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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 \$1.4 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 2015. 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.

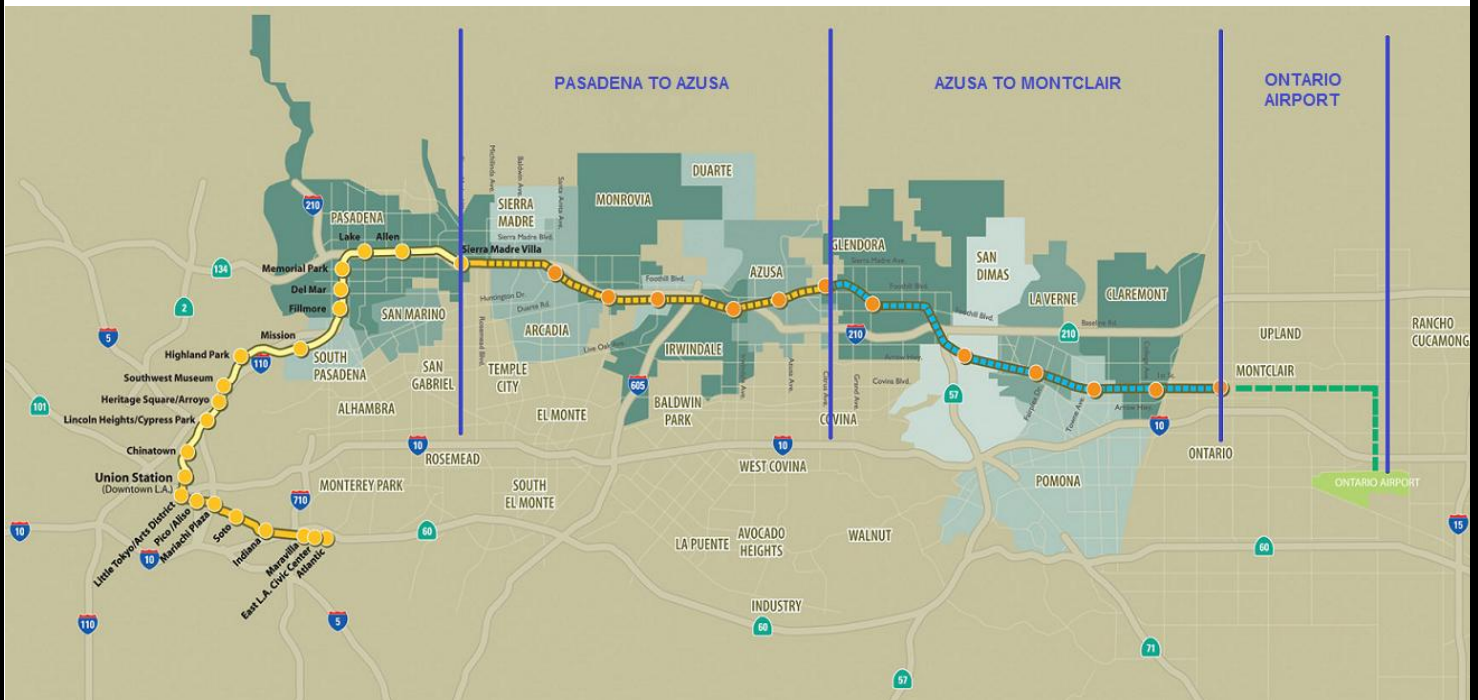


Figure 1: Metro Gold Line Foothill Extension Alignment



Pasadena to Azusa Segment

MANAGEMENT ISSUES

Metro Betterments

During the design process Metro staff have identified betterments that Metro staff would like to add to the project. Metro has provided a final disposition on all but a few items. Authority staff continues to work with Metro staff to resolve the remaining items.

Deviations

During the final design process there are instances where the project cannot comply with or it does not make sense to comply with either the Metro or Southern California Regional Rail Authority (SCRRA) design criteria. When these instances occur a deviation request is submitted to the appropriate agency. A number of deviation requests are with Metro and SCRRA for their approval. Several design packages have been completed upon approval of these deviation requests. Metro and SCRRA staff have made significant progress towards processing the remaining open deviation requests but some still remain unresolved. Authority staff will continue to work with both Metro and SCRRA to resolve all outstanding requests.



KEY ACTIVITIES COMPLETED THIS PERIOD

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

Held regular coordination meetings with the C1134 (DB1) design-build contractor and participated in construction site visits

Completed construction work on Gold Line Bridge:

- Completed installation of architectural lighting conduits, barrier rail installation, landscaping elements and retaining wall 3
- Over 95,000 hours accident free

Granted Substantial Completion for the Gold Line Bridge contract November 29th

Transferred Gold Line Bridge to Alignment contractor (FTC) December 15th

Authority staff continues to meet with Metro staff to review and discuss the status of the Pasadena to Azusa segment

Held regular Task Force meetings with the C1135 (DB2) contractor, Foothill Transit Constructors (FTC)

FTC continued rail demolition and progressed critical design submittals to support the start of construction activities

48 of 82 AFC packages completed for C1135 project Further developed advanced conceptual engineering of all parking structure facilities

Completed performance of committee reviews for the proposals received from three shortlisted Design-Build firms for DB3 (C1150) Contract and held discussions with proposers based on evaluations

Released Addendum #6 to the Request for Proposals (RFP) for the Intermodal Parking Facilities and Enhancements Project, RFP C1150 (DB3) on December 20th

Completed demolition of structures and began mass grading on the Gold Line Operations Campus

Prepared for roadway closures of in anticipation of work at Colorado and Foothill bridges

Continued work on the Citrus Bridge

Continued mass grading in Segment 4



KEY FUTURE ACTIVITIES

Continue discussions with corridor cities regarding station parking facilities

Continue management of the Alignment contract, which will include evaluation of design and Project management submittals

Release Addendum 7 to RFP C1150 (DB3) for the Intermodal Parking Facilities and Enhancements Project

Receive final/revised proposals from three shortlisted Design-Build firms for DB3 (C1150) Contract

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

Complete mass grading of the Gold Line Operations Campus (GLOC) and begin erection of new buildings

Begin construction of Palm Bridge

Begin mass grading in Segment 3

Begin construction of the Duarte Station

Finalize the following property acquisitions:

- Arcadia:
 1. Parcel 6008 (Huntington Bridge Abutment easement) – Negotiating.
 2. Parcel 6027 (2 La Porte St.) – Offer letter sent 1/4/2013.
- Monrovia:
 1. Parcel 1601 (Encino Avenue) – Included in agreement with City of Monrovia.
 2. Parcel 1701 (1607 S. Mayflower Ave.) – Appraisal underway. Set just compensation 1/23/2013.
 3. Parcel 1801/6022 (Fairmont Village Condos.) – Set just compensation 1/23/2013.
 4. Parcel 1803 (1703 S. Magnolia Ave.) – Offer letter sent 1/14/2013.
 5. Parcel 1804/6024 (1631 S. Magnolia Ave.) – On hold pending possible design alternatives.
 6. Parcel 1902 (1726 S. Magnolia Ave.) – Offer letter sent 1/14/2013.
 7. Parcel 1903 (Monrovia station strip) – Included in agreement with City of Monrovia.
 8. Parcel 1904 (Monrovia station parking) – Possession 12/14/2012.
 9. Parcel 1905 (1726 S. Myrtle Ave.) – Agreement
 10. Parcel 1906 (145 W. Duarte R.) – Offer letter sent 1/14/2013.
 11. Parcels 21A01 – 21A05 (City of Monrovia GLOC parcels) – Possession.
 12. Parcel 21A23 – City of Monrovia (Shamrock Ave.) – Seeking quitclaim deed from Home Depot.
 13. Parcel 2101/6004 (1713 S. California Avenue) – Set just compensation 1/23/2013.
 14. Parcel 2102 (200 E. Duarte Rd.) – Appraisal ordered.
 15. Parcel 2103 (401 Monrovista) – Negotiating. Resolution of Necessity 2/13/2013.
 16. Parcel 2201 (1711 Mountain Ave.) – Appraisal ordered.
 17. Parcel 2202 (904 Hamilton Rd.) – Appraisal ordered.
 18. Parcel 2205 (Home Depot) – Plans under review by Home Depot engineers.

**METRO GOLD LINE FOOTHILL
EXTENSION CONSTRUCTION AUTHORITY
Monthly Foothill Extension Project Status Report
Period Ending – December 31, 2012**



19. Parcel 6020 (1406 Radford St.) – Offer letter sent 1/14/2013.
20. Parcel 6023 (1518 S. Mayflower Ave.) – Set just compensation 1/23/2013.
21. Parcel 6026 (1721 S. Magnolia Ave.) – Offer letter sent 1/14/2013.

- Duarte:

1. Parcel 2401 (1727 Buena Vista) – Offer letter sent 1/14/2013.
2. Parcel 2602 (Duarte Station Parking – 1700 Business Center Drive) – Negotiating. Motion filed for pre-judgment possession.
3. Parcel 2603 (1801 Highland Avenue) – Agreement.
4. Parcel 2803 (Access Easement, TPSS 05) – Agreement. Waiting for seller to sign contract.
5. Parcel 2804 (Access Easement, TPSS 05) – Pre-judgment possession hearing 2/14/2013.

- Irwindale:

1. Parcel 3302 (Irwindale Station Parking) – Motion filed for pre-judgment possession.

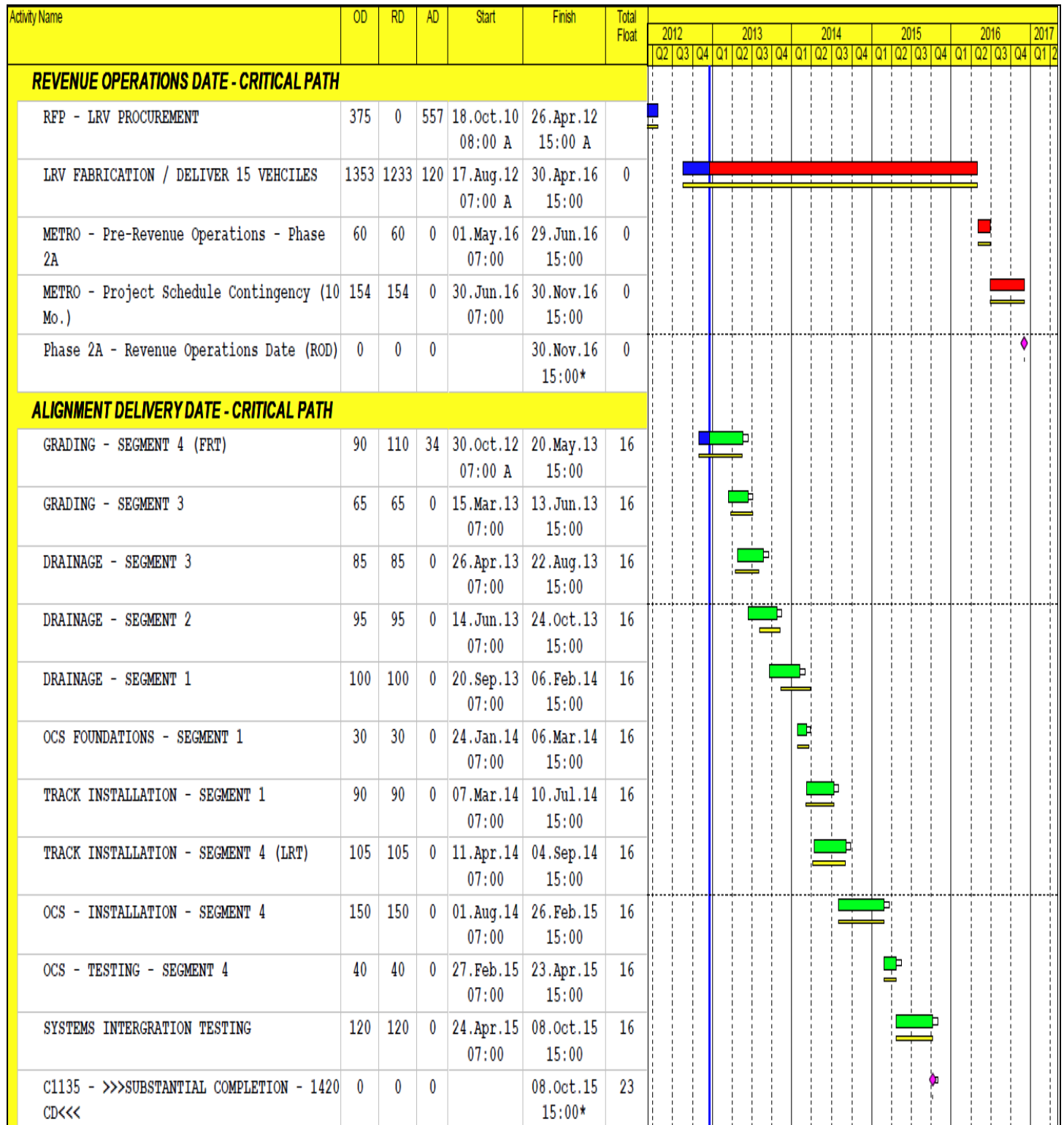
- Azusa:

1. Parcel 3902 (736 N. Angelo Avenue) – Agreement.
2. Parcel 4002 (809 N. Azusa Avenue) – Pre-judgment possession hearing 2/15/2013.
3. Parcel 5003 (905 N. Pasadena Avenue) – Possession 12/1/2012.

**METRO GOLD LINE FOOTHILL
EXTENSION CONSTRUCTION AUTHORITY
Monthly Foothill Extension Project Status Report
Period Ending – December 31, 2012**

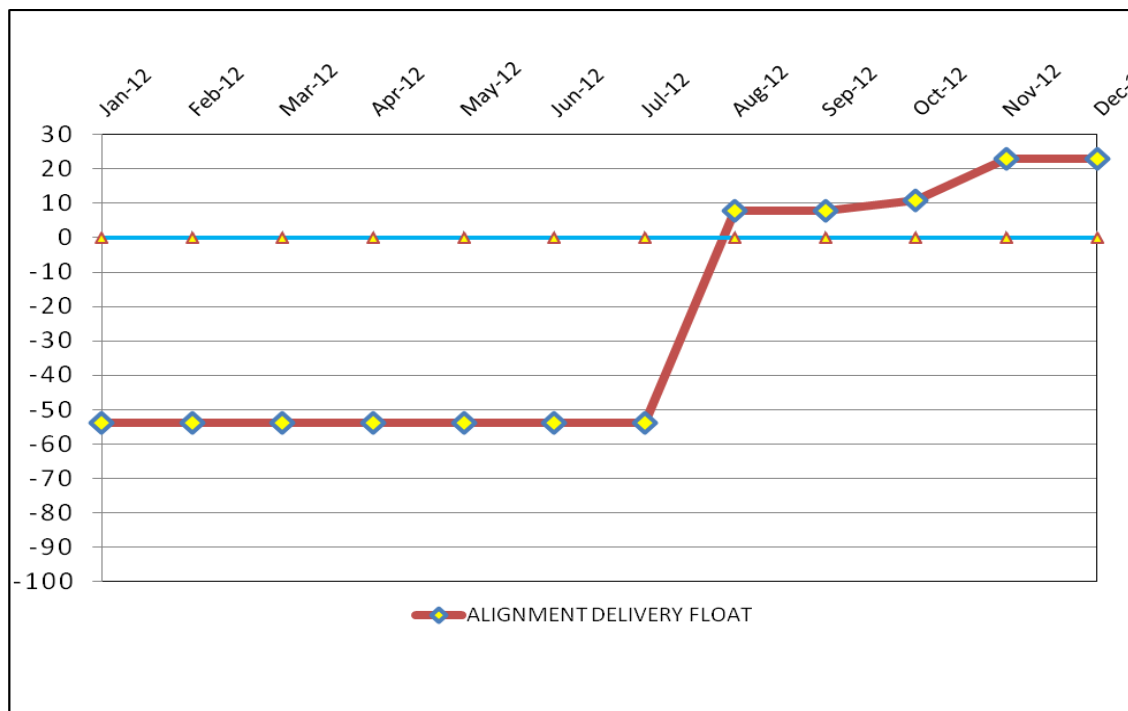


CRITICAL PATH SCHEDULE





CRITICAL PATH FLOAT TREND



Critical Path Analysis

Revenue Operations Date Critical Path - (0 Calendar Days / 0 Work Days)

The Metro Light Rail Vehicle (LRV) fabrication remains on the critical path this period. The delay issuing Notice to Proceed to the LRV manufacturer and changes to the anticipated delivery of the 15 vehicles have placed this work as a priority to achieve ROD. The critical path continues through Metro Pre-Revenue Operations, and schedule contingency (5 months). The Metro Revenue Operations Date is currently on schedule for November 30, 2016.

Alignment Delivery Date Critical Path - (23 Calendar Days / 16 Work Days)

This period, FTC re-sequenced the station construction activities and as a result removed the station work from the primary critical path. This period, the Segment 4 freight track grading activities returned to the primary critical path. The critical path continues through Segment 3 grading and drainage. The critical path continues through the installation of drainage at Segment 2 and Segment 1. Upon completion of the Segment 1 drainage, the path continues through the Segment 1 OCS foundations and track installation. Track installation continues through Segment 4 light rail. The path continues through Segment 4 OCS installation and testing. Systems Integration will begin after Segment 4 testing is complete. Upon the completion of Systems Integration testing, FTC will achieve Substantial Completion and turn-over to Metro for Pre-Revenue Testing.

Project Float

The project float for the Revenue Operations Date remains unchanged at 0 days. The critical activities on this path are on schedule to meet the Target Revenue Operations Date of November 2016. The Alignment Delivery Date float value remains unchanged this period. The Alignment Delivery Date is currently 23 days ahead of the October 31, 2015 deadline.

**METRO GOLD LINE FOOTHILL
EXTENSION CONSTRUCTION AUTHORITY
Monthly Foothill Extension Project Status Report
Period Ending – December 31, 2012**



Description: Iconic Freeway Structure

Status: December 15, 2012

Contract No.: C1134

Contractor: Skanska

Progress Completed This Period:

Construction: During this reporting period, the Design-Build Contractor completed the installation of architectural lighting, barrier rail installation, landscaping and retaining wall 3.

Areas of Concern:

No concerns

Schedule Assessment:

The Design-Build Contractor achieved Substantial Completion on November 29, 2012 and will now focus the attention on the punch list work.

Cost Assessment:

The current Contract cost forecast remains unchanged from last period. The forecast is at 19.61 million. The current forecast is \$166,841.00 under the authorized budget.

Schedule Summary:

Contract Award:	06/18/10
Notice to Proceed (NTP) :	08/03/10
Original Contract Duration:	880 Calendar Days
Current Contract Duration:	945 Calendar Days
Elapsed Time from NTP:	865 Calendar Days

Cost Summary:

Million(s)

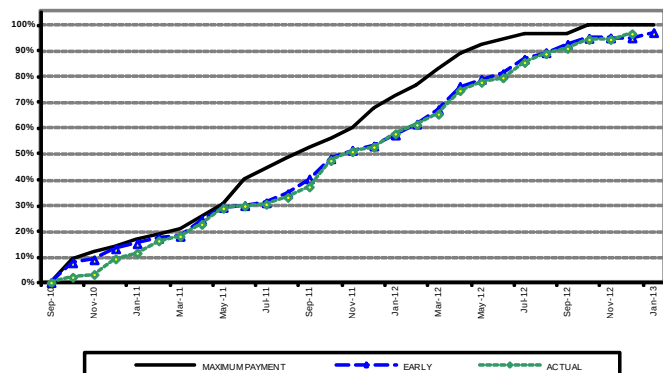
CONTRACT

Contract Award Value:	18.57
Executed Change Orders:	1.06
Current Contract Value:	19.63
Potential Change Orders:	0.00
Current Forecast:	19.63
Earned Value/Actual Cost to Date	18.23

AUTHORIZATION FOR EXPENDITURE

Budget	19.80
Commitment	19.80
Balance	0.17

Milestones	Description	Original Contract	Current Contract	Forecast	Variance
1	Substantial Completion	07/03/12	11/29/12	12/08/12	(9)
2	Punchlist Complete	10/01/12	12/05/12	01/07/13	(33)
3	Final Acceptance	12/30/12	03/05/13	03/14/13	(9)



Gold Line Bridge Construction Images

View of finalized bridge



Gold Line Bridge Ceremony –
Skanska Team

Gold Line Bridge Ceremony –
Presentation of plaque to bridge Artist,
Andrew Leicester



**METRO GOLD LINE FOOTHILL
EXTENSION CONSTRUCTION AUTHORITY
Monthly Foothill Extension Project Status Report
Period Ending – December 31, 2012**



Description: Alignment Design / Build

Status: December 15, 2012

Contract No.: C1135

Contractor: Foothill Transit Constructors (Kiewit-Parsons J.V.)

Progress Completed This Period

- Submit 85% Design - Grading & Drainage - Segments 1
- Submit 100% Design - Kincaid Bridge Modifications
- Submit 100% Design - Foothill Bridge Modifications
- Submit 100% Design - OCS - M&O Facility
- Submit 100% Design - Train Control - Mainline
- Submit 85% Design - Train Control - M&O
- Submit 85% Design - Train Control Book of Plans (Zones 3-11)
- Submit AFC Design - 5th Ave Pedestrian Crossing
- Submit AFC Design - Civil Roadway Segment 4
- Submit AFC Design - Stations
- Submit AFC Design - Walls Segment 4 (East)
- Submit AFC Design - Track Alignment Mainline
- Submit AFC Design - Rosemead Bridge Modifications
- Submit AFC Design - Contract Utilities Segment 1
- Submit AFC Design - Contract Utilities Segment 2

Activities Planned Next Period

- Submit AFC Design - M&O Facility Civil Site
- Submit AFC Design - Track Alignment M&O Facility
- Submit 100% Design - Traffic Signal & Lighting Segment 2 & 3
- Submit AFC Design - Alta Vista Wash Bridge
- Submit AFC Design - San Gabriel River Bridge
- Submit AFC Design - Foothill BI LRT Bridge
- Submit AFC Design - OCS Mainline
- Submit AFC Design - Communications Mainline
- Submit AFC Design - Contract Utilities M&O Facility
- Submit AFC Design - Traffic Signal & Lighting Segment 4
- Submit AFC Design - Traffic Signal & Lighting M&O Facility
- Submit AFC Design - Foothill Bridge (LRT)
- Submit AFC Design - Huntington Bridge Modifications
- Submit AFC Design - Colorado Bridge
- Submit AFC Design - Foothill Bridge Modifications
- Submit AFC Design - Baldwin Bridge Modifications
- Submit AFC Design - Santa Anita Bridge
- Submit AFC Design - Santa Anita Wash Bridge
- Submit AFC Design - I-210 Barrier Walls
- Submit AFC Design - Grading & Drainage - Segments 4
- Submit AFC Design - M&O Facility

Areas of Concern

- 1st/Santa Clara Grade Crossing Permit. The Authority will seek approval from the CPUC for a revised GO-88b grade crossing application due to a potential redesign of the crossing gates. The application approval could have a potential schedule impact.

Areas of Concern (Continued)

- Segment 3 Grade Crossing Property Acquisitions. The Design-Build Contractor has been late delivering parcel legal descriptions in a timely manner. There is a potential schedule impact to the Segment 3 grade crossing construction and schedule if the parcel legal descriptions are not approved. The Authority will attempt to mitigate potential delays by obtaining Right-of-Entry from property owners prior completing negotiations.

**METRO GOLD LINE FOOTHILL
EXTENSION CONSTRUCTION AUTHORITY
Monthly Foothill Extension Project Status Report
Period Ending – December 31, 2012**



Description: Alignment Design/ Build

Status: December 15, 2012

Contract No.: C1135

Contractor: Foothill Transit Constructors (Kiewit-Parsons J.V.)

Cost Summary:

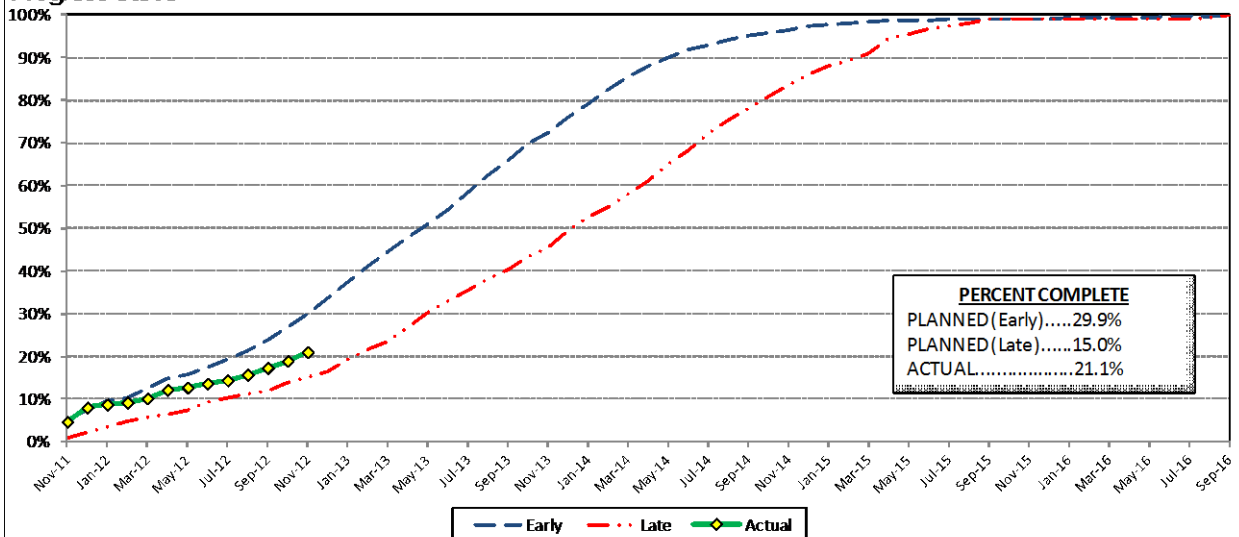
	Miln(s)
CONTRACT	
Contract Award Value:	485.9
Executed Change Orders:	2.6
Current Contract Value:	488.5
Potential Change Orders:	3.1
Current Forecast:	491.6
Earned Value/Actual Cost	101.5
AUTHORIZATION FOR EXPENDITURE	
Budget	507.6
Commitment	503.6
Balance	120

Cost Assessment:

This period the Contract forecast increased from \$489.5 Million to \$491.6 Million. This period, potential additional costs are due to RFC 009 - *Hazardous Abatement at Bridges*, PCO 005.02 - *IDIQ Comm Contract*, and RFC 018 - *M&O Differing Site Conditions*.

The Design-Build Contractor has earned 101.4 Million and is currently 21.1% complete. The progress is currently 8.8% behind the schedule, which is due to fabrication and delivery progress for materials such as *Special Track Work*, *M&O Equipment*, and *Bridge Girders*. Although the actual cost is behind the planned early curve, the actual cost is trending away from the late progress curve.

Progress Curve



Schedule Summary:

Contract Award	07/27/11
Interim Notice to Proceed (NTP) :	11/03/11
Original Contract Duration:	1,780 Calendar Days
Current Contract Duration:	1,780 Calendar Days
Elapsed Time from NTP:	408 Calendar Days

Contract Milestones

Milestones	Description	Original Contract	Current Contract	Forecast	Variance
1	Substantial Completion	09/23/15	09/23/15	10/08/15	(15)
2	Punchlist Complete	06/19/16	06/19/16	07/04/16	(15)
3	Final Completion	09/17/16	09/17/16	10/02/16	(15)
4	Access - IFS Br.	12/15/12	12/15/12	12/15/12	0
5	Test Track Complete	03/27/15	03/27/15	03/15/15	12
6	Colorado Br. Demo Complete	02/01/12	02/01/12	6/15/2012A	(135)

Schedule Assessment:

This period, the Substantial Completion milestone remained constant. The construction sequence for stations was modified to allow the stations at various location to be completed concurrently. The revised sequence has removed station construction from the primary critical path. The critical path has shifted back to grading for the Segment 4 freight track. The Substantial Completion Milestone is fifteen days behind schedule and is forecast to be complete on October 8, 2015.

Access to the Iconic Freeway Structure (IFS) was granted on December 15, 2012. The C1134 Design-Build Contractor will share access until the punch list work is completed. At this time, the IFS is not critical for the C1135 Design-Build Contractor schedule.

The Test Track Completion is forecast to be available on March 15, 2015.

Alignment Construction Images

Grading work at
Gold Line Operations Campus



Work at Colorado Bridge

Example of Notices for
Colorado Bridge Work





Azusa to Montclair Segment

Staff is working with Parsons Brinckerhoff (PB) to prepare responses for incoming public comments on the Draft Environmental Impact Report (DEIR) for the Azusa to Montclair extension Project. In addition, staff is working with the environmental team to make the necessary changes in the DEIR to address all pertinent comments received.

ACTIVITIES COMPLETED THIS PERIOD

PB continued to assemble and prepare responses to the incoming public comments on the Draft EIR. Authority staff and PB met and reviewed the comments and began preparing responses to all comments. In addition, PB continued to revise the DEIR to address any and all pertinent comments in order to provide a final EIR to the Authority for review.

KEY FUTURE ACTIVITIES

The environmental team will continue to prepare responses to the public comments as part of the administrative record. In addition, PB will revise the DEIR as necessary to address the comments and finalize the EIR and submit to the Authority for review. In January, the Authority will receive the final EIR completed by PB and review this document in order to present the EIR to the Authority's Board of Directors for certification in February.

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 – December 31, 2012**



**PHASE II FOOTHILL EXTENSION FINANCIAL STATUS
Project Operating Budget Summary in Millions of Dollars
December 31, 2012**

	(a)	(b)	(c=a-b)	(d)
		Funding Committed to Project	Uncommitted Funds	Revenues Received
FINANCIAL PLAN	Current Budget			
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	741.0	(6.0)	170.2
Measure R - Azusa to Montclair	-	-	-	-
SANBAG	55.2	1.5	53.7	1.5
Federal TCSP	2.9	2.9	-	2.3
Federal Bus Intermodal Plan	9.0	9.0	-	2.2
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	-	2.2
Federal/Other	580.8	-	580.8	-
Total Revenues	1,421.8	782.2	639.6	203.7
	(a)	(b)	(c)	(d=a-b)
	Current Budget	Current Obligation	Current Expenditures	Current Available Balance
EXPENSES				
Program Management and Administration	101.9	55.0	50.9	46.9
Master Cooperative Agreements	12.0	2.8	2.3	9.2
Real Estate including ROW Acq	27.0	11.9	11.9	15.1
Special Programs	0.3	-	-	0.3
Procurement/Vehicles	60.0	-	-	60.0
Maintenance and Operations Facility Land	22.0	22.0	22.0	-
Construction - IFS	19.5	19.7	18.2	(0.2)
Construction - Pasadena to Azusa segment	330.8	314.8	76.6	16.0
Construction - Azusa to Montclair segment	658.8	-	-	658.8
Construction - M&O	46.0	44.0	6.2	2.0
Construction - Parking Structures	32.5	-	-	32.5
MTA Project Costs	64.0	16.0	13.2	48.0
Contingency	27.4	-	-	27.4
Project Reserve	19.6	-	-	19.6
Total Project	1,421.8	486.2	201.3	935.6