CHASSIS	3,668.98	-	-
4500025992	8/6/2019	Gillig LLC		B130-BUS BODY	2,262.55	-	-
4500025993	8/6/2019	Gillig LLC		B130-BUS BODY	1,315.37	-	-
4500025994	8/6/2019	Labann Corporation		C130-CONSTRUCTION SVCS	3,228.46	-	-
4500025995	8/6/2019	Knorr Brake Company		R160-RAIL/LRV ELECTRICAL	700.90	-	-
4500025996	8/6/2019	AxleTech International LLC		B140-BUS CHASSIS	3,078.72	-	-
4500025997	8/6/2019	Harbor Diesel & Equipment		B200-BUS PWR TRAIN EQUIP	14,531.31	-	-
4500025998	8/6/2019	711 Print Enterprises Inc		G120-SECURITY	1,927.65	-	-
4500025999	8/6/2019	Transit Holdings Inc		B110-BUS HVAC SYSTEMS	1,713.79	-	-
4500026000	8/6/2019	Ridout Plastics Co Inc		P280-GENERAL SVC AGRMNTS	967.45	-	-
4500026001	8/6/2019	CDW LLC		I110-INFORMATION TECH	3,690.77	-	-
4500026002	8/6/2019	Gillig LLC		B130-BUS BODY	2,929.24	-	-
4500026003	8/6/2019	Home Depot USA Inc		F110-SHOP/BLDG MACHINERY	109.58	-	-
4500026004	8/6/2019	Telerik Inc		I120-INFO TECH, SVCS	499.00	-	-
4500026005	8/6/2019	R.S. Hughes Co Inc		B130-BUS BODY	7,097.72	-	-
4500026006	8/6/2019	Supreme Oil Company		A120-AUTO/TRUCK GASOLINE	9,247.50	-	-
4500026007	8/6/2019	Jeyco Products Inc		G140-SHOP SUPPLIES	149.65	-	-
4500026008	8/6/2019	Industrial Maintenance Supply LLC	DBE	G150-FASTENERS	135.64	-	-
4500026009	8/6/2019	Vallen Distribution Inc.		G120-SECURITY	1,787.58	-	-
4500026010	8/6/2019	MCAS Miramar Vet		G120-SECURITY	59.86	-	-
4500026011	8/6/2019	Teknoware Inc.		R180-RAIL/LRV LIGHTING	1,349.03	-	-
4500026012	8/6/2019	Cummins Pacific LLC		P190-REV VEHICLE REPAIRS	237.05	-	-
4500026013	8/6/2019	Gillig LLC		B130-BUS BODY	828.14	-	-
4500026014	8/6/2019	Alliant Insurance Services Inc		P370-RISK MANAGEMENT	15,683.00	-	-
4500026015	8/6/2019	W.W. Grainger Inc		P280-GENERAL SVC AGRMNTS	591.77	-	-
4500026016	8/6/2019	Gillig LLC		B250-BUS REPAIR PARTS	272.96	-	-
4500026017	8/6/2019	Dimensional Silk Screen Inc		C130-CONSTRUCTION SVCS	977.85	-	-
4500026018	8/6/2019	E W Truck & Equipment Co Inc		B130-BUS BODY	2,461.76	-	-
4500026019	8/6/2019	ISC Applied Systems Corp		R150-RAIL/LRV COMM EQUIP	23,015.40	-	-
4500026020	8/6/2019	Cubic Transportation Systems		G290-FARE REVENUE EQUIP	2,528.72	-	-
4500026021	8/6/2019	EAO Switch Corporation		R160-RAIL/LRV ELECTRICAL	304.53	-	-
4500026022	8/6/2019	Luminator Mass Transit, LLC		R180-RAIL/LRV LIGHTING	11,799.05	-	-
4500026023	8/6/2019	West-Lite Supply Co Inc	Small Business	R160-RAIL/LRV ELECTRICAL	950.50	-	-
4500026024	8/6/2019	HI-TEC Enterprises	Small Business	R160-RAIL/LRV ELECTRICAL	2,822.40	-	-
4500026025	8/6/2019	Airgas Inc		G190-SAFETY/MED SUPPLIES	270.89	-	-
4500026026	8/6/2019	3D Art Expo LLC		P310-ADVERTISING SERVICES	5,400.00	-	-
4500026027	8/7/2019	Cubic Transportation Systems		B190-BUS FARE EQUIP	2,424.38	-	-
4500026028	8/7/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	3,955.80	-	-
4500026029	8/7/2019	Battery Systems Inc		B160-BUS ELECTRICAL	1,706.07	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500026030	8/7/2019	Transit Holdings Inc		B140-BUS CHASSIS	2,198.10	-	-
4500026031	8/7/2019	Southern Counties Oil Co, LP		G170-LUBRICANTS	3,281.96	-	-
4500026032	8/7/2019	San Diego Compressed Air Power LLC		F180-BUILDING MATERIALS	125.23	-	-
4500026033	8/7/2019	SC Commercial, LLC		B180-BUS DIESEL	7,534.20	-	-
4500026034	8/7/2019	Madden Construction Inc		P280-GENERAL SVC AGRMNTS	951.00	-	-
4500026035	8/7/2019	HD Supply Construction Supply, LTD.		G130-SHOP TOOLS	3,277.39	-	-
4500026036	8/7/2019	Home Depot USA Inc		F180-BUILDING MATERIALS	1,770.86	-	-
4500026037	8/7/2019	Ace Uniforms & Accessories	Small Business	G240-UNIFORM PROCUREMENT	689.60	-	-
4500026038	8/7/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	31,442.53	-	-
4500026039	8/7/2019	Robcar Corporation	Woman Owned Business	G110-BUS/TROLLEY SIGNAGE	37.72	-	-
4500026040	8/7/2019	Tennant Sales & Serv Co		P130-EQUIP MAINT REPR SVC	3,450.10	-	-
4500026041	8/7/2019	Gillig LLC		B120-BUS MECHANICAL PARTS	2,524.51	-	-
4500026042	8/7/2019	W.W. Grainger Inc		G140-SHOP SUPPLIES	58.97	-	-
4500026043	8/7/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	1,414.44	-	-
4500026044	8/7/2019	Waxie's Enterprises Inc.		G180-JANITORIAL SUPPLIES	6,319.28	-	-
4500026045	8/7/2019	Sid Tool Co		G180-JANITORIAL SUPPLIES	265.60	-	-
4500026046	8/7/2019	OPW Fueling Components		B200-BUS PWR TRAIN EQUIP	730.55	-	-
4500026047	8/7/2019	Mcmaster-Carr Supply Co		M200-YARD FACILITIES	183.74	-	-
4500026048	8/7/2019	Tribologik Corporation		G140-SHOP SUPPLIES	2,417.91	-	-
4500026049	8/7/2019	Reid and Clark Screen Arts Co		R120-RAIL/LRV CAR BODY	1,183.10	-	-
4500026050	8/7/2019	Vulcanite Pty Ltd		R230-RAIL/LRV MECHANICAL	22,627.50	-	-
4500026051	8/7/2019	Golden State Supply LLC		B200-BUS PWR TRAIN EQUIP	28.28	-	-
4500026052	8/8/2019	Marco's Canopies Inc	Small Business	G140-SHOP SUPPLIES	1,729.39	-	-
4500026053	8/8/2019	Virginia Electronic & Lighting LLC		M140-WAYSIDE SIGNALS	2,101.13	-	-
4500026054	8/8/2019	Reid and Clark Screen Arts Co		R120-RAIL/LRV CAR BODY	2,849.60	-	-
4500026055	8/8/2019	Citywide Auto Glass Inc		R120-RAIL/LRV CAR BODY	2,270.83	-	-
4500026056	8/8/2019	Airgas Inc		G190-SAFETY/MED SUPPLIES	1,664.90	-	-
4500026057	8/8/2019	HI-TEC Enterprises	Small Business	R160-RAIL/LRV ELECTRICAL	2,459.07	-	-
4500026058	8/8/2019	Home Depot USA Inc		G180-JANITORIAL SUPPLIES	358.54	-	-
4500026059	8/8/2019	Gillig LLC		B250-BUS REPAIR PARTS	185.85	-	-
4500026060	8/8/2019	La Mesa Glass, Inc.	Small Business	F110-SHOP/BLDG MACHINERY	657.28	-	-
4500026061	8/8/2019	CDW LLC		I110-INFORMATION TECH	2,737.79	-	-
4500026062	8/8/2019	Uline		F170-MATL HANDLING EQUIP	628.19	-	-
4500026063	8/8/2019	Home Depot USA Inc		G140-SHOP SUPPLIES	739.20	-	-
4500026064	8/8/2019	Baker Capital Limited		R160-RAIL/LRV ELECTRICAL	4,975.73	-	-
4500026065	8/8/2019	Bonsall Petroleum Construction Inc		F110-SHOP/BLDG MACHINERY	1,240.03	-	-
4500026066	8/8/2019	Steven Timme		G230-PRINTED MATERIALS	95.43	-	-
4500026067	8/8/2019	US Mobile Wireless		R150-RAIL/LRV COMM EQUIP	1,350.00	-	-
4500026068	8/8/2019	CASEI		F180-BUILDING MATERIALS	380.36	-	-
4500026069	8/8/2019	Sid Tool Co		G130-SHOP TOOLS	194.07	-	-
4500026070	8/8/2019	Knorr Brake Company		R220-RAIL/LRV TRUCKS	484.11	-	-
4500026071	8/8/2019	Davey Auto Body Inc		A140-AUTO/TRUCK REPAIR	2,479.28	-	-
4500026072	8/8/2019	Prochem Specialty Products Inc	Small Business	G180-JANITORIAL SUPPLIES	2,435.10	-	-
4500026073	8/8/2019	San Diego Compressed Air Power LLC		F180-BUILDING MATERIALS	257.77	-	-
4500026074	8/8/2019	Ask-Inttag LLC		G280-FARE MATERIALS	94,820.00	-	-
4500026075	8/8/2019	Siemens Mobility, Inc.		R240-RAIL/LRV REPR PARTS	1,510.66	-	-
4500026076	8/8/2019	Pacific Railway Enterprises Inc	DBE	P520-A & E/DESIGN	73,801.72	-	-
4500026077	8/8/2019	BriceHouse Station LLC		P280-GENERAL SVC AGRMNTS	12,500.00	-	-
4500026078	8/8/2019	General Information Systems Ltd		G120-SECURITY	726.00	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500026079	8/9/2019	Airgas Inc		G190-SAFETY/MED SUPPLIES	883.28	-	-
4500026080	8/9/2019	Annex Automotive and		F120-BUS/LRV PAINT BOOTHS	2,053.84	-	-
4500026081	8/9/2019	Gillig LLC		B110-BUS HVAC SYSTEMS	3,742.84	-	-
4500026082	8/9/2019	Southern Counties Oil Co, LP		G170-LUBRICANTS	5,947.80	-	-
4500026083	8/9/2019	Transit Holdings Inc		B130-BUS BODY	700.61	-	-
4500026084	8/9/2019	Neopart Transit LLC		B200-BUS PWR TRAIN EQUIP	6,282.55	-	-
4500026085	8/9/2019	W.W. Grainger Inc		F110-SHOP/BLDG MACHINERY	196.39	-	-
4500026086	8/9/2019	Trolley Support LLC		M170-IMPEDANCE BOND	420.23	-	-
4500026087	8/9/2019	Siemens Mobility, Inc.		R230-RAIL/LRV MECHANICAL	11,152.13	-	-
4500026088	8/9/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	1,289.19	-	-
4500026089	8/9/2019	Charter Industrial Supply Inc	Small Business	B250-BUS REPAIR PARTS	92.24	-	-
4500026090	8/9/2019	Professional Contractors Supplies		G130-SHOP TOOLS	280.53	-	-
4500026091	8/9/2019	Golden State Supply LLC		G130-SHOP TOOLS	36.82	-	-
4500026092	8/9/2019	Healy Newspapers		P310-ADVERTISING SERVICES	675.00	-	-
4500026093	8/9/2019	Kaman Industrial Technologies		B140-BUS CHASSIS	1,711.62	-	-
4500026094	8/9/2019	West-Lite Supply Co Inc	Small Business	G290-FARE REVENUE EQUIP	875.06	-	-
4500026095	8/9/2019	Robcar Corporation	Woman Owned Business	G140-SHOP SUPPLIES	1,293.00	-	-
4500026096	8/9/2019	IFM Efector, Inc.		R160-RAIL/LRV ELECTRICAL	1,987.99	-	-
4500026097	8/9/2019	Battery Power Inc.		B160-BUS ELECTRICAL	8,617.52	-	-
4500026098	8/9/2019	San Diego Friction Products, Inc.		B250-BUS REPAIR PARTS	286.84	-	-
4500026099	8/9/2019	B Hepworth & Company Limited		R120-RAIL/LRV CAR BODY	5,218.83	-	-
4500026100	8/9/2019	Inland Kenworth (US) Inc		F170-MATL HANDLING EQUIP	101.09	-	-
4500026101	8/9/2019	NASG Holding Inc		R120-RAIL/LRV CAR BODY	2,596.78	-	-
4500026102	8/9/2019	Solarwinds Inc		I110-INFORMATION TECH	2,922.12	-	-
4500026104	8/9/2019	Home Depot USA Inc		R150-RAIL/LRV COMM EQUIP	693.86	-	-
4500026105	8/9/2019	Mouser Electronics Inc		R160-RAIL/LRV ELECTRICAL	295.06	-	-
4500026106	8/9/2019	US Mobile Wireless		A140-AUTO/TRUCK REPAIR	117.81	-	-
4500026107	8/12/2019	San Diego Friction Products, Inc.		B140-BUS CHASSIS	2,226.27	-	-
4500026108	8/12/2019	Flyers Energy LLC		G170-LUBRICANTS	3,466.86	-	-
4500026109	8/12/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	5,547.62	-	-
4500026110	8/12/2019	Smart Car Care Products Inc		R240-RAIL/LRV REPR PARTS	81.85	-	-
4500026111	8/12/2019	Thompson Building Materials		F180-BUILDING MATERIALS	319.43	-	-
4500026112	8/12/2019	Genuine Parts Co		B250-BUS REPAIR PARTS	1,226.23	-	-
4500026113	8/12/2019	West End Holdings Inc		P280-GENERAL SVC AGRMNTS	75.00	-	-
4500026114	8/12/2019	Delphin Computer Supply	Small Business	G200-OFFICE SUPPLIES	739.17	-	-
4500026115	8/12/2019	TK Services Inc		B110-BUS HVAC SYSTEMS	2,428.48	-	-
4500026116	8/12/2019	Steven Timme		G230-PRINTED MATERIALS	717.20	-	-
4500026117	8/12/2019	Supreme Oil Company		A120-AUTO/TRUCK GASOLINE	9,062.55	-	-
4500026118	8/12/2019	Prochem Specialty Products Inc	Small Business	G180-JANITORIAL SUPPLIES	2,435.10	-	-
4500026119	8/12/2019	Gillig LLC		B250-BUS REPAIR PARTS	567.19	-	-
4500026120	8/12/2019	SC Commercial, LLC		A120-AUTO/TRUCK GASOLINE	1,929.65	-	-
4500026121	8/12/2019	JKL Cleaning Systems		F180-BUILDING MATERIALS	505.65	-	-
4500026122	8/12/2019	Robcar Corporation	Woman Owned Business	G160-PAINTS & CHEMICALS	118.53	-	-
4500026123	8/12/2019	Janek Corporation		B130-BUS BODY	484.88	-	-
4500026124	8/12/2019	Harbor Diesel & Equipment		B200-BUS PWR TRAIN EQUIP	1,175.79	-	-
4500026125	8/12/2019	Sid Tool Co		B250-BUS REPAIR PARTS	610.04	-	-
4500026126	8/12/2019	Chromate Industrial Corporation		G150-FASTENERS	131.37	-	-
4500026127	8/12/2019	Transit Holdings Inc		B140-BUS CHASSIS	6,546.13	-	-
4500026128	8/12/2019	Total Filtration Services Inc		F120-BUS/LRV PAINT BOOTHS	2,673.72	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500026129	8/12/2019	Gillig LLC		B140-BUS CHASSIS	3,313.90	-	-
4500026130	8/12/2019	Neopart Transit LLC		B160-BUS ELECTRICAL	4,538.65	-	-
4500026131	8/12/2019	Home Depot USA Inc		G140-SHOP SUPPLIES	1,074.29	-	-
4500026132	8/12/2019	Telliard Construction	Small Business	C130-CONSTRUCTION SVCS	680.00	-	-
4500026133	8/12/2019	Siemens Mobility, Inc.		R220-RAIL/LRV TRUCKS	37,865.18	-	-
4500026134	8/13/2019	Staples Contract & Commercial Inc		G200-OFFICE SUPPLIES	2,769.18	-	-
4500026135	8/13/2019	W.W. Grainger Inc		F110-SHOP/BLDG MACHINERY	353.32	-	-
4500026136	8/13/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	2,564.99	-	-
4500026137	8/13/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	2,424.75	-	-
4500026138	8/13/2019	Allied Refrigeration Inc		B110-BUS HVAC SYSTEMS	282.37	-	-
4500026139	8/13/2019	Global Equipment Company	Small Business	F110-SHOP/BLDG MACHINERY	148.53	-	-
4500026140	8/13/2019	Waytek Inc		G140-SHOP SUPPLIES	132.82	-	-
4500026142	8/13/2019	Rush Truck Centers of California		B120-BUS MECHANICAL PARTS	969.75	-	-
4500026143	8/13/2019	Staples Contract & Commercial Inc		G210-OFFICE FURNITURE	717.57	-	-
4500026144	8/13/2019	Genuine Parts Co		R180-RAIL/LRV LIGHTING	7,349.83	-	-
4500026145	8/13/2019	Team One Repair Inc		G290-FARE REVENUE EQUIP	413.49	-	-
4500026146	8/13/2019	Airgas Inc		G140-SHOP SUPPLIES	253.65	-	-
4500026147	8/13/2019	Cubic Transportation Systems		G290-FARE REVENUE EQUIP	10,536.32	-	-
4500026148	8/13/2019	Home Depot USA Inc		G160-PAINTS & CHEMICALS	986.97	-	-
4500026149	8/13/2019	Professional Contractors Supplies		G140-SHOP SUPPLIES	327.51	-	-
4500026150	8/13/2019	Smart Car Care Products Inc		R240-RAIL/LRV REPR PARTS	445.20	-	-
4500026151	8/13/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	151.60	-	-
4500026152	8/13/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	2,708.60	-	-
4500026153	8/13/2019	Harbor Diesel & Equipment		B250-BUS REPAIR PARTS	121.13	-	-
4500026154	8/13/2019	Siemens Mobility, Inc.		R200-RAIL/LRV SEATING	2,036.48	-	-
4500026155	8/13/2019	Steven Timme		G230-PRINTED MATERIALS	2,930.80	-	-
4500026156	8/13/2019	Ridout Plastics Co Inc		T110-TRACK, RAIL	591.49	-	-
4500026157	8/13/2019	Royal Truck Body		P210-NON-REV VEH REPAIRS	1,256.37	-	-
4500026158	8/13/2019	Material Sales Inc	Small Business	P210-NON-REV VEH REPAIRS	389.71	-	-
4500026159	8/13/2019	Veterans Green Projects, LLC	Small Business	C120-SPECIALTY CONTRACTOR	350.00	-	-
4500026160	8/13/2019	Aztec Shops, Ltd.		P310-ADVERTISING SERVICES	525.00	-	-
4500026162	8/14/2019	Reid and Clark Screen Arts Co		G110-BUS/TROLLEY SIGNAGE	27.59	-	-
4500026163	8/14/2019	Transit Holdings Inc		B160-BUS ELECTRICAL	591.43	-	-
4500026164	8/14/2019	Transit Holdings Inc		B160-BUS ELECTRICAL	26.81	-	-
4500026165	8/14/2019	Mohawk Mfg & Supply Co		B200-BUS PWR TRAIN EQUIP	981.42	-	-
4500026166	8/14/2019	Muncie Transit Supply		B130-BUS BODY	716.61	-	-
4500026167	8/14/2019	Phil Macomber		G130-SHOP TOOLS	73.00	-	-
4500026168	8/14/2019	Gillig LLC		B120-BUS MECHANICAL PARTS	810.58	-	-
4500026169	8/14/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	926.51	-	-
4500026170	8/14/2019	Jeyco Products Inc		G130-SHOP TOOLS	442.48	-	-
4500026171	8/14/2019	TK Services Inc		B110-BUS HVAC SYSTEMS	510.40	-	-
4500026172	8/14/2019	Supreme Oil Company		B180-BUS DIESEL	7,473.96	-	-
4500026173	8/14/2019	Cubic Transportation Systems		B190-BUS FARE EQUIP	4,848.75	-	-
4500026174	8/14/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	554.63	-	-
4500026175	8/14/2019	Grah Safe & Lock Inc	Small Business	F110-SHOP/BLDG MACHINERY	67.89	-	-
4500026176	8/14/2019	Dartco Transmission		B250-BUS REPAIR PARTS	1,251.42	-	-
4500026177	8/14/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	2,713.05	-	-
4500026178	8/14/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	1,171.14	-	-
4500026179	8/14/2019	On Center Software Inc		I140-IT CAPITAL SOFTWARE	500.00	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500026180	8/14/2019	Dictation Sales and Service, Inc.	Small Business	I110-INFORMATION TECH	7,045.00	-	-
4500026181	8/14/2019	Brown & Bigelow Inc		G230-PRINTED MATERIALS	851.11	-	-
4500026182	8/14/2019	Kenneth Place		G130-SHOP TOOLS	251.73	-	-
4500026183	8/14/2019	Sid Tool Co		G130-SHOP TOOLS	67.70	-	-
4500026184	8/14/2019	Knorr Brake Company		R220-RAIL/LRV TRUCKS	58.38	-	-
4500026185	8/14/2019	Siemens Mobility, Inc.		R240-RAIL/LRV REPR PARTS	1,939.51	-	-
4500026186	8/14/2019	Kustom Seating Unlimited Inc		R200-RAIL/LRV SEATING	1,935.92	-	-
4500026187	8/14/2019	California Air Compressor Company		F110-SHOP/BLDG MACHINERY	1,158.13	-	-
4500026188	8/14/2019	Home Depot USA Inc		P120-BLDG/FACILITY REPRS	418.85	-	-
4500026189	8/15/2019	Airgas Inc		G190-SAFETY/MED SUPPLIES	608.22	-	-
4500026190	8/15/2019	Annex Automotive and		F120-BUS/LRV PAINT BOOTHS	900.55	-	-
4500026191	8/15/2019	NS Corporation		F110-SHOP/BLDG MACHINERY	66.01	-	-
4500026192	8/15/2019	Mohawk Mfg & Supply Co		B120-BUS MECHANICAL PARTS	1,707.02	-	-
4500026193	8/15/2019	Cubic Transportation Systems		B190-BUS FARE EQUIP	188.33	-	-
4500026194	8/15/2019	Inland Kenworth (US) Inc		B140-BUS CHASSIS	364.20	-	-
4500026195	8/15/2019	Steven Timme		G110-BUS/TROLLEY SIGNAGE	310.93	-	-
4500026196	8/15/2019	Kurt Morgan		G200-OFFICE SUPPLIES	1,410.29	-	-
4500026197	8/15/2019	Penn Machine Company LLC		F110-SHOP/BLDG MACHINERY	2,003.12	-	-
4500026198	8/15/2019	Trolley Support LLC		M170-IMPEDANCE BOND	420.23	-	-
4500026199	8/15/2019	Super Welding of Southern CA	Small Business	G130-SHOP TOOLS	2,758.40	-	-
4500026200	8/15/2019	Chromate Industrial Corporation		G150-FASTENERS	498.32	-	-
4500026201	8/15/2019	Transit Holdings Inc		B130-BUS BODY	3,979.94	-	-
4500026202	8/15/2019	Gillig LLC		B120-BUS MECHANICAL PARTS	1,285.07	-	-
4500026203	8/15/2019	Mohawk Mfg & Supply Co		B140-BUS CHASSIS	2,293.47	-	-
4500026204	8/15/2019	BulbCycle, Inc.		F110-SHOP/BLDG MACHINERY	1,099.95	-	-
4500026205	8/15/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	957.12	-	-
4500026206	8/15/2019	Mouser Electronics Inc		B250-BUS REPAIR PARTS	64.65	-	-
4500026207	8/15/2019	SC Commercial, LLC		A120-AUTO/TRUCK GASOLINE	1,997.46	-	-
4500026208	8/15/2019	Western-Cullen-Hayes Inc		M130-CROSSING MECHANISM	7,984.28	-	-
4500026209	8/15/2019	JKL Cleaning Systems		P130-EQUIP MAINT REPR SVC	168.64	-	-
4500026210	8/15/2019	Home Depot USA Inc		F190-LANDSCAPING MAT'LS	1,798.09	-	-
4500026211	8/15/2019	Marco's Canopies Inc	Small Business	P280-GENERAL SVC AGRMNTS	2,116.22	-	-
4500026212	8/15/2019	Kenneth Place		F190-LANDSCAPING MAT'LS	2,402.45	-	-
4500026213	8/15/2019	Annex Automotive and		F120-BUS/LRV PAINT BOOTHS	5,195.11	-	-
4500026214	8/16/2019	ASPEN Refrigerants Inc		R170-RAIL/LRV HVAC	364.20	-	-
4500026215	8/16/2019	Harbor Diesel & Equipment		B250-BUS REPAIR PARTS	9,955.00	-	-
4500026216	8/16/2019	Madden Construction Inc		P280-GENERAL SVC AGRMNTS	1,316.75	-	-
4500026217	8/16/2019	W.W. Grainger Inc		G140-SHOP SUPPLIES	431.63	-	-
4500026219	8/16/2019	Jeyco Products Inc		G130-SHOP TOOLS	254.67	-	-
4500026220	8/16/2019	Vern Rose Inc		G160-PAINTS & CHEMICALS	752.89	-	-
4500026221	8/16/2019	Asbury Environmental Services		B200-BUS PWR TRAIN EQUIP	3,070.88	-	-
4500026222	8/16/2019	Allied Refrigeration Inc		R170-RAIL/LRV HVAC	673.44	-	-
4500026223	8/16/2019	Muncie Transit Supply		B130-BUS BODY	397.55	-	-
4500026224	8/16/2019	Kaman Industrial Technologies		R140-RAIL/LRV DOORS/RAMP	523.92	-	-
4500026225	8/16/2019	SiteOne Landscape Supply Holding		F190-LANDSCAPING MAT'LS	70.16	-	-
4500026226	8/19/2019	National Safety Council		G250-NOVELTIES & AWARDS	1,498.90	-	-
4500026227	8/19/2019	AFL Telecommunications, Inc.		M120-OVRHEAD CATENARY SYS	1,660.36	-	-
4500026228	8/19/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	220.00	-	-
4500026229	8/19/2019	Transit Products and Services		B130-BUS BODY	16,197.00	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500026230	8/19/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	220.00	-	-
4500026231	8/19/2019	W.W. Grainger Inc		F110-SHOP/BLDG MACHINERY	199.57	-	-
4500026232	8/19/2019	R.S. Hughes Co Inc		B130-BUS BODY	1,943.38	-	-
4500026233	8/19/2019	Transit Holdings Inc		B130-BUS BODY	677.33	-	-
4500026234	8/19/2019	Cubic Transportation Systems		G290-FARE REVENUE EQUIP	33,235.45	-	-
4500026235	8/19/2019	Home Depot USA Inc		F110-SHOP/BLDG MACHINERY	99.65	-	-
4500026236	8/19/2019	SiteOne Landscape Supply Holding		F190-LANDSCAPING MAT'LS	237.79	-	-
4500026237	8/19/2019	JKL Cleaning Systems		P130-EQUIP MAINT REPR SVC	71.77	-	-
4500026238	8/21/2019	Sid Tool Co		G130-SHOP TOOLS	1,972.91	-	-
4500026239	8/19/2019	Shilpark Paint Corp.		G160-PAINTS & CHEMICALS	131.72	-	-
4500026240	8/19/2019	Supreme Oil Company		B180-BUS DIESEL	7,642.21	-	-
4500026241	8/19/2019	Jeyco Products Inc		G150-FASTENERS	264.30	-	-
4500026242	8/19/2019	ISC Applied Systems Corp		R160-RAIL/LRV ELECTRICAL	4,094.50	-	-
4500026243	8/19/2019	Bricehouse Starboard LLC		P310-ADVERTISING SERVICES	1,350.00	-	-
4500026244	8/20/2019	Home Depot USA Inc		G130-SHOP TOOLS	2,087.96	-	-
4500026245	8/20/2019	Don Oleson Inc	Small Business	G140-SHOP SUPPLIES	145.47	-	-
4500026246	8/20/2019	OneSource Distributors, LLC		G130-SHOP TOOLS	2,200.74	-	-
4500026247	8/20/2019	Anixter Inc		R150-RAIL/LRV COMM EQUIP	251.71	-	-
4500026248	8/20/2019	Supreme Oil Company		A120-AUTO/TRUCK GASOLINE	9,309.15	-	-
4500026249	8/20/2019	SC Commercial, LLC		A120-AUTO/TRUCK GASOLINE	2,052.95	-	-
4500026250	8/20/2019	Transit Holdings Inc		B140-BUS CHASSIS	6,917.18	-	-
4500026251	8/20/2019	Gillig LLC		B130-BUS BODY	964.11	-	-
4500026253	8/20/2019	Neopart Transit LLC		B200-BUS PWR TRAIN EQUIP	1,298.61	-	-
4500026254	8/20/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	1,601.88	-	-
4500026255	8/20/2019	Supreme Oil Company		A120-AUTO/TRUCK GASOLINE	23,152.66	-	-
4500026256	8/20/2019	Cummins Pacific LLC		B140-BUS CHASSIS	11,546.91	-	-
4500026257	8/20/2019	Southern Counties Oil Co, LP		A120-AUTO/TRUCK GASOLINE	24,493.55	-	-
4500026258	8/20/2019	Dictation Sales and Service, Inc.	Small Business	I110-INFORMATION TECH	22,568.65	-	-
4500026259	8/20/2019	CDW LLC		I110-INFORMATION TECH	1,578.79	-	-
4500026260	8/21/2019	General Signals Inc		M130-CROSSING MECHANISM	2,973.90	-	-
4500026261	8/21/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	134.86	-	-
4500026262	8/21/2019	Waxie's Enterprises Inc.		G180-JANITORIAL SUPPLIES	53.34	-	-
4500026263	8/21/2019	Harbor Diesel & Equipment		B200-BUS PWR TRAIN EQUIP	14,531.31	-	-
4500026265	8/21/2019	Freeby Signs		B250-BUS REPAIR PARTS	156.78	-	-
4500026266	8/21/2019	Waxie's Enterprises Inc.		G180-JANITORIAL SUPPLIES	1,031.75	-	-
4500026268	8/21/2019	US Mobile Wireless		G120-SECURITY	27,515.50	-	-
4500026270	8/21/2019	Magnetic Ticket & Label Corp		G280-FARE MATERIALS	6,456.38	-	-
4500026271	8/21/2019	San Diego Plastics Inc	Small Business	G290-FARE REVENUE EQUIP	215.50	-	-
4500026272	8/21/2019	Charter Industrial Supply Inc	Small Business	R220-RAIL/LRV TRUCKS	589.93	-	-
4500026273	8/21/2019	James M. McFarland	Small Business	G110-BUS/TROLLEY SIGNAGE	2,586.00	-	-
4500026274	8/21/2019	Smart Car Care Products Inc		R240-RAIL/LRV REPR PARTS	107.70	-	-
4500026275	8/21/2019	NASG Holding Inc		R120-RAIL/LRV CAR BODY	2,596.78	-	-
4500026276	8/21/2019	Siemens Mobility, Inc.		R190-RAIL/LRV PANTOGRAPH	4,957.37	-	-
4500026277	8/21/2019	Magnetic Ticket & Label Corp		G280-FARE MATERIALS	13,576.50	-	-
4500026279	8/21/2019	Hanning & Kahl LP		M150-PWR SWITCHES/LOCKS	1,814.30	-	-
4500026280	8/21/2019	A-B-CPR & First Aid Training Inc	Small Business	G120-SECURITY	931.00	-	-
4500026281	8/21/2019	Steven Timme		G230-PRINTED MATERIALS	141.22	-	-
4500026282	8/21/2019	R.B. Hornberger Co Inc		G130-SHOP TOOLS	2,150.28	-	-
4500026283	8/21/2019	Material Sales Inc	Small Business	P210-NON-REV VEH REPAIRS	776.38	-	-



Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500026284	8/21/2019	Sid Tool Co		G130-SHOP TOOLS	3,126.22	-	-
4500026285	8/21/2019	Eran Hason		P120-BLDG/FACILITY REPRS	377.48	-	-
4500026286	8/21/2019	Culligan of San Diego		G140-SHOP SUPPLIES	1,666.00	-	-
4500026287	8/21/2019	Shilpark Paint Corp.		G160-PAINTS & CHEMICALS	1,185.25	-	-
4500026288	8/22/2019	Citywide Auto Glass Inc		R120-RAIL/LRV CAR BODY	4,326.17	-	-
4500026289	8/21/2019	Cubic Transportation Systems		G290-FARE REVENUE EQUIP	7,863.91	-	-
4500026290	8/22/2019	La Mesa Glass, Inc.	Small Business	F110-SHOP/BLDG MACHINERY	43.12	-	-
4500026291	8/22/2019	Cummins Pacific LLC		P190-REV VEHICLE REPAIRS	327.75	-	-
4500026292	8/22/2019	US Mobile Wireless		P210-NON-REV VEH REPAIRS	1,489.79	-	-
4500026293	8/22/2019	Gillig LLC		B140-BUS CHASSIS	645.90	-	-
4500026294	8/22/2019	Kenneth Place		P130-EQUIP MAINT REPR SVC	98.88	-	-
4500026295	8/22/2019	Material Sales Inc	Small Business	R120-RAIL/LRV CAR BODY	116.37	-	-
4500026296	8/22/2019	Mohawk Mfg & Supply Co		B140-BUS CHASSIS	92.32	-	-
4500026297	8/22/2019	Jamaica Bearings Co Inc		R170-RAIL/LRV HVAC	129.30	-	-
4500026298	8/22/2019	HD Supply Construction Supply, LTD.		G130-SHOP TOOLS	2,299.25	-	-
4500026299	8/22/2019	Knorr Brake Co-IFE North America		R120-RAIL/LRV CAR BODY	35,643.70	-	-
4500026300	8/22/2019	Supreme Oil Company		B180-BUS DIESEL	7,693.35	-	-
4500026301	8/22/2019	SHI International Corp	Woman Owned Business	I140-IT CAPITAL SOFTWARE	8,005.27	-	-
4500026302	8/22/2019	Brown & Bigelow Inc		P480-EE MAINTENANCE	1,578.77	-	-
4500026303	8/22/2019	Elkhart Brass Manufacturing Co.		B160-BUS ELECTRICAL	3,178.63	-	-
4500026304	8/22/2019	Transit Finance Learning Exchange		P400-FINANCIAL & AUDIT	1,050.00	-	-
4500026305	8/23/2019	Reid and Clark Screen Arts Co		R120-RAIL/LRV CAR BODY	2,565.14	-	-
4500026306	8/23/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	252.67	-	-
4500026307	8/23/2019	M Power Truck & Diesel Repair		P210-NON-REV VEH REPAIRS	595.60	-	-
4500026308	8/23/2019	San Diego Friction Products, Inc.		B140-BUS CHASSIS	1,181.94	-	-
4500026309	8/23/2019	Simmons Boardman Books Inc		P540-MAINTENANCE TRAINING	147.68	-	-
4500026310	8/23/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	267.42	-	-
4500026311	8/23/2019	W.W. Grainger Inc		B190-BUS FARE EQUIP	105.60	-	-
4500026312	8/23/2019	Siemens Mobility, Inc.		R160-RAIL/LRV ELECTRICAL	269.91	-	-
4500026313	8/23/2019	Hitachi Rail STS USA, Inc.		M130-CROSSING MECHANISM	503.41	-	-
4500026314	8/23/2019	Office Solutions		G200-OFFICE SUPPLIES	86.97	-	-
4500026315	8/23/2019	SC Commercial, LLC		A120-AUTO/TRUCK GASOLINE	1,997.46	-	-
4500026316	8/23/2019	Daniels Tire Service		A110-AUTO/TRUCK TIRES	3,393.49	-	-
4500026317	8/23/2019	Cummins Pacific LLC		B250-BUS REPAIR PARTS	560.00	-	-
4500026318	8/23/2019	El Tigre Enterprise Inc		P440-CATERING SERVICES	1,600.00	-	-
4500026319	8/23/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	237.76	-	-
4500026320	8/23/2019	CDW LLC		G200-OFFICE SUPPLIES	1,130.39	-	-
4500026321	8/23/2019	Cubic Transportation Systems		G290-FARE REVENUE EQUIP	9,084.08	-	-
4500026322	8/23/2019	Team One Repair Inc		G290-FARE REVENUE EQUIP	1,702.45	-	-
4500026323	8/23/2019	SC Commercial, LLC		G170-LUBRICANTS	11,349.96	-	-
4500026324	8/23/2019	Annex Automotive and		F120-BUS/LRV PAINT BOOTHS	11,532.78	-	-
4500026325	8/26/2019	Gillig LLC		B250-BUS REPAIR PARTS	801.88	-	-
4500026326	8/26/2019	Mak Cleaners Inc		P330-UNIFORM RENT/CLEAN	272.60	-	-
4500026327	8/23/2019	HI-TEC Enterprises	Small Business	R160-RAIL/LRV ELECTRICAL	6,431.62	-	-
4500026328	8/26/2019	San Diego Plastics Inc	Small Business	F180-BUILDING MATERIALS	315.16	-	-
4500026329	8/23/2019	Knorr Brake Company		R220-RAIL/LRV TRUCKS	23,937.74	-	-
4500026330	8/26/2019	Robcar Corporation	Woman Owned Business	G160-PAINTS & CHEMICALS	355.58	-	-
4500026331	8/23/2019	Standard Bent Glass Corp	Small Business	R120-RAIL/LRV CAR BODY	22,924.57	-	-
4500026332	8/26/2019	W.W. Grainger Inc		F110-SHOP/BLDG MACHINERY	354.75	-	-

Purchase Orders							
PO Number	PO Date	Name	Prime Business Certification	Material Group	PO Value	DBE Subcontracted Amount	Non DBE Subcontracted Amount
4500026333	8/26/2019	Cummins Pacific LLC		P190-REV VEHICLE REPAIRS	327.75	-	-
4500026334	8/26/2019	Harbor Diesel & Equipment		G170-LUBRICANTS	2,477.18	-	-
4500026335	8/26/2019	Controlled Motion Solutions Inc		B250-BUS REPAIR PARTS	247.60	-	-
4500026336	8/26/2019	Harbor Diesel & Equipment		B250-BUS REPAIR PARTS	471.09	-	-
4500026337	8/26/2019	Southern Counties Oil Co, LP		A120-AUTO/TRUCK GASOLINE	21,776.64	-	-
4500026338	8/26/2019	SC Commercial, LLC		A120-AUTO/TRUCK GASOLINE	14,802.20	-	-
4500026339	8/26/2019	Transit Holdings Inc		B200-BUS PWR TRAIN EQUIP	2,438.12	-	-
4500026340	8/26/2019	Siemens Mobility, Inc.		R160-RAIL/LRV ELECTRICAL	700.38	-	-
4500026341	8/26/2019	Gabriela G Hussong		P410-CONSULTING	1,875.00	-	-
4500026342	8/26/2019	San Diego Earth Day		P310-ADVERTISING SERVICES	2,500.00	-	-
4500026343	8/26/2019	Steven Timme		G110-BUS/TROLLEY SIGNAGE	145.47	-	-
4500026344	8/26/2019	Steven Timme		G110-BUS/TROLLEY SIGNAGE	267.91	-	-
4500026345	8/27/2019	Kenneth Place		F190-LANDSCAPING MAT'LS	106.64	-	-
4500026346	8/27/2019	Professional Contractors Supplies		G180-JANITORIAL SUPPLIES	375.76	-	-
4500026347	8/27/2019	Gillig LLC		B140-BUS CHASSIS	84.52	-	-
4500026348	8/27/2019	Transit Holdings Inc		B140-BUS CHASSIS	8,965.39	-	-
4500026349	8/27/2019	Transit Holdings Inc		B130-BUS BODY	570.80	-	-
4500026350	8/27/2019	Transit Holdings Inc		B140-BUS CHASSIS	16,878.55	-	-
4500026351	8/27/2019	Transit Holdings Inc		B200-BUS PWR TRAIN EQUIP	3,565.52	-	-
4500026352	8/27/2019	Transit Holdings Inc		B250-BUS REPAIR PARTS	704.15	-	-
4500026353	8/27/2019	Battery Systems Inc		B160-BUS ELECTRICAL	3,033.00	-	-
4500026354	8/27/2019	Cummins Pacific LLC		B200-BUS PWR TRAIN EQUIP	1,012.40	-	-
4500026355	8/27/2019	Utah Transit Authority		R240-RAIL/LRV REPR PARTS	18,360.00	-	-
4500026356	8/27/2019	W.W. Grainger Inc		G130-SHOP TOOLS	2,885.11	-	-
4500026357	8/27/2019	Knorr Brake Company		R220-RAIL/LRV TRUCKS	8,107.28	-	-
4500026358	8/27/2019	Praxair Distribution Inc.		G140-SHOP SUPPLIES	1,549.52	-	-
4500026359	8/27/2019	Supreme Oil Company		A120-AUTO/TRUCK GASOLINE	23,689.01	-	-
4500026360	8/27/2019	Cummins Pacific LLC		B120-BUS MECHANICAL PARTS	2,623.47	-	-
4500026361	8/27/2019	Industrial Maintenance Supply LLC	DBE	G150-FASTENERS	297.92	-	-
4500026362	8/27/2019	Home Depot USA Inc		G130-SHOP TOOLS	1,248.75	-	-
4500026363	8/27/2019	Airgas Inc		G190-SAFETY/MED SUPPLIES	3,465.87	-	-