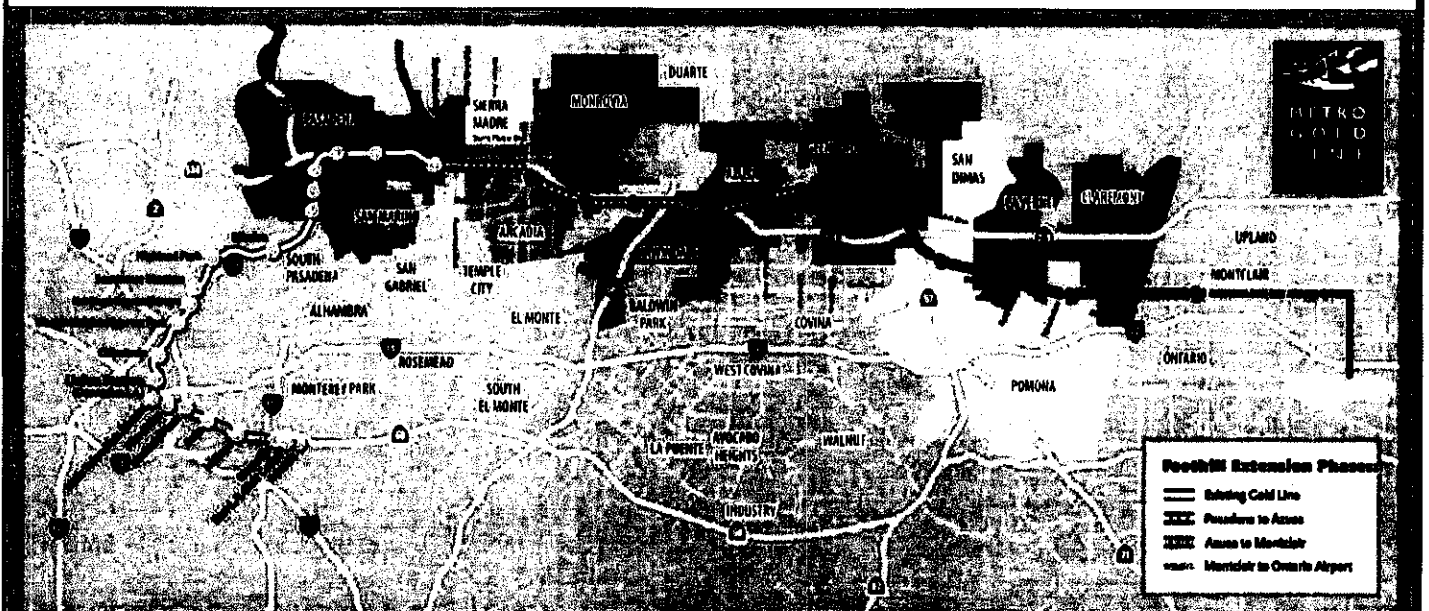


# Metro Gold Line Foothill Extension Project

## Monthly Project Status Report

August 2011



Metro Gold Line Connecting Los Angeles, the San Gabriel Valley and Inland Empire



**TABLE OF CONTENTS**

**PHASE II FOOTHILL EXTENSION PROJECT STATUS**

|  |           |
|--|-----------|
| <b>Project Description.....</b>            | <b>3</b>  |
| <b>Pasadena to Azusa Segment.....</b>      | <b>4</b>  |
| Management Issues.....                     | 4         |
| Key Activities Completed This Period ..... | 5         |
| Key Future Activities .....                | 6         |
| Critical Path Schedule .....               | 7         |
| Critical Path Float Trend.....             | 8         |
| IFS Structure Contract Status .....        | 9         |
| IFS Construction Images .....              | 10        |
| <b>Azusa to Montclair Segment.....</b>     | <b>11</b> |
| <b>Ontario Airport Segment.....</b>        | <b>12</b> |
| <b>Financial Status .....</b>              | <b>13</b> |



**FOOTHILL EXTENSION PROJECT DESCRIPTION**

The Authority’s mandate is to plan, design and construct a 37-mile light rail link between Downtown Los Angeles and Claremont. In addition, the San Bernardino Associated Governments (SANBAG) has requested that planning be extended one mile inside San Bernardino County to the City of Montclair and then to Ontario Airport.

The Metro Gold Line Phase II (Foothill Extension) corridor includes the cities of Pasadena, Arcadia, Monrovia, Duarte, Irwindale, Azusa, Glendora, San Dimas, La Verne, Pomona, Claremont, and Montclair; and the counties of Los Angeles and San Bernardino (Figure 1). The Foothill Extension is estimated to cost approximately \$1 billion.

The Foothill Extension will be built in two segments to align effectively with projected cash flows and financial capacity constraints. The first segment is defined from the Sierra Madre Villa Station in Pasadena to the city of Azusa. Revenue service along this segment is planned for the year 2014. The second segment would include an extension from Azusa to the City of Montclair with revenue service projected for the year 2017 and the third segment will be comprised of an extension from Montclair to the Ontario Airport.

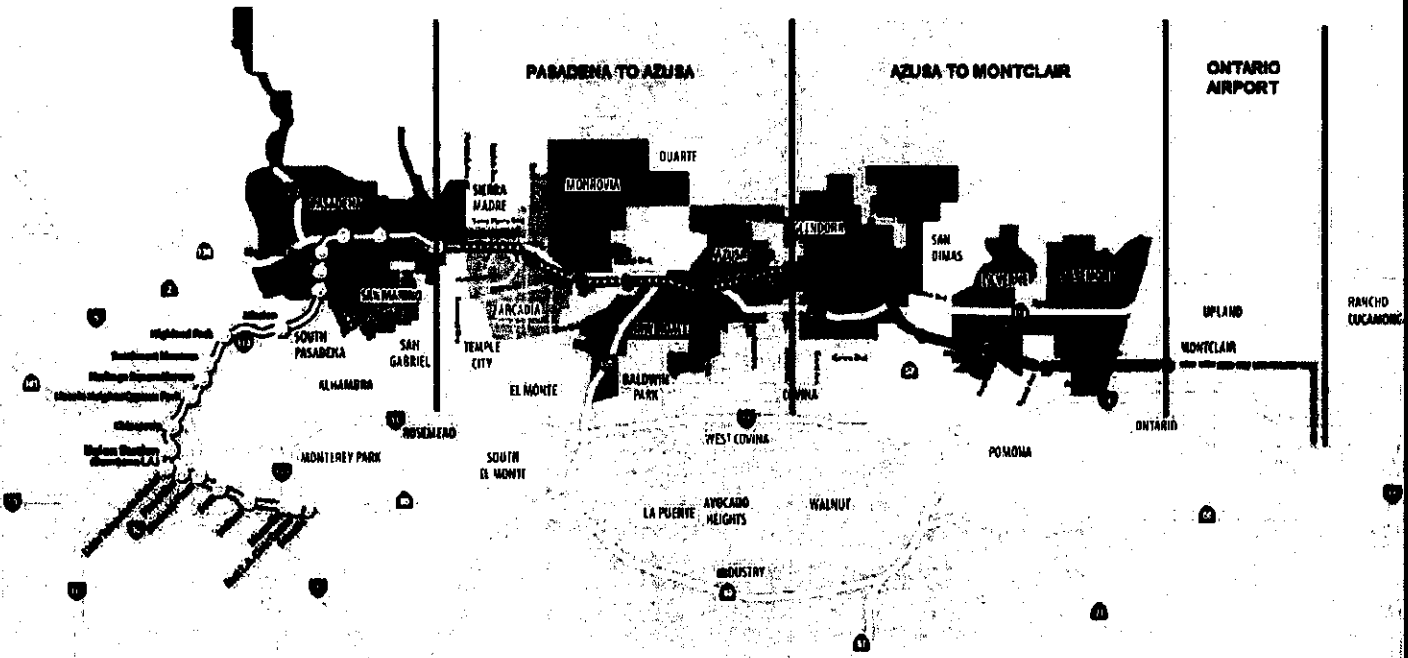


Figure 1: Metro Gold Line Foothill Extension Alignment



## **Pasadena to Azusa Segment**

### **MANAGEMENT ISSUES**

#### **Army Corps of Engineers Permit**

In order to allow construction of a new bridge across the San Gabriel River, the United States Army Corps of Engineers (Corps) requires the Authority to submit three permits and an Environmental Assessment (EA) to support the Clean Water Act, Section 408 permit. The Authority has completed/submitted the revised 60% design of the bridge substructure, structural calculations, permit applications (401, 404 & 1602), and has submitted the entire package to the Corps for review and comment. The Authority has addressed the comments received and has developed and received approval of a hydraulic model of the San Gabriel river to verify that there is no impact to the water surface elevation due to the proposed bridge. On July 20, 2011, the USACE signed the FONSI (Finding of No Significant Impact) which is the final step in the environmental process. The Authority expects to receive a formal response to the submittals and anticipates receiving the 404 Permit by September 2011.

#### **Caltrans Master Cooperative Agreement (MCA)**

On August 2, 2011, Caltrans executed the Master Cooperative Agreement. The execution of this document has removed this item from the critical path and is no longer a potential schedule issue to the project.

#### **Legal Challenge of SEIR**

On February 17, 2011, Excalibur Property Holdings LLC and George Brokate filed a petition for writ of mandate against the Metro Gold Line Foothill Extension Construction Authority's decision to approve certain modifications to Phase 2A of the Foothill Extension. The petition alleges that the Authority failed to comply with the California Environmental Quality Act (CEQA), and has been amended to name the Los Angeles Metropolitan Transportation Authority as a real party in interest. The petitioner served the Authority with the lawsuit on February 24, 2011. The Authority is prepared to defend its actions regarding this matter. A schedule for briefs and hearings applying to these matters is included below:

- Petitioners' Opening Brief due August 15, 2011
- Opposition Brief due September 16, 2011
- Petitioners' Reply Brief due October 3, 2011
- Writ Hearing: October 26, 2011 at 9:30 a.m.

#### **Acquisition of M&O Facility Property**

Metro's Funding Agreement requires an executed agreement or order for possession of at least 50% of the property required for the M&O Facility. Authority staff is proceeding with the real estate acquisition process and the Authority Board of Directors authorized the use of eminent domain at its July 27<sup>th</sup> meeting.



### **KEY ACTIVITIES COMPLETED THIS PERIOD**

Staff continued reviewing the locations of utilities and identifying those that could potentially be obstructing the path of the extension. Staff has compiled a list of the utility companies that are operating in each of the respective cities along the extension and are reviewing any prior agreements with the companies in an effort to assign cost responsibility.

Staff continued to develop conceptual designs for the project's parking facilities.

Staff continued to attend coordination meetings with cities along the alignment.

Held regular coordination meetings with the C1134 (DB1) Design-Build contractor.

All remaining grade crossing applications have been submitted to the California Public Utilities Commission (CPUC) for approval. To date, 35 crossings have been approved and 2 crossings remain to be approved.

Awarded C1135 (DB2) contract to Foothill Transit Constructors – a Kiewit Parsons Joint Venture.

Executed Master Cooperative Agreement with Caltrans.

Authority staff continues to meet with Metro staff to review and discuss the following items:

- Review of status of Pasadena to Azusa segment procurement
- Discontinuance process with Surface Transportation Board

Finalized contract with IBI Group for advanced conceptual engineering of parking facilities.

Continued construction work on Iconic Freeway Structure

- Obtained Caltrans concurrence to begin foundation construction
- Continued construction of temporary retaining wall and site preparation



### **KEY FUTURE ACTIVITIES**

Obtain approval of all necessary CPUC crossing applications.

Coordinate with the Army Corps of Engineers for approval of modifications to the San Gabriel River Bridge.

Support Metro's effort to obtain Surface Transportation Board approval of discontinuance of freight service west of Irwindale.

Continue discussions with corridor cities regarding station parking facilities.

Continue management of the IFS contract, which will include evaluation of design and construction submittals.

Begin advanced conceptual engineering for parking facilities.

Continue to attend to any issues that may come up by the cities along the alignment.

Continue to develop the utility matrix to identify long lead work items.

Finalize the following property acquisitions:

- **Arcadia:**

1. Parcels 701 and 702 (Arboretum, TPSS 01) – Terms reached. Approval by the County Board of Supervisors is expected in early September.
2. Parcel 1304 (REI - 214 N. Santa Anita) – In escrow.

- **Monrovia:**

1. Parcel 1602 (1401 Los Robles Ave, TPSS 03) – In escrow.
2. Parcels 21A01 – 21A05 (Agency-owned M&O parcels) – Purchase & Sale Agreement reached with city staff. City Council will consider in September.
3. Parcel 21A10 Hoffman/Linsalato (1630 S. California Avenue) – Under negotiation. Latest counter-offer by Board under consideration. Condemnation hearing date 11/17/2011.
4. Parcel 21A11 Cleveland (525 E. Duarte Road) – In escrow.
5. Parcel 21A13 Charvat/ELS (1532 S. California Avenue) – Appraisals complete. Negotiations with ELS attorney will begin in September. Condemnation hearing date 11/15/2011.
6. Parcel 21A14 - Mountain Partners (510 E. Evergreen Avenue) – Closed 8/18/2011.
7. Parcel 21A15 - Excalibur (520-622 E. Evergreen Avenue) – Condemnation hearing date 11/16/2011.
8. Parcel 21A21 - City-owned street (North Duarte Avenue) – Purchase & Sale Agreement reached with city staff. City Council will consider in September.

- **Duarte:**

1. Parcel 2203 (1806 Mountain Avenue, Duarte) – Under negotiation. Waiting for seller to counter-offer.
2. Parcel 2204 (1812 Mountain Avenue, Duarte) – Under negotiation. Waiting for seller to counter-offer.
3. Parcels 2801 and 2802 (Cal Am Water, TPSS 05) – Independent appraisal ordered by seller. Waiting for seller's counter-offer.
4. Parcel 2803 (Access Easement, TPSS 05) – Property owner contacted. Ready for appraisal.

- **Irwindale:**

1. Parcel 3302 (Irwindale Station Parking) – Appraisal completed. Offer sent 8/11/2011.

- **Azusa:**

1. Parcel 3701 (845 W. 6<sup>th</sup> Street, TPSS 07) – In escrow.
2. Parcel 3702 (833 W. 6<sup>th</sup> Street, TPSS 07) – In escrow.
3. Parcel 3902 (736 N. Angeleno Avenue, Vibration House) – Ready to send notice of decision to appraise.
4. Parcel 4401 (Citrus Station Parking) – Seller's counter-offer to be reviewed by Board 8/24/2011.

**METRO GOLD LINE FOOTHILL  
EXTENSION CONSTRUCTION AUTHORITY  
Monthly Foothill Extension Project Status Report  
Period Ending – August 15, 2011**

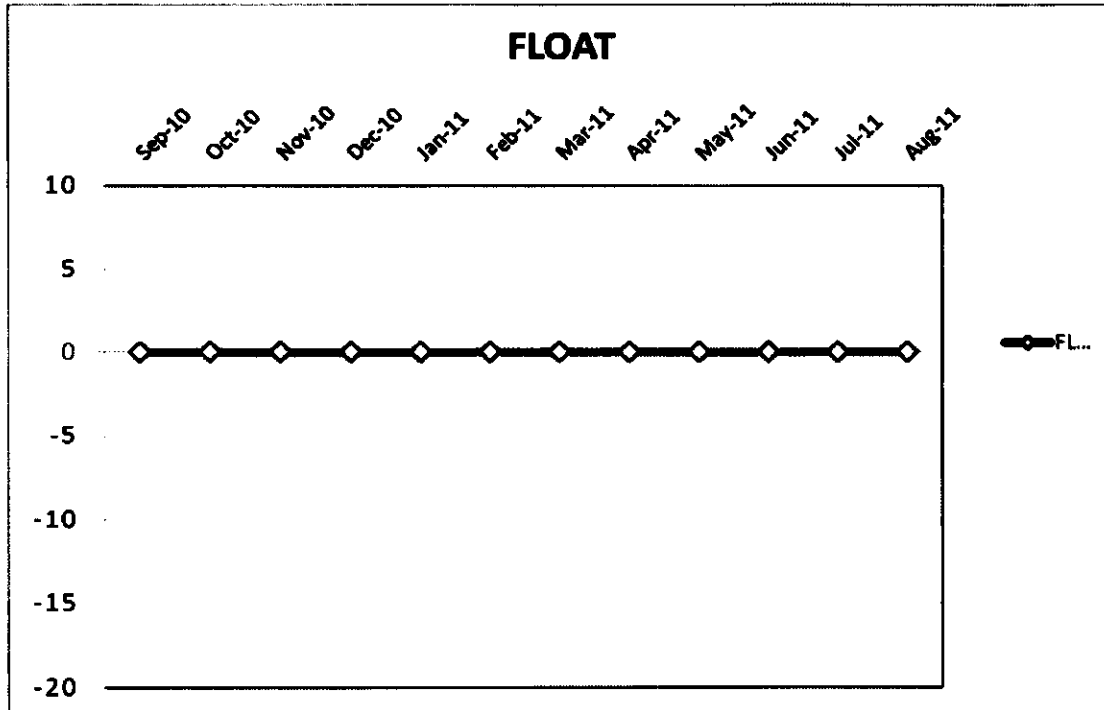


**CRITICAL PATH SCHEDULE**

| Activity Description                             | Orig Dur | Act Dur | Rem Dur | Early Start | Early Finish | Total Float | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |  |
|--|----------|---------|---------|-------------|--------------|-------------|------|------|------|------|------|------|--|
| <b>PRIMARY CRITICAL PATH</b>                     |          |         |         |             |              |             |      |      |      |      |      |      |  |
| <b>CONSTRUCTION - TRACKS</b>                     |          |         |         |             |              |             |      |      |      |      |      |      |  |
| C1135 - REQUEST FOR PROPOSAL                     | 287      | 287     | 0       | 06JUN10A    | 27JUL11A     | 0           |      |      |      |      |      |      |  |
| C1136 - NOTICE TO PROCEED                        | 0        | 0       | 0       | 12SEP11     |              | 2           |      |      |      |      |      |      |  |
| C1136 ->>>SUBSTANTIAL COMPLETION - 1420 CD<<<    | 0        | 0       | 0       |             | 31JUL15      | 0           |      |      |      |      |      |      |  |
| <b>CONSTRUCTION - RETAINING WALLS</b>            |          |         |         |             |              |             |      |      |      |      |      |      |  |
| RETAINING WALLS - DESIGN                         | 272      | 0       | 272     | 12SEP11     | 04OCT12      | 0           |      |      |      |      |      |      |  |
| SOUND WALLS - (1035+00 - 1230+00)                | 270      | 0       | 270     | 06OCT12     | 17OCT13      | 0           |      |      |      |      |      |      |  |
| GRADING/DRAINAGE (1036+00 - 1220+00)             | 132      | 0       | 132     | 24APR13     | 24OCT13      | 0           |      |      |      |      |      |      |  |
| CONDUIT BANKS/CONDUITS - (1035+00 - 1230+00)     | 142      | 0       | 142     | 06JUN13     | 18OCT13      | 0           |      |      |      |      |      |      |  |
| TRACK DRAINAGE (1025+00 - 1230+00)               | 66       | 0       | 66      | 18OCT13     | 13JAN14      | 0           |      |      |      |      |      |      |  |
| OCS FOUNDATIONS (1025+00 - 1230+00)              | 78       | 0       | 78      | 19OCT13     | 27JAN14      | 0           |      |      |      |      |      |      |  |
| <b>CONSTRUCTION - TRACKS</b>                     |          |         |         |             |              |             |      |      |      |      |      |      |  |
| TRACK INSTALLATION - (1035+00 - 1230+00)         | 182      | 0       | 182     | 28OCT13     | 27MAY14      | 0           |      |      |      |      |      |      |  |
| TRACK INSTALLATION - (870+00 - 1035+00)          | 90       | 0       | 90      | 03FEB14     | 18JUN14      | 0           |      |      |      |      |      |      |  |
| TRACK INSTALLATION - (827+22 - 870+00)           | 100      | 0       | 100     | 27NOV13     | 27AUG14      | 0           |      |      |      |      |      |      |  |
| <b>CONSTRUCTION - TRAIN CONTROL</b>              |          |         |         |             |              |             |      |      |      |      |      |      |  |
| TRAIN CONTROL - INTERLOCK SIGNAL INSTALLATION    | 167      | 0       | 167     | 22MAY14     | 08JAN15      | 0           |      |      |      |      |      |      |  |
| <b>CONSTRUCTION - SYSTEMS</b>                    |          |         |         |             |              |             |      |      |      |      |      |      |  |
| Systems Integration Testing                      | 48       | 0       | 48      | 12JAN15     | 31JUL15      | 0           |      |      |      |      |      |      |  |
| <b>SECONDARY CRITICAL PATH</b>                   |          |         |         |             |              |             |      |      |      |      |      |      |  |
| <b>CONSTRUCTION - TRACKS</b>                     |          |         |         |             |              |             |      |      |      |      |      |      |  |
| <b>CONSTRUCTION - TRACKS</b>                     |          |         |         |             |              |             |      |      |      |      |      |      |  |
| C1135 - Demolish Existing Structures @ M&O       | 100      | 0       | 100     | 08AUG12     | 04JAN13      | 37          |      |      |      |      |      |      |  |
| C1136 ->>>FULL ACCESS MAINTENANCE FACILITY       | 0        | 0       | 0       |             | 30OCT12      | 37          |      |      |      |      |      |      |  |
| C1136 - Const. Maintenance & Operations Facility | 700      | 0       | 700     | 06JAN13     | 06DEC14      | 37          |      |      |      |      |      |      |  |
| <b>CONSTRUCTION - REAL ESTATE</b>                |          |         |         |             |              |             |      |      |      |      |      |      |  |
| C1136 - REAL ESTATE - M&O FACILITY               | 840      | 201     | 440     | 24JAN11A    | 30OCT12      | 37          |      |      |      |      |      |      |  |



**CRITICAL PATH FLOAT TREND**



**Critical Path Analysis**

**Primary Critical Path / (0 Calendar Days)**

On July 27, 2011, the Authority awarded Contract C1135 - Phase 2A Design/Build Alignment to Foothill Transit Constructors. The execution of the C1135 Contract is the primary critical path activity. The Authority is in the process of executing the Contract and anticipates the issuance of Notice to Proceed (NTP) by September 12, 2011.

**Secondary Critical Path / (21 Calendar Days)**

This period, the Master Cooperative Agreement (MCA) with Caltrans was executed on August 2, 2011. Due to the execution of the MCA with Caltrans, the previous tertiary critical path has now become the secondary critical path. The new secondary critical path runs through the real estate acquisition for parcels at the Maintenance & Operations Facility site. The Authority anticipates acquiring the parcels necessary to support the start of facility construction by October 30, 2012.

**Project Float**

The current schedule reflects a forecast completion for Substantial Completion on July 31, 2015 and is on target with the requirements per the Foothill Extension Funding Agreement. The project float remains unchanged this period.



**METRO GOLD LINE FOOTHILL  
EXTENSION CONSTRUCTION AUTHORITY  
Monthly Foothill Extension Project Status Report  
Period Ending – August 15, 2011**



**Description:** Iconic Freeway Structure  
**Contract No.:** C1134

**Status:** August 12, 2011  
**Contractor:** Skanska

**Progress Completed This Period:**

**Preconstruction:** The Design-builder is scheduled to complete work on the temporary retaining wall in the I-210 median on August 23rd. The contractor has also addressed final Caltrans comments necessary for the approval of the foundation which is expected next week. With Caltrans' issuance of the required encroachment permit, it is anticipated that foundation drilling will begin the 1st week of September.

**Design:** The Design-builder is completing the design of the superstructure package in coordination with Caltrans structural review team. It is anticipated that the final submittal will be available for both Caltrans and the Authority review by the end of the month. The design of the architectural basket features, landscaping, and lighting are being advanced and will be submitted as a third and final design package in September.

**Areas of Concern:**

**Schedule:** The development and approval of the project design has taken longer than anticipated and has contributed to a significant delay to the project. Beginning next month, once foundation construction is underway, the Contractor and Authority will evaluate options for recovering this lost time.

**Architectural Features:** The architectural elements of this project are complex and significant design and planning efforts are needed to ensure that quality is maintained. The Authority is working closely with the Contractor in their development of the final design for the architectural features (woven baskets), landscaping, and aesthetic lighting.

**Traffic Management:** The project is entering the heavy construction phase which will impact the traveling public through necessary freeway lane reductions and night-time closures. There is a significant outreach effort to the public and the City of Arcadia by both the Authority and Contractor to inform and mitigate these impacts.

**Schedule Assessment:**

This period, the Substantial Completion milestone has slipped 42 days. Delays are a result of late Caltrans Submittal review comments, and construction sequencing changes proposed by the Design-Build Contractor. Potential schedule mitigation measures will be evaluated to recover.

The forecast for Substantial Completion is August 29, 2012, which is three months before the C1135 Design-Build Contractor access date of December 15, 2012.

**Cost Assessment:**

The current contract cost forecast is 18.5 million. The forecast is within the authorized budget of 18.6 million.

The Design-Build Contractor continues to trend below the maximum payment curve. The total earned to date is 5.3 Million, and is currently trending to meeting the early completion schedule for payment.

The Authority is negotiating potential credits for the deletion of approach slabs & walls. Potential changes for aesthetic features and landscaping are forthcoming.

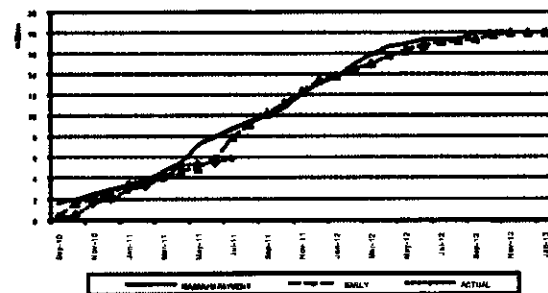
**Schedule Summary:**

|                             |                   |
|-----------------------------|-------------------|
| Contract Award:             | 06/18/10          |
| Notice to Proceed (NTP) :   | 08/03/10          |
| Original Contract Duration: | 880 Calendar Days |
| Current Contract Duration:  | 880 Calendar Days |
| Elapsed Time from NTP:      | 374 Calendar Days |

**Cost Summary:**

|                                      | Million(s) |
|--------------------------------------|------------|
| <b>CONTRACT</b>                      |            |
| Contract Award Value:                | 18.57      |
| Executed Change Orders:              | (0.04)     |
| Current Contract Value:              | 18.53      |
| Potential Change Orders:             | (0.04)     |
| Current Forecast:                    | 18.49      |
| Earned Value/Actual Cost to Date     | 5.95       |
| <b>AUTHORIZATION FOR EXPENDITURE</b> |            |
| Board Approval                       | 18.60      |
| Remaining Balance                    | 0.11       |

| Milestone | Description            | Original Contract | Current Contract | Forecast | Variance |
|-----------|------------------------|-------------------|------------------|----------|----------|
| 1         | Substantial Completion | 07/03/12          | 07/03/12         | 08/28/12 | (56)     |
| 2         | Punchlist Complete     | 10/01/12          | 10/01/12         | 11/26/12 | (56)     |
| 3         | Final Acceptance       | 12/30/12          | 12/30/12         | 02/24/13 | (56)     |





**IFS Construction Images**

**Clearing at South  
side of IFS**



**Construction of the  
Soil Nail Wall**

**Removal of track**





## **Azusa to Montclair Segment**

Staff is working with Parsons Brinckerhoff (PB) to complete the environmental review for the Azusa to Montclair extension.

### **ACTIVITIES COMPLETED THIS PERIOD**

The Authority completed a review of the Purpose and Need document, Project Description Report and majority of the technical section, and issued their comments to the environmental team.

PB continues to prepare the technical reports necessary for the NEPA/CEQA document. PB is approximately 85% complete with updating/refining conceptual engineering plans and technical sections required for the draft NEPA/CEQA document.

The environmental team is currently updating the Purpose and Need document, Project Description Report, and technical sections based on Authority comments and will issue them for Authority review in August.

### **KEY FUTURE ACTIVITIES**

Finalize the Purpose and Need, the Project Description Report, and the Draft EIR for Authority review in August. Public release of the Final EIR is anticipated in September.

### **Federal Transit Administration (FTA)**

The Metro Board excluded the Gold Line from seeking federal New Starts funding. The Authority will work together with Metro along with the Congressional delegation to seek funding to construct the extension following completion of the environmental review.



## **Ontario Airport Segment**

Authority staff continues the negotiation process with KOA Corporation for the Ontario Airport segment alternatives analysis study which will likely begin later this year.

### **ACTIVITIES COMPLETED THIS PERIOD**

Staff continued to pursue the needed funding to conduct the Alternatives Analysis for the Ontario Airport Segment. The San Bernardino Associated Governments (SANBAG) and the Authority are in discussions to develop a funding agreement for a portion of the initial Alternatives Analysis study.

### **KEY FUTURE ACTIVITIES**

Authority staff will work to obtain funding for this Segment and complete negotiations with KOA.

**METRO GOLD LINE FOOTHILL  
EXTENSION CONSTRUCTION AUTHORITY  
Monthly Foothill Extension Project Status Report  
Period Ending – August 15, 2011**



**PHASE II FOOTHILL EXTENSION FINANCIAL STATUS  
Project Operating Budget Summary in Millions of Dollars  
August 15, 2011**

|  | ( a )                 | ( b )                               | (c=a-b)                     | ( d )                            |
|--|-----------------------|-------------------------------------|-----------------------------|----------------------------------|
| <b>FINANCIAL PLAN</b>                    | <b>Current Budget</b> | <b>Funding Committed to Project</b> | <b>Uncommitted Funds</b>    | <b>Revenues Received</b>         |
| SCAG                                     | 1.0                   | 0.9                                 | 0.1                         | 0.9                              |
| Interest Income                          | 2.0                   | 2.0                                 | -                           | 2.0                              |
| Bridge Replacement                       | 13.9                  | 13.9                                | -                           | 13.9                             |
| Phase I Carryover                        | 4.0                   | 4.0                                 | -                           | 4.0                              |
| Maintenance and Operations Facility      | -                     | -                                   | -                           | -                                |
| Cities                                   | 11.0                  | -                                   | 11.0                        | -                                |
| Measure R - Pasadena to Azusa            | 735.0                 | 735.0                               | -                           | 46.9                             |
| Measure R - Azusa to Montclair           | 45.0                  | -                                   | 45.0                        | -                                |
| SANBAG                                   | 55.2                  | 1.5                                 | 53.7                        | 1.5                              |
| Federal TCSP                             | 2.9                   | 2.9                                 | -                           | 1.9                              |
| Federal Bus Intermodal Plan              | 9.0                   | 6.2                                 | 2.8                         | 1.7                              |
| Federal New Starts 2004 MTA Passthrough  | 4.0                   | 4.0                                 | -                           | 4.0                              |
| Federal New Starts 2005 MTA Passthrough  | 0.5                   | 0.5                                 | -                           | 0.5                              |
| Federal New Starts 2006 Corridor Study   | 2.5                   | 2.5                                 | -                           | 1.6                              |
| Federal/Other                            | 281.0                 | -                                   | 281.0                       | -                                |
| <b>Total Revenues</b>                    | <b>1,167.0</b>        | <b>773.4</b>                        | <b>393.6</b>                | <b>78.9</b>                      |
|  | ( a )                 | ( b )                               | ( c )                       | (d=a-b)                          |
|  | <b>Current Budget</b> | <b>Current Obligation</b>           | <b>Current Expenditures</b> | <b>Current Available Balance</b> |
| <b>EXPENSES</b>                          |                       |                                     |                             |                                  |
| Program Management and Administration    | 91.7                  | 38.0                                | 36.2                        | 56.7                             |
| Master Cooperative Agreements            | 12.0                  | -                                   | -                           | 12.0                             |
| Real Estate including ROW Acq            | 30.0                  | 3.3                                 | 3.3                         | 26.7                             |
| Special Programs                         | 0.3                   | -                                   | -                           | 0.3                              |
| Procurement/Vehicles                     | 60.0                  | -                                   | -                           | 60.0                             |
| Maintenance and Operations Facility Land | 20.0                  | 3.9                                 | 3.9                         | 16.1                             |
| Construction - IFS                       | 18.6                  | 18.6                                | 5.9                         | -                                |
| Construction - Parking Structures        | 31.0                  | -                                   | -                           | 31.0                             |
| Construction Pasadena to Azusa - M&O     | 367.4                 | -                                   | -                           | 367.4                            |
| Construction Azusa to Montclair          | 405.0                 | -                                   | -                           | 405.0                            |
| MTA Project Costs                        | 66.0                  | -                                   | -                           | 66.0                             |
| Contingency                              | 44.0                  | -                                   | -                           | 44.0                             |
| Project Reserve                          | 21.0                  | -                                   | -                           | 21.0                             |
| <b>Total Project</b>                     | <b>1,167.0</b>        | <b>63.8</b>                         | <b>49.3</b>                 | <b>1,103.2</b>                   |