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## **PROJECT OVERVIEW**

*The Metro Gold Line Eastside Extension Project is a six-mile, dual track light rail system with eight new stations and one station modification. The system originates at Union Station in downtown Los Angeles, where it connects with the Pasadena Gold Line, traveling generally east to Pomona and Atlantic Boulevards. The system will bridge State Route 101 Freeway and traverse the existing 1<sup>st</sup> Street Bridge over the Los Angeles River. The system will travel south on Alameda Street and then east on 1<sup>st</sup> Street with two stations at Alameda and Utah Streets. East of the Los Angeles River and 1<sup>st</sup> and Utah Streets, the alignment transitions to tunnel for approximately 1.7 miles, and continues beneath 1<sup>st</sup> Street to underground stations at 1<sup>st</sup> Street and Boyle Avenue and 1<sup>st</sup> Street and Soto Street. The alignment returns to the surface near the intersection of 1<sup>st</sup> Street and Lorena Streets, then jogs to the south, transitioning to follow 3<sup>rd</sup> Street with stations at Indiana Street, Ford Boulevard, Mednik Avenue and Pomona and Atlantic Boulevards.*

Construction price bids are due on December 5, 2003 and the bidders will have three business days thereafter to provide Disadvantaged Business Enterprise (DBE) goal forms. Bid opening will occur December 10, 2003.

The critical path for the construction contract(s) begins with the contract award and Notice to Proceed (NTP) date(s) and ending with the Revenue Operations Date (ROD). Contract(s) can be awarded only after the Full Funding Grant Agreement (FFGA) has been executed. The spot report prepared by FTA's Project Management Oversight Consultant (PMOC), was submitted to FTA headquarters on September 26, 2003 for review. The Office of the Secretary of Transportation (OST) is reviewing the FFGA and it is expected that their review will continue through early December 2003. The subsequent review by the Office of Management and Budget (OMB) is expected to conclude in late December 2003.

The next steps in the FFGA process are 60 calendar days for Congressional review and seven calendar days for FTA execution of the FFGA. Based upon the above dates and durations, it is anticipated that an executed FFGA will be received by early March 2004. Therefore, a planned construction NTP would be by late March 2004 and the planned ROD is forecasted to occur in April 2009, based upon the award of a combined bid package. Based upon the award of separate packages, ROD is forecasted to occur in September 2009.

Advanced utility relocations are underway by Adelphia Cable, Los Angeles Department of Water and Power (Power) and SBC. Advanced utility relocations that have completed are Adelphia Cable at the Boyle Heights/Mariachi Plaza Station site and the East Portal sites.

The California Public Utilities Commission met on October 30, 2003 and approved eight of the 47 grade crossing applications. Thirty-three of the 47 applications have passed the 30-day public review period.

## **MANAGEMENT ISSUES**

**New Item (Date Initiated: October 2003)**

FEDERAL TRANSIT ADMINISTRATION (FTA) EXECUTION OF THE FULL FUNDING GRANT AGREEMENT (FFGA)

**Concern/Impact**

MTA is not able to award the construction contracts without receiving a fully executed FFGA. Each day that the FFGA review and approval process is delayed it affects the start of construction, thereby affecting the forecasted Project Revenue Operations Date.

**Status/Action**

MTA continues to meet all the FTA requirements throughout this process.

## PROJECT SCOPE

### **Contract C0802 – 101 Freeway Bridge**

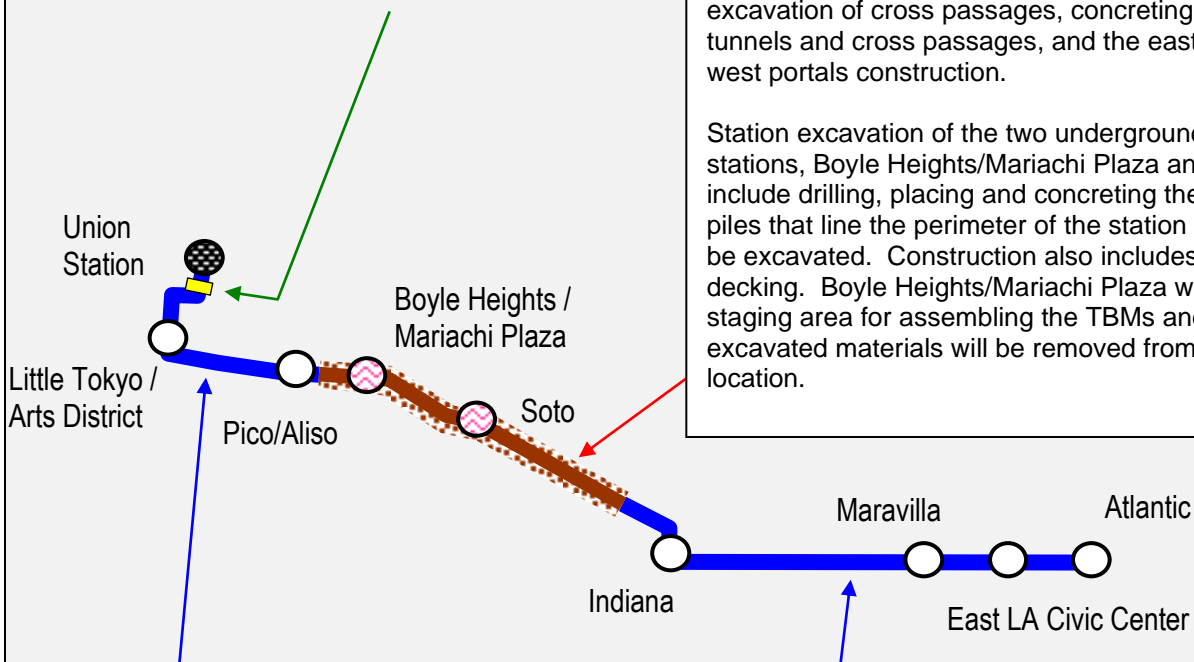
**Overcrossing:** The construction of the bridge will be combined with Caltrans freeway improvements project. While Caltrans will advertise and administer the construction, MTA will remain responsible for the design and construction costs of the bridge overcrossing.

### **Contract C0800 - Tunnel and Station**

**Excavation:** This contract will be design/bid/build. The contractor will be selected utilizing a sealed bid, where the award will be based on the lowest priced technically qualified bid.

The start of tunnel construction is based upon the completion of final design, successful construction award and acquisition of full take real estate parcels. Construction of the 1.7 mile tunnel segment includes tunnel excavation using two Earth Pressure Balance Machines (EPBM) type, excavation of cross passages, concreting of the tunnels and cross passages, and the east and west portals construction.

Station excavation of the two underground stations, Boyle Heights/Mariachi Plaza and Soto, include drilling, placing and concreting the soldier piles that line the perimeter of the station box to be excavated. Construction also includes street decking. Boyle Heights/Mariachi Plaza will be the staging area for assembling the TBMs and all excavated materials will be removed from this location.



**Contract C0801 - Stations, Trackwork, and Systems:** This contract will be design/build. The contractor will be selected utilizing the two-step low bid procurement, following the guidelines set forth in the Federal Acquisition Regulations (FAR) Part 15 and requirements of California Public Utilities Code (CPUC) Section 130242.

The construction of each underground station will occur at the successful completion of the critical tunnel boring work under contract C0800. Construction of the two underground stations includes structural walls, station platforms, mezzanines, station entrances, and plazas, architectural finishes and all related mechanical and electrical work.

All six of the at-grade stations along the six-mile alignment will be constructed under this contract.

This contract includes all the trackwork installation and testing for the entire alignment.

Systems installation and testing is inclusive of power systems, automatic train control, fire and emergency management, TRACS and communications systems. The contractor will be responsible for systems integration testing for the entire line segment prior to pre-revenue operations.

Note: Contract C0803 encompasses work scope of both Contract C0800 and C0801.

**KEY MILESTONE SCHEDULE SIX-MONTH LOOKAHEAD**

|   | Milestone Date | Nov-03 | Dec-03 | Jan-04 | Feb-04 | Mar-04 | Apr-04 |
|---|----------------|--------|--------|--------|--------|--------|--------|
| Price Bids Due - Contracts C0800, C0801 and C0803                         | 12/5/03        |        | ◆      |        |        |        |        |
| DBE Goal Forms Due - Contracts C0800, C0801 and C0803                     | 12/10/03       |        | ◆      |        |        |        |        |
| Price Bid Opening - Contracts C0800, C0801 and C0803                      | 12/10/03       |        | ◆      |        |        |        |        |
| Final Package Submittal to CPUC: Grade Crossings (Batches: 4A, 5, 8 & 13) | 12/19/03*      |        | ◆      |        |        |        |        |
| Caltrans Approve PSR/PR - Cut & Cover at 101 Freeway (C0800)              | 1/30/04*       |        |        | △      |        |        |        |
| Congressional Review/Approval of FFGA                                     | 2/23/04*       |        |        |        | FTA    |        |        |
| Completion of Advanced Utility Relocations                                | 3/1/04         |        |        |        |        | ◆      |        |
| FTA Execute FFGA  | 3/1/04*        |        |        |        |        | FTA    |        |
| MTA Award Construction Contract(s)  | 3/3/04*        |        |        |        |        | ◆      |        |
| MTA Review/Approve of Bonds & Insurance                                   | 3/30/04*       |        |        |        |        | ◆      |        |
| MTA Issue Construction Notice To Proceed(s)                               | 3/30/04*       |        |        |        |        | ◆      |        |
| Contractor Commence Procurement of Tunnel Boring Machines                 | 3/30/04*       |        |        |        |        | ◆      |        |



MTA Staff Milestone



Other Agencies



Eastside LRT Partners Deliverables

\*

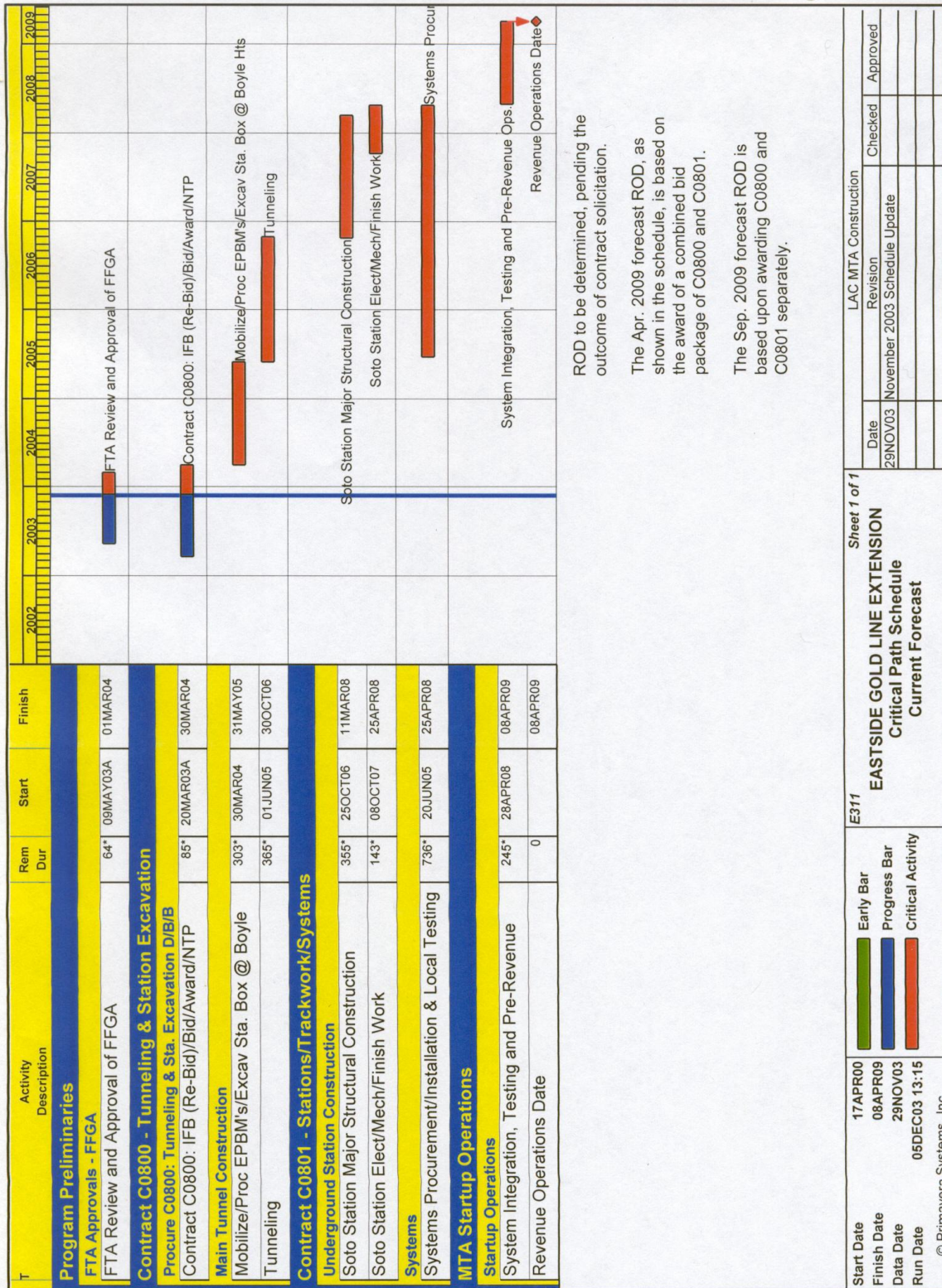
New Date



FTA Approval

MTA Board Approval

## PROJECT MASTER SCHEDULE CRITICAL PATH



## **CRITICAL PATH NARRATIVE**

Construction price bids are due on December 5, 2003 and the bidders will have three business days thereafter to provide Disadvantaged Business Enterprise (DBE) goal forms. Bid opening will occur December 10, 2003.

The critical path for the construction contract(s) begins with the contract award and Notice to Proceed (NTP dates and ending with the Revenue Operations Date (ROD). Contract(s) can be awarded only after the Full Funding Grant Agreement (FFGA) has been executed. The spot report prepared by FTA's Project Management Oversight Consultant (PMOC) was submitted to FTA headquarters on September 26, 2003 for review. The Office of the Secretary of Transportation (OST) is reviewing the FFGA and it is anticipated that their review will continue through early December 2003. The subsequent review by the Office of Management and Budget (OMB) is anticipated to conclude in late December 2003.

The next steps in the FFGA process are 60 calendar days for Congressional review and seven calendar days for FTA execution. Based upon the above dates and durations, it is anticipated that an executed FFGA will be received by early March 2004. Thereafter, a planned construction NTP would occur by late March 2004 and the planned ROD is forecasted to occur in April 2009, based upon the award of a combined bid package. Based upon the award of separate packages, ROD is forecasted to occur in September 2009.

Upon the issuance of Notice To Proceed(s), there will be a 13-month lead time for the procurement of two Earth Pressure Balance Machines (EPBMs). Concurrent with the EPBM procurement, the project will proceed with mobilization, pile installation, and station box excavations. The station box excavations are scheduled to complete prior to the EPBMs delivery.

The critical path continues with EPBMs assemblies, excavation of both tunnels, excavation of crosspassages, and tunnel invert and walkway construction. The critical path then follows Soto underground station construction. The systems equipment installation and local facilities testing is the last stage of the critical path prior to entering the final test stage where systems integration testing and pre-revenue operations are conducted.



## PROJECT COST STATUS

*In \$ Million*

| Description           | Previous<br>Estimated<br>Project Cost | Current<br>Estimated<br>Project Cost | Variance   | Commitments  | Expenditures |
|-----------------------|---------------------------------------|--------------------------------------|------------|--------------|--------------|
| Guideways             | 287.0                                 | 287.0                                | 0.0        | 0.0          | 0.0          |
| Yards & Shops         | 35.6                                  | 35.6                                 | 0.0        | 0.0          | 0.0          |
| Systems/Equipment     | 76.1                                  | 76.1                                 | 0.0        | 0.0          | 0.0          |
| Stations              | 109.4                                 | 109.4                                | 0.0        | 0.0          | 0.0          |
| Vehicles              | 31.7                                  | 31.7                                 | 0.0        | 31.7         | 0.0          |
| Special Conditions    | 55.0                                  | 55.0                                 | 0.0        | 13.0         | 1.6          |
| Right-of-Way          | 53.0                                  | 53.0                                 | 0.0        | 51.0         | 20.8         |
| Professional Services | 145.3                                 | 145.3                                | 0.0        | 62.3         | 49.5         |
| Contingency           | 87.4                                  | 87.4                                 | 0.0        | 0.0          | 0.0          |
| <b>TOTAL</b>          | <b>880.4</b>                          | <b>880.4</b>                         | <b>0.0</b> | <b>158.0</b> | <b>71.9</b>  |



**CHANGE CONTROL STATUS**

| Description                              | A            | B                |            | C           |       | D=A+B+C               | E         |        | F=D+E                 |
|--|--------------|------------------|------------|-------------|-------|-----------------------|-----------|--------|-----------------------|
|  | Award Amount | Approved         |            |             |       | Obligated             | Potential |        | Total Potential Value |
|  |              | Executed Changes |            | LNTPs (NTE) |       | Total Approved Amount | Pending   |        |                       |
|  |              | #                | \$         | #           | \$    |                       |           | #      | \$                    |
| Engineering Design Services              | 18,929,502   | 11               | 12,073,328 | 0           | 0     | 31,002,830            | 0         | 0      | 31,002,830            |
| Environmental Services                   | 912,196      | 4                | 370,005    | 1           | 6,000 | 1,288,201             | 1         | 81,000 | 1,369,201             |
| Design/Build Advisory Panel Services     | 1,059,840    | 0                | 0          | 0           | 0     | 1,059,840             | 0         | 0      | 1,059,840             |
| Construction Management Support Services | 26,598       | 0                | 0          | 0           | 0     | 26,598                | 0         | 0      | 26,598                |
| Project Management Assistance Support    | 166,366      | 7                | 3,256,556  | 0           | 0     | 3,422,922             | 0         | 0      | 3,422,922             |
| Vehicles Consultant                      | 1,717,707    | 0                | 0          | 0           | 0     | 1,717,707             | 0         | 0      | 1,717,707             |
| Light Rail Vehicles Acquisition          | 31,747,734   | 0                | 0          | 0           | 0     | 31,747,734            | 0         | 0      | 31,747,734            |
| TOTAL                                    | 54,559,943   | 22               | 15,699,889 | 1           | 6,000 | 70,265,832            | 1         | 81,000 | 70,346,832            |

## FINANCIAL/GRANT STATUS

in \$ millions

| SOURCE                            | (B)<br>TOTAL<br>FUNDS<br>ANTICIPATED | (C)<br>TOTAL<br>FUNDS<br>AVAILABLE | (D)<br>COMMITMENTS<br>\$ | (D/B)<br>% | (E)<br>EXPENDITURES<br>\$ | (E/B)<br>% | (F)<br>BILLED to FUNDING<br>SOURCE<br>\$ | (F/B)<br>% |
|-----------------------------------|--------------------------------------|------------------------------------|--------------------------|------------|---------------------------|------------|--|------------|
|                                   |                                      |                                    |                          |            |                           |            |  |            |
| FEDERAL - SECTION 5309 NEW START  | 490.7                                | 17.3                               | 82.3                     | 17%        | 17.3                      | 4%         | 17.3                                     | 4%         |
| FED - SECTION 5309 FIXED GUIDEWAY | 23.1                                 |                                    |                          | 0%         |                           | 0%         |  | 0%         |
| FEDERAL - CMAQ                    | 10.3                                 |                                    |                          | 0%         |                           | 0%         |  | 0%         |
| REGIONAL IMPROVMNT PROG-FED       | 179.6                                | 4.6                                | 30.1                     | 17%        | 4.6                       | 3%         | 4.6                                      | 3%         |
| REGIONAL IMPROVM PROG-STATE       | 0.6                                  | 0.6                                | 0.6                      | 100%       | 0.6                       | 100%       | 0.6                                      | 100%       |
| STATE TCRP                        | 45.0                                 | 45.0                               | 45.0                     | 100%       | 42.7                      | 95%        | 42.6                                     | 95%        |
| PROP A 35% / PROP C 40% BONDS     | 121.0                                |                                    |                          | 0%         |                           | 0%         |  | 0%         |
| LEASE REVENUES                    | 10.1                                 |                                    |                          | 0%         |                           | 0%         |  | 0%         |
| UNBILLED ACCRUALS                 |                                      | 6.8                                |                          |            | 6.8                       |            |  |            |
| SUB-TOTAL                         | 880.4                                | 74.2                               | 158.0                    | 18%        | 71.9                      | 8%         | 65.0                                     | 7%         |
| PROP A/PROP C (INTEREST COST)     | 18.4                                 | 0.0                                | 0.0                      | 0%         | 0.0                       | 0%         | 0.0                                      | 0%         |
| TOTAL                             | 898.8                                | 74.2                               | 158.0                    | 18%        | 71.9                      | 8%         | 65.0                                     | 7%         |

(1) Based on August 03 Adopted Short Range Transportation Plan (includes interest cost)  
 NOTE: EXPENDITURES ARE CUMULATIVE THROUGH OCTOBER 2003.

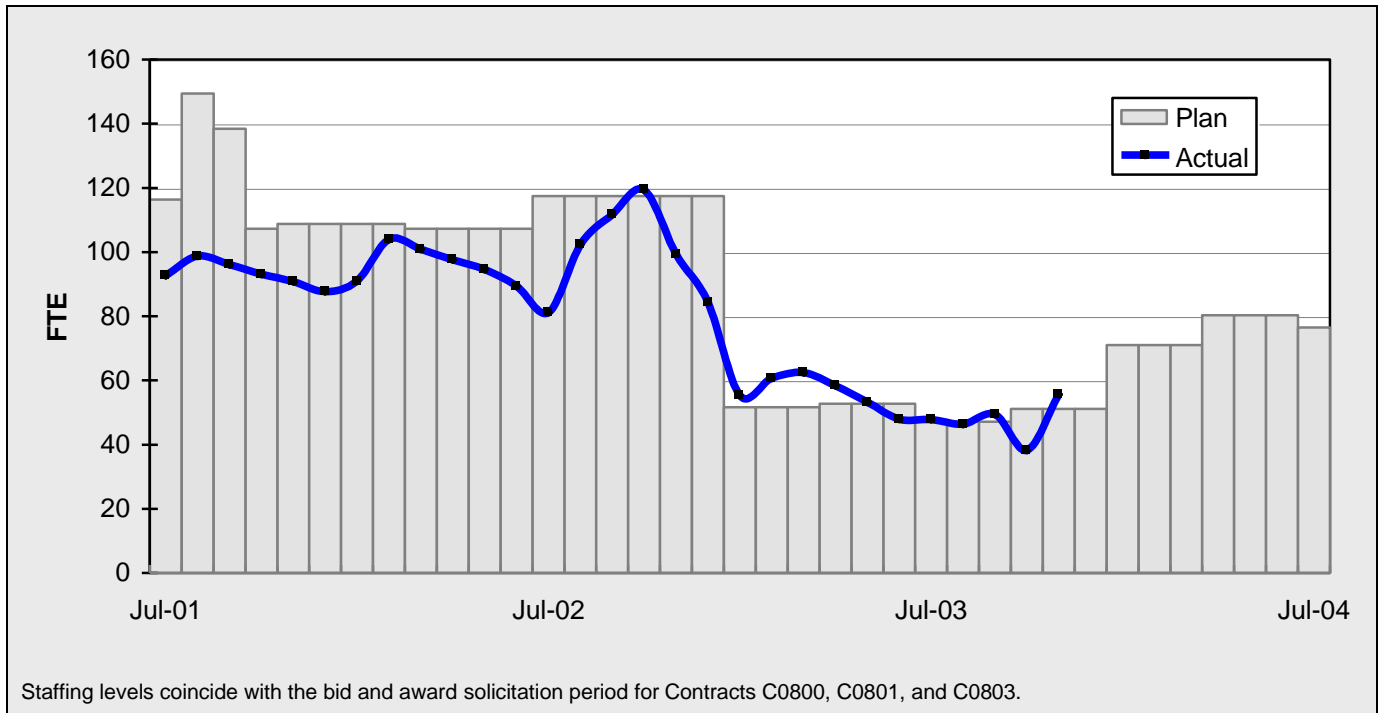
## STATUS OF FUNDS ANTICIPATED

**FEDERAL SECTION 5309:** MTA submitted a grant amendment application CA-03-0508-04 for \$3,934,330 on April 18, 2003. Funds were available for draw down as of June 2003.

**STATE TCRP:** On April 3, 2003 the California Transportation Commission approved MTA's request to amend the STIP to convert \$191 million of unallocated TCRP funds to STIP funds. On August 25, 2003, MTA submitted a request for AB1335 Letter of No Prejudice (LONP) authority for Phase 4 construction activities. The LONP is scheduled for approval at the December 2003 CTC Meeting.

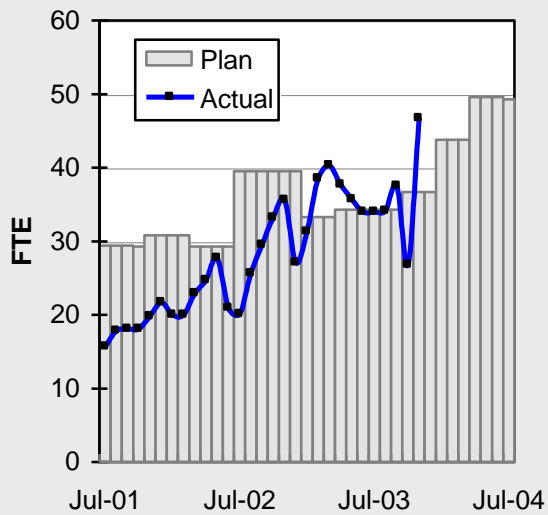
## STAFFING STATUS

### TOTAL PROJECT STAFFING

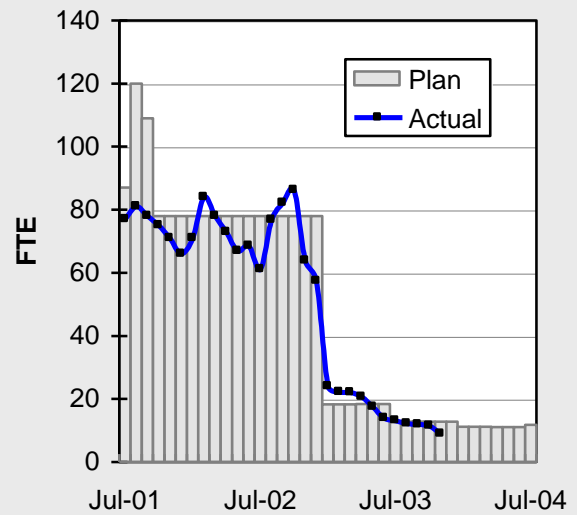


## STAFFING STATUS

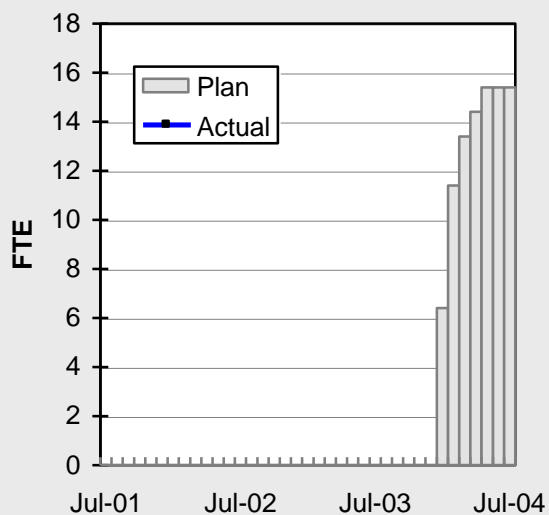
**AGENCY STAFFING**



**ELRT PARTNERS**



**CONSTRUCTION MANAGEMENT**



### REAL ESTATE STATUS

- For C0800, the tunnel portion of the alignment, 43 parcels are required for acquisition (10 full takes, 16 sub-surface easements, 8 part takes, 5 sub-surface easements/building protection, 2 building protections, 1 street vacation and 1 permit from Caltrans which will be coordinated through MTA's Third Party Coordination).
- For C0801, the at-grade portion of the alignment, 35 parcels are required for acquisition (19 full takes, 9 partial takes, 3 street vacations, 2 access closures, and 2 permits required from Caltrans which will be coordinated through the MTA's Third Party Coordination office). Nine parcels have been identified for the proposed Ramona High School site reconfiguration.
- For C0802, 3 parcels are required (2 surface easements and 1 full take parcel).
- Seventy-two parcels have been certified, 40 for C0800, 30 for C0801 and 2 for C0802. Offers have been made to 31 property owners. A total of 14 parcels have been acquired (8 under C0800, 5 under C0801, and 1 under C0802). Four parcels are in condemnation and Real Estate is in negotiations with the other property owners.

### REAL ESTATE ACQUISITION SCHEDULE SUMMARY

| <i>Number of<br/>Parcels</i> | Required | Acquired | On<br>Schedule | Behind Schedule |                       |
|------------------------------|----------|----------|----------------|-----------------|-----------------------|
|                              |          |          |                | Number          | Avg. Calendar<br>Days |
| This Period                  | 81       | 14       | 67             | 0               | 0                     |
| Last Period                  | 81       | 14       | 67             | 0               | 0                     |

### REAL ESTATE STATUS TO DATE BY CONTRACT

Actual Parcels

| Contract             | No. of<br>Parcels | Certified | Just Comp<br>Approved | Offers Made | Agreements<br>Signed | Condemnation | Parcels<br>Available | Parcels<br>projected to be<br>unavailable by<br>need date |
|----------------------|-------------------|-----------|-----------------------|-------------|----------------------|--------------|----------------------|---|
| C0800                | 43                | 40        | 16                    | 15          | 9                    | 4            | 8                    | 0   |
| C0801                | 35                | 30        | 10                    | 14          | 6                    | 0            | 5                    | 0   |
| C0802                | 3                 | 2         | 2                     | 2           | 1                    | 0            | 1                    | 0   |
| <b>TOTAL</b>         | 81                | 72        | 28                    | 31          | 16                   | 4            | 14                   | 0   |
| Last Period<br>Total | 81                | 63        | 28                    | 31          | 16                   | 4            | 14                   | 0   |

## **ENVIRONMENTAL STATUS**

- Finalized Urgent and Emergency Services Contract Work Order.

## **COMMUNITY RELATIONS STATUS**

- Coordinated public outreach events with community representatives to facilitate public interest in the Metro Gold Line Eastside Extension Project.
- Conducted meetings with business owners to discuss pre-construction activities impact mitigation.
- Continued education campaign on advanced utility relocation and circulated construction notices on active relocations.
- Completed pre-construction surveys.

## **QUALITY ASSURANCE STATUS**

- Conducted periodic field monitoring and reporting to support advanced utility relocations.
- Continued work on a draft Project Quality Management Plan.

## **SAFETY STATUS**

- Participated in bi-weekly progress meetings with MTA Construction Management to discuss safety related issues and construction schedule.
- Participated in weekly meetings with the Department of Water and Power (DWP) and the Gas Company regarding utility relocations.
- Monitored utility relocation activities to ensure safety compliance.

## THIRD PARTY AGREEMENT STATUS

| Third Party             | Type of Agreement | Forecast Execution Date | Required Need Date | Status/<br>Comments   |
|-------------------------|-------------------|-------------------------|--------------------|---|
| City of Los Angeles     | Amendment         | Complete                | N/A                | Fully executed on 12/23/02.   |
| Los Angeles County      | Master            | Complete                | N/A                | Execution completed 4/1/03.   |
| Caltrans (All Projects) | Master            | Complete                | N/A                | MTA execution completed 5/7/03. Full execution by Caltrans occurred in July.  |
| Caltrans (101)          | Design            | Complete                | N/A                | MTA execution completed by 5/7/03. Full execution by Caltrans occurred in July.   |
| Caltrans (101)          | Construction      | Complete                | N/A                | MTA execution completed 6/16/03. Full execution by Caltrans occurred in September.  |
| Caltrans (101)          | Maintenance       | 4/04                    | 6/07               | Initial negotiation meeting on 1/9/03 resulted in MTA's recommendation to use the existing agreement with a similar San Diego system. The San Diego agreement was forwarded to MTA on 1/29/03. MTA received a draft from Caltrans on 4/10/03. MTA returned the agreement to Caltrans on 4/22/03 with comments. After a negotiation meeting held on 7/29/03, a draft agreement from Caltrans was anticipated to be forwarded to MTA on 8/1/03 for review. Not received as of 11/30/03. |
| LADWP (Water)           | Amendment         | 2/04                    | 3/04               | The revised draft amendment was hand delivered to LADWP on 11/19/03. LADWP requested a meeting on 12/3/03 with MTA management.  |
| LADWP (Power)           | Amendment         | 2/04                    | 3/04               | LADWP agrees to work under the previous MCA until an amendment is executed. The revised draft amendment was hand delivered to LADWP on 11/19/03. LADWP requested a meeting on 12/3/03 with MTA management.  |
| So. Cal. Edison Co.     | Amendment         | 2/04                    | 3/04               | The revised draft amendment was hand delivered to SCE on 11/19/03.  |
| The Gas Company         | Amendment         | 2/04                    | 3/04               | The Gas Co. will continue to work under the existing agreement until an amendment is executed. The revised draft amendment was hand delivered on 11/19/03. MTA and Gas Co. management will meet on 12/9/03.   |



**THIRD PARTY AGREEMENT STATUS (Continued)**

| <b>Third Party</b>               | <b>Type of Agreement</b> | <b>Forecast Execution Date</b> | <b>Required Need Date</b> | <b>Status/ Comments</b>  |
|----------------------------------|--------------------------|--------------------------------|---------------------------|--|
| Pacific Bell                     | Amendment                | 2/04                           | 3/04                      | The revised draft amendment was hand delivered to SBC on 11/19/03.   |
| Adelphia Cable Company           | Amendment                | 2/04                           | 3/04                      | The revised draft amendment was hand delivered to Adelphia Cable on 11/19/03.  |
| California Water Service Company | Master                   | 3/04                           | 3/04                      | MTA sent the revised draft amendment by overnight mail on 11/19/03.  |
| L.A.County Sanitation Districts  | N/A                      | Complete                       | 3/04                      | Sanitation District letter dated 3/26/03 stated no need for an agreement since there are no relocations necessarily related to their facilities. They will review the submittals related to encasement for their facility on Indiana Street. |
| MCI Worldcom                     | Amendment                | 2/04                           | 3/04                      | MTA sent the revised draft amendment by overnight mail on 11/19/03.  |
| Metropolitan Water District      | Amendment                | Complete                       | 3/04                      | 1/7/03 meeting resulted in using the existing agreement. A letter was sent to MWD on 4/1/03 for their concurrence. Concurrence was executed by MWD on 4/21/03 and received on 5/12/03.   |
| Verizon Wireless                 | Amendment                | 3/04                           | 3/04                      | The revised draft amendment was hand delivered to Verizon on 11/19/03.   |
| AT&T Local Services              | Amendment                | 3/04                           | 3/04                      | The revised draft amendment was hand delivered to AT&T on 11/19/03.  |
| GST                              | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction   |
| Exxon Mobil Oil Company          | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction   |
| Pacific Pipeline Company         | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction   |

**THIRD PARTY AGREEMENT STATUS (Continued)**

| <b>Third Party</b>             | <b>Type of Agreement</b> | <b>Forecast Execution Date</b> | <b>Required Need Date</b> | <b>Status/ Comments</b>                              |
|--------------------------------|--------------------------|--------------------------------|---------------------------|--|
| Kinder Morgan Pipeline Company | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction |
| Tosco Refining Company         | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction |
| Equilon Pipeline Company       | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction |
| Level 3 Communications         | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction |
| Broadwing Communications       | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction |
| Eller Media                    | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction |
| Quest-SP Telecom               | N/A                      |                                |                           | Facilities are not impacted by Eastside Construction |

## CPUC CROSSING SUMMARY

| CPUC Crossing Summary |             |                                  |                          |                             |                       |  |                                |                     |
|-----------------------|-------------|----------------------------------|--------------------------|-----------------------------|-----------------------|--|--------------------------------|---------------------|
| Batch                 | Status      | Initial Package Submittal to MTA | Field Diagnostic Meeting | Revised Drawings Due to MTA | Draft Write-up to MTA | Draft Package Submittal to PUC Local office and Agencies | Final Package Submittal to PUC | CPUC Final Approval |
| 1                     | Complete    | 8/5/02                           | 8/12/02                  | 8/26/02                     | 9/6/02                | 9/6/02   | 9/6/02                         | Approved            |
| 2                     | Complete    | 10/4/02                          | 10/11/02                 | 10/25/02                    | 11/6/02               | 11/22/02   | 11/22/02                       | Approved            |
| 3                     | Complete    | 2/6/03                           | 2/27/03                  | 3/10/03                     | 1/27/03               | 4/11/02  | 4/18/03                        | Approved            |
| 4                     | Completed   | 12/14/02                         | 1/15/03                  | 1/29/03                     | 11/13/02              | 5/5/03   | 6/18/03                        |                     |
| 4A                    | In Progress | 1/24/03                          | 1/29/03                  | 3/14/03                     | 2/7/03                | 9/5/03   | 12/18/03                       |                     |
| 5                     | On-hold     | 3/19/03                          | 8/29/03                  | 9/30/03                     | 2/28/03               | On -hold   | On-hold                        |                     |
| 6                     | Complete    | 3/19/03                          | 3/26/03                  | 6/20/03                     | 2/7/03                | 9/5/03   | 9/12/03                        |                     |
| 7                     | Complete    | 12/11/02                         | 12/18/02                 | 3/31/03                     | 2/7/03                | 5/5/03   | 7/25/03                        |                     |
| 8                     | In Progress | 11/26/02                         | 12/18/02                 | 3/31/03                     | 11/15/02              | 6/6/03   | 12/19/03                       |                     |
| 9                     | Complete    | 1/20/03                          | 1/29/03                  | 3/31/03                     | 11/22/02              | 8/29/03  | 9/12/03                        |                     |
| 10                    | Complete    | 12/11/03                         | 12/18/02                 | 3/10/03                     | 11/22/02              | 5/5/03   | 8/29/03                        |                     |
| 11                    | Complete    | 2/13/03                          | 2/27/03                  | 4/18/03                     | 12/6/02               | 6/6/03   | 8/29/03                        |                     |
| 12                    | Complete    | 2/13/03                          | 2/27/03                  | 4/18/03                     | 12/13/02              | 6/6/03   | 9/5/03                         |                     |
| 13                    | In Progress | 2/6/03                           | 2/20/03                  | 4/18/03                     | 2/21/03               | 6/6/03   | 12/19/03                       |                     |
| 14                    | Completed   | 1/8/03                           | 1/15/03                  | 3/14/03                     | 11/12/02              | 8/29/03  | 10/30/03                       |                     |
| 15                    | Complete    | 2/26/03                          | N/A                      | N/A                         | 2/21/03               | 6/6/03   | 8/29/03                        |                     |
| 16                    | Complete    | 2/26/03                          | N/A                      | N/A                         | 2/28/03               | 6/6/03   | 8/29/03                        |                     |
| 17                    | Complete    | 1/8/03                           | 1/15/03                  | N/A                         | 2/14/03               | 5/5/03   | 6/13/03                        | Approved            |
| 18                    | Complete    | 1/8/03                           | 1/15/03                  | 3/20/03                     | 2/14/03               | 5/5/03   | 6/13/03                        | Approved            |
| Agency Responsible    |             | ELRTP                            | MTA                      | ELRP                        | ELRTP                 | MTA  | MTA                            |                     |

Five Batches representing seven crossings have been fully approved by CPUC on Oct. 30th. This represents the CPUC approving of a street running light rail system. While three batches were submitted initially last year, two of the five batches were submitted this Spring and Summer and took less than six months for approval. MTA and CPUC met in September to request a speedier review process. CPUC staff has been added and dedicated specifically for this project.

CPUC has requested additional information on Batches 8 & 13. Additional information was submitted, and CPUC to provide opinion on initial design by 12/10/03. Supplemental information has been submitted for Batch 4 and will be submitted for Batch 7 as well.

| Batch Descriptions |                                       |    |  |
|--------------------|---------------------------------------|----|--|
| 1                  | 1st / Alameda                         | 10 | 3rd / Ford                                 |
| 2                  | Alameda / Temple                      |    | 3rd / McDonnel                             |
|                    | 1st / Hewitt                          |    | 3rd / Arizona                              |
|                    | Ped Crossings @ 1st / Alameda Station | 11 | 3rd / Mednik                               |
| 3                  | 1st / Vignes                          |    | 3rd / Civic Center Drive                   |
| 4                  | 1st / Lorena                          |    | 3rd / La Verne                             |
| 4A                 | Indiana/1st & Indiana/3rd             |    |  |
| 5                  | Ducommun / Hewitt                     | 12 | 3rd / Drveways to Sherriff's Station       |
|                    | Ducommun / Garey                      |    | 3rd / Wood / Via Corona / Pomona / Beverly |
|                    | Ducommun / Vignes                     |    | Pomona/Atlantic                            |
|                    | Ducommun / Center                     | 13 | 3rd / 60 Fwy WB Connector                  |
| 6                  | 1st / Mission                         |    | 3rd / 60 Fwy over ELRT                     |
|                    | 1st / Anderson                        |    | 3rd / 710 Fwy SW Connector                 |
|                    | 1st / Clarence                        |    | 3rd / Bridge over 710 Fwy                  |
|                    | 1st / Utah                            |    | 3rd / 710 Fwy SE Connector                 |
| 7                  | 3rd / Ditman                          | 14 | Union Station Service Road                 |
|                    | 3rd / Rowan                           | 15 | 1st / Santa Fe                             |
| 8                  | 3rd / Gage                            |    | 1st / Myers                                |
|                    | 3rd / 60 Fwy WB Ramps                 | 16 | 1st / MTA                                  |
|                    | 3rd / Downey                          |    | 1st / BNSF                                 |
| 9                  | 3rd / Marianna                        |    | 1st / Union Pacific                        |
|                    | 3rd / Eastern                         | 17 | US 101 Fwy Overcrossing                    |
|                    | 3rd / 710 SB On-Ramp                  | 18 | Commercial Street Overcrossing             |

## FFGA APPLICATION DOCUMENT CHECKLIST SUPPORTING DOCUMENTS

| DOCUMENT                                  | AGENCY   | STATUS/COMMENTS   |
|---|----------|---|
| Value Engineering                         | MTA      | Complete.   |
| Record of Decision/FONSI                  | FTA      | Complete.   |
| Quality Management Plan                   | MTA      | FTA approved for current stage.   |
| FSTIP Approval                            | SCAG     | Complete. Included in 10/4/02 FSTIP.  |
| Annual Certifications/ Assurances         | MTA      | Complete.   |
| Financing Plan                            | MTA      | Submitted to FTA for review.  |
| Rail Fleet Management Plan                | MTA      | FTA approved for current stage.   |
| Bus Fleet Management Plan                 | MTA      | FTA approved for current stage.   |
| Real Estate Acquisition Plan              | MTA      | FTA approved plan.  |
| Submit System Safety Program Plan to CPUC | MTA      | Revised plan was submitted to the CPUC and finalized.                                 |
| Department of Labor (13c) Certification   | DOL      | Complete.   |
| Civil Rights Program Review               | FTA      | Entered grant in TEAM. Waiting for approval.  |
| Before and After Study Plan               | MTA      | MTA working with FTA on final version.  |
| Risk Assessment                           | MTA      | Complete.   |
| Spot Report (as needed)                   | FMO/PMOC | Final PMOC Spot Report issued on 9/23/03 and Final FMO Spot Report issued on 9/24/03. |
| Project Management Plan                   | MTA      | FTA approved plan for inclusion in FFGA.  |

## FFGA APPLICATION DOCUMENTS

| DOCUMENT   | AGENCY | STATUS/COMMENTS   |
|--|--------|---|
| Part I – Full Funding Grant Agreement  | FTA    | Final Part 1 sent to Region IX.   |
| Attachment 1 – Scope of Project  | MTA    | Final attachment submitted to Region IX.  |
| Attachment 1A – Project Map  | MTA    | Final attachment submitted to Region IX.  |
| Attachment 2 – Project Description   | MTA    | Final attachment submitted to Region IX.  |
| Attachment 3 – Baseline Cost Estimate  | MTA    | Final attachment submitted to Region IX.  |
| Attachment 3A – Project Budget   | MTA    | Final attachment submitted to Region IX.  |
| Attachment 4 – Baseline Schedule   | MTA    | Final attachment submitted to Region IX.  |
| Attachment 5 – Schedule of Prior Grants and Related Documents                              | MTA    | Final attachment submitted to Region IX.  |
| Attachment 6 – Schedule of Capital New Starts Funds  | MTA    | Final attachment submitted to Region IX.  |
| Attachment 7 – Measures to Mitigate Environmental Impacts                                  | MTA    | Final attachment submitted to Region IX.  |
| Attachment 8 – Before and After Study  | MTA    | FTA approved plan. Final attachment submitted to Region IX.   |
| Region IX to HQ FFGA Recommendation Memo   | FTA    | Complete.   |
| Submittal of paper grant application (5309) and TEAM application (Part II – FFGA included) | MTA    | TEAM applications CA-90-Y056-01 and CA-03-0508-05 submitted for FTA approval. CA-03-0661 pending TEAM submission. |

## FFGA EXECUTION PROCESS

| DOCUMENT   | AGENCY   | TARGET DATE | STATUS/COMMENTS |
|--|----------|-------------|-----------------|
| FTA letter to Congress                           | FTA      | 12/03       |                 |
| Congressional Review                             | Congress | 12/03-2/04  |                 |
| Environmental Permits & Biological Determination | TBD      | TBD         | TBD if needed   |
| FTA Approval Letter to Grantee                   | FTA      | 3/04        |                 |
| Review/Execution of FFGA                         | FTA      | 3/04        |                 |

## CONTRACT P2550 STATUS

|  |   |                         |                |                  |           |              |
|--|---|-------------------------|----------------|------------------|-----------|--------------|
| <b>Description: 2550 Rail Vehicle Program</b>  | <b>Contract No.: P2550</b>  |                         |                |                  |           |              |
| <b>Contractor: AnsaldoBreda, Italy</b>   | <b>MTA Project: 800151</b>  |                         |                |                  |           |              |
|  | <b>Status as of: November 30, 2003</b>  |                         |                |                  |           |              |
| <b>Progress/Work Completed:</b><br><br>Completed Milestone 2A<br>In November the MTA Integrated Project Team (IPT) reviewed Contractor submittals and the subcontracts for the major sub assembly suppliers.<br>The MTA IPT November accomplishments:<br>1. Contractor signed lease for the Pittsburg, California 2550 assembly facility.<br>2. Introduced communication enhancements through ProjectQuest.<br>3. Reviewed & preliminarily approved the 2550 LRV Automatic Train Protection configuration with Contractor and subcontractor.<br>4. Door supplier and equipment design agreed upon in principle with Contractor.<br>5. Project meeting in Los Angeles with AnsaldoBreda, Vendor's, & MTA staff.<br>6. Developed MTA 1-month, 3-month, and 12-month "Look-Ahead" schedule to track Contractor against the approved Contract schedule.<br>7. Initiated development of the MTA Safety Certification Plan.<br><b>Areas of Concern:</b><br>Finalizing wheel design and vendor. | <b>Major Activities (In Progress):</b><br><br>· Contractor has continued the Milestone 3A & 4A work.<br><b>Major Activities Next Period:</b><br><br>· Continue the completion of Milestone 2A (see Table A of Contract Milestone Payments) delivery of copies of subcontracts for:<br>· Air Conditioning                      · Automatic Train Control<br>· Braking                                      · Truck Frame<br>· Door Controls<br><br>· Complete all deliverable items listed under Milestone 3A (see Table A of Contract Milestone Payments) for the approval of vehicle cross-section drawings and vehicle static and dynamic clearance drawings.<br><br>· Contractor Milestone 2A & 3A payments adjustment consistent with the demonstrated level of progress. Technical and commerical data continues to be delivered and weekly teleconference meetings established to monitor technical design and production development of the 2550 rail vehicles.<br><br>· |                         |                |                  |           |              |
| <b>Schedule Summary:</b><br><br><br><br><br><br><br><br><br><br>Date of Award: 04/24/03<br>Notice to Proceed: 06/06/03<br><br>Original Contract Duration: 1460 CD<br>Current Contract Duration: 1460 CD<br>Elapsed Time from NTP: 177 CD<br>Option 1 & 2 Contract duration 1460 CD**<br>** after starting options 1 & 2  |   | Original Contract Dates | Time Extension | Current Contract | Forecast  | Variance CDs |
|  | Notice to Proceed   | 06/06/03                | 0              | 6/06/03A         | 6/06/03A  | 0            |
|  | Milestone 1A - Approval of Engineering Production Plan  | 08/08/03                | 0              | 12/08/03         | 10/15/03A | 0            |
|  | Milestone 2A - Approval of Contractor's Prelim. 13 weeks schedule   | 09/05/03                | 0              | 11/20/03         | 12/15/03  | 0            |
|  | Milestone 14A - Acceptance of two First Article Vehicles  | 12/02/05                | 0              | 12/02/05         | 12/02/05  | 0            |
|  |   |                         |                |                  |           |              |
| <b>Physical Percent Complete:</b><br><br>Physical completion as of November 2003 is 10.3%.   | <b>Cost Summary:</b> \$ In millions<br><br>1. Award Value: 158.74<br>(Metro Gold Line Eastside Ext Only: 31.75)<br>2. Executed Modifications: 0.00<br>3. Approved Change Orders: 0.00<br>4. Current Contract Value (1 + 2 + 3): 158.74<br>5. Pending Changes: 0.00<br>6. Incurred Cost: 0.00  |                         |                |                  |           |              |



## **ADVANCED UTILITY RELOCATIONS**



## **ADVANCED UTILITY RELOCATIONS**





## **CURRENT PROJECT RENDERINGS**



Computerized Rendering of Proposed  
Metro Gold Line Eastside Extension  
Guideway Bridge at the 101 Freeway



Little Tokyo/Arts District Station

## **CURRENT PROJECT RENDERINGS**

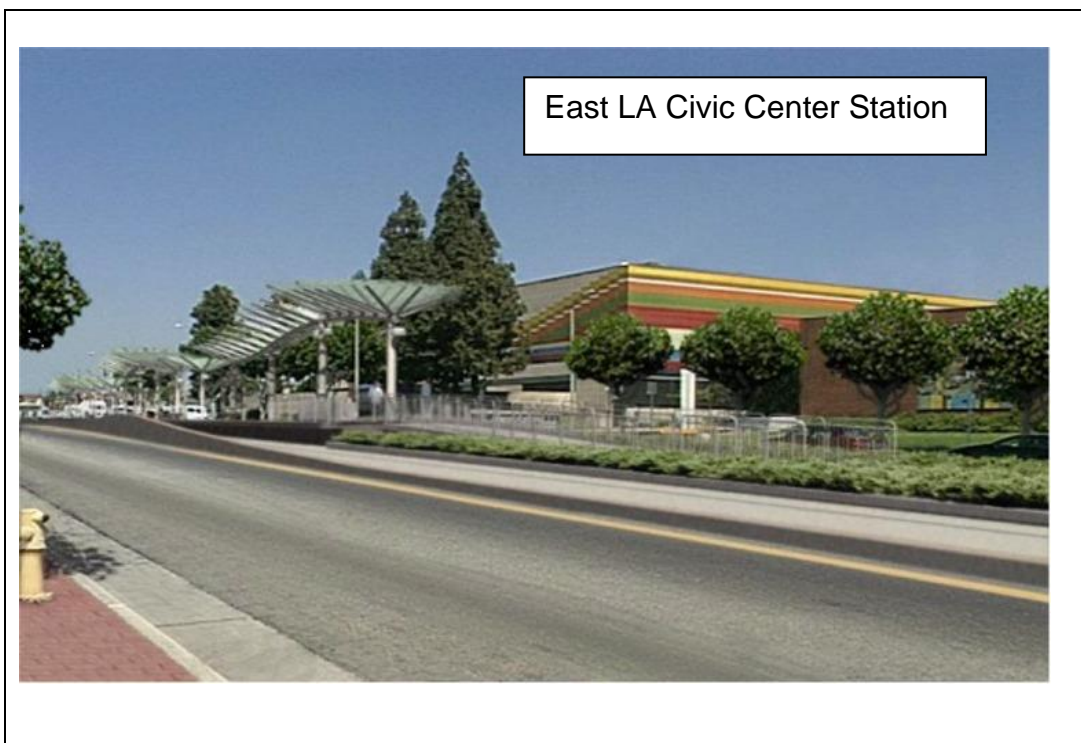




## **CURRENT PROJECT RENDERINGS**



## **CURRENT PROJECT RENDERINGS**



## **APPENDIX**

### **COST AND BUDGET TERMINOLOGY**

**ESTIMATED PROJECT COSTS:** Estimated project costs are based upon the current project cost estimates that are produced during the engineering design phase.

**COMMITMENTS:** The total of actual contract awards, executed change orders or amendments, approved work orders of Master Cooperative Agreements, offers accepted for purchase of real estate, and other LACMTA actions that will result in specific expenditures at a future time.

**INCURRED COST:** The total value of work performed to date of services received, and acquired materials or properties.

**EXPENDITURES:** The total dollar amount of checks written by LACMTA's Accounting department for contractor or consultant invoices, third party invoices, staff salaries, and closing payments for escrow accounts that is reported in LACMTA's Financial Information System (FIS).

**CONSTRUCTION:** Includes guideways, yards and shops, systems equipment, stations, and vehicles.

**PROFESSIONAL SERVICES:** Includes general engineering, construction management services, consultant design support services during construction, legal counsel, and agency (MTA staff) costs.

**RIGHT-OF-WAY:** Includes real estate appraisals, purchase cost of parcels, easements, right-of-entry permits, escrow fees, and tenant relocation.

**UTILITY/AGENCY FORCE ACCOUNT:** Includes work by outside agencies and utilities in design coordination and review.

**CONTINGENCY:** A fund established at the beginning of a project to provide for anticipated but unknown additional costs that may arise during the course of the project.

**SPECIAL CONDITIONS:** Includes utilities relocation, environmental compliance and mitigation, master cooperative agreements, insurance program, artwork, systems integration testing and pre-revenue operations.



## **APPENDIX LIST OF ACRONYMS**

|          |  |
|----------|--|
| AFE      | Authorization For Expenditure                            |
| ATC      | Automatic Train Control                                  |
| CADD     | Computer Aided Drafting and Design                       |
| CALTRANS | California Department of Transportation                  |
| CD       | Calendar Day   |
| CM       | Construction Manager                                     |
| CMAC     | Congestion Mitigation Air Quality                        |
| CN       | Change Notice  |
| CO       | Change Order   |
| CPM      | Critical Path Method                                     |
| CPUC     | California Public Utilities Commission                   |
| CR       | Camera Ready   |
| CTC      | California Transportation Commission                     |
| CUD      | Contract Unit Description                                |
| DB       | Design/Build   |
| DBB      | Design/Bid/Build   |
| DD       | Design Development                                       |
| DOT      | Department of Transportation                             |
| DWP      | Department of Water and Power                            |
| EIR      | Environmental Impact Report                              |
| EIS      | Environmental Impact Statement                           |
| EPBM     | Earth Pressure Balance Machine                           |
| ESP      | Eastside LRT Partners                                    |
| FAR      | Federal Acquisition Regulation                           |
| FD       | Final Design   |
| FEIS     | Final Environmental Impact Statement                     |
| FEIR     | Final Environmental Impact Report                        |
| FFGA     | Full Funding Grant Agreement                             |
| FIS      | Financial Information System                             |
| FSEIR    | Final Supplemental Environmental Impact Report           |
| FSEIS    | Final Supplemental Environmental Impact Statement        |
| FTA      | Federal Transit Administration                           |
| FTE      | Full Time Equivalent                                     |
| GDSR     | Geotechnical Design Summary Report                       |
| IFB      | Invitation for Bid                                       |
| IPO      | Integrated Project Office                                |
| JV       | Joint Venture  |
| LA       | Los Angeles  |
| LABOE    | Los Angeles Bureau of Engineering                        |
| LACFCD   | Los Angeles County Flood Control District                |
| LACMTA   | Los Angeles County Metropolitan Transportation Authority |
| LADOT    | Los Angeles Department of Transportation                 |

**APPENDIX  
LIST OF ACRONYMS (Continued)**

|       |  |
|-------|--|
| LADPW | Los Angeles Department of Public Works           |
| LADWP | Los Angeles Department of Water and Power        |
| LAUSD | Los Angeles Unified School District              |
| LNTP  | Limited Notice To Proceed                        |
| LONP  | Letter Of No Prejudice                           |
| LRT   | Light Rail Transit                               |
| LRTP  | Long Range Transportation Plan                   |
| LRV   | Light Rail Vehicle                               |
| MIS   | Major Investment Study                           |
| MPSR  | Monthly Project Status Report                    |
| MTA   | Metropolitan Transportation Authority            |
| N/A   | Not Applicable                                   |
| NEPA  | National Environmental Protection Act            |
| NPDES | National Pollution Discharge Elimination System  |
| NTE   | Not to Exceed                                    |
| NTP   | Notice To Proceed                                |
| OCIP  | Owner-Controlled Insurance Program               |
| P3    | Primavera Project Planner® (scheduling software) |
| PC    | Project Control                                  |
| PE    | Preliminary Engineering                          |
| PEER  | Permit Engineering Evaluation Report             |
| PGL   | Pasadena Gold Line                               |
| PIP   | Project Implementation Plan                      |
| PM    | Project Manager                                  |
| PMA   | Project Management Assistance                    |
| PMIP  | Project Management Implementation Plan           |
| PMOC  | Project Management Oversight Consultant          |
| PMP   | Project Management Plan (manual)                 |
| P&P   | Policies & Procedures                            |
| PR    | Project Report                                   |
| PSR   | Project Study Report                             |
| QA    | Quality Assurance                                |
| QAR   | Quality Assurance Report                         |
| QC    | Quality Control                                  |
| QPSR  | Quarterly Project Status Report                  |
| RAC   | Review Advisory Committee                        |
| RAG   | Rail Activation Group                            |
| RFC   | Request For Change                               |
| RFP   | Request For Proposal                             |
| ROD   | Record Of Decision                               |
| ROD   | Revenue Operations Date                          |
| ROM   | Rough Order of Magnitude                         |

**APPENDIX  
LIST OF ACRONYMS (Continued)**

|        |   |
|--------|---|
| ROW    | Right-Of-Way  |
| SCAQMD | Southern California Air Quality Management District |
| SCE    | Southern California Edison                          |
| SCRRA  | Southern California Regional Rail Authority         |
| SHA    | State Highway Account                               |
| SHPO   | State Historic Preservation Office                  |
| SIT    | System Integration Testing                          |
| SOV    | Schedule Of Value                                   |
| SOW    | Statement Of Work                                   |
| SP     | Special Provision                                   |
| STIP   | State Transportation Improvement Program            |
| STP    | Surface Transportation Program                      |
| TBD    | To Be Determined                                    |
| TBM    | Tunnel Boring Machine                               |
| TCRP   | Traffic Congestion Relief Program                   |
| TPSS   | Traction Power Substation                           |
| TRACS  | Transit Automatic Control System                    |
| UFS    | Universal Fare System                               |
| USDOT  | U.S. Department Of Transportation                   |
| VE     | Value Engineering                                   |
| WBS    | Work Breakdown Structure                            |
| WP     | Work Package  |