Metro Gold Line Foothill Extension Project

Monthly Project Status Report

June 2012



Metro Gold Line

Connecting Los Angeles, the San Gabriel Valley and Inland Empire



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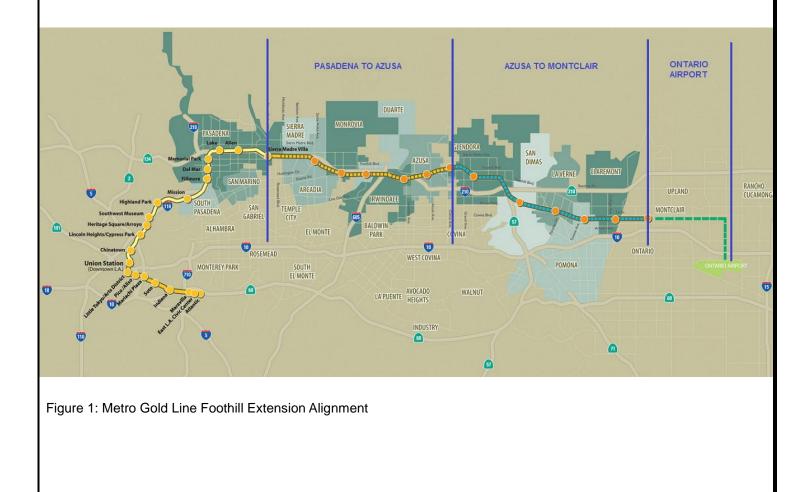


FOOTHILL EXTENSION PROJECT DESCRIPTION

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 \$1.4 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.





Pasadena to Azusa Segment

MANAGEMENT ISSUES

Metro Betterments

During the design process Metro staff have identified approximately \$3 million in betterments that Metro staff would like to add to the project. Authority staff have sent numerous letters to Metro management informing them of these betterments and requesting funding to add these items to the project. To date, Metro has not responded to these letters. Timely resolution of these betterment items is becoming a schedule critical item.

Irwindale Ramp Modifications

An environmental mitigation measure requires the addition of a second left turn lane from Irwindale Avenue on to the eastbound I-210 ramp. The PSR/PR document contains a widening of the ramp from two lanes to three, including a dedicated HOV lane. Caltrans staff have recently requested that the dedicated HOV lane now be a metered lane. This request results in a longer ramp widening. Authority staff has requested a meeting with Caltrans management to discuss potential options to this request that do not result in additional ramp widening.



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 acquisition of NTP+180 properties

Continued construction work on Iconic Freeway Structure:

- Completed formwork and rebar installation in preparation for concrete pour of bridge soffit and stem walls
- Completed placement of 2050 yards of concrete over a 20-hour period for the soffit and stem walls
- Continued design of basket reed sections based on Caltrans approval of architectural basket design
- Skanska reports the following safety statistics for the month of May:
 - No safety incidents recorded
 - 4,551 hours performed by Skanska
 - o 54,349total work hours performed to date
 - 0 Recordable Incidents reported
- Skanska reports the following SBE statistics for the month of May:
 - o Current SBE commitment: \$1,686,935
 - SBE percent committed versus value of Project: 12.33%
 - Overall Authority Project SBE goal: 16%

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

• Review of status of Pasadena to Azusa segment

IBI Group developed advanced conceptual engineering of all parking structure facilities

Released the Industry Review Draft for the Intermodal Parking Facilities and Enhancements Project, RFP C1150 (DB3)

Shortlisted three firms for the Intermodal Parking Facilities and Enhancements Project, RFP C1150 (DB3)

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

FTC began rail demolition and completed demolition of the Colorado Bridge



KEY FUTURE ACTIVITIES

Continue discussions with corridor cities regarding station parking facilities

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

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

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

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

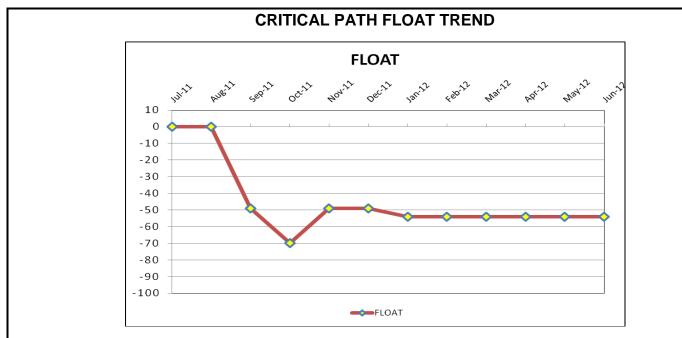
Finalize the following property acquisitions (as of April 15, 2012):

- <u>Monrovia</u>:
 - 1. Parcel 1601 (Encino Ave) Part of agreement with City of Monrovia.
 - 2. Parcel 1602 (1401 Los Robles Ave, TPSS 03) In escrow.
 - 3. Parcel 1903 (Monrovia station strip) Part of agreement with City of Monrovia.
 - 4. Parcel 1904 (Monrovia station parking) Part of agreement with City of Monrovia. Appraisal underway.
 - 5. Parcels 21A01 21A05 (Agency-owned M&O parcels) Possession.
 - 6. Parcel 21A21 City-owned street (North Duarte Avenue) Possession.
- Duarte:
 - 1. Parcel 2602 (Duarte Station Parking 1700 Business Center Drive) Negotiating.
 - 2. Parcels 2801 and 2802 (Cal Am Water, TPSS 05) In escrow.
 - 3. Parcel 2803 (Access Easement, TPSS 05) Negotiating.
 - 4. Parcel 2804 (Access Easement, TPSS 05) Negotiating.
- Irwindale:
 - 1. Parcel 3302 (Irwindale Station Parking) Negotiating.
- <u>Azusa</u>:
 - 1. Parcel 3902 (736 N. Angelo Avenue) Offer extended until 7/26/2012.



vity Name	ÖD	RD	AD	Start	Finish	Total Float		2012				201)14				015		2
PRIMARY CRITICAL PATH							C	2 Q	3 Q	4 (21	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	-
				07:00 A	21.Jan.13 15:00																		
SAN GABRIEL RIVER BRIDGE - CONSTRUCTION	180	180	0	15.Apr.13 07:00	20.Dec.13 15:00	-40					I												
TRACK INSTALLATION - SEGMENT 3	90	90	0	30.Sep.13 07:00	31.Jan.14 15:00	-40																	
OCS - INSTALLATION - SEGMENT 3	150	150	0	13.Jan.14 07:00	08.Aug.14 15:00	-40																	
OCS - TESTING - SEGMENT 3	56	56	0	09.Aug.14 07:00	03.0ct.14 15:00	-54																	
OCS - TESTING - SEGMENT 2	55	55	0	04.0ct.14 07:00	27.Nov.14 15:00	-54												-					
OCS - TESTING - SEGMENT 1	52	52	0	28.Nov.14 07:00	18.Jan.15 15:00	-54												•					
OCS - TESTING - SEGMENT 4	52	52	0	19.Jan.15 07:00	31.Mar.15 15:00	-38																	
SYSTEMS INTERGRATION TESTING	126	126	0	01.Apr.15 07:00	23.Sep.15 15:00	-38																1	
C1135 - >>>SUBSTANTIAL COMPLETION - 1420 CD<<<	0	0	0		23.Sep.15 15:00*	-54	-														(>	
SECONDARY CRITICAL PATH																							
RETAINING WALLS - SEGMENT 4 - DESIGN	279	76	132	03.Nov.11 07:00 A	29.Aug.12 15:00	-35																	
RETAINING WALLS - SEGMENT 4 (South Side)	126	126	0	30.Aug.12 07:00	21.Feb.13 15:00	-35			-														
GRADING - SEGMENT 4 (FRT)	90	90	0	19.0ct.12 07:00	21.Feb.13 15:00	-35																	
GRADING - SEGMENT 3	75	75	0	13.Feb.13 07:00	28.May.13 15:00	-35												 					
DRAINAGE - SEGMENT 3	80	80	0	06.Mar.13 07:00	25.Jun.13 15:00	-35					-												
DRAINAGE - SEGMENT 2	70	70	0	26.Jun.13 07:00	01.0ct.13 15:00	-35																	
DRAINAGE - SEGMENT 1	100	100	0	02.0ct.13 07:00	18.Feb.14 15:00	-35																	
OCS FOUNDATIONS - SEGMENT 1	55	55	0	27.Nov.13 07:00	11.Feb.14 15:00	-35																	
OCS FOUNDATIONS - SEGMENT 4	60	60	0	12.Feb.14 07:00	06.May.14 15:00	-35																	1
TRACK INSTALLATION - SEGMENT 4 (LRT)	90	90	0	26.Feb.14 07:00	01.Jul.14 15:00	-35																	
OCS - INSTALLATION - SEGMENT 4	150	150	0	18.Jun.14	13.Jan.15	-35										[<u>.</u>		•				





Critical Path Analysis

Primary Critical Path - (-54 Calendar Days)

On November 3, 2011, the Authority issued the Interim Notice to Proceed (INTP) for Contract C1135 - Phase 2A Design/Build Alignment to Foothill Transit Constructors. The Design-Build Contractor is in the process of developing the baseline schedule. The schedule reflects the Design-Build Contractor's general approach to completing the work. The critical path currently runs through the San Gabriel River Bridge design. The bridge construction will start on April 15, 2013. The critical path continues through Segment 3 (San Gabriel River to Mayflower Ave) track installation followed by the OCS installation and local field acceptance testing. The path continues through systems integration testing and terminates at Substantial Completion. The Substantial Completion forecast is September 23, 2015 and the current float is -54 calendar days.

Secondary Critical Path - (-33 Calendar Days)

This period, secondary critical path runs through the Segment 4 Retaining Wall design. The path continues through the installation of the Segment 4 (Citrus Ave to San Gabriel River) south side retaining walls and grading. The secondary path continues through the Segment 3 grading followed by drainage installation from Segment 3 to Segment 1. The Segment 1 (IFS Bridge to SMV Station) OCS foundation installation will follow the Segment 1 drainage installation. The OCS foundation installation will then move to Segment 4 after the installation in Segment 1 has been completed. The Segment 4 (LRT) track installation will trail the OCS foundation installation. The OCS Installation in Segment 4 will commence after the track installation is complete. The path terminates at the Segment 4 OCS testing, which is on the primary critical path.

Project Float

The current schedule reflects a forecast completion for Substantial Completion on September 23, 2015. Per the Foothill Extension Funding Agreement, the forecast completion date is 54 calendar days behind the required completion date of July 31, 2015.



completed the formwork and rebar installation in preparation for the placement of concrete in the bridge soffit and stem walls. The Structural Engineer has also certified that the falsework has been installed per the design and that the temporary structure is capable of carrying the anticipated concrete loads. In preparation for the concrete placement, a detailed construction work plan was prepared describing how the concrete deliveries and placement will be carried out. The placement of 2050 yards of concrete occurred during a 20 hour period beginning at 10:00 on June 18th under a 6 hour freeway closure. Caltrans has been very supportive in their project oversight role. There were no reportable safety incidents this period.	complete. The lengthy design and ctural baskets and reed elements e needed to reach substantial working closely with the contractor, hers to facilitate a timely solution. clating adding the construction of the e C1134 contract to facilitate the e follow-on C1135 contract. The result in a time extension to the IFS ins float in the program schedule and leted prior to the promised handover
Construction: Construction: During this reporting period, the contractor completed the formwork and rebar installation in preparation the placement of concrete in the bridge soffit and stem walls. The Structural Engineer has also certified that the falsework has been installed per the design and that the temporary structure is capable of carrying the anticipated concrete loads. In preparation for the concrete placement, a detailed construction work plan was prepared describing how the concrete deliveries and placement will be carried out. The placement of 2050 yards of concrete occurred during a 20 hour period beginning at 10:00 on June 18th under a 6 hour freeway closure. Caltrans has been very supportive in their project oversight role. There were no reportable safety incidents this period.The Authority is also contern approach retaining walls to the interface coordination with the addition of this work will likely construction contract.The Authority is also contern approach retaining walls to the interface coordination with the addition of this work will likely construction contract.Design: Caltrans has approved the design of the architectural precast baskets. In response to Caltrans' comments, design work is continuing for the basket reed sections which have presented a significant challenge for the design team.Cost Assessment:Schedule Assessment: The installation of formwork and rebar for the outrigger and soffit/stem walls are the primary critical path activities. TheThe current contract cost for is within the authorized budg	complete. The lengthy design and ctural baskets and reed elements e needed to reach substantial working closely with the contractor, hers to facilitate a timely solution. clating adding the construction of the e C1134 contract to facilitate the e follow-on C1135 contract. The result in a time extension to the IFS ins float in the program schedule and leted prior to the promised handover
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The Design-Build Contractor was granted a sixty-five (65) day time extension for Contract delays. This period, the Substantial Completion forecast slipped three (3) days from last period due to soffit/stem formwork production. The forecastwhich is 15% below the maximation reason for not meeting the m late completion of the Final D The late delivery of these dest	continues to trend below the ne total earned to date is 14.33 Millio mum payment curve. The primary aximum payment schedule is due to esign, and the Falsework Design. igns have impacted the start of the ayed the planned milestone earnings
Schedule Summary: Cost Summary:	Million(s)
Contract Award: 06/18/10 CONTRACT	10.57
Notice to Proceed (NTP): 08/03/10 Contract Award Value:	18.57 : 0.15
Current Contract Value:	18.72
Original Contract Duration: 880 Calendar Days Potential Change Orders: Current Forecast:	0.19 18.91
Current Contract Duration: 945 Calendar Days Earned Value/Actual Cos	t to Date 14.33
Elapsed Time from NTP: 682 Calendar Days Budget	19.50
Commitment	19.50
Balance	0.59
Original Current 100%	
1 Substantial Completion 07/03/12 09/06/12 10/04/12 (28)	
2 Punchlist Complete 10/01/12 12/05/12 01/02/13 (28)	
2 Einel Accontance 12/20/12 02/05/12 04/02/12 (00)	
3 Final Acceptance 12/30/12 03/05/13 04/02/13 (28) 50%	



IFS Construction Images

Nighttime Freeway Closure and Concrete Pour





Approximately 215 Concrete Trucks Brought in for the Concrete Pour

View of Bridge after Concrete Placement

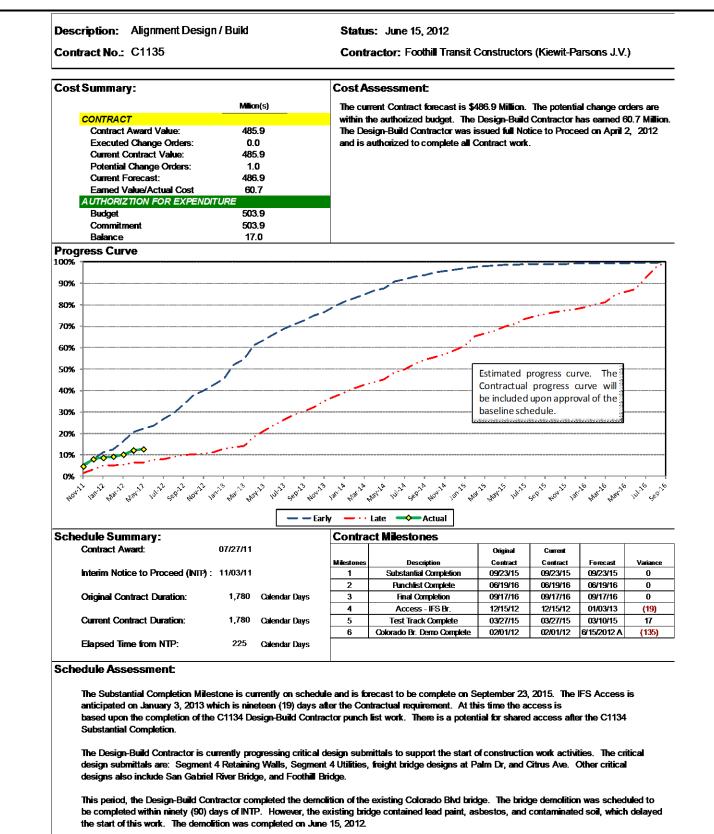


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Description: Alignment Design / Build	Status: June 15, 2012
Contract No.: C1135	Contractor: Foothill Transit Constructors (Kiewit-Parsons J.V
Progress Completed This Period	Activities Planned Next Period
Submit 85% Design - MOT & Detours Projectwide	Submit Bidding & Approval Procedure for Subcontracts.
Submit 85% Design - Grading & Drainage - Segment 4	Submit 85% Design - M&O Facility
Submit 85% Design - Walls Segment 4 (East)	Submit 85% Design - Station Facilities
Submit 60% Design - Colorado Blvd Bridge	Submit 100% Design - Walls Segment 4 (East)
Submit 60% Design - Huntington Drive Bridge	Submit 85% Design - Track Alignment
Submit 60% Design - 5th Ave Pedestrian Crossing	Submit 85% Design - Walls Segment 4 (West)
Submit 60% Design - Saw Pit Wash Bridge	Submit 85% Design - M&O Facility Track Alignment
Submit 60% Design - Train Control (M&O)	Submit 100% Design - Civil Roadway Segment 4
Submit 60% Design - Train Control (Freight)	Submit 85% Design - M&O Facility Civil Site
Submit Preventative Maintenance Task Analysis	Submit 100% Design - Traffic Signal & Lighting Segment 4
	Submit 85% Design - Traffic Signal & Lighting M&O Facility
	Submit 100% Design - Grading & Drainage - Segments 4 (East)
	Submit 85% Design - Grading & Drainage - Segments 4 (West)
	Submit 60% Design - San Gabriel River Bridge
	Submit 85% Design - Foothill BI Freight Bridge
	Submit 85% Design - Foothill BI LRT Bridge
	Submit 85% Design - Citrus Ave Freight Bridge
	Submit 85% Design - Palm Dr Freight Bridge
	Submit 60% Design - M&O Facility OCS
	Submit 85% Design - Colorado BI Bridge
	Submit 60% Design - Contract Utilities Segment 2
Areas of Concern	Areas of Concern (Continued)
 Monrovia Yard TPSS utility feed. The Design-Build Contractor is proposing to provide one (1) electrical source feed to the TPSS. The Authority and Design-Build Contractor are reviewing the Metro Design Criteria and developing a path forward for a resolution to this issue. San Gabriel River Bridge. The design of the bridge replacement must be completed by early 2013 so the bridge can be constructed during the 2013 dry season. The design of the bridge requires approval by the United States Army Corps of Engineers (USACE) among other project stakeholders. The design-builder has been working with USACE, the Authority, and Metro to obtain approval of the design. The remaining items that require approval include the hydraulics associated with the river and replacement bridge, the temporary diversion structure, and geotechnical analysis among other items. Authority staff is working with the design-builder to ensure these items are approved in a timely manner. Invindale Ramp Modifications. An environmental mitigation measure requires the addition of a second left turn lane from Irvindale Avenue on to the eastbound I-210 ramp. The PSR/PR document contains a widening of the ramp from two lanes to three, including a dedicated HOV lane. Caltrans staff has recently requested that the dedicated HOV lane now be a metered lane. This request results in a longer ramp widening. Authority staff has requested a meeting with Caltrans management to discuss potential options to this request that 	 IDIQ Equipment Procurement. Per the MCA between the Authority and Metro, the Authority's design-builder is required to contract with Metro's IDIQ vendor for the communications equipment associated with the project. The Authority's design-builder has identified what it believes to be discrepancies between the Metro IDIQ contract and the Authority's contract, which have prevented the Authority's design-with builder from entering into contract with Metro's IDIQ vendor. Authority staff have met with Metro staff and reached agreement that the Authority's design-builder may purchase the communications equipment from a different vendor if the equipment is identical to that listed in the IDIQ contract. Authority staff is hopeful that this agreement will allow for the timely purchase and integration of the project's communications equipment. Metro Betterments. During the design process Metro staff have identified approximately \$3 million in betterments that Metro staff would like to add to the project. Authority staff have sent numerous letters to Metro management informing them of these betterments and requesting funding to add these items. To date, metro has not responded to these letters. Timely resolution of these betterment items is becoming a schedule critical item.







Alignment Construction Images

Prepping for Colorado Bridge demolition





Removal of Colorado Bridge superstructure

Post-demolition view of Colorado Bridge



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Azusa to Montclair Segment

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

ACTIVITIES COMPLETED THIS PERIOD

PB continues to prepare the technical reports necessary for the NEPA/CEQA document. The Authority and PB met to discuss lessons learned from the Foothill Extension Pasadena to Azusa segment, and the environmental team is refining concept plans and updating any technical studies based on lessons learned. PB is approximately 95% complete with updating/refining conceptual engineering plans and technical sections required for the draft NEPA/CEQA document. Authority staff is reviewing the draft documents and working with PB to finalize the draft EIR for circulation.

The environmental team anticipates circulating the draft environmental documents for public comment in the next few months.

KEY FUTURE ACTIVITIES

Refine concept plans, and finalize the Purpose and Need, the Project Description Report, technical studies and the Draft EIR for public release in the next few months.

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.



PHASE II FOOTHILL EXTENSION FINANCIAL STATUS Project Operating Budget Summary in Millions of Dollars June 30, 2012

	(a)	(b)	(c=a-b)	(d)
		Funding	. ,	
		Committed to	Uncommitted	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	735.0	735.0	-	128.5
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	-	2.1
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	-	2.1
Federal/Other	580.8	-	580.8	-
Total Revenues	1,421.8	776.2	645.6	161.8
	(a)	(b)	(c)	(d=a-b)
	Current	Current	Current	Current
	Budget	Obligation	Expenditures	Available Balance
EXPENSES				
Program Management and Administration	101.9	50.0	46.6	51.9
Master Cooperative Agreements	12.0	2.2	1.5	9.8
Real Estate including ROW Acq	27.0	9.8	9.8	17.2
Special Programs	0.3	-	-	0.3
Procurement/Vehicles	60.0	-	-	60.0
Maintenance and Operations Facility Land	22.0	20.8	20.8	1.2
Construction - IFS	19.5	18.6	13.6	0.9
Construction - Pasadena to Azusa segment	330.8	314.8	60.7	16.0
Construction - Azusa to Montclair segment	658.8	-	-	658.8
Construction - M&O	46.0	44.0	-	2.0
Construction - Parking Structures	32.5	-	-	32.5
MTA Project Costs	64.0	-	-	64.0
Contingency	27.4	-	-	27.4
Project Reserve	19.6	-	-	19.6
Total Project	1,421.8	460.2	153.0	961.6