

**THIRD AMENDMENT TO
INTERGOVERNMENTAL AGREEMENT BETWEEN THE
TRANSBAY JOINT POWERS AUTHORITY AND THE
SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY**

This Amendment is made this day of December 8, 2017, in the City and County of San Francisco, State of California, by and between the Transbay Joint Powers Authority (the "TJPA") and the City and County of San Francisco, a municipal corporation (the "City") acting by and through its San Francisco Municipal Transportation Agency ("SFMTA").

RECITALS

WHEREAS, SFMTA and the TJPA have entered into an intergovernmental agreement dated July 21, 2009, for traffic engineering, overhead contact system ("OCS") design, and construction management services related to the Temporary Transbay Terminal, demolition of the then existing Transbay Terminal, utility relocation, Bus Storage Facility, and Transbay Transit Center for the Transbay Transit Center Program ("Agreement"); and

WHEREAS, SFMTA and the TJPA entered into a First Amendment to the Agreement on August 9, 2010, adding SFMTA parking control officer services for the operation of the Temporary Terminal during key commute hours to the scope of work, increasing the contract amount and extending the term of the Agreement; and

WHEREAS, SFMTA and the TJPA entered into a Second Amendment to the Agreement on February 14, 2013, to provide additional services associated with the Bus Storage Facility and the Transit Center, as well as the Beale Street temporary traffic bridge, Muni traction power duct bank, and Bus Ramp, increasing the contract amount and extending the term of the Agreement; and

WHEREAS, Cubic Transportation Systems has provided a quote for the provision and installation of four ticket vending machines within the Transit Center, TJPA has agreed to accept and fund Cubic Transportation Systems' proposal through the SFMTA for a not-to-exceed amount of \$40,000; and

WHEREAS, SFMTA and TJPA have agreed to reallocate funding within the task budgets of Exhibits A1, A2, A3, A4, A6, A7, A8, A9, and A10 while remaining within the total not-to-exceed-budget of \$5,393,677; and

WHEREAS, SFMTA and TJPA have agreed to clarify language related to the Exhibit A3, SFMTA Muni OCS and Traction Power Project Management, Planning and Coordination, Engineering, Construction Management Support and Inspection Services; and

WHEREAS, the Second Amendment to the Agreement assumed transit operations would begin at the Transit Center by December 31, 2017, Amendment Three extends the term of the Agreement to accommodate an anticipated start of transit operations at the Transit Center in early 2018; and

WHEREAS, SFMTA and the TJPA wish to further amend the Agreement on the terms and conditions set forth herein;

NOW, THEREFORE, the TJPA and the SFMTA agree as follows:

1. Definitions. The following definitions shall apply to this Amendment:

- a. **Agreement.** The term “Agreement” shall mean the Intergovernmental Agreement between the Transbay Joint Powers Authority and the San Francisco Municipal Transportation Agency, dated July 21, 2009, including the First Amendment to the Agreement dated August 9, 2010, and the Second Amendment dated February 14, 2013.
- b. **Other Terms.** Terms used and not defined in this Amendment shall have the meanings assigned to such terms in the Agreement.

2. Modifications to the Agreement. The Agreement is hereby modified as follows:

a. Section I, “Scope of Services.”

Section I paragraph D shall be amended as follows:

D. For construction of the Transit Center, the SFMTA shall provide to the TJPA project management, traffic planning, traffic engineering, and shop services, and on-going planning, coordination, and engineering. *The SFMTA shall also provide and install four (4) ticket vending machines within the Transit Center.*

b. Exhibits A1 (Temporary Terminal), A2 (Existing Terminal Demolition), A3 (Utility Relocation), A4 (Transit Center), A6 (Miscellaneous Service), A7 (Temporary Terminal Operations), A8 (Temporary Bridge), A9 (Bus Ramp), and A10 (Construction Coordination Support)

Exhibits A1, A2, A3, A4, A6, A7, A8, A9, and A10 are attached to this Amendment and incorporated by reference as though fully set forth herein.

c. Section III. Term; Termination

Subsection A shall be replaced in its entirety to read as follows:

- A. Term.** This Agreement will commence on the Effective Date and terminate on June 30, 2018, unless extended by the parties or terminated earlier by the parties.

3. Legal Effect. Except as expressly modified by this Third Amendment, all of the terms and conditions of the Agreement shall remain unchanged and in full force and effect.


IN WITNESS WHEREOF, the parties execute this Agreement in San Francisco as of the date first mentioned above.

TRANSBAY JOINT POWERS AUTHORITY

**CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY**



Mark Zabaneh
Executive Director



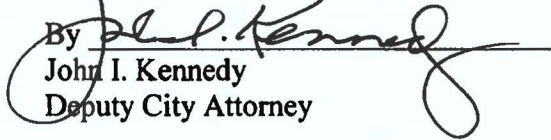
Edward D. Reiskin
Director of Transportation

APPROVED AS TO FORM:

APPROVED AS TO FORM:

By 

Deborah L. Miller
TJPA Legal Counsel

Dennis J. Herrera, City Attorney
By 

John I. Kennedy
Deputy City Attorney

TJPA Board of Directors

SFMTA Board of Directors

Resolution No. 17-029

Resolution No. 171017-129

Date: July 13, 2017


Dated: October 17, 2017

Attest:

Attest:



Nila Gonzales, Secretary
TJPA Board of Directors




Roberta Boomer, Secretary
SFMTA Board of Directors

Board of Supervisors

Resolution No. 429-17

Adopted: 12/08/17

Attest: 

Clerk of the Board

AMENDED EXHIBIT A1
TEMPORARY TERMINAL

**PROJECT MANAGEMENT, ENGINEERING SUPPORT, CONSTRUCTION
MANAGEMENT, AND SIGNAGE, STRIPING & METER SERVICES BY SFMTA**

A. Scope of SFMTA (MUNI) Construction Management, Inspection, and Engineering Services:

- I. TJPA is constructing a Temporary Transbay Terminal at Howard Street between Beale and Main streets. The SFMTA shall provide construction administration, inspection and engineering support services for the installation of the overhead contact system (OCS) to support the Temporary Transbay Terminal. SFMTA construction staff will work with the TJPA Construction Management-Resident Engineer.

- II. The scope of SFMTA's services is limited to the following:
 - Coordinating and interfacing with project team members including TJPA, TJPA Contractor through TJPA Construction Management, and SFMTA (including SFMTA Resident Engineer, Inspectors, MUNI Maintenance and Operations).
 - Assisting TJPA Construction Management-Resident Engineer in coordinating with MUNI Street Operations to request vehicles to test the OCS.
 - Assisting TJPA Construction Management-Resident Engineer in submitting Contractor's clearance requests to SFMTA's Operation Central Control (OCC) and attending clearance meetings.
 - Calling in and closing out daily OCC clearances.
 - Providing inspection services (days, nights, and weekends) for the OCS work.
 - Issuing daily inspector reports for the OCS work.
 - Providing fulltime monitoring whenever OCS Contractor performs work impacting SFMTA operations. When authorized, issue directives or other required actions (such as stop work orders) to ensure that Contractor's work does not negatively impact SFMTA's operations or safety.
 - Attending progress, coordination, and traffic management meetings for the OCS work.
 - Assisting TJPA Construction Management-Resident Engineer in reviewing OCS submittals and RFIs by providing comments and recommendations.
 - Assisting TJPA Construction Management-Resident Engineer in reviewing OCS work progress and Contractor's submitted work plan.
 - Assisting TJPA Construction Management-Resident Engineer in processing progress payments by issuing recommendations for OCS quantity measurement and completion.
 - Assisting TJPA Construction Management-Resident Engineer in the management of change orders related to OCS work that affects SFMTA's operations.
 - Assisting TJPA Construction Management-Resident Engineer in reviewing Contract Change Order Requests and changes related to the OCS.
 - Providing SFMTA passengers with advance and timely information regarding changes to bus stops from the Existing Terminal to the Temporary Terminal

- Providing for SFMTA street supervision during planned overhead shutdowns/reroutes and initial test of trains/trolleys as part of OCS construction.

Not to Exceed Budget: \$100,000

B. Scope of SFMTA (DPT) Construction Administration, Engineering and Inspection Services:

- I. SFMTA shall provide engineering and inspection services for the construction of new traffic signals and parking meters, and for the reconfiguration of roadways to support the Temporary Terminal.
- II. The scope of SFMTA's services is limited to the following:
 - Attend regular meetings, coordinate with various agencies and departments to minimize vehicular, pedestrian and transit impacts due to construction.
 - Review the traffic routing to accommodate the demolition of the public right-of-way.
 - Review the traffic routing needs to accommodate the relocation of utilities adjacent to the Temporary Terminal.
 - Review and comment on the traffic routing plans as needed.
 - Provide inspection services and recommend operational adjustments to accommodate the reconfiguration of the roadways and traffic controls.
 - Provide electrical inspection for traffic signal construction work.

Not to Exceed Budget: \$200,000

C. Scope of SFMTA (DPT) Signage, Striping and Parking Meter Relocation Services:

- I. SFMTA shall relocate and install new traffic control signs, remove and relocate all parking meters and furnish and install all final street striping in accordance with the approved Temporary Terminal plans.
- II. The scope of SFMTA's services is limited to the following:
 - Provide all labor and materials necessary to remove existing City owned traffic control signs and guide signs and install new signage in the public right-of-way.
 - Provide all labor and materials necessary to remove existing parking meters and install new City-owned parking meters in the public right-of-way.
 - Provide all labor and materials necessary to grind existing striping and install final striping for the project.

Not to Exceed Budget: \$350,000

AMENDED EXHIBIT A2

EXISTING TERMINAL DEMOLITION

OCS PROJECT MANAGEMENT, ENGINEERING SUPPORT & CONSTRUCTION MANAGEMENT SERVICES BY SFMTA

A. Scope of SFMTA (MUNI) Construction Management, Inspection, and Engineering Services:

- I. The TJPA will demolish the existing Transbay Terminal on Mission Street between Fremont and First streets. The SFMTA shall provide engineering and construction management services for the demolition of the existing Transbay Terminal. SFMTA construction staff will work with TJPA Construction Management-Resident Engineer.

- II. The scope of SFMTA's services is limited to the following:
 - Assisting TJPA Construction Management-Resident Engineer in coordinating with MUNI Street Operations to request vehicles to test the OCS project.
 - Assisting TJPA Construction Management-Resident Engineer in submitting Contractor's clearance requests to SFMTA's Operation Central Control (OCC) and attending clearance meetings.
 - Calling in and closing out daily OCC clearances.
 - Providing inspection services (days, nights, and weekends) for the OCS work.
 - Issuing daily inspector reports for the OCS work.
 - Providing fulltime monitoring whenever OCS Contractor performs work impacting SFMTA operations. When authorized, issue directives or other required actions (such as stop work orders) to ensure Contractor's work does not negatively impact SFMTA's operations and safety.
 - Attending progress, coordination, and traffic management meetings for the OCS project.
 - Assisting TJPA Construction Management-Resident Engineer in reviewing OCS submittals and RFIs by providing comments and recommendations.
 - Assisting TJPA Construction Management-Resident Engineer in reviewing OCS work progress and Contractor's submitted work plan.
 - Assisting TJPA Construction Management-Resident Engineer in processing progress payments by issuing recommendations for OCS quantity measurement and completion.
 - Assisting TJPA Construction Management-Resident Engineer in the management of change orders related to OCS work that affects SFMTA's operations.
 - Assisting TJPA Construction Management-Resident Engineer in reviewing Contract Change Order Request and changes related to the OCS.
 - Providing SFMTA street supervision for vehicle re-routing during planned shutdowns of the OCS system.
 - Providing SFMTA passengers with timely information regarding changes to bus line routes and stops during the transition to the temporary terminal.

Not to Exceed Budget: ***\$180,389***

B. Scope of SFMTA (DPT) Traffic Engineering Services:

- I. SFMTA shall provide engineering and construction management services to support the demolition of the existing Transbay Terminal.
- II. The scope of SFMTA's services is limited to the following:
 - Participate in the collaborative planning and design efforts by TJPA and its consultants for the routing of vehicle, pedestrian and transit traffic during the demolition of the existing Transbay Terminal.
 - Review final specifications and estimates for traffic routing for demolition.
 - Attend regular meetings and review and comment on traffic routing to accommodate the demolition of the existing Transbay Terminal.

Not to Exceed Budget: \$53,611

**AMENDED EXHIBIT A3
UTILITY RELOCATION
TRAFFIC PLANNING AND ENGINEERING SERVICES BY SFMTA**

A. Scope of SFMTA Project Management and Engineering Services:

- I. The TJPA is relocating utility lines on Mission, Fremont, Beale and First streets as part of the Transit Center Relocation of Utilities Project. The SFMTA shall provide traction power analysis and engineering services to support the Transit Center Relocation of Utilities Project.
- II. The scope of SFMTA's services is limited to the following:
 - Review the impact of TJPA's relocation of SFMTA facilities and make recommendations to the TJPA design team based on traction power analysis.
 - Perform traction power analyses to determine the need for new traction power infrastructure (conduits, duct bank, cable, manholes) and make recommendations to TJPA design team.

Not to Exceed Budget: \$55,000

B. Scope of SFMTA Traffic Planning and Project Management Services:

- I. SFMTA shall provide traffic planning, traffic engineering and project management services to support the Transit Center Utility Relocation.
- II. The scope of work is limited to the following:
 - Participate in the collaborative planning and design efforts by TJPA and its consultants for the routing of vehicle, pedestrian and transit traffic during the relocation of utilities adjacent to the Transit Center.
 - Review final specifications and estimates for traffic routing during the relocation of utilities.
 - Attend regular meetings and work with various agencies to minimize the impacts to the public during the utility relocation.
 - Provide SFMTA street supervision for vehicle re-routes.
 - Provide for any needed relocation of SFMTA overhead contact system (OCS), including support for re-routes/bus substitution during any period of OCS shutdown.

**Not to Exceed Budget: \$95,500 (DPT)
 \$15,000 (MUNI)**

C. Scope of SFMTA Muni OCS and Traction Power Project Management, Planning and Coordination, Engineering, Construction Management Support and Inspection Services:

- I. *The TJPA is constructing a reconfigured OCS and traction power system at the new Transit Center. SFMTA shall provide project management, planning and coordination, construction management support, engineering and inspection services for the new system.*
- II. The scope of SFMTA's services is limited to the following:
 - *Provide new OCS and traction power design to TJPA.*
 - *Provide existing record as-built documents when requested and available.*
 - *Coordinate and interface with project team members including TJPA, TJPA contractor through TJPA Construction Management Oversight (CMO) consultant, and SFMTA (including SFMTA Resident Engineer, Inspectors, MUNI Maintenance and Operations).*
 - *Assist TJPA in coordinating needed MUNI trolley coach re-routes/stop changes during construction.*
 - *Assist TJPA CMO-Resident Engineer in submitting contractor's clearance requests to SFMTA's Operation Central Control (OCC) and attending clearance meetings.*
 - *Call in and close out daily OCC clearances.*
 - *Provide inspection services (days, nights, and weekends) for the work.*
 - *Issuing daily inspector reports for the work.*
 - *When authorized, issue directives or other required actions (such as stop work orders) to ensure that contractor's work does not negatively impact SFMTA's operations or safety.*
 - *Attend progress, coordination, and traffic management meetings for the work.*
 - *Assist TJPA CMO-Resident Engineer in reviewing submittals and RFIs by providing comments and recommendations.*
 - *Assist TJPA CMO-Resident Engineer in reviewing work progress and contractor's submitted work plan.*

Not to Exceed Budget: \$676,979

**AMENDED EXHIBIT A4
TRANSIT CENTER
TRAFFIC PLANNING AND ENGINEERING SERVICES BY SFMTA**

A. Scope of SFMTA Project Management and Engineering Services:

- I. TJPA is constructing a new Transit Center at Mission Street between Fremont and Beale streets. The SFMTA shall provide project management and engineering design services for the overhead contact system (OCS) project related to the new Transit Center. (See enclosed preliminary sketch, alignments are subject to change.)

- II. The scope of SFMTA's services is limited to the following:
 - Provide construction plans, sequencing plans, specifications, and construction cost estimates, including new trolley pole foundations, trolley poles, wires, wood troughs support spans and bracket arms.
 - Reconfigure existing special OCS.
 - Provide design of existing streetlight transfer to new trolley poles where required; remove existing streetlight poles as needed.
 - Participate in coordination meetings with City agencies, TJPA and TJPA's design team.
 - Coordinate and obtain approval from SFMTA Operations and Maintenance on the bus plaza design.

- III. The scope of SFMTA's services is based upon the following assumptions:
 - a. Baseline survey, existing underground utility information and new Transbay Transit Center drawings to be provided to SFMTA.
 - b. The design and relocation of existing utilities not owned by the SFMTA shall be addressed and designed by other parties. OCS installation may require the relocation of such existing utilities.
 - c. Additional work triggered by the relocation of trolley poles (curb ramp reconstruction, traffic signal and mast arm relocation, and the relocation of traffic signs, etc.) shall be addressed and designed by others.
 - d. All associated civil design elements (e.g. passenger boarding islands) shall be designed and addressed by other parties.
 - e. All new poles shall be designed using standard poles with standard cobra type streetlights.
 - f. Sub-sidewalk basement special foundations, and eyebolts to buildings, if any, shall be addressed and designed by other parties.
 - g. The Conceptual Engineering Report, which is the basis for the Overhead Contact System detailed design.

Not to Exceed Budget: \$661,000

B. Scope of SFMTA Traffic Engineering Services:

- I. SFMTA shall provide traffic planning and engineering services for the new Transit Center.
- II. The scope of SFMTA’s services is limited to the following:
 - Participate in the collaborative planning and design efforts by TJPA and its consultants for the routing of vehicle, pedestrian and transit traffic for the new Transit Center.
 - Provide review of conceptual traffic signal plans.
 - Review preliminary specifications and estimates of traffic routing for the new Transit Center.
 - Attend regular meetings and review traffic routing needs to accommodate the construction of the new Transit Center.

Final designs and services for new or modified signage, striping, and traffic signals are outside the scope of proposed SFMTA (MUNI & DPT) services and subject to a separate agreement between TJPA and SFMTA.

Not to Exceed Budget: \$115,500

C. Scope of SFMTA Traffic Engineering and Shop Services:

- I. SFMTA shall provide traffic engineering services for the construction by TJPA of the Transit Center on blocks generally bounded by Minna, Natoma, Beale, and Second streets.
- II. The scope of SFMTA’s services is limited to the following:
 - Review revised Transbay Transit Center design for traffic signal timing and pole locations proposed at the entry and exit of the Bus Plaza, crosswalk, and traffic lane striping.
 - Review proposed Beale Street sidewalk and roadway reconfiguration.
 - Provide type and location of regulatory traffic signs, curb allocations, etc.
 - Coordinate with SFMTA shops for installation of signs, pavement markings, traffic signals and parking meters; prepare work authorizations as required.
 - Prepare legislation as required.

SFMTA Traffic Engineering \$280,800
SFMTA Shop Services \$100,000

Not to Exceed Budget: \$380,800

AMENDED EXHIBIT A6

**MISCELLANEOUS PROJECT MANAGEMENT, ENGINEERING SUPPORT &
CONSTRUCTION MANAGEMENT SERVICES BY SFMTA**

A. Scope of SFMTA's (DPT & MUNI) Project Management, Engineering Construction Management, and Inspection Support and Coordination Services:

- I. SFMTA shall provide general planning, project management, engineering support, and construction management services and coordination to support TJPA for the Transbay Transit Center Program.
- II. The scope of work is limited to the following:
 - Providing general project management support and coordination.
 - Providing general engineering support and coordination.
 - Providing general construction management and inspection support and coordination.
 - Providing general traffic planning and engineering support and coordination.
 - *Provide and install four (4) ticket vending machines in the Transit Center.*

Not to Exceed Budget: \$40,000

AMENDED EXHIBIT A7
TEMPORARY TERMINAL OPERATIONS
PARKING CONTROL OFFICER SERVICES

A. Scope of SFMTA (DPT) Parking Control Officer Services:

- III. TJPA is constructing a Temporary Transbay Terminal at Howard Street between Beale and Main streets. SFMTA shall provide two parking control officers (PCOs) at key intersections to facilitate bus movement between the Temporary Terminal and the Bay Bridge as indicated in Temporary Transbay Terminal Posts for PM Commutes. The SFMTA shall be reimbursed for these services based on the rates set forth in Transbay Transit Center Program Reduced City Traffic Control Estimate.
- IV. The scope of SFMTA's services is limited to the following:
- Prior to scheduled opening of the Temporary Terminal, participate in initial planning session with TJPA to identify intersections where budgeted PCOs will be stationed.
 - In accordance with attached spreadsheet, provide PCOs on City streets at key commute hours to manage and direct traffic on the streets around the Temporary Terminal and the streets leading up to the Essex St. on ramp to the Bay Bridge as directed by the TJPA.

Not to Exceed Budget ***\$1,072,698***

**AMENDED EXHIBIT A8
TEMPORARY BRIDGE
PROJECT MANAGEMENT, PLANNING AND COORDINATION, ENGINEERING,
CONSTRUCTION MANAGEMENT SUPPORT, INSPECTION, AND TRAFFIC
ENGINEERING SUPPORT BY SFMTA**

A. Scope of SFMTA Project Management, Planning and Coordination, Engineering, Construction Management Support, and Inspection Services

- I. TJPA is constructing a Temporary Bridge on Beale Street mid-block between Mission and Howard streets. SFMTA shall provide project management, planning and coordination, engineering, and construction management support and inspection services for the overhead contact system (OCS) to support the Beale Street Temporary Bridge.

- II. The scope of SFMTA's services is limited to the following:
 - Provide construction plans, sequencing plans, specifications, and construction cost estimates for the OCS including new wires, support spans and bracket arms.
 - Reconfigure existing OCS special work.
 - Add or replace existing trolley poles and foundations as required to support new or relocated OCS.
 - Provide demolition design of existing trolley poles where required.
 - Review site investigations/existing OCS as-built documents.
 - Participate in coordination meetings with City agencies, TJPA, and TJPA's design team.
 - Provide as-needed services in conjunction with the bidding of the OCS contract documents.
 - Coordinate and interface with project team members including TJPA, TJPA contractor through TJPA Construction Management Oversight consultant (CMO), and SFMTA (including SFMTA resident engineer, inspectors, Muni Maintenance and Operations).
 - Assist TJPA in coordinating needed Muni trolley coach re-routes/stop changes during OCS construction shutdowns.
 - Assist TJPA CMO-Resident Engineer in coordinating with Muni Street Operations to request vehicles to test the OCS.
 - Assist TJPA CMO-Resident Engineer in submitting contractor's clearance requests to SFMTA's Operation Central Control (OCC) and attending clearance meetings.
 - Call in and close out daily OCC clearances.
 - Provide inspection services (days, nights, and weekends) for the OCS work.
 - Issuing daily inspector reports for the OCS work.
 - Provide fulltime monitoring whenever OCS contractor performs work impacting SFMTA operations. When authorized, issue directives or other required actions (such as stop work orders) to ensure that contractor's work does not negatively impact SFMTA's operations or safety.
 - Attend progress, coordination, and traffic management meetings for the OCS work.
 - Assist TJPA CMO-Resident Engineer in reviewing OCS submittals and RFIs by providing comments and recommendations.
 - Assist TJPA CMO-Resident Engineer in reviewing OCS work progress and contractor's submitted work plan.

- Assist TJPA CMO-Resident Engineer in processing progress payments by issuing recommendations for OCS quantity measurement and completion.
- Assist TJPA CMO-Resident Engineer in the management of change orders related to OCS work that affects SFMTA's operations.
- Assist TJPA CMO-Resident Engineer in reviewing Contract Change Order Requests and changes related to the OCS.

III. The scope of SFMTA's services is based upon the following assumptions:

- a. Baseline survey, existing underground utility information, and new Transit Center drawings will be provided to SFMTA.
- b. The design and relocation of existing utilities not owned by the SFMTA shall be addressed and designed by other parties. OCS installation may require the relocation of such existing utilities.
- c. Additional work triggered by the relocation of trolley poles (curb ramp reconstruction, traffic signal and mast arm relocation, and the relocation of traffic signs, etc.) shall be addressed and designed by others.
- d. All associated civil design elements (e.g., passenger boarding islands) shall be designed and addressed by other parties.
- e. All new poles shall be designed using standard poles with standard cobra type streetlights.
- f. Sub-sidewalk basement special foundations, foundations through new Transit Center decking, and eyebolts to buildings, if any, shall be addressed and designed by other parties.

Not to Exceed Budget: \$0

B. Scope of SFMTA Traffic Engineering Services:

- I. TJPA is constructing Temporary Bridges on Beale Street mid-block between Mission and Howard streets, and Fremont Street mid-block between Mission and Howard streets. SFMTA shall provide traffic engineering services to support the installation and removal of the Temporary Bridges.
- II. The scope of SFMTA's Traffic Engineering services is limited to the following:
 - Review and recommend approval of contractor submittal for vehicular and pedestrian traffic configuration of temporary bridges, including safety features to be installed.
 - Coordinate comments and approvals with other City agencies.
 - Provide traffic engineering services, such as review of signal, striping and signage plans and prepare supporting legislation, as required.
 - Coordinate signal testing and turn-ons with the SFMTA Signal Shop, prepare signal timing cards, and prepare work orders.
 - Coordinate with SFMTA Sign Shop and SFMTA Paint Shop for their respective areas of work in the public right-of-way; prepare work authorizations as required.

Not to Exceed Budget: \$128,000

**AMENDED EXHIBIT A9
BUS RAMP
TRAFFIC ENGINEERING SERVICES BY SFMTA**

A. Scope of SFMTA Traffic Engineering and Shop Services

- I. TJPA is constructing elevated bus ramp structures that will span above the public right-of-way in seven streets: Natoma, Howard, Tehama, Clementina, Folsom, Harrison, and Second streets. The SFMTA shall provide traffic engineering and shop services for the Bus Ramps.
- II. The scope of SFMTA's services is limited to the following:
- Provide parameters to be required by SFMTA to permit work and ensure safety during construction of the elevated bus ramp structures over roadways and sidewalks in the public right-of-way.
 - Determine that the schedule and scope of other activity to be permitted by SFMTA Interdepartmental Staff Committee on Construction and Other Projects in affected streets is coordinated with the schedule for Bus Ramps construction.
 - Coordinate comments and approvals with other City agencies.
 - Review traffic control plans proposed by the contractor to ensure conformance with SFMTA parameters.
 - At direction of SFMTA SSD, SFMTA Sign Shop to install regulatory and warning traffic signs and perform work under its jurisdiction.
 - At direction of SFMTA SSD, SFMTA Paint Shop to layout and paint traffic lane markings, and perform other work under its jurisdiction.
 - At direction of SFMTA SSD, SFMTA Signal Shop to test, adjust and interconnect signals; prepare traffic signal timing changes and perform other work under its jurisdiction.

SFMTA Traffic Engineering ***\$0***

SFMTA Shop Services ***\$0***

Not to Exceed Budget: ***\$0***

AMENDED EXHIBIT A10
**ON-GOING CONSTRUCTION COORDINATION SUPPORT,
PROJECT MANAGEMENT, PLANNING AND COORDINATION, TRAFFIC
ENGINEERING, AND SHOP SERVICES BY THE SFMTA**

A. Scope of SFMTA Services:

- I. The SFMTA shall provide planning support and project management support services for ongoing construction in the public right-of-way to support the construction and future operations of the Transbay Transit Center.
- II. The scope of SFMTA's services is limited to providing support and coordination for the following:
 - Provide general project management and planning support and coordination.
 - Review contractor requests for special traffic permits for on-street construction that will affect Muni operations.
 - Coordinate with Muni Operations for Muni re-route/OCS de-energizing/stop changes related to on-street utility work requested by TJPA contractors.
 - Advise TJPA contractors and CMO personnel on the acceptable parameters of on-street work that could affect Muni operations.
 - Review contractor proposals for on-street and sidewalk work that impacts pedestrian flow and safety.

Budget: \$300,000

B. Scope of SFMTA Traffic Engineering and Shop Services:

- I. SFMTA shall provide traffic engineering and shop services to support the ongoing construction and future operations of the Transbay Transit Center.
- II. The scope of SFMTA's Traffic Engineering and Shop services is limited to the following:
 - Attend weekly and special coordination meetings with CMO team, Transbay contractors, utility agencies/contractors and neighboring project representatives to assess work planned in the public right-of-way.
 - Provide guidance to contractors on traffic control plans and in advance of issuing Special Traffic Permits. Review submitted traffic control plans.
 - Coordinate SFMTA enforcement coverage for major events.
 - Undertake field investigations to ensure adequacy of detours, signage, etc. in order to provide for pedestrian and vehicular safety.
 - Provide input and guidance on operational issues related to the Temporary Terminal and major events in the area of Transit Center construction.
 - Direct the SFMTA Sign Shop to install regulatory traffic signs and perform other work under its jurisdiction.
 - Direct the SFMTA Signal Shop to test, adjust, and interconnect traffic signals; prepare traffic signal timing cards and perform other work under its jurisdiction.

- Direct the SFMTA Striping Shop to layout and paint traffic lane markings, and perform other work under its jurisdiction.
- Direct the SFMTA Meter Shop to install and remove parking meters and perform other work under its jurisdiction as requested or required.
- As directed by SFMTA SSD traffic engineers, SFMTA shops to perform work.

Not to Exceed Budget: \$ 400,200