Metro Gold Line Foothill Extension Project

Monthly Project Status Report

June 2014



Metro Gold Line

Connecting Los Angeles, the San Gabriel Valley and Inland Empire



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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 \$1.719 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

Period Ending: June 30, 2014



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.

TPSS Delivery Dates

The traction power substations (TPSS) provide equipment to transform utility power required for Light Rail Vehicle (LRV) propulsion, and then distribute that power to the LRVs via the overhead wires. Metro is responsible for purchasing the traction power substations. Currently, Metro's schedule indicates that the traction power substation delivery schedule is late. This is a major concern for the Authority as it has potential to impact the project schedule; however, staff is coordinating with Metro and FTC to ensure minimal impact to the project.



KEY ACTIVITIES COMPLETED THIS PERIOD

FTC reports the following SBE statistics for the month of May:

- Current SBE commitment: \$ 59,500,000
- SBE percent committed versus value of Project: 17.96%
- Overall Authority Project SBE goal: 16%

FTC reports the following approximate safety statistics to date:

- o 796,175 total work hours performed by FTC, Mass Electric, and Subcontractors
- o 10 recordable injuries reported
- 2 lost time injuries reported

Webcor reports the following DBE statistics for the month of June:

- o Current DBE commitment: \$ \$781,099.00
- o DBE percent paid-to-date versus value of Project: 2.5%
- o Overall Authority Project DBE goal: 2.3%

Webcor reports the following approximate safety statistics to date:

- 60,690 total work hours performed by Webcor and Subcontractors
- 0 recordable injuries reported
- 0 lost time injuries reported

Continued trackwork at the Gold Line Operations Campus (Campus) - 60% complete

Nearing completion of structural steel work at the Main Shop Building in the Campus

Completed structural steel work for the car cleaning building in the Campus

Continued construction of light rail mainline track - 62% complete

Continued OCS and Site Lighting Pole erection at the Campus and throughout the Alignment

Continued installation of train control cases/bungalows and associated equipment

Continued bridge work at Huntington and Foothill

Completed bridge work at Kincaid

Continued work at all stations - 81% complete (structural elements)

Continued construction of Magnolia, Mountain, and Virginia grade crossings

Completed installation of freight track between San Gabriel River Bridge and San Gabriel Avenue

Authority continued reviewing design submittals for Azusa-Citrus and Irwindale structures and enhancements

Continued construction of Arcadia, Monrovia, Irwindale, and Azusa-Citrus Parking Structures



KEY FUTURE ACTIVITIES

Continue discussions with corridor cities regarding the project

Continue management of the Alignment contract, which will include oversight of construction activities and preparation for start-up activities

Continue to meet with Intermodal Parking Facilities and Enhancements Project contractor, Webcor Builders regarding design of the Project

Continue installation of mainline OCS

Continue installation of train control cases/bungalows and associated equipment

Complete trackwork at the Campus

Complete construction of the Foothill and Huntington bridges

Complete construction of all stations

Finish work at Virginia, Magnolia, and Mountain grade crossings

Finalize design for the following Parking Facilities: Azusa Citrus, Irwindale, and Duarte

Finalize the following property acquisitions:

Arcadia:

- 1. Parcel 13010/1311 (Indiana St.) Conveyance from City of Arcadia after construction.
- 2. Parcel 1401a (Huntington Dr. Aerial Easement) Conveyance from City of Arcadia after construction.
- 3. Parcel 1401b (Huntington Dr. Bridge Abutments) Conveyance from City of Arcadia after construction.
- 4. Parcel 1403 (99 N. Second Av.) Preparing legal description.
- 5. Parcel 1308 (223 N. First Av.) Revising legal description. Expecting pre-judgment possession in August.
- 6. Parcel 6009 (Huntington Dr. Bridge Abutments) Conveyance from City of Arcadia after construction.
- 7. Parcel 6010 (Huntington Dr. Bridge Abutments) Conveyance from City of Arcadia after construction.
- 8. Parcel 6011 (Huntington Dr. Bridge Abutments) Conveyance from City of Arcadia after construction.

• Monrovia:

- 1. Parcel 1601 (Encino Av.) Conveyance from City of Monrovia.
- 2. Parcel 1903 (Monrovia Station) Conveyance from City of Monrovia.
- 3. Parcel 21A12 (3M Parking Lot) Waiting for legal description/as-builts.
- 4. Parcel 21A23 (Shamrock Trapezoid) Conveyance from City of Monrovia.

• Duarte:

1. Parcel 6041/6042 (1500 Duarte Rd) – Accepted. Ready to sign contract.

· Irwindale:

1. Parcel 3302a (MillerCoors easement for power utilities) - Negotiating.

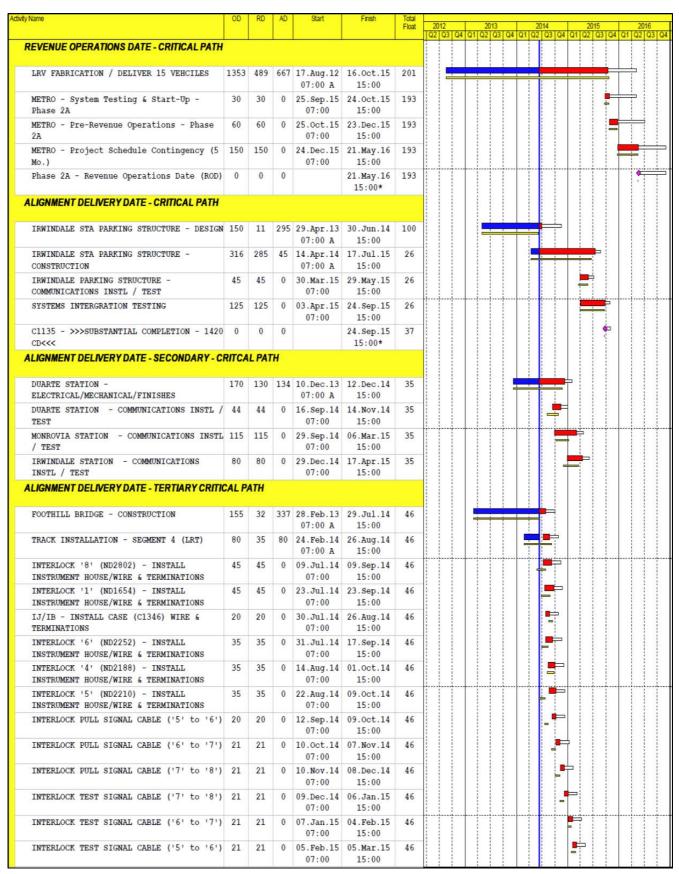
• Azusa:

- 1. Parcel 3501 (1220 W. Foothill Blvd.) Preparing legal description.
- 2. Parcel 6033 (809 E. Santa Fe) Accepted. Reviewing PSA.

Period Ending: June 30, 2014

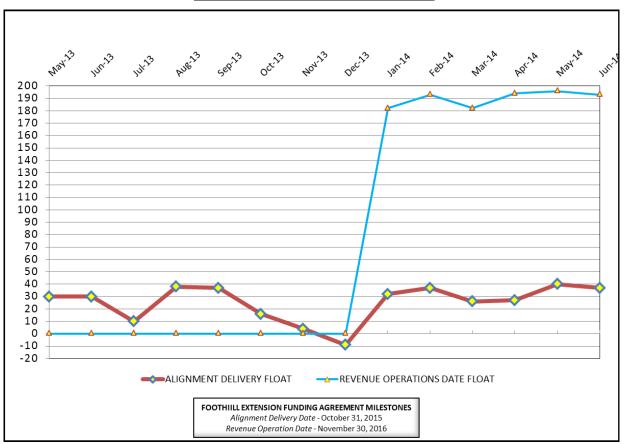


CRITICAL PATH SCHEDULE





CRITICAL PATH FLOAT TREND



Revenue Operations Date Critical Path - (193 Calendar Days)

This period, the Metro Light Rail Vehicle Procurement revised the forecast of the acceptance of the 15th of 78 vehicles to October 16, 2015. As result, the LRV procurement delivery has become secondary critical path to the Alignment Delivery. Upon achieving Substantial Completion on the C1135 Contract, the critical path for meeting the Revenue Operations Date will continue through the Metro Systems Testing & Startup, which will then continue through Pre-Revenue Testing and five month schedule contingency. The anticipated ROD date is May 21, 2016. However, Metro is forecasting a March 2016 Revenue Operations Date.

Alignment Delivery Date Critical Path - (37 Calendar Days / 26 Work Days)

This period, FTC completed the Foothill Freight Bridge and the relocation of the freight track. The critical path for the Alignment Delivery has now shifted to the Irwindale Parking Structure, which is being constructed by the Webcor. Upon reaching the completion of the elevator installation, FTC will be granted access to complete the communications installation at the Irwindale Parking Structure. The critical path continues through systems integration testing and upon completion, FTC will achieve Substantial Completion and turn-over to Metro for Pre-Revenue Testing.

Other elements of construction work, which are in progress and near critical are Huntington Dr bridge fabrication, Foothill LRT bridge installation, Segment 1 track installation, Segment 3 & 4 OCS installation, Segment 4 grading & Ductbank. Facility work, which is near critical includes Citrus Parking Structure and the Maintenance & Operations Campus..

Project Float

The project float for the Revenue Operations Date decreased to 193 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 decreased 3 days this period. The Alignment Delivery Date is currently 37 days ahead the October 31, 2015 deadline.

METRO GOLD LINE FOOTHILL EXTENSION CONSTRUCTION AUTHORITY

Monthly Project Status Report

Period Ending: June 30, 2014



Description: Alignment Design / Build **Status:** June 15, 2014

Contract No.: C1135 Contractor: Foothill Transit Constructors (Kiewit-Parsons J.V.

Progress Completed This Period Design

- . Submit AFC Design Mountain Ave Changes
- Submit AFC Design Train Control Book of Plans
- Submit AFC Design Communications Revisions
- Submit AFC Design Train Control Test Group 'C'
- Submit AFC Design Mountain/Duarte Traffic Changes

Activities Planned Next Period

Design

- . Submit AFC Design Train Control Installation
- Submit AFC Design Retaining Wall 984.3
- Submit AFC Design Traction Power Revisions

Construction

• See "Construction Progress This Period"

Construction

• See "Construction Progress Next Period"

Areas of Concern

 Huntington Bridge - The Huntington Bridge fabrication is near critical. The completion of the bridge is critical to support the final track installation by October 2014. The Design-Build Contractor will have to complete the bridge fabrication and delivery at an accelerated rate in order to meet the construction schedule requirements. The bridge, which will be fabricated in China must be delivered for installation by August 2014. The Authority staff are closely monitoring the fabrication progress.

Areas of Concern (Continued)

METRO GOLD LINE FOOTHILL EXTENSION CONSTRUCTION AUTHORITY

Monthly Project Status Report

Period Ending: June 30, 2014



Description: Alignment Design / Build **Status:** June 15, 2014

Contract No.: C1135 Contractor: Foothill Transit Constructors (Kiewit-Parsons J.V.)

Cost Summary:

CONTRACT Contract Award Value: 485.9 Executed Change Orders: 10.8 Current Contract Value: 496.6 Potential Change Orders: 5.3 Current Forecast: 501.9 Earned Value/Actual Cost 332.3

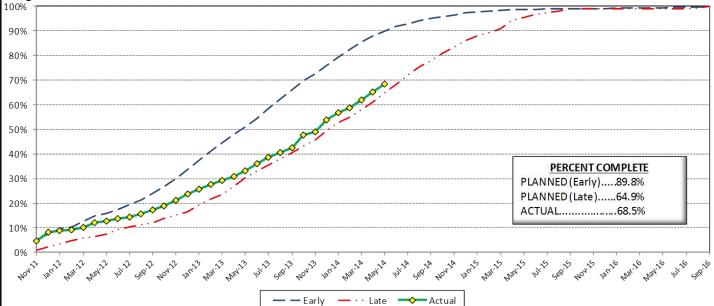
AUTHORIZTION FOR EXPENDITURE Budget 507.9 Commitment 496.6 Balance 6.0

Cost Assessment:

This period the Contract forecast increased \$221 Thousand. The major increase were due to PCO 047 - M&O Body Shop Changes, PCO 081 - Eliminate Train Coming' Signs, PCO 082 - M & O Guard House Changes.

The Design-Build Contractor has eamed 332.3 Million and is currently 68.5% complete. The progress is currently 21.3% behind the early planned curve, which is due to fabrication and delivery progress for materials such as Special Track Work, Steel Bridge Girders and M&O Equipment. In addition, the Segment 3 2, &1 track work installation, Azusa Citrus and Irwindale Stations are behind the baseline plan.

Progress Curve



Schedule Summary:

Contract Award: 07/27/11

Interim Notice to Proceed (INTP): 11/03/11

Original Contract Duration: 1,780 Calendar Days

Current Contract Duration: 1,780 Calendar Days

Elapsed Time from NTP: 955 Calendar Days

Contract Milestones

		Original	Current		
M ilestones	Description	Contract	Contract	Fo rec ast	Variance
1	Substantial Completion	09/23/15	09/23/15	09/24/15	(1)
2	Punchlist Complete	06/19/16	06/19/16	06/20/16	(1)
3	Final Completion	09/17/16	09/17/16	09/18/16	(1)
4	Access - IFS Br.	12/15/12	12/15/12	12/15/2012 A	0
5	Test Track Complete	03/27/15	03/27/15	01/27/15	59
6	Colorado Br. Demo Complete	02/01/12	02/01/12	6/15/2012 A	(135)

Schedule Assessment:

The Design-Build Contractor re-sequenced the station communication installation activities, which has now put the Duarte Station mechanical and electrical installation critical to support the stations communication bungalows and equipment. In addition to station mechanical and electrical, the communications bungalow fabrication and delivery is also critical to support the on schedule installation.

With the completion of the Foothill freight bridge and the freight track re-alignment complete, the Foothill LRT bridge is now near critical to support the remaining Segment 4 track work installation and follow on train control installation activities.

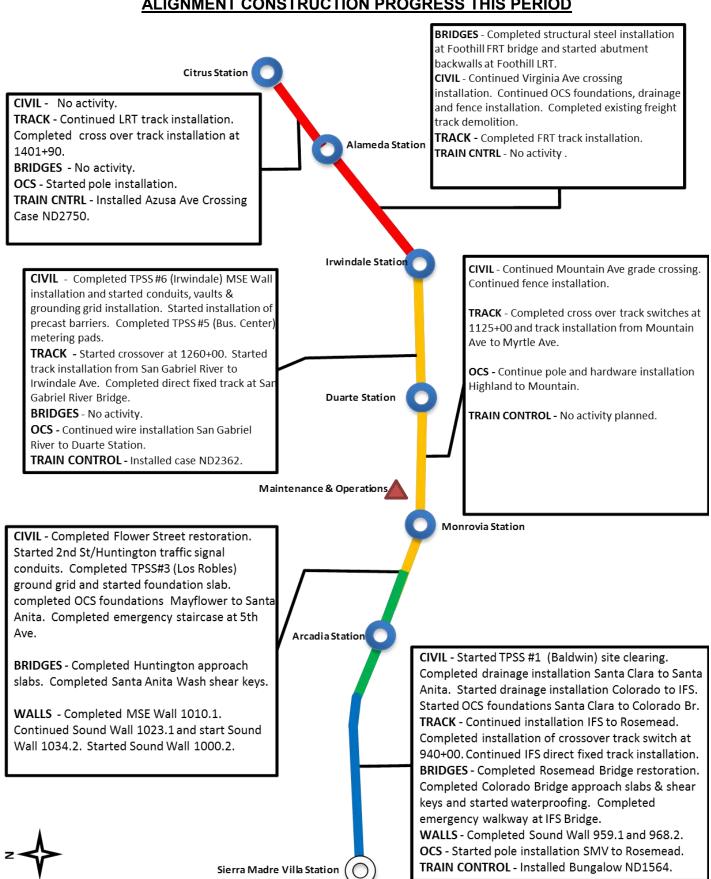
The Huntington bridge is currently being fabricated in China, and is expected to be shipped by mid July 2014 and delivered to the site by August 2014 The Huntington bridge installation is critical to support the final Segment 2 track section installation.

The Test Track Completion is forecast to be available on January 27, 2015, which is 59 days ahead of the target date.

Period Ending: June 30, 2014



ALIGNMENT CONSTRUCTION PROGRESS THIS PERIOD





FACILITY CONSTRUCTION PROGRESS THIS PERIOD

Citrus Ave Station

STATION - Installed 2" water line.

PARKING - Completed level 2 and level 3 excavation. Started geo pier installation.

STATION - Completed platform access ramps and stairs.

PARKING - No activity.

Alameda Station

STATION - Completed North and South platform platform walls. Started North and South Platform metal deck installation.

PARKING - No activity.

Irwindale Station

CIVIL - Started East side Shammrock Ave street restoration. Completed regrading south track areas and start subballast placement.

WALLS - Completed screen wall installation.

TRACK - Continue installation of embedded track at MOW.

STRUCTURES - M&O Building continued structural steel installation. Completed 2nd floor concrete deck. Started 3rd floor concrete deck. Start ed exterior CMU walls and metal stud framing. Car Wash - Started structural steel installation.

Cleaning Platform - no activity. Material Storage - Completed CMU walls. MOW Building - Started metal stud framing.

Maintenance & Operations

OCS - No activity planned.

STATION - Started canopy metal roofing installation. Continued underplatform conduit installation and plumbing. Started pedestrian crossing equipment installation.

PARKING - No activity planned.

Duarte Station

STATION - Completed stairs and access ramps. Continued underplatform conduit installation.

PARKING - Completed slab on grade placement and CMU Ramp walls. Started Level 1 deck.

Monrovia Station

Arcadia Station

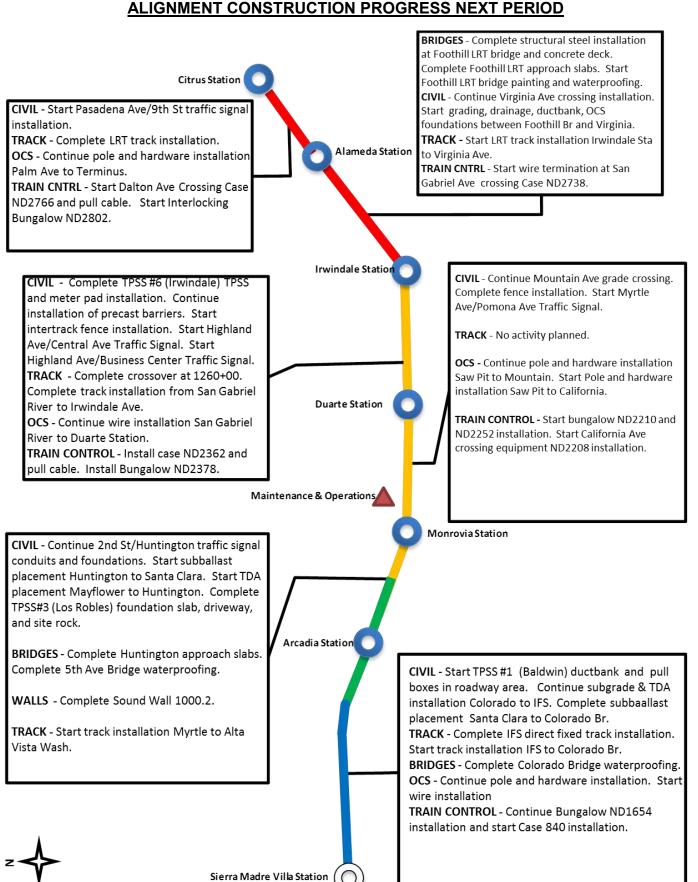
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STATION - No activity

PARKING - Completed Level 2 deck. Started Level 2 barrier walls and light pole bases. Started biofiltration area. Started elevator tank. Started clock tower footing. Started plaza electrical conduits and irrigation pipes. Started water lines.

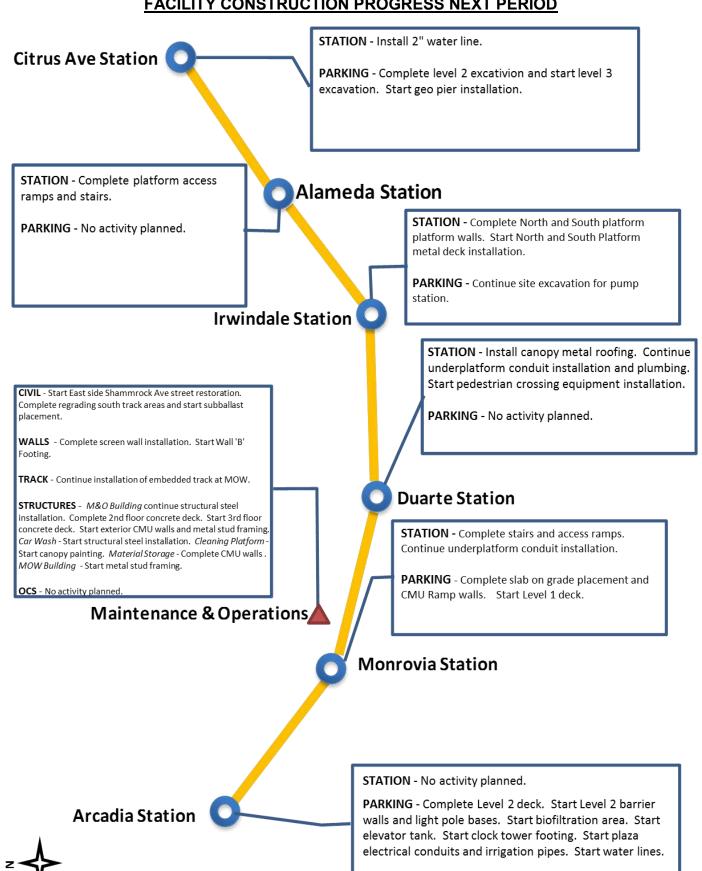
Period Ending: June 30, 2014







FACILITY CONSTRUCTION PROGRESS NEXT PERIOD





ALIGNMENT CONSTRUCTION IMAGES

Segment 1: IFS Track 2 - Direct Fixation





Segment 2: Ductbank work between Huntington and 5th

Segment 3: Track Welding West of SGRB





ALIGNMENT CONSTRUCTION IMAGES (CONTINUED)



Segment 4: Irwindale Station - Deck Forming Work

Operations Campus: Main Shop Ceiling Joist Brace Welding





Operations Campus: Wheel Truing Shop Structural Steel Work

Metro Gold Line Foothill Extension Construction Authority



406 East Huntington Drive, Suite 202

Monrovia, CA 91016

Date: 7/28/2014 Page: 1 of 4

Change Management Risk Log

Project: C1135 Alignment - FTC Contract #: C1135

Original Contract Amount:	\$485,867,000				
Approved Change Orders:	\$11,104,148	2.29%	Potential Additional E	xposure:	
Current Contract Total:	\$496,971,148		Open Proposals (PCOs, RFCs, DIRs)	\$3,236,004	0.67%
Pending Change Orders:	\$2,412,912	0.50%	Disputed Proposals and Changes:	\$0	0.00%
Pending Contract Total:	\$499,384,060	2.78%	Potential Contract Total:	\$502,620,064	3.45%

Number	Change Management	Title	Initiated Date	Approved Date	Outstanding Days	Time Extension	Amount
EXECU	TED Chang	e Orders					
001.00	000.00	Interim NTP	11/3/2011	11/3/2011	0		\$0
002.00	013.00	Colorado Bridge Haz Mat	5/17/2012	5/18/2012	1		\$121,382
002.01	013.01	Colorado Bridge HazMat - Final	9/5/2012	9/7/2012	2		\$13,164
003.00	001.00	Sound Wall Deletion - Duarte Road	7/12/2012	7/18/2012	6		(\$74,707)
004.00	018.00	Revise Block Design - CBD Calc	8/23/2012	8/29/2012	6		\$3,986
004.01	018.01	Revise Block Design - CBD Calc - 2	9/5/2013	9/11/2013	6		\$0
005.00	023.00	Wayside Signal Aspect Revision	9/6/2012	9/7/2012	1		\$26,072
005.01	023.01	Wayside Signal "Call On" Function	10/30/2013	11/1/2013	2		\$75,169
006.00	040.00	Arcadia Frieze, Bench-Artist Design	9/6/2012	9/10/2012	4		\$13,683
006.01	040.01	Arcadia Frieze, Bench-Construction	3/7/2013	3/12/2013	5		\$155,894
007.00	019.02	Soils Testing Abutments & Fdns	9/14/2012	9/18/2012	4		\$44,993
00.800	041.00	Unknown Utilities RFCN 005 006 008	9/14/2012	9/18/2012	4		\$132,450
009.00	038.00	Illuminate City Names @ Stations	9/18/2012	9/24/2012	6		\$184,657
010.00	046.00	SGRB - Lead Based Paint Remediation	9/21/2012	9/24/2012	3		\$244,536
011.00	004.00	Station Architectural Changes	10/11/2012	10/12/2012	1		\$443,950
012.00	003.01	Systems and Testing for Added TPSS	12/13/2012	12/14/2012	1		\$1,443,193
013.00	005.02	IDIQ Comm Contract (Rev 2)	12/14/2012	1/22/2013	39		\$698,259
014.00	060.00	Sewer Encasement Changes in Azusa	12/18/2012	1/24/2013	37		\$141,354
015.00	037.02	M&O - Materials Storage Revisions	12/26/2012	1/15/2013	20		\$62,862
015.01	037.03	M&O Storage Shelving Revisions	9/16/2013	9/19/2013	3		\$20,380
016.00	002.00	Relocation of Access Road to 3M Fac	12/26/2012	1/16/2013	21		\$53,814
017.00	025.00	3 Electrical Casings for ALW	2/27/2013	3/1/2013	2		\$219,033
018.00	073.00	Hazardous Abatement at Bridges	1/15/2013	2/6/2013	22		\$1,081,803
019.00	054.00	City of Hope Conduits	1/11/2013	1/22/2013	11		\$34,313
020.00	059.00	Citrus TPSS Transformer Pad Changes	2/6/2013	2/7/2013	1		\$34,536
021.00	075.00	Demo & Replace Palm Dr. Roadway	2/7/2013	2/14/2013	7		\$90,365
022.00	077.00	M&O Differing Site Conditions; Pt 1	2/13/2013	2/15/2013	2		\$66,360
022.01	093.00	M and O DSC T and M Work Part 2	3/8/2013	3/12/2013	4		\$66,625
022.02	103.00	M and O DSC Part 3	3/27/2013	3/28/2013	1		\$35,211
022.03	115.00	DSC at M and O Part 4	5/3/2013	5/7/2013	4		\$5,706
023.00	089.00	Contaminated Soil Abatement	2/26/2013	2/27/2013	1		\$422,068
024.00	068.00	Monrovia Sound Wall Panel Change	2/26/2013	2/28/2013	2		(\$24,150)
025.00	052.00	Santa Anita Trail Detour	3/8/2013	3/12/2013	4		\$27,691
026.00	070.00	Block Type Change at M&O Building	3/26/2013	3/26/2013	0		\$35,016
027.00	065.00	M&O IT Changes-Duct Banks/Conduits	3/26/2013	3/26/2013	0		\$88,650
027.01	065.01	M&O IT Changes - Power to WAP	9/4/2013	9/6/2013	2		\$73,049
027.02	065.02	M&O IT Changes - Remaining Work	7/16/2014	7/17/2014	1		\$155,991
028.00	039.01	Delete Layover Building	4/11/2013	4/12/2013	1		(\$313,832)
029.00	095.00	8in Sanitary Sewer Line- Alameda Av	4/23/2013	4/25/2013	2		\$226,089
029.01	095.01	Alameda Sewer Line Revised Scope	11/22/2013	11/26/2013	4		(\$37,425)
030.00	102.00	M&O-Disconnect Switches, Insulators	4/23/2013	4/25/2013	2		\$67,817



406 East Huntington Drive, Suite 202

Monrovia, CA 91016

Date: 7/28/2014 Page: 2 of 4

Change Management Risk Log

Project: C1135 Alignment - FTC Contract #: C1135

Chan	ige Order	S					
Number	Change Management	Title	Initiated Date	Approved Date	Outstanding Days	Time Extension	Amount
EXECU	TED Chang	e Orders					
031.00	110.00	Rmv Abandoned Utility Line @ Dalton	4/23/2013	4/25/2013	2		\$1,562
032.00	104.00	Highland Ave Abandoned CMP sleeves	5/1/2013	5/3/2013	2		\$15,005
033.00	114.00	Remove contaminated wood culvert	5/3/2013	5/7/2013	4		\$4,714
034.00	128.00	M&O Backup Power/Generator Changes	5/13/2013	5/21/2013	8		\$121,340
035.00	083.00	M&O Vehicle Sanding System Changes	5/21/2013	5/24/2013	3		\$27,463
036.00	006.00	IFS Related Contract Changes	6/7/2013	6/11/2013	4		(\$263,111)
037.00	137.00	CTS Redesign	7/12/2013	7/16/2013	4		\$58,214
038.00	138.00	Segment 4 Safety Manager	7/12/2013	7/16/2013	4		\$157,274
038.01	138.01	Segment 4 Safety manager - Part 2	11/19/2013	11/21/2013	2		\$72,963
038.02	138.02	Segment 4 Safety Manager - Part 3	4/3/2014	4/7/2014	4		\$82,271
039.00	085.00	M&O Drainage System Enhancements	7/19/2013	8/13/2013	25		\$251,579
040.00	067.00	Station Paver Changes	7/23/2013	8/13/2013	21		\$728,340
040.01	067.01	Rebar Changes for Station Pavers	10/28/2013	10/31/2013	3		\$10,586
041.00	112.00	12" Pasadena Waterline Potholes	8/12/2013	8/16/2013	4		\$19,735
042.00	150.00	Demo Abandoned Water Lines @ Dalton	8/12/2013	8/16/2013	4		\$5,937
043.00	007.01	Emer. Backup for Guideway Lighting	8/16/2013	10/1/2013	46		\$359,158
044.00	172.00	Contaminated Wood Culvert Sta. 1202	8/27/2013	8/28/2013	1		\$7,712
045.00	139.00	BLS Changes	8/28/2013	9/4/2013	7		\$110,801
046.00	165.00	Azusa-Alameda Station; 2nd Portal	8/28/2013	9/4/2013	7		\$77,175
047.00	145.00	St. Joseph drainage enhancements	9/4/2013	9/6/2013	2		\$17,592
048.00	149.00	M&O - Lights at NW Corner Park	9/4/2013	9/6/2013	2		\$29,351
049.00	174.00	TPSS #5 Cal-Am Power Conflict	9/4/2013	9/6/2013	2		\$127,260
050.00	171.00	Relocate Access Stair to Foothill	9/4/2013	9/6/2013	2		\$20,276
051.00	173.00	Dalton 8" Water Line Work	9/5/2013	9/12/2013	7		\$35,316
052.00	071.00	Duarte Rd Screen Wall Change	9/5/2013	9/17/2013	12		(\$133,864)
053.00	176.00	Remove Contaminatd Wood-Buena Vista	9/10/2013	9/12/2013	2		\$5,543
054.00	147.00	DECCO Bypass	9/10/2013	9/12/2013	2		\$18,519
055.00	166.00	Foothill Blvd. Water/SD Relocation	9/20/2013	9/20/2013	0		\$127,074
056.00	186.00	Contaminated Wood @ San Gabriel Ave	9/23/2013	9/24/2013	1		\$4,291
057.00	194.00	California/Duarte Water Line Work	10/28/2013	10/31/2013	3		\$220,743
058.00	189.00	Four Utility Changes	10/28/2013	10/31/2013	3		\$14,157
059.00	180.00	Remove/Dispose of ACM E of Highland	10/30/2013	11/1/2013	2		\$29,311
060.00	179.00	CTS Upgrade to OC-192	10/30/2013	11/1/2013	2		\$112,543
061.00	213.00	Irwindale On-ramp Stockpile	11/8/2013	11/21/2013	13		\$200,185
062.00	053.00	Delete Totten Tubes Scope of Work	11/8/2013	11/21/2013	13		(\$143,801)
063.00	146.00	Home Depot Striping and Signing	11/15/2013	11/21/2013	6		\$21,003
064.00	204.00	Unknown Duct Bank @ San Gabriel Ave	11/15/2013	11/21/2013	6		\$1,265
065.00	140.00	M&O-Overhead Work Platform Changes	12/5/2013	12/16/2013	11		\$317,656
066.00	217.00	Buried SD & Headwall, STA 1306+50	12/6/2013	12/17/2013	11		\$1,020
067.00	219.00	Contaminated Soil, Monrovia Station	12/12/2013	12/17/2013	5		\$17,503
068.00	220.00	DSC at Sawpit Wash Abutments	12/12/2013	12/17/2013	5		\$12,668
069.00	188.00	Costco Emergency Gate-Path to POS	1/21/2014	1/22/2014	1		\$19,882
070.00	214.00	M&O - Generator Load Bank	1/21/2014	1/22/2014	1		\$38,092
071.00	224.00	Alameda South Water Line Tie-in	1/30/2014	1/31/2014	1		\$6,330
072.00	202.00	Aesthetic Lighting Provisions-SGRB	2/3/2014	2/4/2014	1		\$27,055
073.00	160.00	Move Mountain Interlocking Bungalow	2/11/2014	2/13/2014	2		\$68,596
074.00	200.00	M&O Parts Carousel Warranty & PM	2/11/2014	2/13/2014	2		\$68,906
075.00	235.00	Remove Contaminated Wood Ties	2/14/2014	2/18/2014	4		\$4,571
076.00	234.00	Accelerate Work at California Ave	2/14/2014	2/18/2014	4		\$5,663
077.00	247.00	Line Stop in California	2/18/2014	2/20/2014	2		\$14,524
Change Mar	nagement Risk Log	rev 2013-02-02 ADL					f_fthl_chm_risk_log

Metro Gold Line Foothill Extension Construction Authority



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Monrovia, CA 91016

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Change Management Risk Log

Project: C1135 Alignment - FTC Contract #: C1135

Number	Change Management	Title	Initiated Date	Approved Date	Outstanding Days	Time Extension	Amount
EXECU	TED Chang	e Orders					
078.00	201.00	Added Sound Wall, SW of IFS	2/27/2014	2/28/2014	1		\$18,20
079.00	238.00	M&O-MOW Canopy Structural Eval	2/27/2014	2/28/2014	1		\$7,14
080.00	232.00	Car Moving Tractor-Coupler Upgrade	2/27/2014	2/28/2014	1		\$177,14
081.00	242.00	Car Moving Tractor Options/Features	2/27/2014	2/28/2014	1		\$69,099
082.00	091.00	Rockvale Water Line Mitigation	3/4/2014	3/5/2014	1		\$163,750
082.01	091.01	Rockvale Water Line-EIC credit	4/11/2014	4/14/2014	3		(\$5,391
083.00	251.00	Cut and Move Rail to Segment 1	3/4/2014	3/5/2014	1		\$249,934
084.00	218.00	Delete Equipment at ROC	3/26/2014	3/27/2014	1		(\$91,708
085.00	239.00	Install Sound Wall Door @ STA. 1169	3/26/2014	3/27/2014	1		\$12,737
086.00	250.00	Change Top Row of Block Wall 1124.1	3/26/2014	3/27/2014	1		\$3,688
087.00	229.00	Irwindale TPSS-Adjust Eqpt. Layout	4/3/2014	4/7/2014	4		\$17,878
088.00	262.00	Provisional Sum Adjustment	4/3/2014	4/7/2014	4		\$0
089.00	261.00	Longer DF Bolts - SGRB	4/3/2014	4/7/2014	4		\$17,331
090.00	169.02	M&O Tramming Table Changes (rev. 2)	4/11/2014	4/14/2014	3		\$54,083
091.00	181.00	Alameda Utility Changes	4/11/2014	4/14/2014	3		(\$9,599
092.00	241.00	Business Center TPSS Crane Changes	4/23/2014	4/28/2014	5		\$13,65
093.00	276.00	Myrtle Early Completion Incentive	4/23/2014	4/28/2014	5		\$160,000
094.00	254.00	Drainage East of Pasadena Ave.	4/23/2014	4/28/2014	5		\$6,569
095.00	275.00	Remove Rail Ties at 1st/Santa Clara	4/23/2014	4/28/2014	5		\$2,270
096.00	274.00	Buried Concrete @ Huntington Bridge	4/23/2014	4/28/2014	5		\$2,819
097.00	269.00	Asbestos Pipe at Duarte and Myrtle	4/23/2014	4/28/2014	5		\$6,583
098.00	278.00	Abandoned Gas Line at California	5/6/2014	5/7/2014	1		\$8,170
099.00	170.00	M&O Car Wash Betterments	5/6/2014	5/7/2014	1		\$166,144
100.00	223.00	M&O-Volume Control for PA Speakers	5/6/2014	5/7/2014	1		\$38,105
101.00	283.00	Track Work Around at Mountain Ave	5/6/2014	5/7/2014	1		\$29,996
102.00	284.00	Install 115# Buffer Rails in Seg. 1	5/6/2014	5/7/2014	1		\$29,442
103.00	230.00	Azusa-Citrus Ped Crossing Operation	5/6/2014	5/7/2014	1		\$84,183
104.00	231.00	Red Signal Violation Indication	6/3/2014	6/3/2014	0		\$335,134
105.00	253.00	Remove Stem Wall along Duarte Rd.	6/11/2014	6/12/2014	1		\$37,527
106.00	271.00	DVR Changes	7/16/2014	7/17/2014	1		\$181,301
						Subtotal:	\$11,104,148
						Subtotal:	\$11,104,148
PENDI	NG Change	Orders					
107.00	260.00	M&O Supplemental Fire Water System	7/16/2014		12		\$1,642,824
108.00	163.00	1st/Santa Clara Grade X-ing Changes	7/25/2014		3		\$156,177
109.00	164.00	M&O Body Shop Changes	7/25/2014		3		\$488,598
110.00	256.00	Monrovia North Bunglow LCP Changes	7/25/2014		3	_	\$125,313
						Subtotal:	\$2,412,912
						Subtotal:	\$2,412,912
						Total:	\$13,517,060

Open P	COs						
PCO Number	Title	PCO Amount	CSP Amount	Initiated Date	Outstanding Days	Time Extension	Risk
OPEN							
027.01	M&O / 3M Fence Revisions (rev 1)	\$869,343		07/29/13	364		\$869,343
029.00	Del. Irwindale/Gladstone Mitigation	(\$82,215)		01/07/13	567		(\$82,215)

Metro Gold Line Foothill Extension Construction Authority



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Change Management Risk Log

Project: C1135 Alignment - FTC Contract #: C1135

PCO Number	Title	PCO Amount	CSP Amount	Initiated Date	Outstanding Days	Time Extension	Risk
PEN							
053.01	Irwindale Ramp Changes (Rev 1)	\$84,497		10/29/13	272		\$84,497
059.00	Mayflower Driveway/Wall Credit	(\$25,000)		11/05/13	265		(\$25,000)
068.01	M&O - MOW Canopy Solar	\$767,000		04/17/14	102		\$767,000
070.00	Irwindale Security Kiosk Provisions	\$25,000	\$178,044	03/11/14	139		\$178,044
070.01	Irwindale Security Kiosk - Part 2	\$0		07/18/14	10		\$0
073.00	Virginia TPSS Access Road	\$20,000		03/13/14	137		\$20,000
075.00	Comm. Changes Parking Structures	\$30,000		03/21/14	129		\$30,000
076.00	M&O Tactile Guidance Changes	\$15,000		03/21/14	129		\$15,000
077.00	TES Load Flow Simulation	\$6,600		04/17/14	102		\$6,600
079.00	M&O - Accent Colors	\$58,000		05/14/14	75		\$58,000
080.00	Delete Evergreen / Myrtle Mitigation	(\$17,500)		05/14/14	75		(\$17,500)
081.00	Eliminate 'Train Coming' Signs	\$25,000		06/06/14	52		\$25,000
082.00	M&O - Guard House Changes	\$40,000		06/06/14	52		\$40,000
084.00	M&O Service Vehicle Pathways	\$125,000		07/29/14	-1		\$125,000
						Subtotal:	\$2,093,769

Total: \$2,093,769

RFC Number	Title	RFC Amount	CSP Amount	Initiated Date	Outstanding Days	Time Extension	Risk
OPEN							
022.00	MandO Facility Train Control and Si	\$1,142,235		01/31/14	178	Subtotal:	\$1,142,235 \$1,142,235

Total: \$1,142,235

Open RFC Notices

Number	Title
037.00	DSC at Santa Anita Wash Abutment 1
044.00	DSC Utility at Azusa Avenue
057.00	Rmvl Contmntd Wd Mtrls Stanta Anita
080.00	Irwindale Signal Case Location

METRO GOLD LINE FOOTHILL EXTENSION CONSTRUCTION AUTHORITY

Monthly Project Status Report

Period Ending: June 30, 2014



Description: Intermodal Parking Facilities & Enhancements Status: June 15, 2014

Contract No.: C1150 Contractor: Webcor Builders

Progress Completed This Period Design

• Submit AFC Design - Azusa-Citrus Parking Structure (partial)

Activities Planned Next Period Design

- Submit AFC Design Azusa-Citrus Enhancements
- . Submit AFC Design Azusa-Citrus Parking Structure
- · Submit Schedule of Values Azusa-Citrus

Areas of Concern

IRWINDALE PARKING STRUCTURE DESIGN - The Authority has issued the Design-Build Contractor a Potential Change Order to revise the location of the Irwindale Parking Structure from the current location identified in the 85% design submittal. The revised design will require the parking structure to be moved in order to avoid a utility conflict with the existing SCE distribution line. The redesign effort will impact the completion of the AFC design and potentially impact the Substantial Completion milestone. The parking structure package is expected to be completed by June 2014.

Areas of Concern (Continued)

- IRWINDALE SITE PUMP STATION The site excavation, which is
 near complete has been suspended because the excavation for the
 pump station invert is within the railroad zone of influence. The
 Design-Build Contractor will re-design the pump station to avoid the
 installation of railroad shoring. The re-design will impact the
 completion of the site preparation.
- IRWINDALE SCE POLE SHORING The existing SCE pole, which
 was left in place to avoid relocation requires shoring to complete the
 site excavation. The Design-Build Contractor shoring design was
 submitted to SCE for approval this period. The shoring approval and
 installation are is required to start the completion of site excavation
 and MSE wall construction.

METRO GOLD LINE FOOTHILL EXTENSION CONSTRUCTION AUTHORITY

Monthly Project Status Report

Period Ending: June 30, 2014



Description: Intermodal Parking Facilities & Enhancements Status: June 15, 2014

50.3

49.1

Contract No.: C1150 Contractor: Webcor Builders

CONTRACT Contract Award Value: 48.8 Executed Change Orders: 0.4 Current Contract Value: 49.1 Potential Change Orders: 0.1 Current Forecast: 49.2 Earned Value/Actual Cost 17.0

AUTHORIZTION FOR EXPENDITURE

Budget

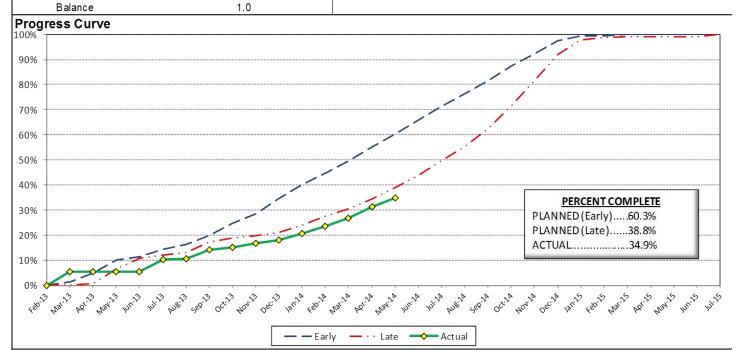
Commitment

Cost Assessment:

The current cost forecast is 49.2 Million. The forecast decreased \$66 Thousand from the previous period. The decrease is due to CO 004 - *Irwindale Structure Relocation*. The current forecast is within the authorized budget.

The Design-Build Contractor has eamed 17.0 Million and is currently 34.9%

The Design-Build Contractor is trending beyond the late curve, which is due to the progress of the *Irwindale Parking Structure*, and *Azusa-Citrus Parking Structure*, AFC designs. In addition, the Design-Build Contractor has not submitted a schedule of values for Contract Document Requirement List (CDRL) bid items, which is also having an impact on progress reporting.



Contract Award: 02/27/13 Notice to Proceed (NTP): 03/20/13 Original Contract Duration: 845 Calendar Days Current Contract Duration: 845 Calendar Days

452

Calendar Days

		Original	Current		
Milestones	Description	Contract	Contract	Fo recast	Variance
1	Substantial Completion	03/15/15	03/15/15	07/17/15	(124)
2	Punchlist Complete	05/29/15	05/29/15	09/30/15	(124)
3	Final Completion	07/13/15	07/13/15	11/14/15	(124)
4	TPSS Work	03/01/14	03/01/14	3/31/2014 A	(30)

Schedule Assessment:

Elapsed Time from NTP:

Schedule Summary:

The critical path is currently through the Irwindale site preparation. Although the site has been excavated, the start of the pump station construction was suspended due to the Design-Build Contractor's re-design of the structure. The structure was re-designed to avoid the installation of railroad shoring. As a result, the installation of the soil nail wall and MSE walls can not begin until the pump station structure reaches the second of four concrete lifts. At this time, the pump station re-design has not been approved and the construction start will slip to mid July 2014.

Contract Milestones



PARKING FACILITY CONSTRUCTION IMAGES

Arcadia Parking Structure Site Overview





Monrovia Parking Structure Site Overview

Monrovia Parking Structure Site Overview





PARKING FACILITY CONSTRUCTION IMAGES

Irwindale Parking Structure Site Excavation





Rebar reinforcement for shotcrete walls at Azusa-Citrus Parking Structure

Azusa-Citrus Parking Structure Overview



Metro Gold Line Foothill Extension Construction Authority



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Change Management Risk Log

Date: 7/28/2014
Page: 1 of 2

Project: C1150 Parking - Webcor Contract #: C1150

Original Contract Amount:	\$48,750,000				
Approved Change Orders:	\$363,046	0.74%	Potential Additional E	cposure:	
Current Contract Total:	\$49,113,046		Open Proposals (PCOs, RFCs, DIRs)	\$230,477	0.47%
Pending Change Orders:	(\$36,542)	-0.07%	Disputed Proposals and Changes:	\$0	0.00%
Pending Contract Total:	\$49,076,504	0.67%	Potential Contract Total:	\$49,306,981	1.14%

Number	Change Management	Title	Initiated Date	Approved Date	Outstanding Days	Time Extension	Amount
EXECU	TED Chang	e Orders					
001.00	001.00	Monrovia Parking Alternative Layout	6/25/2013	7/11/2013	16		\$21,382
001.01	001.01	Monrovia Alternative - Cancelation	9/17/2013	10/7/2013	20		(\$12,006)
002.00	003.00	Clock Tower Procurement	7/3/2013	7/11/2013	8		\$107,246
003.00	002.00	Relocate Elevator @ Azusa-Citrus PF	12/18/2013	1/8/2014	21		\$159,899
005.00	018.00	Monrovia Demo Unforseen Conditions	3/18/2014	3/26/2014	8		\$17,013
006.00	010.00	Arcadia Transit Plaza Betterments	3/14/2014	3/26/2014	12		\$35,466
007.00	009.01	Irwindale Intersection Betterments	3/25/2014	3/26/2014	1		\$19,985
00.800	017.00	Irwindale Intersection Water Line	3/25/2014	4/14/2014	20		\$7,748
009.00	020.00	Unforeseen Underground Demo-Arcadia	6/13/2014	7/9/2014	26	_	\$6,313
						Subtotal:	\$363,046
						Subtotal:	\$363,046
PENDIN	NG Change	Orders					
004.00	013.00	Irwindale Structure Relocation	1/23/2014		186	90	(\$65,564)
010.00	011.00	Soldano TPSS Added ROW Fence	7/24/2014		4		\$8,481
011.00	024.00	SCE Power Feed to DB2 Arcadia TPSS	7/24/2014		4		\$17,199
012.00	025.00	Additional Sidewalk at Arcadia	7/24/2014		4	_	\$3,342
						Subtotal:	(\$36,542)
						Subtotal:	(\$36,542)
						Total:	\$326,504

PCO Number	Title	PCO Amount	CSP Amount	Initiated Date	Outstanding Days	Time Extension	Risk
PEN							
004.00	TPSS Grounding Grid Modifications	(\$75,000)	(\$153,856)	05/09/13	445		(\$153,856)
008.00	Azusa-Citrus Plaza Pavers	\$14,140		08/13/13	349		\$14,140
012.00	Additional Conduit Provisions	\$85,000	\$31,904	11/25/13	245		\$85,000
013.00	Primrose Avenue cul-de-sac Deletion	(\$20,000)		01/23/14	186		(\$20,000)
014.00	Delete Azusa-Alameda Enhancements	(\$77,113)		01/30/14	179		(\$77,113)
015.00	Monrovia Canopy & Color Betterments	\$230,000		03/06/14	144		\$230,000
016.00	Parking Facility Artwork	\$0		05/06/14	83		\$0
						Subtotal:	\$78,171

Metro Gold Line Foothill Extension Construction Authority



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Change Management Risk Log

Project: C1150 Parking - Webcor Contract #: C1150

RFC Number	Title	RFC Amount	CSP Initiated Amount Date	Outstanding Days	Time Extension	Risk
PEN	Title	Amount	Amount Date	Days	Extension	Nisk
007.00	Added PME Switch & 2 Spare Conduits	\$96,088	06/09/14	49		\$96,088
010.00	Metro Requested EV Charger Upgrades	\$0	07/14/14	14		\$0
011.00	Comm. Duct Bank Interface with DB2	\$46,982	06/09/14	49		\$46,982
012.00	SCE Capacitor Bank at Michillinda T	\$9,236	06/09/14	49		\$9,236
013.00	ETEL Enclosures	\$0	07/14/14	14		\$0
					Subtotal:	\$152,306

Open RFC Notices

Number	Title
003.00	Michillinda unforeseen items
005.00	Irwindale CCTV Power Pole
006.00	Michillinda Demo of DB2 Conduit
015.00	Metro Requested Elevator Vent Detai



AZUSA TO MONTCLAIR SEGMENT

ACTIVITIES COMPLETED THIS PERIOD

The Board, at its May 28, 2014 meeting, certified the First Addendum to the Phase 2B FEIR. This addendum replaced the at-grade crossing at Garey Avenue in Pomona with an aerial grade separation of the light rail tracks. The Authority held kick-off meetings with each corridor city to discuss the project. Authority and City staff are beginning the process of negotiating a Master Cooperative Agreement. The Authority has also initiated the restart of the Station Design Art Program (SDAR). The first SDAR meetings are planned to begin in September 2014. Staff continues to work on the following technical elements of the project:

- Continued advancement of the plan and profile drawings
- Authority staff met with AECOM to discuss scope of work for the right-of-way and composite existing Utility drawings
- Began development of geotechnical scope of work for AECOM to perform
- Began development of parking facilities scope of work for AECOM to perform

KEY FUTURE ACTIVITIES

The advanced conceptual engineering process is an 18-month process. Upon completion, the Azusa to Montclair segment will be ready for a design-build procurement. Upcoming activities include establishing coordination meetings with each corridor city, kickoff of the ROW drawing work, refinement of the alignment, completing the SDAR, and kickoff of utility drawings and geotechnical investigations.

Federal Transit Administration (FTA)

The Metro Board of Directors 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.



PHASE II FOOTHILL EXTENSION FINANCIAL STATUS

Project Operating Budget Summary in Millions of Dollars

June 30, 2014

	(a)	(b)	(c=a-b)	(d)
		Funding		
		Committed to	Uncom mitted	Revenues
FINANCIAL PLAN	Current Budget	Project	Funds	Received
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	810.5	777.0	33.5	371.3
Measure R - Azusa to Montclair	-	-	-	-
SANBAG	55.2	1.5	53.7	1.5
Federal TCSP	2.9	2.9	-	2.6
Federal Bus Intermodal Plan	9.0	9.0	-	3.4
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	-	2.5
Federal/Other	802.5	-	802.5	-
Total Revenues	1,719.0	818.2	900.8	406.6
	(a)	(b)	(c)	(d=a-b)
	Current	Current	Current	Current
	Budget	Obligation	Expenditures	Available Balance
EXPENSES				
Program Management and Administration	107.9	86.1	84.4	21.8
Master Cooperative Agreements	12.0	3.3	3.1	8.7
Real Estate including ROW Acq	21.0	21.0	18.1	-
Special Programs	0.3	-	-	0.3
Procurem ent/V ehicles	60.0	-	-	60.0
Maintenance and Operations Facility Land	22.0	22.0	22.0	-
Construction - IFS	19.8	19.8	19.8	-
Construction - Pasadena to Azusa segment	328.9	328.9	256.4	-
Construction - Azusa to Montclair segment	950.0	-	-	950.0
Construction - M & O	46.0	44.0	23.3	2.0
Construction - Parking Structures	44.2	44.2	17.0	-
MTA Project Costs	64.0	64.0	14.3	-
Contingency	27.4	-	-	27.4
Project Reserve	15.5	-	-	15.5
Total Project	1,719.0	633.3	458.4	1,085.7