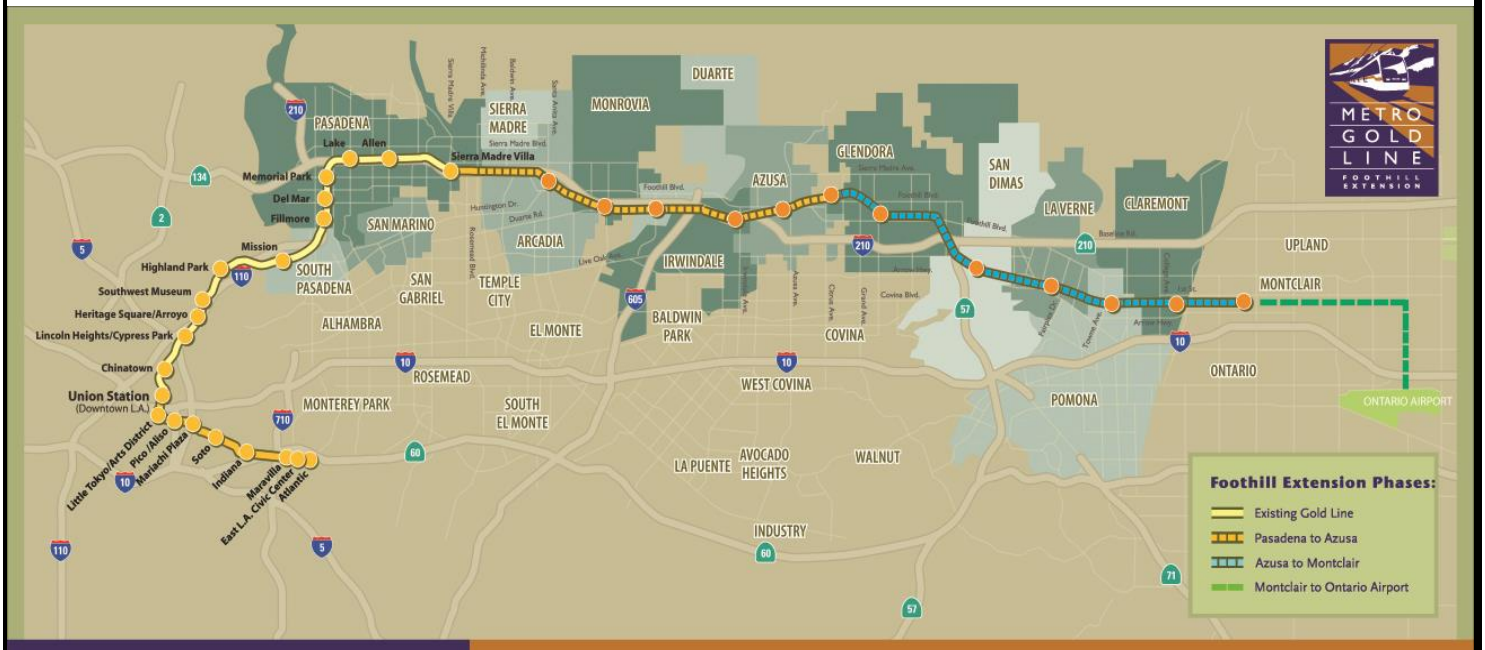
Metro Gold Line Foothill Extension Project

Monthly Project Status Report

August 2013



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 $1.7 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.

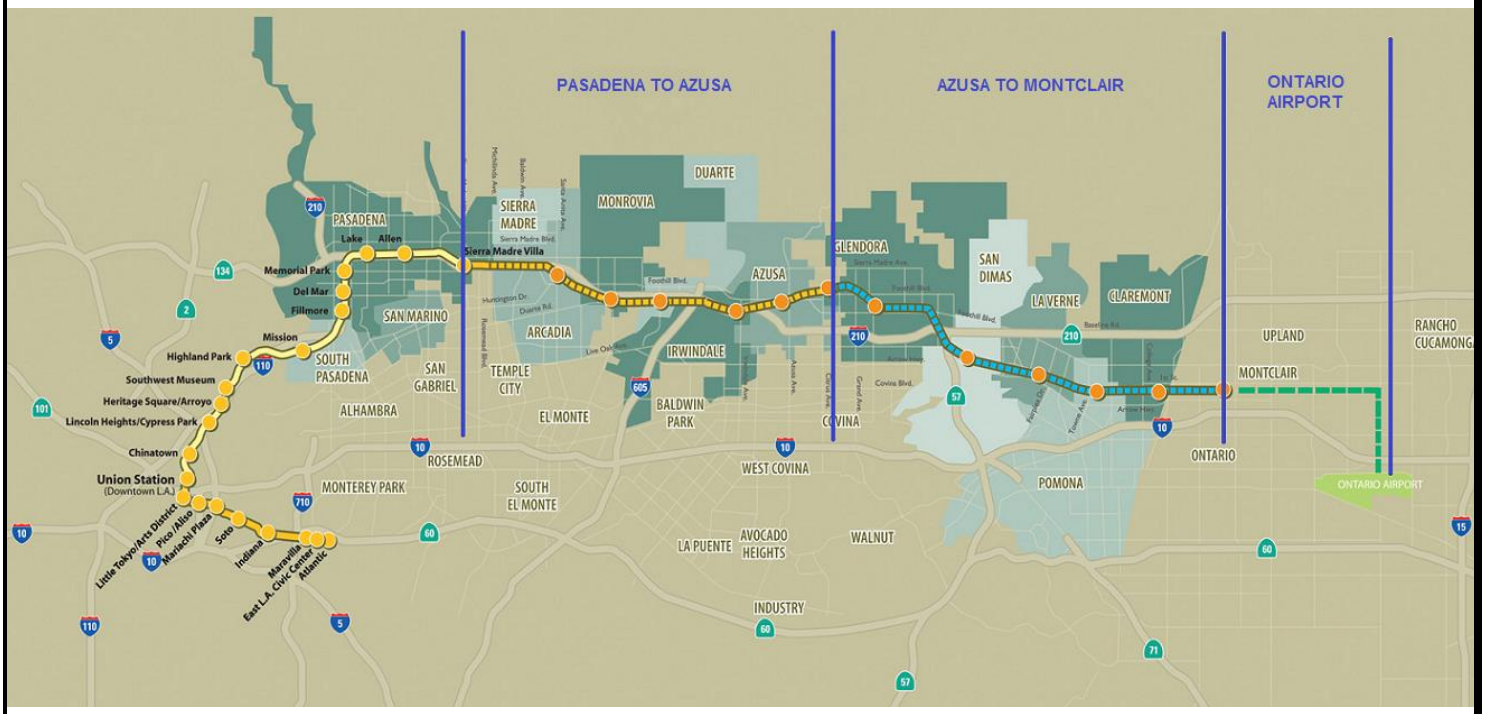


Figure 1: Metro Gold Line Foothill Extension Alignment

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.

KEY ACTIVITIES COMPLETED THIS PERIOD

Staff continued to attend coordination meetings with cities along the alignment

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

Held regular meetings with the C1135 (DB2) contractor, Foothill Transit Constructors (FTC) and participated in construction site visits and audits

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

- Current SBE commitment: $ 70,864,476
- SBE percent committed versus value of Project: 14.41%
- Overall Authority Project SBE goal: 16%

FTC reports the following approximate safety statistics to date:

- 356,000 total work hours performed by FTC, Mass Electric, and Subcontractors
- 2 recordable injuries reported
- 0 lost time injuries reported

Continued to review revised AFC drawings for C1135 project

Continued installation of utilities, underground systems, and foundations at the Gold Line Operations Campus (Campus)

Completed the MSE retaining wall construction (south of blow-down building) at the Campus

Completed barrier rail replacement in Segment 1 and continued Punch List work

Continued bridge work at Foothill, San Gabriel River, Santa Anita Wash, Alta Vista Wash, and Saw Pit Wash, and Santa Anita Avenue

Prepared for Punch List work at Palm and Citrus bridges

Continued work at Duarte, Monrovia and Arcadia Stations

Began construction of San Gabriel grade crossing and permanently closed Alameda

Continued construction at California grade crossing

Opened Pasadena and Buena Vista grade crossings

Continued alignment drainage ditch between Myrtle and Mountain Avenues

Continued to hold design and coordination meetings with DB3 contractor, Webcor Builders, for the Intermodal Parking Facilities and Enhancements Contract 1150

Reviewed 100% design submittals for first TPSS Sites

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 to attend to any issues that may come up by the cities or other stakeholders along the alignment

Complete utility installation and foundation work of new buildings at the Campus

Complete construction of the bridges at Foothill, San Gabriel River, Alta Vista Wash, Santa Anita Wash, Saw Pit Wash, and Santa Anita Avenue

Complete construction of the Duarte, Monrovia, and Arcadia Stations

Finish work at California and San Gabriel grade crossings

Begin work at First and Santa Clara and Mayflower grade crossings

Finalize design for first three Parking Facilities

Finalize the following property acquisitions:

- Arcadia:
    1. Parcel 1301a – Negotiating
    2. Parcel 1301b – Negotiating
    3. Parcel 1305 (108 E. Santa Clara Ave) – In escrow
    4. Parcel 1307 (125 N. First Ave) – Counter-offer to accepted
    5. Parcel 1308 (223 N. First Ave) – Seller's counter-offer to Board of Directors 10/9/2013
    6. Parcel 6034 (125 E. Wheeler Ave) – In escrow
    7. Parcel 6039 (325 N. Santa Anita Ave) – In escrow
    8. Parcel 6043 (400 N. Santa Anita Ave) – In escrow

- Monrovia:
    1. Parcel 1702 (1527 S. Mayflower Ave.) – In escrow
    2. Parcel 1802/6035/6030 (1522 S. Mayflower Ave) – Seller's counter-offer to Board of Directors 10/9/2013
    3. Parcel 1805/6035/6030 (1602 S. Mayflower Ave) – Seller's counter-offer to Board of Directors 10/9/2013
    4. Parcel 6045 (1703 S. Magnolia Ave.) – Offer accepted

5. Parcel 2101 (1713 S. California Avenue) – In escrow
6. Parcel 2201 (1711 Mountain Ave) – In escrow
7. Parcel 6049a (1703 S. Mountain Ave) – Appraisal underway. Set just compensation 10/9/2013
8. Parcel 6020 (1604 Radford Pl.) – In escrow

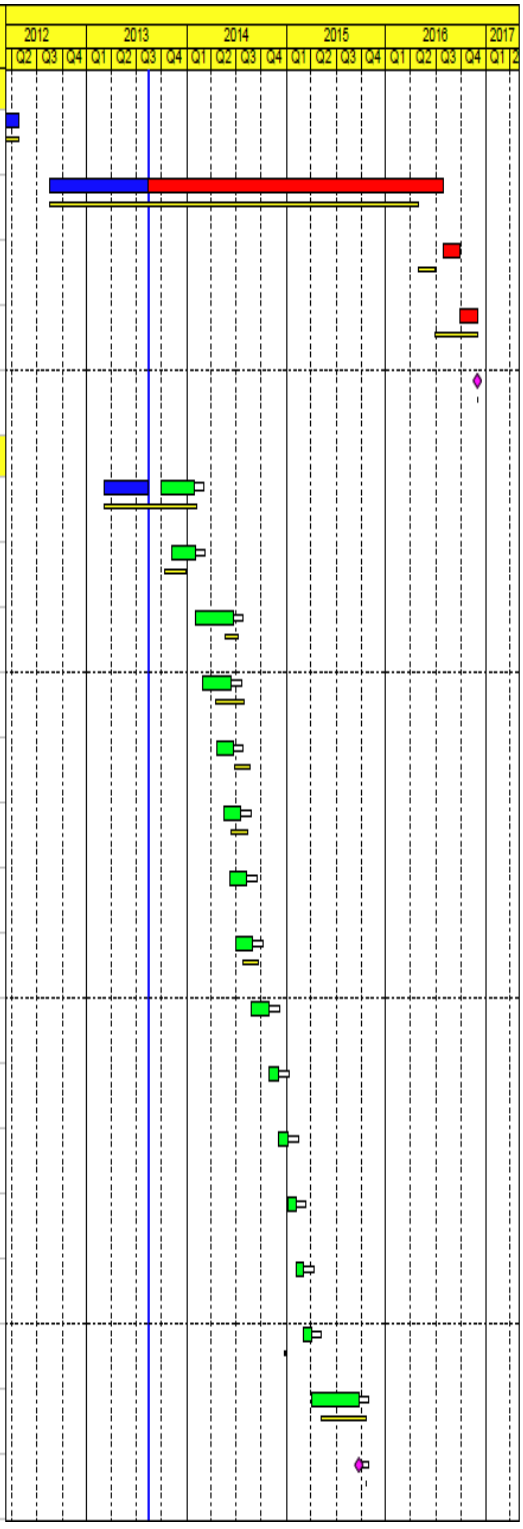
- Duarte:
  1. Parcel 2202 (904 Hamilton Rd.) – Counter-offer accepted
  2. Parcel 6041/6042 (1500 Duarte Rd) – Negotiating

- Irwindale:
  1. Parcel 6028 (16009 Avenida Padilla) – Authority offer expires 10/12

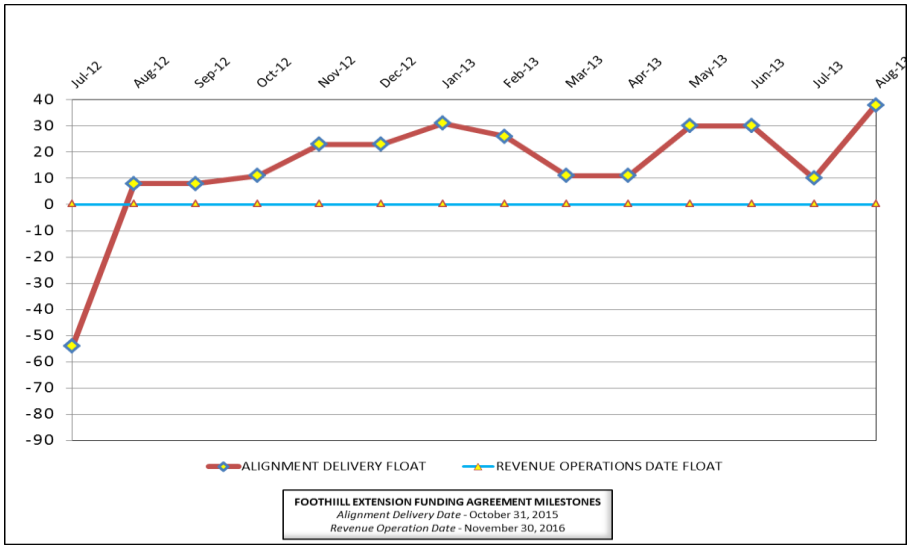
- Azusa:
  1. Parcel 6032 (819 W. 6th St) – Seller's counter-offer to Board of Directors 10/9/2013
  2. Parcel 6033 (809 E. Santa Fe) – Negotiating

CRITICAL PATH SCHEDULE

Activity Name	OD	RD	AD	Start	Finish	Total Float
REVENUE OPERATIONS DATE - CRITICAL PATH						
RFP - LRV PROCUREMENT	375	0	557	18.Oct.10 08:00 A	26.Apr.12 15:00 A	
LRV FABRICATION / DELIVER 15 VEHCILES	1353	1079	363	17.Aug.12 07:00 A	28.Jul.16 15:00	0
METRO - Pre-Revenue Operations - Phase 2A	60	60	0	29.Jul.16 07:00	26.Sep.16 15:00	0
METRO - Project Schedule Contingency (10 Mo.)	65	65	0	27.Sep.16 07:00	30.Nov.16 15:00	0
Phase 2A - Revenue Operations Date (ROD)	0	0	0		30.Nov.16 15:00*	0
ALIGNMENT DELIVERY DATE - CRITICAL PATH						
TRACK INSTALLATION - SEGMENT 4 (FRT)	220	86	116	06.Mar.13 07:00 A	27.Jan.14 15:00	27
DIRECT FIXED TRACK INSTALLATION - (SG RIVER BRIDGE)	60	60	0	08.Nov.13 07:00	30.Jan.14 15:00	27
DIRECT FIXED TRACK INSTALLATION - (IFS BRIDGE)	100	100	0	31.Jan.14 07:00	19.Jun.14 15:00	27
TRACK INSTALLATION - SEGMENT 1	75	75	0	28.Feb.14 07:00	12.Jun.14 15:00	27
INTERLOCK '1' - INSTALL INSTRUMENT HOUSE/WIRE & TERMINATIONS	45	45	0	21.Apr.14 07:00	20.Jun.14 15:00	27
INTERLOCK '3' - INSTALL INSTRUMENT HOUSE/WIRE & TERMINATIONS	45	45	0	19.May.14 07:00	18.Jul.14 15:00	27
INTERLOCK '8' - INSTALL INSTRUMENT HOUSE/WIRE & TERMINATIONS	45	45	0	09.Jun.14 07:00	08.Aug.14 15:00	27
INTERLOCK '2' - INSTALL INSTRUMENT HOUSE/WIRE & TERMINATIONS	45	45	0	30.Jun.14 07:00	29.Aug.14 15:00	27
INTERLOCK '7' - INSTALL INSTRUMENT HOUSE/WIRE & TERMINATIONS	45	45	0	28.Aug.14 07:00	29.Oct.14 15:00	27
INTERLOCK PULL SIGNAL CABLE ('6' to '7')	25	25	0	30.Oct.14 07:00	03.Dec.14 15:00	27
INTERLOCK PULL SIGNAL CABLE ('7' to '8')	25	25	0	04.Dec.14 07:00	07.Jan.15 15:00	27
INTERLOCK TEST SIGNAL CABLE ('7' to '8')	20	20	0	08.Jan.15 07:00	04.Feb.15 15:00	27
INTERLOCK TEST SIGNAL CABLE ('6' to '7')	20	20	0	05.Feb.15 07:00	04.Mar.15 15:00	27
INTERLOCK TEST SIGNAL CABLE ('5' to '6')	20	20	0	05.Mar.15 07:00	01.Apr.15 15:00	27
SYSTEMS INTERGRATION TESTING	125	125	0	02.Apr.15 07:00	23.Sep.15 15:00	27
C1135 - >>>SUBSTANTIAL COMPLETION - 1420 CD<<<	0	0	0		23.Sep.15 15:00*	38



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. This period, the anticipated delivery of the 56th of 78th vehicle slipped three (3) months. Due to the critical path delay, the project schedule contingency was reduced to mitigate the impacts on the adopted Metro Revenue Operations Date. The critical path continues through Metro Pre-Revenue Operations, and schedule contingency (2 months). The Metro Revenue Operations Date is currently on schedule for November 30, 2016.

Alignment Delivery Date Critical Path - (38 Calendar Days / 27 Work Days)

This period, the FTC revised the construction sequence to improve the delivery of the Alignment Contract. The revised sequence requires concurrent installation of track in three (3) of four (4) Segments. In addition, grade crossing installations and street restorations will be completed in a non-linear sequence.
The critical path has shifted to the completion of the freight track installation between the I-210 Freeway (Kincaid) Bridge and the San Gabriel River Bridge (SGRB). Upon completion of the freight track in this area, the critical path continues through the installation of the direct fixed light rail track at the SGRB, followed by the IFS. The critical path continues through the completion of Segment 1 LRT ballast track installation. After the ballast track has been completed at the location of Interlock '1' (Sierra Madre Villa), the installation of the train control interlock house (bungalow) will begin. The critical path continues through the train control installation and testing. Systems Integration will begin after train control testing is complete. Upon the completion of Systems Integration testing, FTC will achieve SC 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 improved 28 days this period. The Alignment Delivery Date is currently 38 days ahead of the October 31, 2015 deadline.

Description: Iconic Freeway Structure **Status:** August 15, 2013

Contract No.: C1134 **Contractor:** Skanska

Progress Completed This Period:

The Design-Build Contractor completed the re-submittal of the As-Built drawings.

Areas of Concern:

No concerns

Schedule Assessment:

The critical path to Final Acceptance is through the Caltrans review of the As-Built drawings. Upon the acceptance of the submittal from Caltrans, the Authority will issue Final Acceptance.

Cost Assessment:

The current Contract cost forecast is unchanged from last period. The forecast is 19.80 million and within the authorized budget.

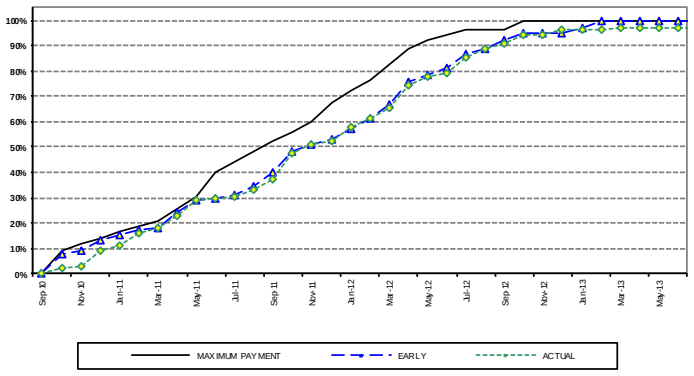
Schedule Summary:

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:	1,108	Calendar Days

Cost Summary:

	Million(s)
CONTRACT	
Contract Award Value:	18.57
Executed Change Orders:	1.23
Current Contract Value:	19.80
Potential Change Orders:	0.00
Current Forecast:	19.80
Earned Value/Actual Cost to Date	19.23
AUTHORIZATION FOR EXPENDITURE	
Budget	19.80
Commitment	19.80
Balance	0.00

Milestones	Description	Original Contract	Current Contract	Forecast	Variance
1	Substantial Completion	07/03/12	11/29/12	11/29/2012 A	0
2	Punchlist Complete	10/01/12	12/05/12	2/4/2013 A	(61)
3	Final Acceptance	12/30/12	03/05/13	09/20/13	(199)



Metro Gold Line Foothill Extension Construction Authority

406 East Huntington Drive, Suite 202

Monrovia, CA 91016

Change Management Log

Date: 9/25/2013

Project: C1134 IFS - Skanska Contract #: C1134

Original Contract Amount:	$18,570,092				
Approved Change Orders:	$1,228,939	6.62%	Pending Change Orders:	$0	0.00%
Current Contract Total:	$19,799,031		Pending Contract Total:	$19,799,031	6.62%

Change Orders

Number	Change Management	Title	Initiated Date	Approved Date	Outstanding Days	Time Extension	Amount
EXECUTED Change Orders							
001.00	001.00	Project Concept Advisor Services	2/15/2011	2/15/2011	0		$0
002.00	002.00	Professional Liability Insurance	3/9/2011	3/9/2011	0		$0
003.00	003.00	Sound Wall Requirement Changes	4/25/2011	4/25/2011	0		($38,552)
004.00	008.00	Deletion of Abutment 14	10/28/2011	10/28/2011	0		$41,739
005.00	009.00	Additional Superstructure Arch Chng	12/14/2011	12/15/2011	1		$122,259
006.00	010.00	Drainage System Location	12/22/2011	12/22/2011	0		$5,617
007.00	011.00	Caltrans Requested Renderings	3/1/2012	3/2/2012	1		$14,768
008.00	012.00	Time Extension	4/11/2012	4/13/2012	2	65	$0
009.00	005.00	Aesthetic Lighting, Misc Extra Work	7/18/2012	7/19/2012	1		$61,094
010.00	007.00	Architectural Features	9/5/2012	9/12/2012	7		$18,494
011.00	013.00	Retaining Walls at IFS Approaches	9/18/2012	9/18/2012	0	84	$732,762
012.00	015.00	Added Falsework Stripping Req'ts.	10/3/2012	10/4/2012	1		$24,918
013.00	006.00	Landscape/Hardscape	10/12/2012	10/17/2012	5		$79,967
014.00	016.00	Ceremony Prep and Misc. Added Work	2/15/2013	2/19/2013	4		$160,464
015.00	017.00	Purchase Additional Light Fixtures	2/28/2013	2/28/2013	0		$5,408
						Subtotal:	$1,228,939
						Subtotal:	$1,228,939
						Total:	$1,228,939

Description: Alignment Design / Build

Status: August 15, 2013

Contract No.: C1135

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

Cost Summary:

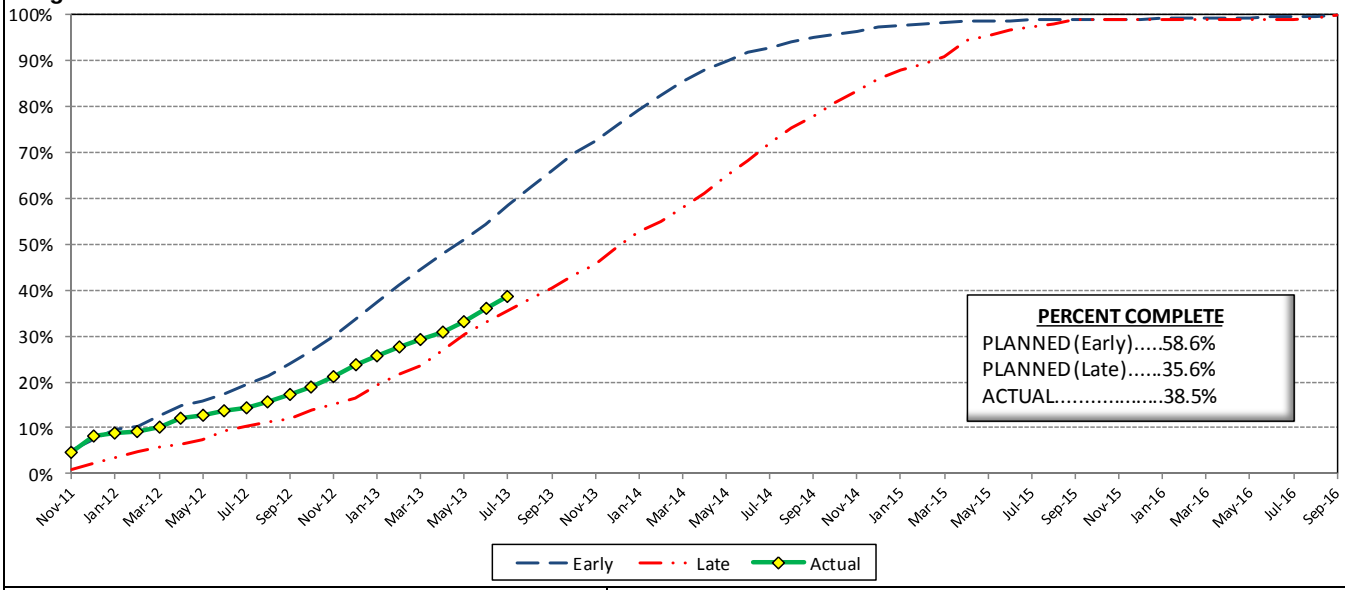
	Million(s)
CONTRACT	
Contract Award Value:	485.9
Executed Change Orders:	7.0
Current Contract Value:	492.9
Potential Change Orders:	3.2
Current Forecast:	496.0
Earned Value/Actual Cost	186.4
AUTHORIZTION FOR EXPENDITURE	
Budget	507.6
Commitment	503.6
Balance	7.5

Cost Assessment:

This period the Contract forecast increased $1.4 Million. The potential additional costs are due to PCO 010 - *Wayside Signal "Call On" Function,* PCO 22 - *M&O IT Changes,* PCO 047 - *M&O Body Shop Changes,* and PCO 051 - *CTS Upgrade to OC-192*. Costs were offset by decreases due to negotiated Change Orders CO 039 - *M&O Drainage System Enhancements,* CO 040 - *Station Paver Changes*, and CO 043 - *Emergency Backup for Guideway Lighting.*

The Design-Build Contractor has earned 186.4 Million and is currently 38.5% complete. The progress is currently 20.1% behind the early planned curve, which is due to fabrication and delivery progress for materials such as *Special Track Work*, *M&O Steel M&O Equipment, Bridge Rebar* and *Bridge Girders*.

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:	651	Calendar Days

Contract Milestones

Milestones	Description	Original Contract	Current Contract	Forecast	Variance
1	Substantial Completion	09/23/15	09/23/15	09/23/15	0
2	Punchlist Complete	06/19/16	06/19/16	06/19/16	0
3	Final Completion	09/17/16	09/17/16	09/17/16	0
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	03/23/15	4
6	Colorado Br. Demo Complete	02/01/12	02/01/12	6/15/2012 A	(135)

Schedule Assessment:

This period, the Design-Build Contractor re-sequenced the schedule and has mitigated twenty-eight (28) days from the Substantial Completion forecast. The Design-Build Contractor is now forecasting achieving Substantial Completion on the Contractual date of September 23, 2015. The re-sequenced plan will call for concurrent track installation in three areas and grade crossings will be constructed in a non-linear sequence. The critical path is currently through the completion of the freight track installation between I-210 Fwy Bridge and the San Gabriel River Bridge. The path continues through the direct fixed track installation at San Gabriel River Bridge, followed by the Iconic Freeway Structure, and Segment 1 ballast track. The remainder of the critical path continues through the train control installation and testing, followed by systems integration testing.

The Test Track Completion is forecast to be available on March 23, 2015.

Description: Alignment Design / Build **Status:** August 15, 2013

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

Progress Completed This Period

Design

- Submit AFC Design - Communications Book of Plans (Arcadia)
- Submit AFC Design - Communications Book of Plans (Monrovia)
- Submit AFC Design - Communications Book of Plans (Duarte)
- Submit AFC Design - Communications Book of Plans (SMV)
- Submit AFC Design - Communications Book of Plans (Irwindale)
- Submit AFC Design - Communications Book of Plans (Alameda)
- Submit AFC Design - Communications Book of Plans (Citrus)
- Submit AFC Design - Traction Power Package 7
- Submit AFC Design - Traction Power Package 6
- Submit AFC Design - Train Control Book of Plans (Zone 2)
- Submit AFC Design - Fire Tank - M&O
- Submit 100% Design - Train Control Book of Plans (Zone 1)

Construction

- See "Construction Progress This Period"

Activities Planned Next Period

Design

- Submit 100% Design - Train Control Book of Plans (Zone 3)
- Submit AFC Design - SCADA 100%
- Submit AFC Design - Traction Power Package 8
- Submit AFC Design - Water / Sewer @ Shamrock
- Submit AFC Design - Segment 3 Drainage - Myrtle
- Submit AFC Design - Traction Power Package 9

Construction

- See "Construction Progress Next Period"

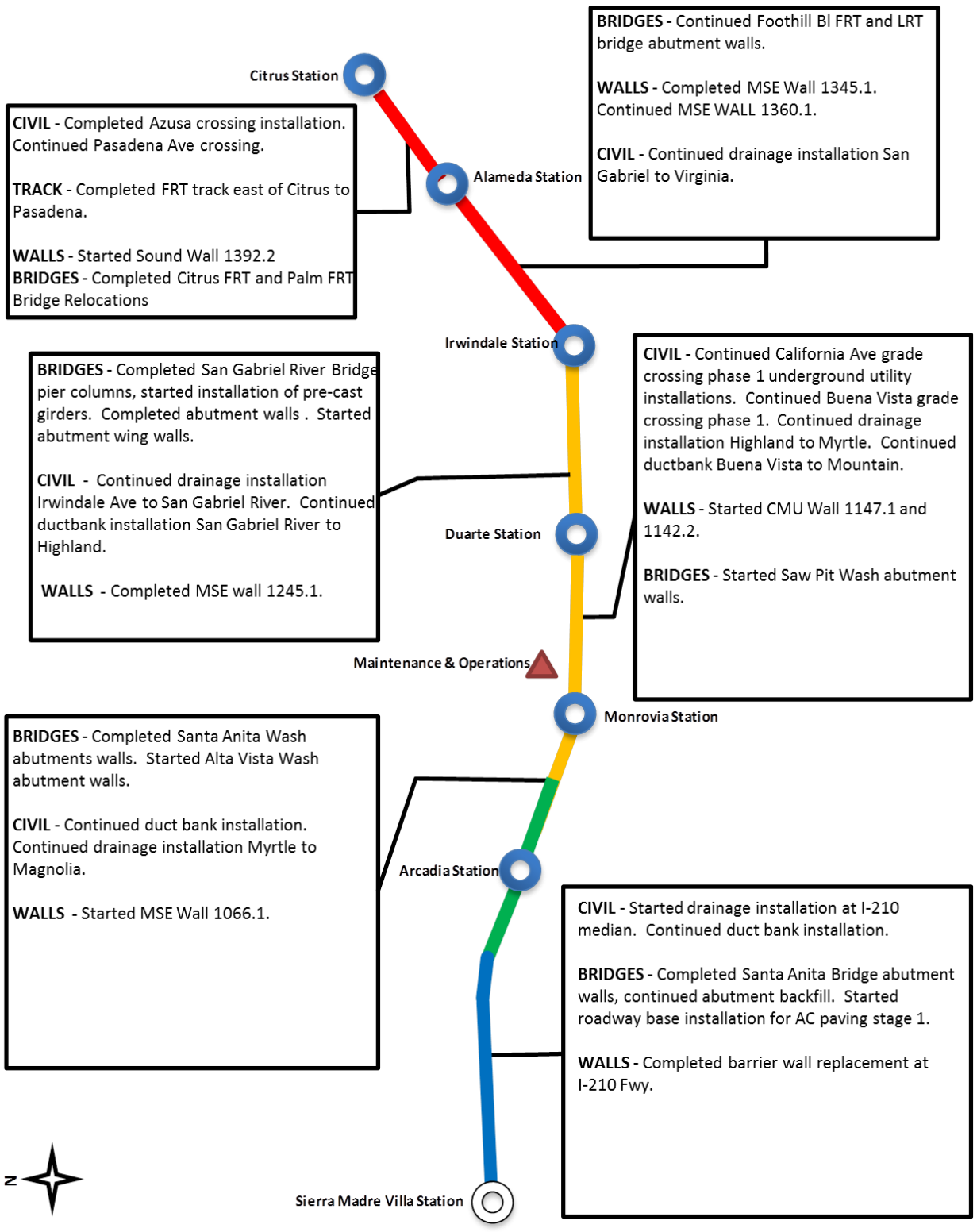
Areas of Concern

- ***Grade Crossing Schedule.*** The Grade crossing durations and schedules are slipping due to productivity. The Authority is working with the Design-Build Contractor to plan grade crossing activities and complete the work within the constraints established by Cities. The Design-Build Contractor has implemented the revised grade crossing sequence and has mitigated potential CPM schedule delays. However, the Design-Build Contractor has indicated in the revised schedule, that the re-sequence was due to additional schedule requirements by the Cities and may require additional costs.

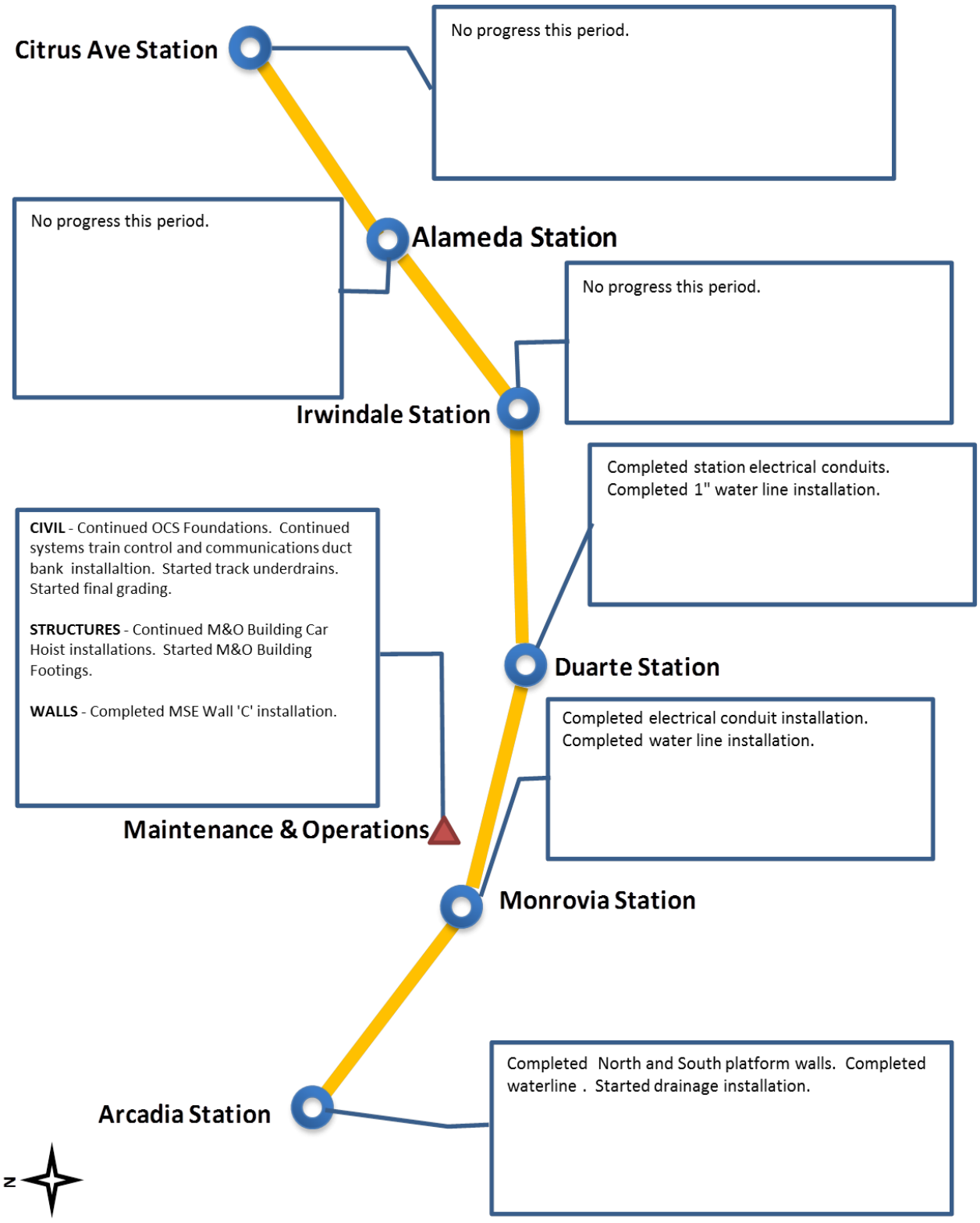
Areas of Concern (Continued)

- ***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.

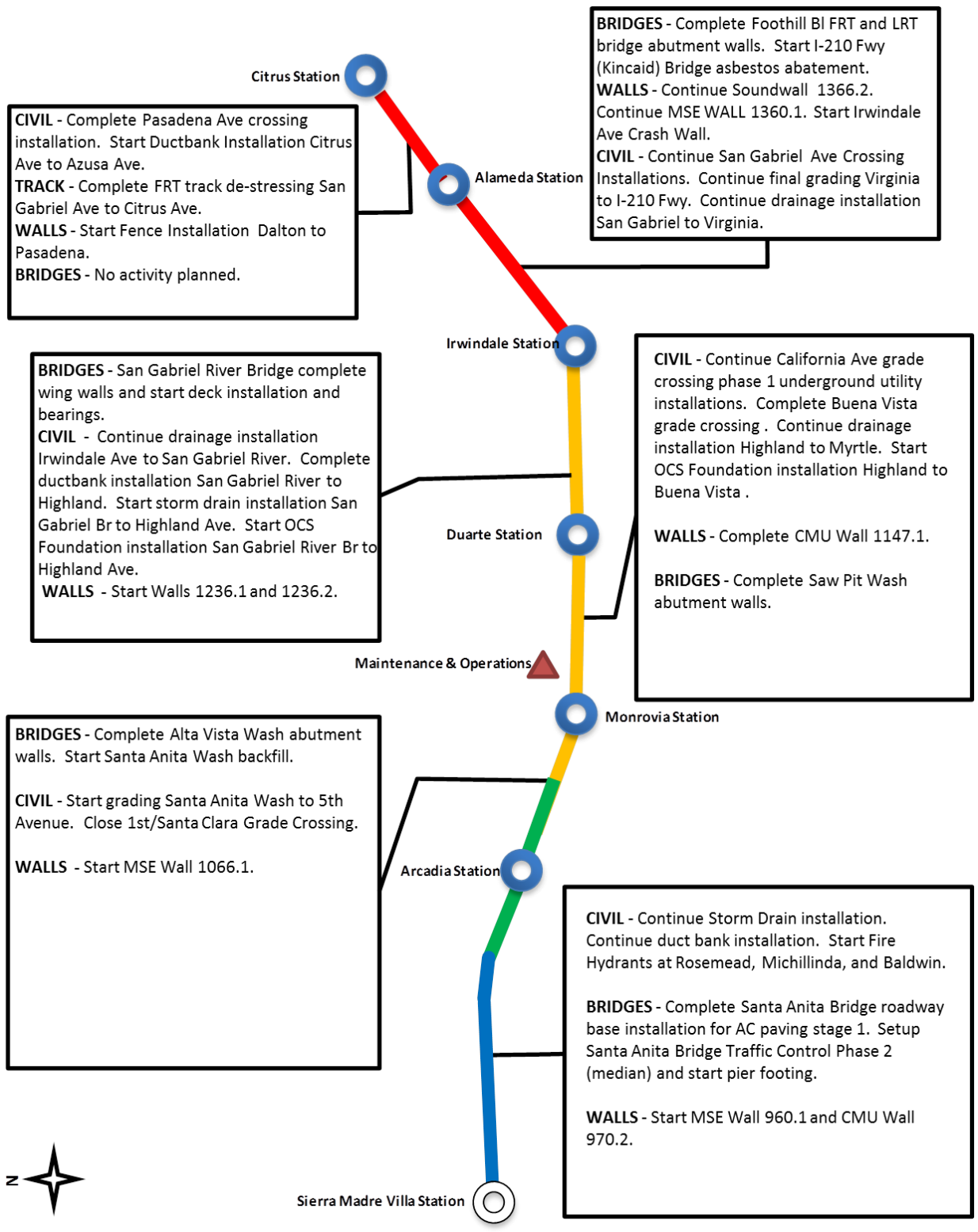
ALIGNMENT CONSTRUCTION PROGRESS THIS PERIOD



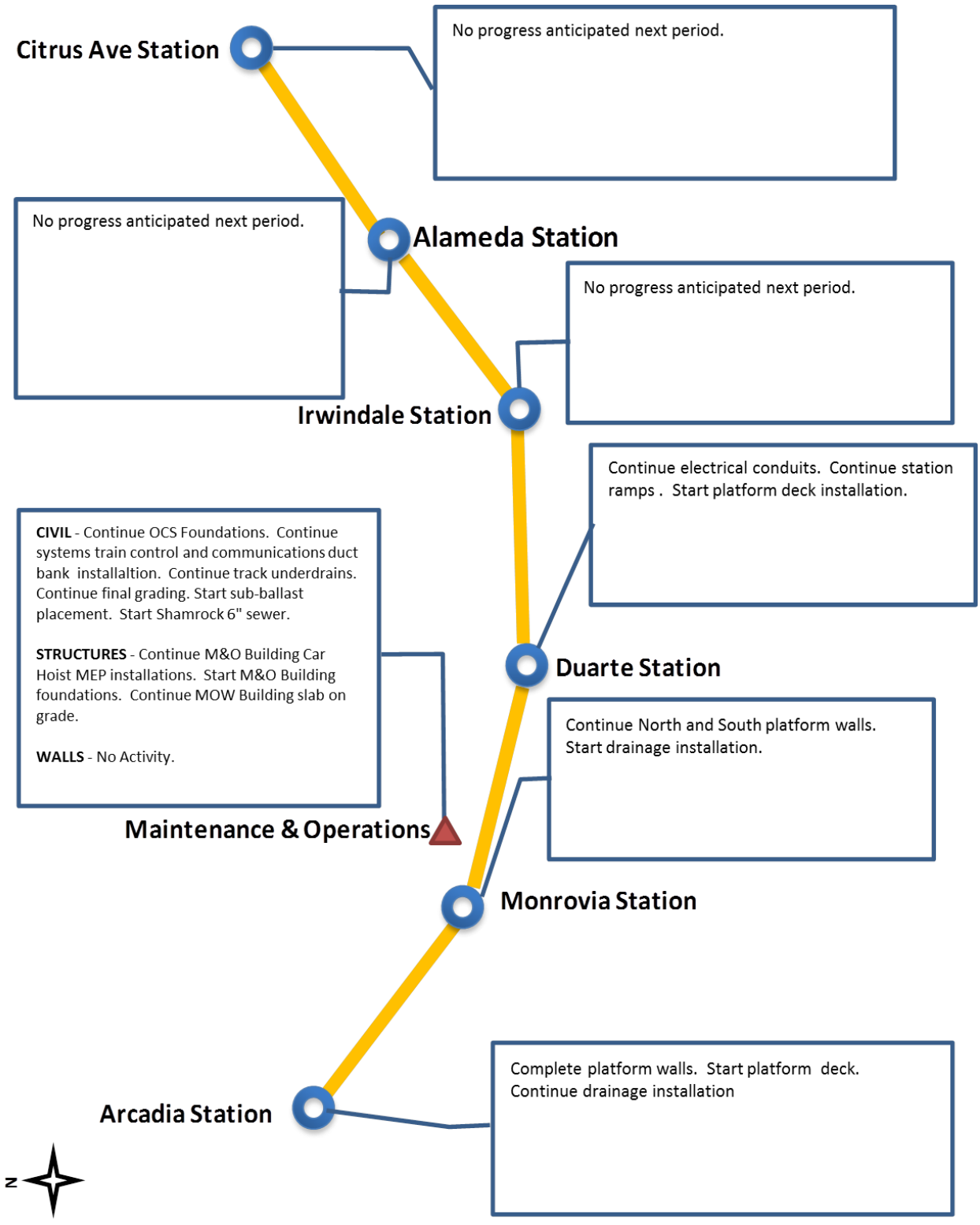
FACILITY CONSTRUCTION PROGRESS THIS PERIOD



ALIGNMENT CONSTRUCTION PROGRESS NEXT PERIOD



FACILITY CONSTRUCTION PROGRESS NEXT PERIOD



Alignment Construction Images

Segment 1: Conduit and vault work for traction power substation

Segment 2:
MSE Wall East of IFS

Segment 2:
Santa Anita Phase 2 MOT

Alignment Construction Images (Continued)

Segment 3:
California Grade Crossing

Segment 4:
Foothill Bridge FRT
Abutment 1

Car Hoist Caiss

Change Management Log

Date: 9/25/2013

Project: C1135 Alignment - FTC Contract #: C1135

Original Contract Amount:	$485,867,000				
Approved Change Orders:	$7,541,370	1.55%	Pending Change Orders:	$359,158	0.07%
Current Contract Total:	$493,408,370		Pending Contract Total:	$493,767,528	1.63%

Change Orders

Number	Change Management	Title	Initiated Date	Approved Date	Outstanding Days	Time Extension	Amount
EXECUTED Change 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
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
008.00	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
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
030.00	102.00	M&O-Disconnect Switches, Insulators	4/23/2013	4/25/2013	2		$67,817
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

Change Management Log

Project: C1135 Alignment - FTC Contract #: C1135

Change Orders

Number	Change Management	Title	Initiated Date	Approved Date	Outstanding Days	Time Extension	Amount
EXECUTED Change Orders							
038.00	138.00	Segment 4 Safety Manager	7/12/2013	7/16/2013	4		$157,274
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
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
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
						Subtotal:	$7,541,370
						Subtotal:	$7,541,370
PENDING Change Orders							
043.00	007.01	Emer. Backup for Guideway Lighting	8/16/2013		40		$359,158
						Subtotal:	$359,158
						Subtotal:	$359,158
						Total:	$7,900,528

Open PCOs

PCO Number	Title
OPEN	
010.01	Wayside Signal "Call On" Function
018.00	Totten Tubes Credit
022.02	M&O IT Changes - Remaining Work
023.01	Rebar Changes for Station Pavers
027.01	M&O / 3M Fence Revisions (rev 1)
029.00	Del. Irwindale/Gladstone Mitigation
031.00	Rockvale Water Line Mitigation
038.00	M&O - S&I Platform Betterments
041.00	Home Depot/Labor Ready Access
043.00	St. Joseph TPSS Wall
045.00	Move Mountain Interlocking Bungalow
046.00	1st/Santa Clara Grade X-ing Changes
047.00	M&O Body Shop Changes
049.00	M&O Tramming Table Changes
050.00	M&O Car Wash Betterments
051.00	CTS Upgrade to OC-192
052.00	Alameda Utility Changes

Open RFCs

RFC Number	Title
OPEN	
045.00	DSC Haz Matl ACM at Station 1202+00

Change Management Log

Project: C1135 Alignment - FTC Contract #: C1135

Open PCOs

PCO Number	Title
OPEN	
053.00	Irwindale On-Ramp Changes
054.00	Costco Emergency Gate-Path to POS

Open RFC Notices

Number	Title
022.00	M and O Signaling and Train Control
036.00	Water Line at California and Duarte
037.00	DSC at Santa Anita Wash Abutment 1
041.00	M and O Facility Fire Flow Rate
043.00	DSC Storm Drain and Headwall Utilit
044.00	DSC Utility at Azusa Avenue
049.00	Utility at Arcadia Station
050.00	Unknown Utility at San Gabriel Ave

Description: Intermodal Parking Facilities & Enhancements **Status:** August 15, 2013

Contract No.: C1150 **Contractor:** Webcor Builders

Cost Summary:

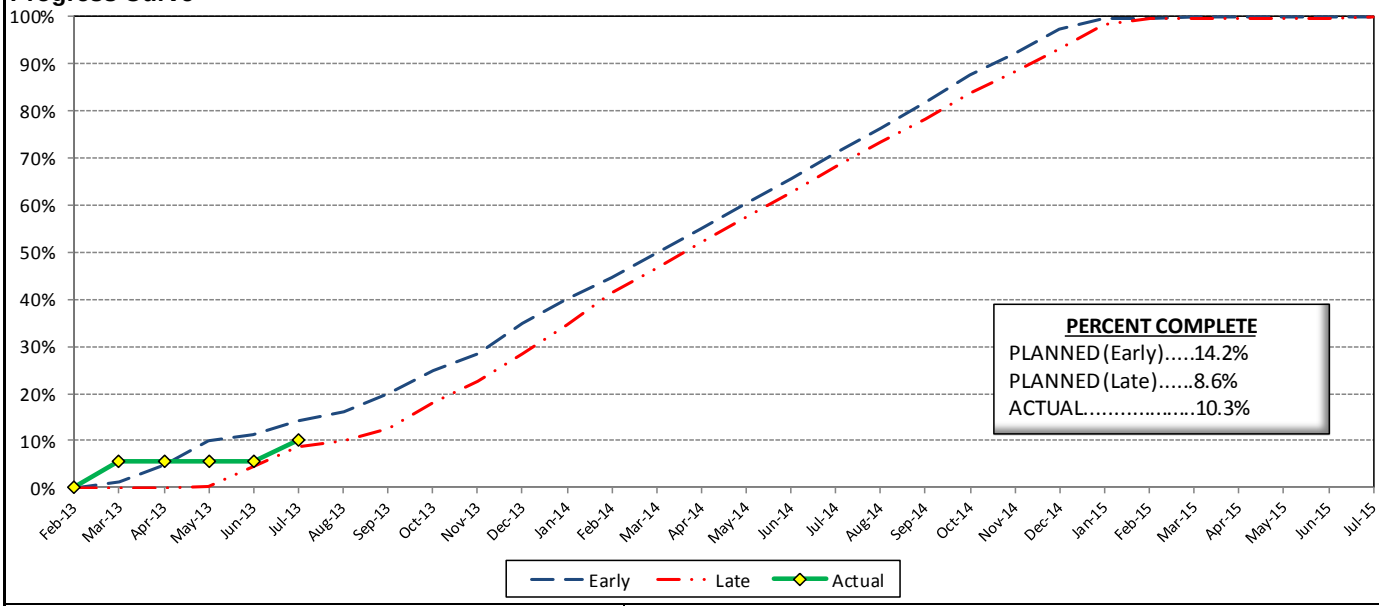
	Million(s)
CONTRACT	
Contract Award Value:	48.8
Executed Change Orders:	0.1
Current Contract Value:	48.9
Potential Change Orders:	0.1
Current Forecast:	49.0
Earned Value/Actual Cost	5.0
AUTHORIZTION FOR EXPENDITURE	
Budget	50.3
Commitment	48.9
Balance	(0.1)

Cost Assessment:

The current cost forecast is 49.0 Million. There is no change in the forecast from last period. The current forecast is within the authorized budget.

This period the Design-Build Contractor submitted the Schedule of Values. The submittal was approved by the Authority and the Design-Build Contractor is authorized to submit for progress payments.

Progress Curve



Schedule Summary:

Contract Award:	02/27/13	
Interim Notice to Proceed (INTP) :	03/20/13	
Original Contract Duration:	845	Calendar Days
Current Contract Duration:	845	Calendar Days
Elapsed Time from NTP:	148	Calendar Days

Contract Milestones

Milestones	Description	Original Contract	Current Contract	Forecast	Variance
1	Substantial Completion	03/15/15	03/15/15	03/25/15	(10)
2	Punchlist Complete	05/29/15	05/29/15	06/08/15	(10)
3	Final Completion	07/13/15	07/13/15	07/23/15	(10)
4	TPSS Work	03/01/14	03/01/14	03/06/14	(5)

Schedule Assessment:

The Design-Build Contractor completed the Irwindale Traffic Signal Design submittal, which is a critical design for Substantial Completion. The Irwindale Parking Structure 85% design submittal was expected to be delivered this period. The critical design will be delayed and may have an impact on the Substantial Completion milestone. If the Design-Build Contractor can resolve the 85% comments and submit the 100% design by October 24, 2013, then the potential delay can be mitigated.

The TPSS Deadline has slipped five (5) days this period due to the late delivery of the Michillinda TPSS 100% design.

Description: Intermodal Parking Facilities & Enhancements **Status:** August 15, 2013

Contract No.: C1150 **Contractor:** Webcor Builders

Progress Completed This Period	Activities Planned Next Period
Design • Third Party Coordination Plan (Re-Submittal) • Submit QA/QC Plan - Part 1 • Irwindale - Signalization/Roadway Improvements - 100% • Irwindale - Site Prep Design - 60% • Irwindale - Enhancement Design - 60% • Irwindale - Parking Structure Design - 85% • SWPPP / Dust Control Plans • Tree Survey - Arcadia • Safety Plan • Drainage Report - Irwindale • Schedule of Values (Re-Submittal)	**Design** • Arcadia - Site Prep Design - 100% • Arcadia - Parking Structure Design - 100% • Irwindale - Site Prep Design - 85% • Irwindale - Enhancement Design - 85% • Irwindale - Parking Structure Design - 85% • Monrovia - Site Prep Design - 100% • Monrovia - Enhancement Design - 100% • Monrovia - Parking Structure Design - 100% • Azusa-Citrus - Site Prep Design - 100% • Monrovia - Site Prep Design - 100% • Monrovia - Enhancement Design - 100% • Monrovia - Parking Structure Design - 100% • Soldano - Traction Power Substation Site Design - 100% • Michillinda - Traction Power Substation Off-Site Design - 100% • Michillinda - Traction Power Substation On-Site Design - 100% • Specifications - 100%
Areas of Concern • The timely relocation of Southern California Edison overhead lines necessary to build the Irwindale Parking Structure	**Areas of Concern (Continued)** •

Metro Gold Line Foothill Extension Construction Authority

406 East Huntington Drive, Suite 202

Monrovia, CA 91016

Change Management Log

Date: 9/25/2013

Project: C1150 Parking - Webcor Contract #: C1150

Original Contract Amount:	$48,750,000				
Approved Change Orders:	$128,628	0.26%	Pending Change Orders:	($12,006)	-0.02%
Current Contract Total:	$48,878,628		Pending Contract Total:	$48,866,622	0.24%

Change Orders

Number	Change Management	Title	Initiated Date	Approved Date	Outstanding Days	Time Extension	Amount
EXECUTED Change Orders							
001.00	001.00	Monrovia Parking Alternative Layout	6/25/2013	7/11/2013	16		$21,382
002.00	003.00	Clock Tower Procurement	7/3/2013	7/11/2013	8		$107,246
						Subtotal:	$128,628
						Subtotal:	$128,628
PENDING Change Orders							
001.01	001.01	Monrovia Alternative - Cancelation	9/17/2013		8		($12,006)
						Subtotal:	($12,006)
						Subtotal:	($12,006)
						Total:	$116,622

Open PCOs

PCO Number	Title
OPEN	
002.00	Relocate Elevator at Azusa-Citrus
004.00	TPSS Grounding Grid Modifications
006.00	St. Joseph Drainage Enhancements
007.00	St. Joseph TPSS Wall
008.00	Azusa-Citrus Plaza Pavers
009.00	Irwindale Intersection LED Upgrade

Azusa to Montclair Segment

ACTIVITIES COMPLETED THIS PERIOD

Authority Board certified the EIR for the Azusa to Montclair segment on March 6, 2013. Following certification, staff filed the Notice of Determination (NOD) with both counties (Los Angeles and San Bernardino). This filing started a 30-day statute of limitations to court challenges to the approval of the project. The City of Pomona has filed a challenge. Authority staff is working with legal counsel to review this challenge and prepare a response accordingly.

KEY FUTURE ACTIVITIES

Authority staff continues work with legal counsel to review the challenge and provide the necessary defense.

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.

Ontario Airport Segment

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.

PHASE II FOOTHILL EXTENSION FINANCIAL STATUS
Project Operating Budget Summary in Millions of Dollars
August 31, 2013

	(a)	(b)	(c=a-b)	(d)
FINANCIAL PLAN	**Current Budget**	**Funding Committed to Project**	**Uncommitted Funds**	**Revenues 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	741.0	69.5	243.8
Measure R - Azusa to Montclair	-	-	-	-
SANBAG	55.2	1.5	53.7	1.5
Federal TCSP	2.9	2.9	-	2.5
Federal Bus Intermodal Plan	9.0	9.0	-	2.3
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	-	2.3
Federal/Other	802.5	-	802.5	-
Total Revenues	1,719.0	782.2	936.8	277.7

	(a)	(b)	(c)	(d=a-b)
	Current Budget	**Current Obligation**	**Current Expenditures**	**Current Available Balance**
EXPENSES				
Program Management and Administration	107.9	86.1	69.6	21.8
Master Cooperative Agreements	12.0	3.3	2.5	8.7
Real Estate including ROW Acq	21.0	13.1	13.1	7.9
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	19.8	19.8	19.2	-
Construction - Pasadena to Azusa segment	328.9	320.4	141.5	8.5
Construction - Azusa to Montclair segment	950.0	-	-	950.0
Construction - M&O	46.0	44.0	10.9	2.0
Construction - Parking Structures	44.2	44.2	5.0	-
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	616.9	298.1	1,102.1