

**STAFF REPORT FOR CALENDAR ITEM NO.: 9
FOR THE MEETING OF: April 12, 2012**

TRANSBAY JOINT POWERS AUTHORITY

BRIEF DESCRIPTION:

Authorize the Executive Director to execute Amendment No. 3 to Agreement No. 06-04-ARCH-000 (Agreement) between the Transbay Joint Powers Authority (TJPA) and Jacobs Engineering Group (Jacobs) for Architectural and Engineering Design Services for the New Bus Storage Facilities to add design services for a net additional Basic Services fee increase of \$900,000, and a revised total contract amount of \$5,748,379.

EXPLANATION:

On May 17, 2007, TJPA Board awarded the Agreement to Carter & Burgess, Inc. following a competitive procurement process. On August 3, 2009, Carter & Burgess executed an assignment and novation of the contract to Jacobs, which had acquired Carter & Burgess. The Agreement provided for a total contract amount of \$4,065,000, comprised of \$3,265,000 for Basic Services and up to \$800,000 for Additional Services.

On May 15, 2008, the TJPA Board approved Amendment No. 1 to the Agreement, authorizing an increase of \$300,000 to the Basic Services fee amount for added scope including a Caltrans Project Study Report (PSR) and value engineering. Amendment No. 1 increased the total contract amount to \$4,365,000.

On June 10, 2010, the TJPA Board approved Amendment No. 2 to the Agreement, authorizing an increase to the Basic Services fee for added design services including a new bus link ramp structure and dynamic modeling analysis in the amount of \$483,379. Amendment No. 2 increased the total contract amount to \$4,848,379.

TJPA staff has identified the following additional required design services associated with design of the Bus Storage Facility: increased bus parking capacity; reconfigured modular AC Transit Administration Offices; enhanced sound/retaining/aesthetic walls; narrowed finger walls; additional Advanced Planning Studies (APS); new corner bulb out/curb ramps on Stillman Street at Third Street; Structure Type Selection (STS) plans/reports; support for additional community meetings; and a structural mitigation system.

A detailed explanation of the proposed services to be added follows. A Site Plan dated October 13, 2011 is attached to Exhibit A – Revisions to Design Scope of Services, and reflects the Bus Storage Facility Site Plan as envisioned with the additional services provided under Amendment No. 3.

Post Design Development Work

At the end of the Design Development phase, a number of design issues arose which necessitated additional engineering effort by the design team. These items included: site modifications to increase bus parking capacity, including the narrow finger walls; modular structures for AC

Transit administration offices in lieu of trailers; enhanced sound/retaining/aesthetic walls; and seven additional Advanced Planning Studies (APS) for Caltrans.

Structural Mitigation

Following an earlier presentation of findings from the seismic analysis/impact analysis for Frame 5U, Caltrans required that the design team analyze all affected frames of the West Approach (WA) of the San Francisco-Oakland Bay Bridge (SFOBB) to determine if structural mitigation is warranted as a result of proposed construction of the Bus Storage Facility.

In order to comply with this requirement, the design team must develop a three dimensional structural model of all additional affected frames (5L, 4U and 4L) of the WA-SFOBB to demonstrate structural conditions both before and after the proposed Bus Storage Facility construction. If behavior of the WA-SFOBB is altered by the proposed construction, the design team will be required to develop a structural mitigation solution to compensate for changes. It should be noted that Frame 5U did show a difference in structural behavior and consequently requires an undefined mitigation to be determined by Caltrans.

Construction Documents Phase

Many of the items listed above will require increased level of effort and time during the Construction Documents phase. These items include additional engineering work for the modular offices structures, a new corner bulb out/curb ramps at Stillman Street at Third Street, enhanced sound/retaining walls and bridge features, narrowed finger walls, additional Advanced Planning Studies (APS); Structure Type Selection (STS) plans/reports; and a structural mitigation system. In addition, a greater level of community outreach is anticipated in order to update the community on the status of the improvements in their neighborhood including the sound/retaining walls, treatment areas, corner bulb out/curb ramps, and landscape treatments and the design team will provide graphics support to TJPA with this effort. Singer Associates shall facilitate the community meetings and provide outreach services to the TJPA under a separate existing contract (10-07-PR-000)

The work proposed under this Amendment No. 3 is considered Basic Services and would be attributed to the Construction Documents phase of the original contract. These scope and fee of the proposed additional services have been negotiated by TJPA and Program Management staff, resulting in a net increase in the Basic Services fee of \$900,000; this would increase the total contract amount to \$5,748,379 (\$4,948,379 Basic Services and \$800,000 Additional Services).

RECOMMENDATIONS:

Staff recommends that the Board of Directors authorize the Executive Director to execute Amendment No. 3 to the Agreement with Jacobs for the New Bus Storage Facilities project to add design services for a net Basic Services fee increase of \$900,000, and a new total contract amount of \$5,748,379.

ENCLOSURES:

1. Resolution
2. Agreement
3. Revised Site Plan for Bus Storage Facility

**TRANSBAY JOINT POWERS AUTHORITY
BOARD OF DIRECTORS**

Resolution No. _____

WHEREAS, On May 17, 2007, the Transbay Joint Powers Authority (TJPA) Board of Directors authorized the Executive Director to execute an Architectural and Engineering Design Services Agreement (Agreement) for New Bus Storage Facilities with Carter & Burgess, Inc. for a total Basic Services fee amount of \$3,265,000 and up to \$800,000 for Additional Services; and

WHEREAS, On May 15, 2008, the TJPA Board of Directors authorized the Executive Director to execute Amendment No. 1 to the Agreement, increasing the Basic Services fee amount by \$300,000 for additional scope including a Caltrans Project Study Report (PSR) and value engineering; and

WHEREAS, On August 3, 2009, Carter & Burgess, Inc. executed an assignment and novation of the Agreement to Jacobs Engineering Group (Jacobs); and

WHEREAS, On June 10, 2010, the TJPA Board of Directors authorized the Executive Director to execute Amendment No. 2 to the Agreement, increasing the Basic Services fee amount by \$483,379 for a new bus link ramp structure and dynamic modeling analysis; and

WHEREAS, TJPA staff have determined that the successful completion of the engineering and design of the Bus Storage Facility requires additional design services associated with increased bus parking capacity; reconfigured modular AC Transit Administration Offices; enhanced sound/retaining/aesthetic walls; narrowed finger walls; additional Advanced Planning Studies (APS); new corner bulb out/curb ramps on Stillman Street at Third Street; Structure Type Selection (STS) plans/report; support for additional community meetings; and a structural mitigation system; and

WHEREAS, Such revised design services require an Amendment to the Agreement, to modify the scope, fee, schedule and deliverables under the Agreement; now, therefore, be it

RESOLVED, That the TJPA Board of Directors authorizes the Executive Director to execute Amendment No. 3 to the Architectural and Engineering Design Services Agreement with Jacobs for the New Bus Storage Facilities Project, to add design services for a net Basic Services fee increase of \$900,000, and a new total contract amount of \$5,748,379.

I hereby certify that the foregoing resolution was adopted by the Transbay Joint Powers Authority Board of Directors at its meeting of April 12, 2012.

Secretary, Transbay Joint Powers Authority

**Agreement Amendment No. 03
Between
The Transbay Joint Powers Authority
and
Jacobs Engineering Group
To Furnish
Architectural and Engineering
Design Services
For
The Transbay Transit Center Program
Bus Storage Project
(Agreement No. 06-04-ARCH-000)**

THIS AMENDMENT for AGREEMENT is entered into as of the _____ day of _____ 2012 by and between the TRANSBAY JOINT POWERS AUTHORITY (“TJPA”) and Jacobs Engineering Group (the “Architect”).

Recitals

A. On November 17, 2006, the TJPA issued a Request for Proposals for Design Services for the New Bus Storage Facilities Project (RFP).

B. Architect submitted a written Proposal in response to the RFP, which was orally presented and rated highest by a selection committee comprised of technical experts.

C. On May 17, 2007, the TJPA Board of Directors adopted Resolution No. 07-016, which authorized the Executive Director to execute the original Agreement for said design services by the Architect.

D. On May 15, 2008, the TJPA Board of Directors adopted Resolution No. 08-018, which authorized the Executive Director to execute Amendment No. 1 to the Agreement for additional design services by the Architect.

E. On June 10, 2010, the TJPA Board of Directors adopted Resolution No. 10-014, which authorized the Executive Director to execute Amendment No. 2 to the Agreement for additional design services by the Architect.

Now, THEREFORE, the parties agree as follows:

Terms and Conditions

The agreement between the TJPA and the Architect is amended as follows:

1. Additional services associated with design of increased bus parking capacity; reconfiguration of modular AC Transit Administration Offices; enhanced sound/retaining/aesthetic walls; narrowed finger walls; additional Advanced Planning Studies (APS); new corner bulb out/curb ramps on Stillman Street at Third Street; Structure Type Selection (STS) plans/report; support for two (2) additional community meetings; and a structural mitigation system shall be included in “Basic Services” and shall be completed by the end of the “Construction Documents” phase. Exhibit A provides amended scoping.

2. The Agreement maximum compensation for Basic Services shall be increased by \$900,000 from \$4,048,379 to \$4,948,379. The Additional Services amount remains unchanged by this Amendment No. 03.
3. All other terms, covenants, and conditions in the original agreement shall remain in full force and effect and shall be applicable to this amendment.

The individuals executing this amendment to the agreement represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the parties hereto have executed this contract Amendment No. 03 on the day first mentioned above.

TRANSBAY JOINT POWERS AUTHORITY

Maria Ayerdi-Kaplan
Executive Director

Transbay Joint Powers Authority
Board of Directors
Resolution No. _____
Adopted: _____
Attest:

Secretary, TJPA Board

Approved as to Form:

Legal

By _____
TJPA Legal

Jacobs

Architect

By signing this Agreement, I certify that I comply with the requirements of the Minimum Compensation Ordinance, which entitle Covered Employees to certain minimum hourly wages and compensated and uncompensated time off.

I have read and understood San Francisco's statement urging companies doing business in Northern Ireland to move towards resolving employment inequities, encouraging compliance with the MacBride Principles, and urging San Francisco companies to do business with corporations that abide by the MacBride Principles.

Authorized Signature

Printed Name

Title

Jacobs

Company Name

300 Frank Ogawa Plaza, Suite 10

Address

Oakland, CA 94612

Authority, State, ZIP

(510) 457-0027

Phone Number

95-4081636

Federal Employer ID Number

Exhibit A

Revisions to Design Scope Services

1. Additional Services Architect Agrees to Perform

Work under this Agreement shall be performed only by competent personnel under the supervision of and/or in the employment of the Architect:

- a) Provide complete design and engineering services necessary to incorporate additional elements identified during the Design Development Phase of work.
- b) Provide complete structural mitigation analysis and design for proposed Bus Storage improvements as required by California Department of Transportation (Caltrans).
- c) Provide additional design and approval effort associated with enhanced sound/retaining/aesthetic walls and bridge elements and provide support for two additional community meetings.

Assumptions

- A Site Plan dated October 13, 2011 is attached and reflects the AC Transit Bus Storage Facility Site Plan as envisioned with Amendment No. 3.
- The Design Development Report will not be updated to reflect the current AC Transit Bus Storage Facility Site Plan dated October 13, 2011.
- TJPA/Caltrans will provide encroachment permit for field activities.
- Three (3) Caltrans review cycles are anticipated for the Construction Documents – 95%, 100%, and Final (issue for bid). 95% CDs are considered to be complete and will be submitted to Caltrans and AC Transit for their review; 100% CDs will respond to Caltrans' and AC Transit's comments, and revisions/comments addressed will be submitted to Caltrans and AC Transit to ensure that their comments were addressed as they intended; and Final will be clean-up of Caltrans' and AC Transit's comments and will be considered ready to be issued for bid.
- The 95% submittal is anticipated in December 2012 – this will be the first submittal to Caltrans and AC Transit.
- Project files will be maintained in the Architect's Oakland, California office.
- All services described in this Amendment No. 3 are considered Basic Services as defined in the Original Contract.
- The work effort of Amendment No. 3 is over and above the services described in Amendment No. 2.

Scope

- Perform contract administration and manage sub-consultant contracts and activities.

- Update Gantt chart schedules using Microsoft Project to include key steps required to complete structural mitigation analysis.
- Keep TJPA Project Manager informed of project progress, support TJPA Project Manager at meetings with Caltrans for the following additional meetings: two Community Meetings, one meeting for the Structure Type Selection (STS) with Caltrans' Department of Engineering Services (DES) for all structures except the structural mitigation system, two meetings with Caltrans' DES associated with structural mitigation analyses, and one meeting for STS for structural mitigation system.
- Provide quality assurance of all work products.

The below tasks relate to the tasks as defined in the Original Contract and Amendment Nos. 1 and 2.

Task 1 - Programming, Community Involvement and Schematic Design – no change

Task 2 - Design Development – no change

Task 3 - Construction Documents (CDs)

Task 3.3 - CDs from Design Development Revisions (Budget = \$165,000)

ARCHITECT shall provide complete Construction Documents for the following design elements:

- Increased bus parking capacity through narrowing finger walls along Bents 10 and 11, lower deck columns with encasements, and relocating AC Transit Administration Building to underneath SFOBB bents 13 and 14.
- Modular AC Transit Administration office structures are replacing the previously proposed trailers.
- Advanced Planning Studies (APS): Provide seven new APS documents to include Bus Link Ramp (BLR) Bridge over Vassar Place, MSE (LWF) East, MSE (LWF) West, Second Street SoundWall (SW), Third Street SW, Perry Street SW, and Stillman Street SW on barrier.
- Enhanced sound/retaining/aesthetic walls and bridge elements.
- Vine trellis (stainless steel wires bolted to the face of the SWs at designated spacings).
- Minor additional geotechnical effort.

Task 3.3 Deliverables:

- Incorporate items into the 65%, 95%, 100% and Final (issue for bid) CD submittals.

Task 3.4 - Structural Mitigation Analysis and Design

Architect shall perform the following activities:

- Full analytical demand and capacity models for all affected frames - Frames 5U, 5L, 4U and 4L where U signifies WA-SFOBB Upper Deck and L signifies WA-SFOBB Lower Deck - required by Caltrans. The task scope of work will be divided into three phases:

Task 3.4.1- Phase 1: (Budget = \$140,000)

- Complete the work analysis on Bent12U-C2.
- Perform analyses (existing conditions, new conditions with BSF improvements, and new conditions with BSF improvements and mitigation slab) for one column/shaft of Bent 12L.
- Finish Frame 5UP analysis with BSF and BSF improvements with mitigation slab.
- Perform analyses for one column/shaft 11U-C2 and one column/shaft of 11L-Cx of Frame 4.
- Prepare and submit draft Phase 1 Report and meet/teleconference with TJPA and AC Transit.
- Revise Phase 1 Report with TJPA comments.
- Transmit Phase 1 Report to Caltrans and conduct a meeting with Caltrans DES, TJPA and AC Transit. Caltrans DES reviews and, if appropriate accepts the Phase 1 report.
- The Phase 1 report will be finalized and will determine the direction for Phase 2.

Task 3.4.1 - Phase 1 Deliverables:

- Draft and Final Phase 1 Reports of summary of findings
- Meeting summary

Task 3.4.2 - Phase 2: (Budget = \$140,000)

- Finish analysis of Frame 5L.
- Finish analysis of Frame 4U and 4L.
- Prepare and submit Phase 2 Report, then meet/teleconference with TJPA and AC Transit on their comments.
- Transmit Phase 2 Report to Caltrans and conduct a meeting with Caltrans DES, TJPA and AC Transit. Caltrans DES reviews and, if appropriate, accepts Phase 2 Report.
- The Phase 2 report will be finalized.

Task 3.4.2 - Phase 2 Deliverables:

- Draft and Final Phase 2 Report of summary of findings
- Meeting summary

Task 3.4.3 - Phase 3: (Budget = \$110,000)

- Prepare STS plan/report for structural mitigation.
- Attend STS meeting.
- Prepare STS meeting minutes.
- Prepare 65% Construction Documents for review by TJPA and AC Transit.

- Prepare 95% (includes independent check), 100% and Final (issue for bid) Construction Documents and submit for review to TJPA, AC Transit and Caltrans DES.

Task 3.4.3 - Phase 3 Deliverables:

- STS plans/reports and STS meeting summary
- 65%, 95%, 100% and Final (issue for bid) Construction Documents.

Task 3.5 Construction Documents (Budget = \$345,000)

Provide complete construction documents for new all items listed above as well as the following:

- Two additional community meetings – (Jacobs PM - 4 hrs; Jacobs CADD – 8 hrs; Merrill Morris – 8 hrs for each Community meeting).
- Revise PSR/PR to reflect current site plan to include additional APS documents.
- Provide new corner bulb-out at the northeast corner of Stillman St./Third St. in accordance with City and County of San Francisco standards or as CCSF modifies.
 - verify new bulb-out allows for proper line;
 - provide turning templates (both in and out) for passenger vehicles, garbage truck, fire truck, and 45 ft. delivery truck
 - provide required drainage re-design for two existing inlets (if the drainage system requires more than relocation of the inlets, TJPA will be notified to determine the City and County of San Francisco preferred direction – work for design of a drainage system will be considered extra work.
- Structure Type Selection with Bridge Site Data Submittals (BSDS) for up to 10 structures. Effort includes STS meeting attending and preparing summary notes.
- Prepare Construction Documents for enhanced sound/retaining/aesthetic walls and bridge features.

Task 3.5 Deliverables

- Graphics support for two community meetings
- Revised Project Study Report (PSR)with all APS documents
- STS plans/report
- STS meeting summary
- CDs for enhanced sound/retaining/aesthetic walls and bridge features

Task 4 Bidding Support – no change

Task 5 Construction Administration Support

Provide complete construction administration support for the amended scope items.

Task 6 Warranty Support – no change

Task 7 Additional Services – no change

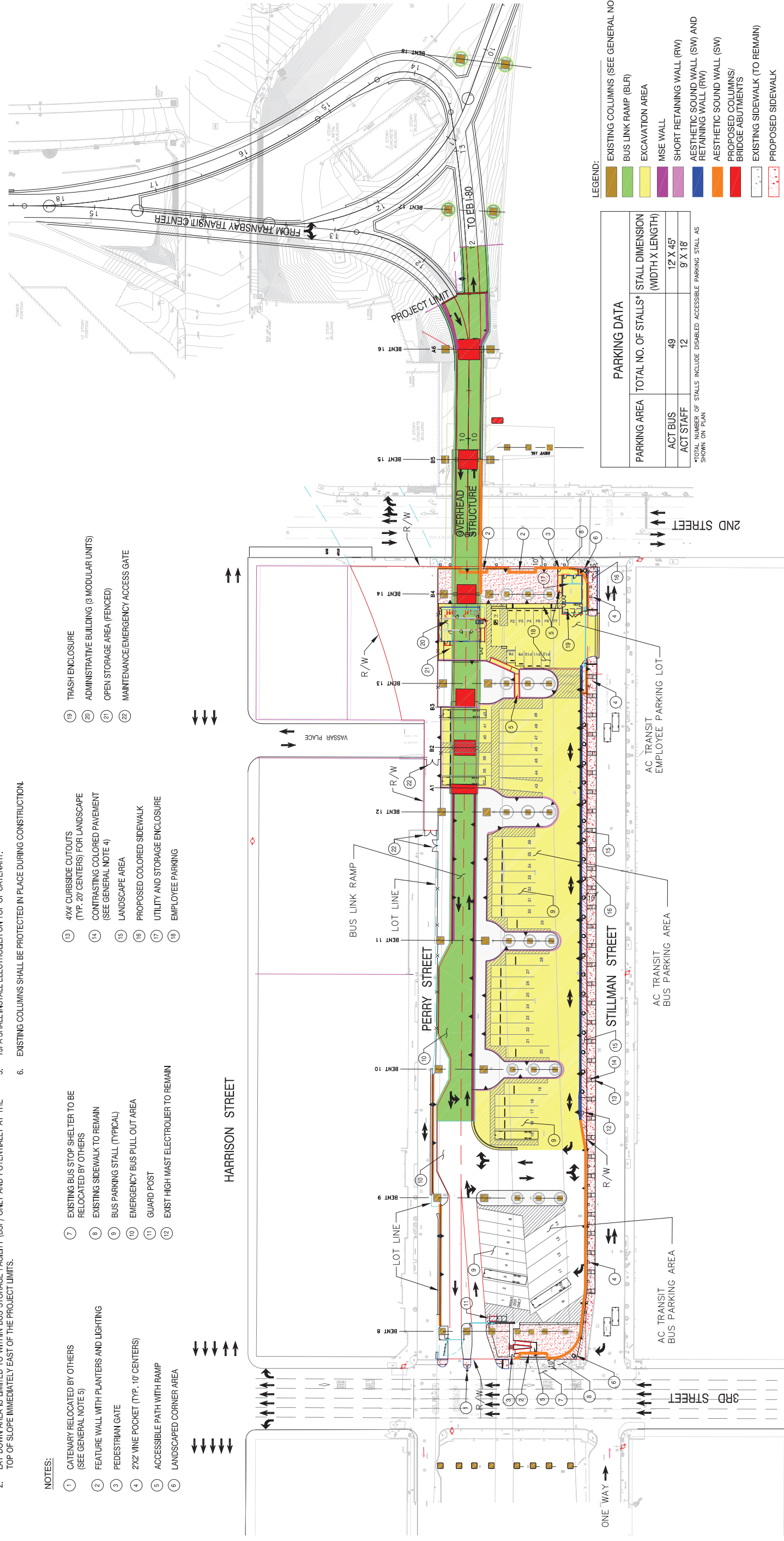
Revised Site Plan for Bus Storage Facility

GENERAL NOTES:

- SOUND WALLS SHALL BE CONSTRUCTED AT THE BEGINNING OF CONSTRUCTION. TEMPORARY WALLS ARE PROPOSED UNDERNEATH THE FALSEWORK FOR THE PROPOSED BUS LINK RAMP BRIDGE OVER 2ND STREET AND ALONG THE COMBINED SOUND WALL/RETAINING WALL ON STILLMAN STREET UNTIL THE PERMANENT SOUND WALLS CAN BE CONSTRUCTED.
- LAY DOWN AREA IS LIMITED TO WITHIN BUS STORAGE FACILITY (BSF) ONLY AND POTENTIALLY AT THE TOP OF SLOPE IMMEDIATELY EAST OF THE PROJECT LIMITS.
- BSF SHALL BE SECURED AT ALL TIME.
- PROPOSED SIDEWALK ON STILLMAN STREET AND BSF PAVEMENT SHALL BE COLORED SIMILAR TO EXISTING TEMPORARY TRANSBAY TERMINAL.
- TJPA SHALL INSTALL ELECTROFLUOROPOLYMER ON TOP OF CATENARY.
- EXISTING COLUMNS SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION.

NOTES:

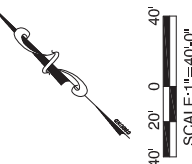
- CATENARY RELOCATED BY OTHERS (SEE GENERAL NOTE 5)
- FEATURE WALL WITH PLANTERS AND LIGHTING
- PEDESTRIAN GATE
- 2'X2' WINE POCKET (TYP. 10' CENTERS)
- ACCESSIBLE PATH WITH RAMP
- LANDSCAPED CORNER AREA
- EXISTING BUS STOP SHELTER TO BE RELOCATED BY OTHERS
- EXISTING SIDEWALK TO REMAIN
- BUS PARKING STALL (TYPICAL)
- EMERGENCY BUS PULL OUT AREA
- GUARD POST
- EXIST HIGH MAST ELECTROFLUOROPOLYMER TO REMAIN
- 4'X4' CURBSIDE CUTOUTS (TYP. 20' CENTERS) FOR LANDSCAPE
- CONTRASTING COLORED PAVEMENT (SEE GENERAL NOTE 4)
- LANDSCAPE AREA
- PROPOSED COLORED SIDEWALK
- UTILITY AND STORAGE ENCLOSURE
- EMPLOYEE PARKING
- TRASH ENCLOSURE
- ADMINISTRATIVE BUILDING (3 MODULAR UNITS)
- OPEN STORAGE AREA (FENCED)
- MAINTENANCE/EMERGENCY ACCESS GATE



PARKING DATA	
PARKING AREA	TOTAL NO. OF STALLS* STALL DIMENSION (WIDTH X LENGTH)
ACT BUS	49 12' X 45'
ACT STAFF	12 9' X 18'

*TOTAL NUMBER OF STALLS INCLUDE DISABLED ACCESSIBLE PARKING STALL AS SHOWN ON PLAN

- LEGEND:
- EXISTING COLUMNS (SEE GENERAL NOTE 6)
 - BUS LINK RAMP (BLR)
 - EXCAVATION AREA
 - MSE WALL
 - SHORT RETAINING WALL (RW)
 - AESTHETIC SOUND WALL (SW) AND RETAINING WALL (RW)
 - AESTHETIC SOUND WALL (SW) PROPOSED COLUMNS/ BRIDGE ABUTMENTS
 - EXISTING SIDEWALK (TO REMAIN)
 - PROPOSED SIDEWALK
 - LANDSCAPE AREA
 - EXISTING FIRE HYDRANT
 - DIRECTION OF TRAFFIC
 - PROPOSED FENCE
 - LANDSCAPE CUTOUT (SIZE VARIES)
 - TREE
 - AC SURFACE



**AC TRANSIT SITE LAYOUT
BUS STORAGE FACILITY**
(PRELIMINARY ENGINEERING - NOT FOR CONSTRUCTION)