

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

This Amendment is made this 17<sup>th</sup> day of May, 2013, 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 Existing Terminal, Utility Relocation, Bus Storage Facility, and Transit Center work for the Transbay Transit Center Project and related structures ("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 Transbay 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 desire 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.
  - 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 shall be amended to add the following services to be provided under the Agreement:

    - A. For construction of the Temporary Terminal, the SFMTA shall provide to the TJPA construction management, OCS inspection and engineering support services. The SFMTA shall also provide and install traffic signage, street striping and parking meters.
    - B. For demolition of the Existing Terminal, the SFMTA shall provide to the TJPA OCS design, construction management, OCS inspection and engineering support services. The SFMTA shall also provide traffic engineering services.
    - C. For Utility Relocation, the SFMTA shall provide to the TJPA project management, engineering support services, and traffic planning, including project

management, planning and coordination, construction management support, and inspection services for a Muni Traction Power duct bank to accommodate Muni cables supplying power for the reconfigured OCS at the Transit Center.

**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.

**E.** For construction of the Bus Storage Facility, the SFMTA shall provide to the TJPA traffic engineering and shop services, project management, planning and coordination, engineering, construction management support, and inspection services.

**F.** For installation and removal of the Temporary Bridge (interim roadway structure required for the construction of the Transit Center below grade concrete box structure), the SFMTA shall provide to the TJPA project management, construction management, inspection, and engineering support services for the OCS, and traffic engineering support services related to the temporary bridge installation and removal for the Transit Center.

**H.** For construction of Bus Ramps, the SFMTA shall provide traffic engineering services.

Specifically, the required additional work to be performed by the SFMTA through the Capital Programs and Construction and Sustainable Streets Divisions under this Second Amendment to the Agreement is set forth as follows:

- Amended Exhibit A3      Utility Relocation;
- Amended Exhibit A4      Transit Center;
- Amended Exhibit A5      Bus Storage Facility;
- Exhibit A8      Temporary Bridge
- Exhibit A9      Bus Ramps
- Exhibit A10      On-going Construction Coordination Support
- Exhibit A11      Signal Work

All applicable work shall be performed consistent with the SFMTA *Conceptual Engineering Report* (August 2012) attached hereto as Exhibit A12.

Amended Exhibits A3, A4, and A5, and Exhibits A8, A9, A10, A11, and A12 are attached to this Amendment Agreement and incorporated by reference as though fully set forth herein.

**b. Appendix B, Exhibits B-1 and B-2.**

Appendix B shall be replaced in its entirety with Exhibits B-1 and B-2 that are attached to this Second Amendment to the Agreement to reflect current SFMTA wage rates, and incorporated by reference as though fully set forth herein .

**c. Section II. Contract Amount and Terms of Payment.**

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

**A. Reimbursement for SFMTA Transbay Work Elements.** Compensation under this agreement shall be on a cost reimbursement basis only. The TJPA agrees to reimburse the SFMTA for all actual, allowable, reasonable costs incurred for the SFMTA Transbay Work performed under this Agreement. The salary rates of SFMTA personnel, including overhead rates, are set forth in

Exhibit B. These rates reflect actual salaries paid to SFMTA employees who will be carrying out the work. Said rates are subject to change, depending on negotiated cost of living and other increases in applicable City collective bargaining agreements. Such changes shall not be subject to the prior approval of the TJPA; however, the SFMTA shall notify the TJPA in writing whenever hourly labor rates by classification are changed. Such notice shall be given prior to or along with the first invoice that reflects the changed hourly labor rates.

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

**B. Estimated Contract Amount.** In no event shall the total compensation under this Agreement exceed \$5,393,677 without a written amendment to this Agreement. The parties agree to amend this Agreement to increase the Contract Amount if the actual approved costs for the work exceed the Estimated Contract Amount.

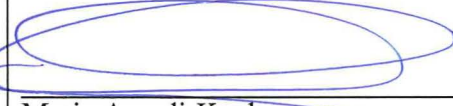


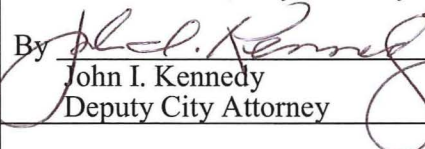

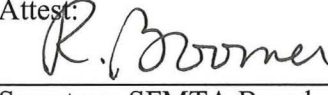
**d. Section III. Term; Termination**

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 December 31, 2017, unless extended by the parties or terminated earlier by the parties.

- 3. Legal Effect.** Except as expressly modified by this Second 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.

<p><b>TRANSBAY JOINT POWERS AUTHORITY</b></p>  <p>_____          Maria Ayerdi-Kaplan          Executive Director</p>	<p><b>CITY AND COUNTY OF SAN FRANCISCO          MUNICIPAL TRANSPORTATION AGENCY</b></p>  <p>_____          Edward D. Reiskin          Director of Transportation</p>
<p>APPROVED AS TO FORM:</p> <p>By  _____          Deborah L. Miller          TJPA Legal Counsel</p>	<p>APPROVED AS TO FORM:          Dennis J. Herrera, City Attorney</p> <p>By  _____          John I. Kennedy          Deputy City Attorney</p>
<p>TJPA Board of Directors</p> <p>Resolution No. <u>13-004</u></p> <p>Dated: <u>February 14, 2013</u></p> <p>Attest:            _____          Secretary, TJPA Board</p>	<p>SFMTA Board of Directors</p> <p>Resolution No. <u>13-018</u></p> <p>Dated: <u>February 5, 2013</u></p> <p>Attest:            _____          Secretary, SFMTA Board</p>

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

**A. Scope of SFMTA (MUNI) 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, ductbank, cable, manholes) and make recommendations to TJPA design team.

**Budget: \$55,000**

**B. Scope of SFMTA (DPT & MUNI)'s 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) Project Management, Planning and Coordination, Engineering, Construction Management Support and Inspection Services (Muni DUCT BANK):**

- I. *The TJPA is constructing a duct bank on Mission Street between Anthony and Main streets (Duct Bank) to accommodate MUNI cables supplying power for the reconfigured OCS at the new Transit Center. SFMTA shall provide project management, planning and coordination, construction management support, and inspection services for the Duct Bank.*
- II. *The scope of SFMTA's services is limited to the following:*
- *Review TJPA's duct bank design and provide comments.*
  - *Provide as-built documents when 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: \$70,000***

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

**A. Scope of SFMTA (MUNI)'s 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, which is attached as Exhibit A12.*

**Not to Exceed Budget:           \$480,000**



**B. Scope of SFMTA (DPT)'s 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: \$90,500**

**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 (TCC) 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 A5  
BUS STORAGE FACILITY  
TRAFFIC PLANNING BY SFMTA**

**A. Scope of SFMTA (DPT) Traffic Engineering Services:**

- I. SFMTA shall provide traffic planning and engineering services for the new Bus Storage Facility (BSF) located between Perry and Stillman streets and 2<sup>nd</sup> and 3<sup>rd</sup> streets.
- II. The scope of SFMTA's services is limited to the following:
  - Participate in the collaborative planning and design efforts by TJPA, City departments, and the consultants for the Bus Storage Facility.
  - Attend regular meetings and review the traffic routing and traffic circulation needs to accommodate the Bus Storage Facility.
  - Review final specifications and estimates for traffic engineering services to accommodate the Bus Storage Facility.

**Not to Exceed Budget                      \$29,000**

**B. Scope of SFMTA (MUNI) Project Management, Planning and Coordination, Engineering, Construction Management Support, and Inspection Services:**

- I. *The TJPA is constructing a Bus Storage Facility (BSF) on a block bounded by Second, Third, Stillman, and Perry Streets. The BSF will require the relocation of a combined OCS/streetlight pole and foundation, the relocation of an existing SFMTA bus shelter on Third Street, construction of a bulb-out at the SE corner of Third and Stillman Streets, traffic lane restriping and other site work. The SFMTA shall provide planning and coordination support, engineering, construction management support, and inspection services for the construction of the BSF.*
- II. *The scope of SFMTA's MUNI 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.*
  - *Relocate existing trolley poles to allow proper clearance for buses entering and exiting the proposed storage yard.*
  - *Provide demolition design of existing trolley poles where required.*
  - *Review site investigation/existing 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 contract documents.*
  - *Coordinate and interface with project team members including TJPA, TJPA contractor through TJPA Construction Manager consultant (CM), 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 shutdowns.*
- *Assist TJPA CM-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.*
- *Provide full-time monitoring whenever 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 work.*
- *Assist TJPA CM-Resident Engineer in reviewing submittals and RFIs by providing comments and recommendations.*
- *Assist TJPA CM-Resident Engineer in reviewing work progress and contractor's submitted work plan.*
- *Assist TJPA CM-Resident Engineer in processing progress payments by issuing recommendations for quantity measurement and completion.*
- *Assist TJPA CM-Resident Engineer in the management of change orders related to the work that affects SFMTA's operations.*
- *Assist TJPA CM-Resident Engineer in reviewing Contract Change Order Requests and changes related to the work.*

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

- *Baseline survey, existing underground utility information, and BSF drawings will be provided to SFMTA.*
- *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.*
- *Additional work triggered by the relocation of trolley poles (curb ramp reconstruction, traffic signal, mast arm, and traffic sign relocation, etc.) shall be addressed and designed by others.*
- *All associated civil design elements (e.g., passenger boarding islands) shall be designed and addressed by other parties.*
- *All new poles shall be designed using standard poles with standard cobra type streetlights.*
- *Sub-sidewalk basement special foundations, and eyebolts to buildings, if any, shall be addressed and designed by other parties.*

***Not to Exceed Budget: \$130,000***

**C. Scope of SFMTA Traffic Engineering and Shop Services:**

I. SFMTA shall provide traffic engineering services for the construction of the BSF.

II. The scope of SFMTA's Traffic Engineering and Shop services is limited to the following:

- Review and approve design of Stillman Street bulb-out at Third Street, traffic lane re-striping on Third Street and other related work.
- Approve relocation of SFMTA bus shelter on Third Street.
- Review of two driveways into the BSF at Third Street and at Stillman Street.
- Review plans for link ramp construction.
- Coordination with SFMTA shops for installation of signs, pavement markings and parking meters; prepare work authorizations as required.
- Prepare legislation as required.
- Attended weekly progress meeting

**SFMTA Traffic Engineering \$60,000**

**SFMTA Shop Services \$50,000**

**Not to Exceed Budget: \$110,000**

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

**A. Scope of SFMTA (MUNI) 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 MUNI 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: \$181,000**

**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**

**EXHIBIT A9  
BUS RAMPS  
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 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.

**SFMTA Traffic Engineering \$53,000**

**SFMTA Shop Services \$20,000**

**Not to Exceed Budget: \$73,000**

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

**A. Scope of SFMTA (MUNI) 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 MUNI 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 effect 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 TTC 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: \$ 440,200**

## **EXHIBIT A11 SIGNAL WORK**

### **Traffic Signals at Preceding Intersections**

The TTC project will install traffic signals at the entry and exit of the Bus Plaza on Beale and Fremont streets mid-block between Mission and Howard streets. The City recommends that the intersections preceding and following these signals be interconnected to synchronize the timing of the signal changes. Additionally, a signal on Second Street at Minna Street to allow south-bound vehicles to enter Minna Street for deliveries to the Transit Center and for drop-off/pick-up of inter-city bus passengers and others is under consideration and the TJPA may request that the SFMTA assist with this work.

#### **I. Traffic Signals at Transbay Terminal Intersections (SFMTA Traffic Engineering and Shop Services)**

The Transbay Transit Center (TTC) project anticipates installing traffic signals at the following intersections:

- 1<sup>st</sup> Street and Minna Street
- 1<sup>st</sup> Street and Natoma Street
- 2<sup>nd</sup> Street and Minna Street
- Beale Street mid-block between Howard and Mission Streets
- Fremont Street and Natoma Street
- Mission Street and Shaw Alley

#### **II. The scope of SFMTA's services is limited to the following:**

- Provide City records of locations as available to include traffic counts and roadway striping
- Review of traffic signal plans and specifications to ensure conformity with applicable City, state and federal standards and constructability concerns
- Review of traffic signal cost estimates
- Attend design and field review meetings
- Coordinate SFMTA Signal Shop support
- Prepare legislation as needed
- Prepare signal timing plans and program signal controllers
- Coordinate and attend signal activation
- Provide input for punch list activities
- Support certification and testing of new traffic signals

**Not to Exceed Budget: \$ 300,000**

**EXHIBIT A12**  
**CONCEPTUAL ENGINEERING REPORT**