

Crenshaw/LAX Transit Corridor



Metro[®]

CRENSHAW/LAX TRANSIT CORRIDOR PROJECT

MONTHLY PROJECT STATUS REPORT

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U. S. DEPARTMENT OF TRANSPORTATION, FEDERAL TRANSIT ADMINISTRATION (FTA).

FEBRUARY 2012

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PROJECT OVERVIEW

Planning/Environmental

The Board approved the Project Definition and certified the Final Environmental Impact Report (FEIR) in September 2011. In addition, the Board authorized the Chief Executive Officer (CEO) to file a Notice of Determination, adopt the Finding of Fact and Statement of overriding Considerations, and the Mitigation Monitoring & Reporting Plan. An administrative record continues to be prepared.

The FEIS/FEIR was reviewed by the California transportation Commission (CTC) and they adopted the required resolution for future funding consideration on December 15, 2011.

The Record of Decision (ROD) was received from the FTA on December 30, 2011. With the receipt of ROD, advance utility relocations have commenced by third parties and right-of-way properties certified by the project can now be acquired by MTA. MTA is working with the FTA to include changes due to design refinements post ROD in an addendum to the environmental documents.

Design

The baseline preliminary engineering effort is complete. The design consultant submitted the final preliminary engineering drawing deliverables for Facilities and Systems in November 2011 and continues incorporating review comments and completing technical documents to support the release of an upcoming RFP for a design-build main alignment Contract C0988 Crenshaw/LAX Transit Corridor.

The Board requested completion of a preliminary design for an underground station at Crenshaw Boulevard/ Vernon Avenue in the Leimert Park area and has been added to the Preliminary Engineering scope of work. This optional station will be added in the design-build contract. A further Board Motion was adopted at the December Board Meeting to adopt a bid option for an at-grade station at Florence/Hindry. The optional stations will not be constructed unless the upcoming contractor's proposals fall within the established project budget.

The technical documents for Contract C0990 Crenshaw/LAX Advance Utility Relocations were completed and Contract was advertised on February 10, 2012.

Third Party Agreement

Staff continues to coordinate outstanding design issues with FAA, LAWA, LADOT, LABOE, LABSL, DWP, City of Inglewood, Caltrans and CPUC on a regular basis. Working on finalizing all agreements, where appropriate, with the third parties.

PROJECT OVERVIEW (Continued)

Right-of-Way

Developed a Real Estate Acquisition Management Plan and commenced Preliminary Engineering real estate actions such as development of a Relocation Plan. In addition, 26 of 50 parcels have been certified and appraisals have been completed for 15 parcels. Additional appraisals have been ordered. With receipt of ROD in December 2011, offers can now be made on right-of-way parcels certified by the project. MTA is requesting an increased threshold in the value for property acquisitions from FTA based on similar requests made for Eastside and Expo Projects.

A term sheet has been negotiated between BNSF Railway Company to cease rail operations and abandon its interest in the five-mile Crenshaw Segment of the Harbor Branch right-of-way pending formal abandonment by the Surface Transportation Board. The term sheet was approved at the November MTA Board Construction Committee in November 2011 and the full Board in December 2011 subject to receipt of Record of Decision. An agreement between BNSF and MTA has been prepared and has been submitted to BNSF for execution. A reduction in maintenance costs along the Harbor Branch has also been negotiated and is included in the agreement, along with remnant property acquisitions to be quit-claimed by BNSF to MTA.

Program Management

The Board approved the Life-of-Project (LOP) budget of \$1,749 million in October 2011. The LOP includes \$26 million for the environmental/planning scope of work and \$1,723 million for the preliminary engineering and construction scope of work. The Original Budget for the Construction effort includes a 49% cost allocation share that the Crenshaw/LAX project is responsible for paying for the design and construction of the Southwestern Yard.

The project commitments to date are \$65.5 million or 3.7% of the Original Budget. The project expenditures to date are \$50.8 million or 2.9% of the Original Budget. The expenditures to date are for Environmental/Planning and Preliminary Engineering planned and scheduled work.

The project master schedule has been developed and includes the Revenue Service Date forecast of December 2018. The baseline schedule will be updated monthly and status reported against planned work. The forecast for revenue service will be updated upon award of the design-build main alignment Contract C0988 Crenshaw/LAX Transit Corridor.

A Risk Register has been developed for the project and is being updated monthly to reflect the issues/risks identified to date, which includes new risks as well as risks resolved. A follow-up three-day Risk Assessment Workshop was conducted in January 2012 and a final Risk Assessment Report was issued in February 2012. An updated Risk Management Plan will be distributed in March 2012.

MANAGEMENT ISSUES

Concern No. 1: Complete definition of FAA/LAWA south runway construction requirements for procurement documents and file 7460-1 form for signoff on constructability. Also, confirm decisions required on civil infrastructure to be built by MTA and fiber installation by FAA/LAWA. Written concept approval was received from LAWA in December on the utility relocation work scope. A conditional Notice to Proceed was received from LAWA this period.

Status/Action Regular meetings are being held with the local FAA/LAWA offices to resolve outstanding issues. Notifications of Proposed Construction Alterations (7460-1 form) are being processed "on airfield" through the local FAA office to expedite signoff. Approval was received from FAA on the guideway configuration. A 7460-1 was filed in March for constructability which includes the agreed time of day limitations.

Concern No. 2: Execute Agreement with BNSF Railway Company to cease rail operations and abandon its interest in the Crenshaw Segment portion of the Harbor Branch right-of-way per Term Sheet.

Status/Action Received Construction Committee approval of Term Sheet at November 17, 2011 meeting, and MTA Board approval at December 15, 2011 Board Meeting. With the receipt of a Record of Decision from FTA on December 30, 2011, MTA has prepared the final agreement based on the negotiated term sheet to BNSF and has reached agreement with BNSF including reduction on maintenance cap for Harbor Branch to proceed with execution in March 2012. Eight remnant parcels are also being included to allow BNSF to quit-claim to MTA.

Concern No. 3: MTA Board to determine if Westchester Station will be included as a bid option to the Design-Build Contract C0988 Crenshaw/LAX Transit Corridor.

Status/Action A motion was presented and adopted at the December 15, 2011 Board Meeting, (which approved the inclusion of the Westchester Station, at-grade near Florence/Hindry as a bid option during the construction procurement. Preparing preliminary engineering design for a station platform without park and ride facilities to include as bid option to design-build Contract C0988 Crenshaw/LAX Transit Corridor.

Concern No. 4: Some right-of-way parcels for the Southwestern Yard that have required relocations that currently support car rental facilities including Dollar Rent-A-Car and Avis Rent-A-Car may take considerably longer than planned.

Status/Action Although the Southwestern Yard is not on the project critical path, staff is evaluating schedule impacts to the start of construction and procurement options on how MTA could move forward to minimize delays to schedule. A relocation consultant has been

MANAGEMENT ISSUES (Continued)

brought on board by MTA to work directly with the car rental companies. LAWA is also working directly with Dollar Rent-A-Car for possible use of the former Lot E parking lot on 11th Street as a relocation site for Dollar Rent-A-Car.

Concern No. 5: Current estimate on the Southwestern Yard exceeds the project budget allocation for the maintenance facility.

Status/Action A cost reduction strategy has been developed that reviewed all elements of the Southwestern Yard maintenance facility including deferral of non-essential elements and phasing the yard and shop facilities for initial two-car consists.

PROJECT ALIGNMENT



BASE PROJECT SCOPE

The Crenshaw/LAX Transit Corridor is a north/south corridor that serves the cities of Los Angeles, Inglewood, Hawthorne and El Segundo as well as portions of unincorporated Los Angeles County. The alignment extends 8.5 miles, from the intersection of Crenshaw and Exposition Boulevards to a connection with the Metro Green Line at the Aviation/LAX Station. The project provides major connections with the Los Angeles International Airport (LAX) as well as links to the Metro Green Line, the Exposition Line and countywide bus network. The Board adopted a light rail system as the Locally Preferred Alternative (LPA) in December 2009.

The alignment is comprised of a double-tracked right-of-way consisting of sections of at-grade in-street, at-grade within railroad right-of-way, aerial, and below-grade guideway sections, six stations, park and ride facilities at three locations, utilities, landscaping, roadway improvements required by the project and a maintenance & storage facility (Southwestern Yard). During preliminary engineering, scope modifications were incorporated as part of the project and adopted by the MTA Board as part of the Project Budget. These changes, resulting from consultations with agencies such as the Public Utility Commission, Los Angeles Department of Transportation, and Federal Aviation Authority, included:

- 1) At-grade changed to below-grade segment from Exposition Boulevard to 39th Street;
- 2) La Brea Avenue Grade Separation changed from aerial to below-grade;
- 3) Fully cut and cover segment changed to partially covered trench adjacent to LAX as an interim condition; and
- 4) Cost sharing of a consolidated maintenance & storage facility near LAX (Arbor Vitae/Bellanca) called Southwestern Yard.

Additional engineering refinements developed through Preliminary Engineering are being addressed through an environmental addendum. These include demolition of two existing BNSF bridge structures that allow for realignment of the LRT tracks and significant cost savings; and additional right-of-way acquisitions with the majority being small partial takings and temporary construction easements.

The two proposed optional stations, Crenshaw/Vernon (Leimert Park Village) and Westchester (Florence/Hindry), are not included in the adopted base project. However, a bid option will be included in the design-build contract for constructing an in-street underground Crenshaw/Vernon Station just north of Vernon Avenue as well as an additional bid option to cover a Westchester at-grade station without parking facilities near Florence/Hindry. The Crenshaw/Vernon in street station option is a change from the off-street station location cleared with the FEIS/FEIR. This alternative in-street location is being addressed through an environmental addendum. The Florence/Hindry Station option was previously cleared with the FEIS/FEIR.

BASE PROJECT SCOPE (Continued)

With Board approval of a base Project Definition and certification of the Final Environmental Impact Report on September 22, 2011, the project team will continue with pre-construction activities. To accomplish the final design and construction of the project, the following contracts are being prepared to implement the project scope of work.

Contract C0990 Crenshaw/LAX Advanced Utility Relocations

The design of several early utility relocations was advanced sufficiently into final design to allow for bidding of critical early utility relocations. This contract will include relocating three (3) existing duct banks that feed various NAVAIDS on the south airfield complex. New ductbank infrastructure will be built by MTA with the fiber replacement work and cut-over by FAA/LAWA. These ductbanks contain fiber lines and power lines which belong to both LAWA and FAA. Since the new track alignment is below grade at these crossings, the ductbanks have to be relocated in advance to allow for the construction of the track alignment. In addition, other wet utilities along the Harbor Branch and Crenshaw Boulevard segments of the corridor that can be relocated in advance are included as part of this contract.

The project delivery method for this contract is bid-build Invitation for Bid (IFB) approach.

Design-Build Contract C0988 Crenshaw/LAX Transit Corridor

This is the largest project contract which will complete final design and construction of the infrastructure required along the corridor alignment. The structures required to be constructed are six baseline stations, grade separations including flyover structures, cut and cover trenching, tunneling and three park-n-ride facilities. The scope of work will include all the necessary systems work including train control, traction power supply substations and distribution, overhead catenary, communications, and systems tie-in to the existing Metro Green Line. Two optional stations will be included as bid options as well as improvements to the Crenshaw/Slauson intersection and additional fire suppression measures in tunnel/cut and cover segments.

The project delivery method for this contract is design-build utilizing a two step best value procurement approach with submittal of qualification statements through a RFQ process, pre-qualification of qualified proposers followed by release of a RFP soliciting technical and price proposals with an option at MTA's discretion for best and final offers (BAFO).

BASE PROJECT SCOPE (Continued)

Design-Build Contract C0991 Southwestern Yard

The Board-adopted 2009 Long Range Transportation Plan (LRTP) for Los Angeles County envisioned one new central Light Rail Transit (LRT) Maintenance facility to be used by all projects. Since the LRTP adoption, substantial progress on light rail system planning and development, including more accurate vehicle assignments, cost estimates, and functional requirements, has led MTA to conclude that two new LRT yards, an Eastern Yard and a Southwestern Yard, are necessary. This contract will construct the Southwestern Yard which will consolidate maintenance facility requirements for this project as well as the operating Metro Green Line, proposed South Bay Metro Green Line Extension and proposed Metro Green Line to LAX. The cost of constructing the Southwestern Yard will be proportionately split among the four projects.

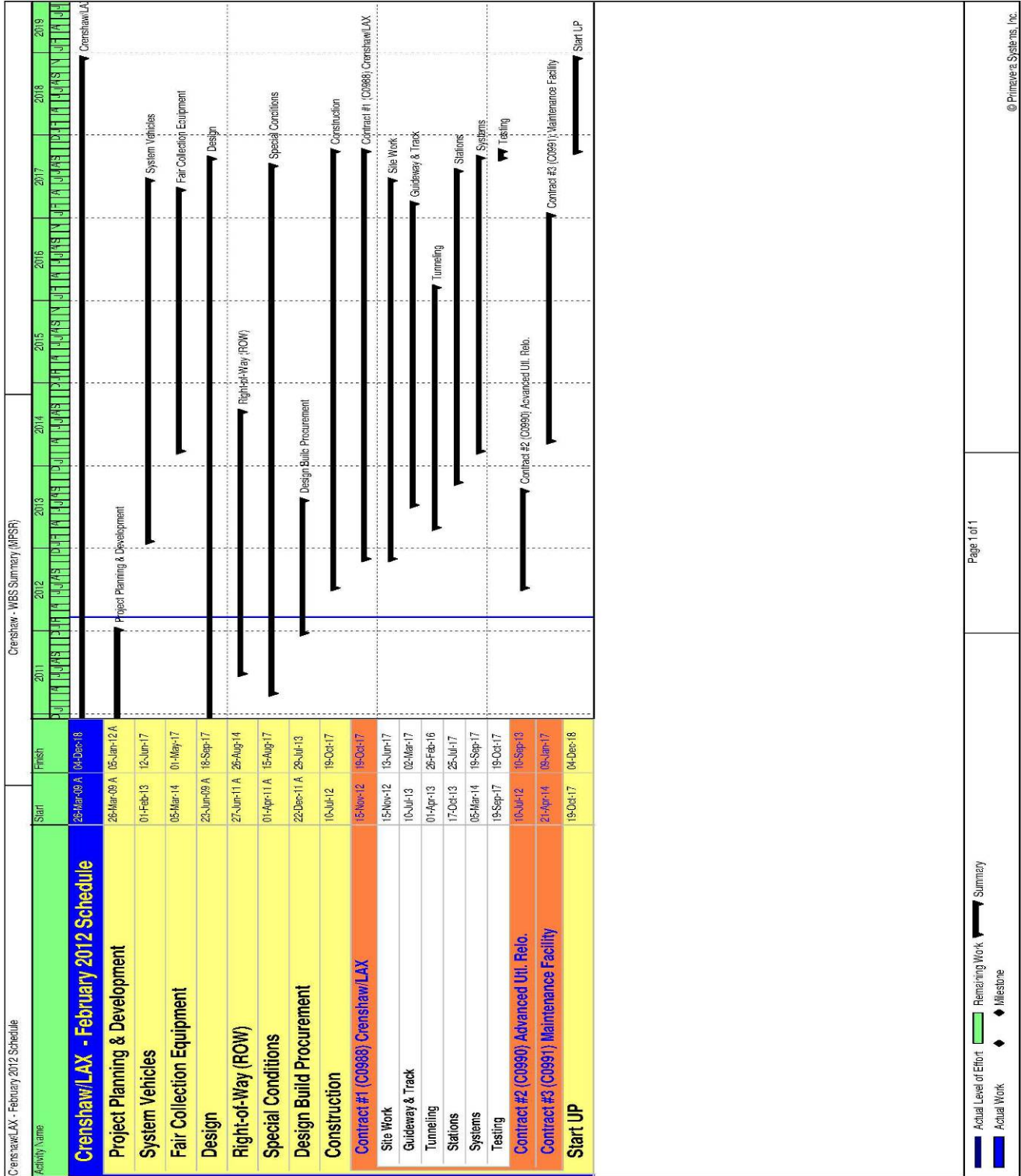
The project delivery method for this contract is design-build Invitation for Bid (IFB) approach.

KEY MILESTONES SIX- MONTH LOOK AHEAD

	Milestone Date	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12
Receive Record of Decision from FTA	12/30/11A						
Commence Early Utility Relocations by Third Parties	01/20/12A						
Approve Agreement with BNSF for Abandonment of RR Tracks	03/30/12*		◆				
Issue Invitation for Bid Contract C0990 "Adv. Util. Relocation"	02/10/12A	◆					
Complete Industry Review	01/05/12A						
Receive Statement of Qualifications Contract C0988	03/12/12		◆				
Receive Bids Contract C0990 "Adv. Util. Relocation"	04/11/12			□			
Issue Request for Proposals Contract C0988 "D-B Transit Corridor"	04/16/12			◆			
Approve Design Consultant Phase III Design Services During Construction	04/26/12			Ⓜ			
Award Contract C0990	06/14/12					◆	

◆ MTA Staff Ⓜ MTA Board Action FTA (Federal Transit Administration)
 △ Other Agencies □ Contractors ○ HMM Design
 "A" following date is actual and completed * New

PROJECT SUMMARY SCHEDULE



CRITICAL PATH NARRATIVE

Critical Path:

The longest path to project substantial completion begins with the Procurement cycle; Award/NTP of the Design/Build Contract #1 Crenshaw/LAX Transit Corridor.

Upon award, the critical path moves through final design for the alignment and completing shop drawings to begin procurement of the tunnel boring machines (TBMs). The TBMs are a long lead item and as packages of final design are approved for construction work will commence on the alignment prior to the TBMs arrival, assembling and testing.

The critical path then flows to remaining construction elements; tunneling, guideway construction, station construction, and systems installation. Critical work concludes with systems integration testing and acceptance.

PROJECT COST STATUS - 865512

COST REPORT BY ELEMENT

UNITS IN MILLIONS

ELEM- MENT	DESCRIPTION	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		FORECAST VARIANCE
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
C	CONSTRUCTION	1,052.6	-	1,052.6	-	2.1	0.1	0.1	-	1,052.6	-
R	RIGHT-OF-WAY	132.3	-	132.3	-	-	-	-	-	132.3	-
V	VEHICLES	87.8	-	87.8	-	-	-	-	-	87.8	-
P	PROFESSIONAL SERVICES	273.1	-	273.1	2.7	37.4	0.4	24.7	-	273.1	-
PC	PROJECT CONTINGENCY	177.1	-	177.1	-	-	-	-	-	177.1	-
PF	PROJECT FINANCE COST	-	-	-	-	-	-	-	-	-	-
865512 - SUBTOTAL		1,723.0	-	1,723.0	2.7	39.5	0.5	24.8	-	1,723.0	-
EP	ENVIRONMENTAL/PLANNING	26.0	-	26.0	-	26.0	0.6	26.0	-	26.0	-
405512, 465512 & 865512 - TOTAL		1,749.0	-	1,749.0	2.7	65.5	1.1	50.8	-	1,749.0	-

NOTE: 865512 EXPENDITURES ARE CUMULATIVE THROUGH JANUARY 2012.

PROJECT COST ANALYSIS

Original Budget and Current Budget:

The Board in October 2011 established the Life-of-Project (LOP) budget of \$1,749 million for the Crenshaw/LAX Transit Corridor Project. The budget includes the 49% cost allocation share that the Project is responsible for paying for the design and construction of the Southwestern Yard. The breakout by element above has been revised to allocate the Southwestern Yard cost to all appropriate cost elements instead of only within the Construction element.

Current Forecast: The total project forecast is \$1,749 million.

Commitments:

The cumulative commitments through February 2012 are \$65.5 million. The total commitments increased by \$2.7 million this period. In the Professional Services element there was an increase of \$2.7 million primarily for executed contract modifications associated with the Preliminary Engineering Design Contract E0117 and legal services. The \$65.5 million in commitments to date represents 3.8% of the current budget.

Expenditures:

The expenditures are cumulative through January 2012. In the Construction element there was an increase of \$0.1 million for third party scope of work with Los Angeles Department of Water and Power. In the Professional Services element there was an increase of \$0.4 million for costs associated with the preliminary engineering design contract E0117, tunnel advisory panel services, IPMO field office lease and related expenses, construction management support services, community outreach program, and Metro project administration. The \$50.8 million in expenditures to date represents 2.9% of the current budget.

FINANCIAL/GRANT STATUS - 865512

\$ in millions

SOURCE	(A)	(B)	(C)	(D)	(DB)	(E)	(EB)	(F)	(FB)
	ORIGINAL BUDGET	TOTAL FUNDS ANTICIPATED	TOTAL FUNDS AVAILABLE	COMMITMENTS \$	%	EXPENDITURES \$	%	BILLED to FUNDING \$	SOURCE %
FEDERAL - CMAQ	68.2	68.2							
REGIONAL IMPROVEMENT PROG	36.7	36.7	2.4	2.4	6%	2.4	6%	2.4	6%
FEDERAL - SECTION 5309 BUS CAPT	8.6	8.6	8.6	8.6	100%	7.1	83%	7.1	83%
FEDERAL - REGIONAL STP	20.0	20.0					0%		0%
FEDERAL - ALTERNATIVE ANALYSIS	1.2	1.2	1.2	1.2	100%	1.2	100%	1.2	100%
STATE PROP 1B PTMSEA	201.2	201.2							
FEDERAL - TIFIA LOAN (Measure R)	545.9	545.9							
MEASURE R	661.1	661.1	53.4	49.6		36.9		35.5	
LOCAL AGENCY FUNDS	52.4	52.4							
PROP C 25% HIGHWAY	148.9	148.9	3.8	3.8		3.2		2.4	
PROP A 35% RAIL CAPITAL	4.8	4.8							
TOTAL	1,749.0	1,749.0	69.4	65.5	3.7%	50.8	2.9%	48.6	2.8%

NOTE: Expenditures are cumulative through January 2012.

Original Budget based on Board approved October 2011 Funding/Expenditure Plan

STATUS OF FUNDS ANTICIPATED

FEDERAL SECTION 5309 BUS CAPITAL: FTA approved Metro Grant on July 6, 2010 for a total of \$8.6M for bus and related facilities Preliminary Engineering effort. Funds are available for drawdown.

REGIONAL IMPROVEMENT PROGRAM: \$178.8 was allocated by the State during the Planning Stage of the Project (FY07). \$2.2M was allocated by the California Transportation Commission on January 28, 2011 for Preliminary Engineering work.

FEDERAL ALTERNATIVE ANALYSIS: \$1.2M was approved by FTA under the Alternative Analysis Program. Funds have been drawn down.

FEDERAL TIFIA LOAN (Measure R) (Transportation Infrastructure Finance & Innovation Act): Application for a loan of \$545.9M was submitted to the US Department of Transportation (DOT) in November 2011. On January 25, 2012 MTA made a presentation to the TIFIA Office on the projects description, financial capacity, and other related items. A Memorandum of Understanding (MOU) was submitted to USDOT in February 2012 with ongoing discussions on financial model assumptions and pledge of Measure R funds. An updated MOU from USDOT has just been received and is under review by MTA. Loan application is expected to be approved by June 30, 2012 with closing on July 3, 2012.

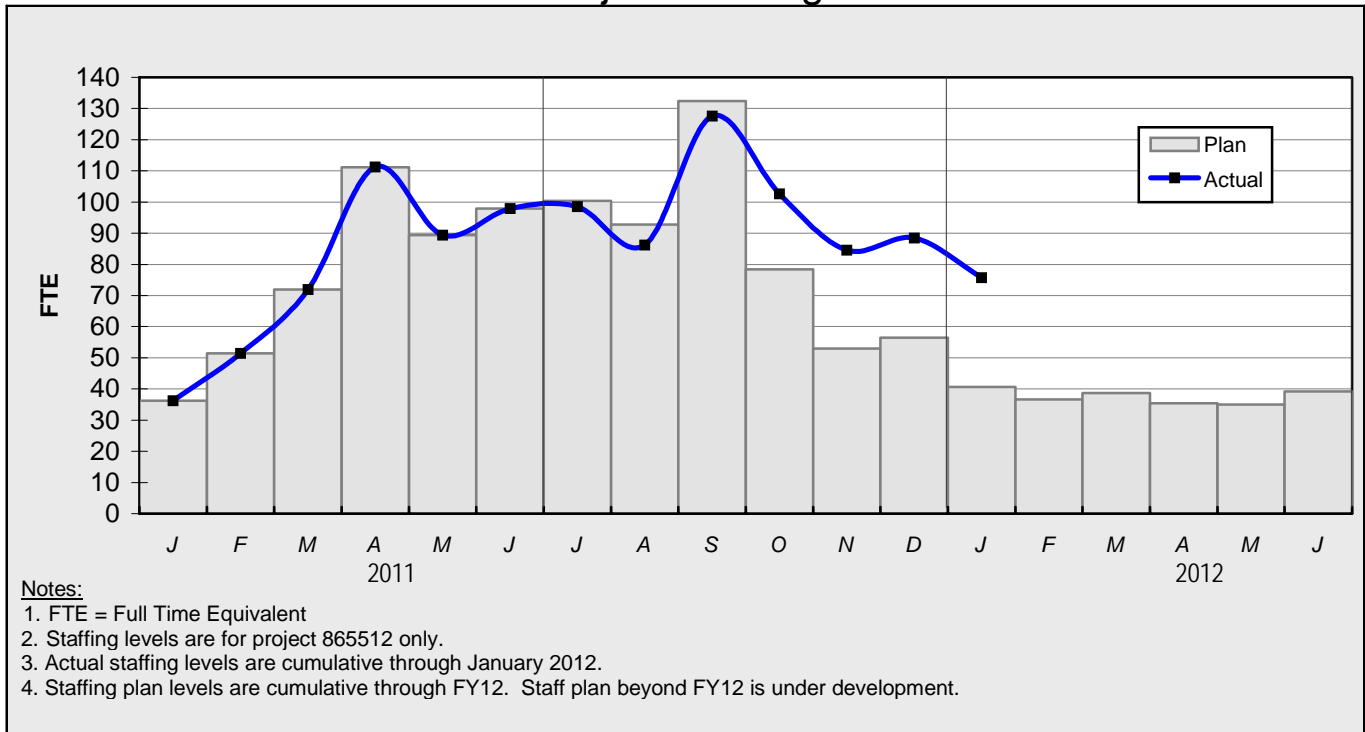
STATE PROP 1B – PTMISEA: A request for an allocation of \$38.4M was submitted to the State on June 1, 2011. A revised allocation request for \$12M will be submitted in February 2012. This revised amount will fund ROW and final design activities. The revised allocation request won't be approved until the State Bond Sale is completed (April/May 2012).

MEASURE R: \$53.4M has been allocated to the project based on the January 2012 Funding Plan. Funds are available for drawdown.

PROP C 25% HIGHWAY: \$3.8M has been allocated to the project based on the January 2012 Funding Plan. Funds are available for drawdown.

STAFFING STATUS

Total Project Staffing – FTES



TOTAL PROJECT STAFFING

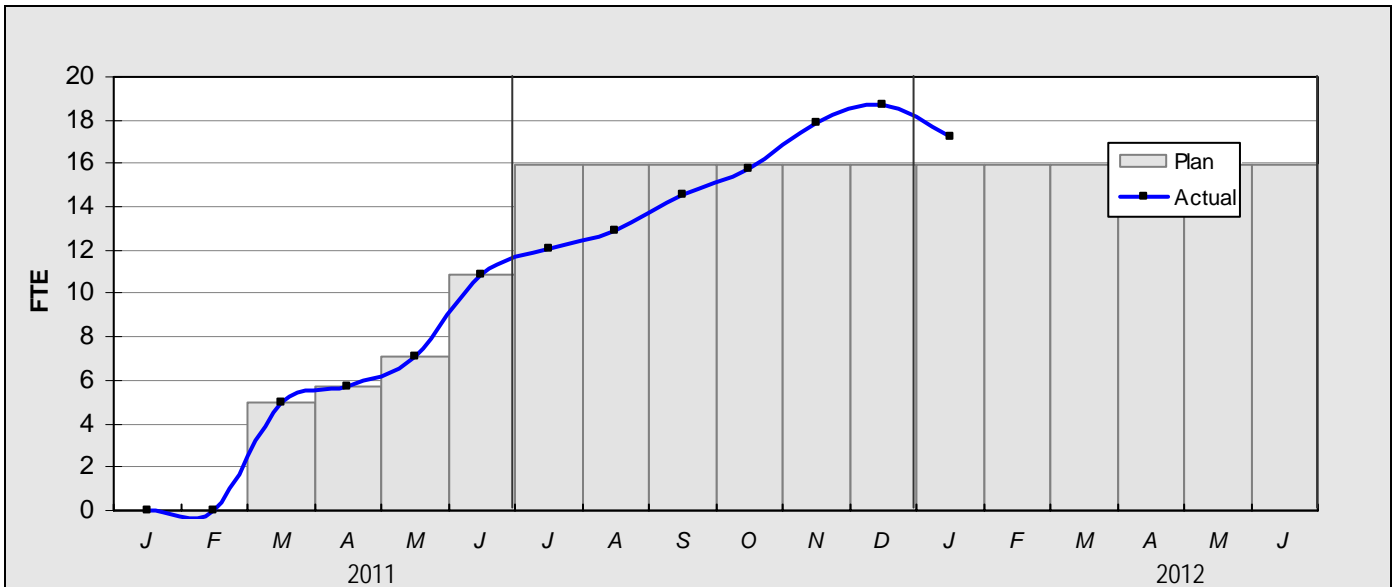
The overall FY12 Total Project Staffing plan averages 61.6 FTE's per month.

For January 2012, there were a total of 17.2 FTE's for MTA's Project Administration staff and 58.5 FTE's for consulting staff. The total project staffing was 75.7 FTE's for January 2012.

Project staffing beyond FY12 is under development.

STAFFING STATUS (Continued)

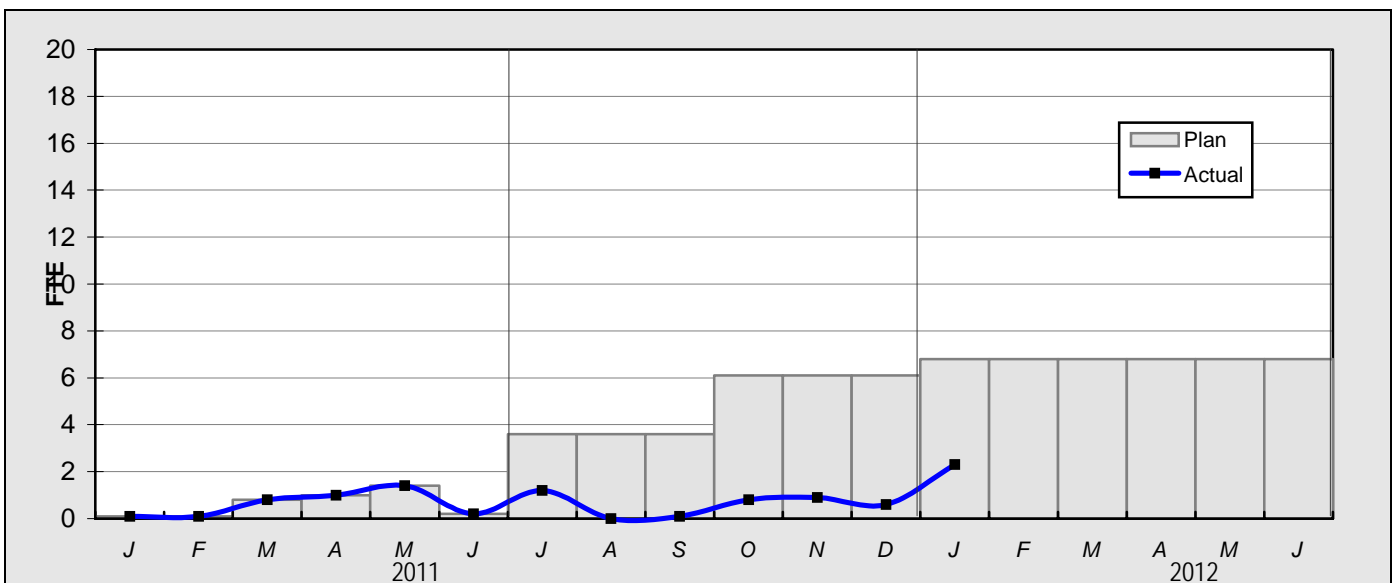
MTA STAFFING – FTES



Notes:

1. FTE = Full Time Equivalent
2. Staffing levels are for project 865512 only.
3. Actual staffing levels are cumulative through January 2012.
4. Plan staffing levels are cumulative through FY12. Staff plan beyond FY12 is under development.

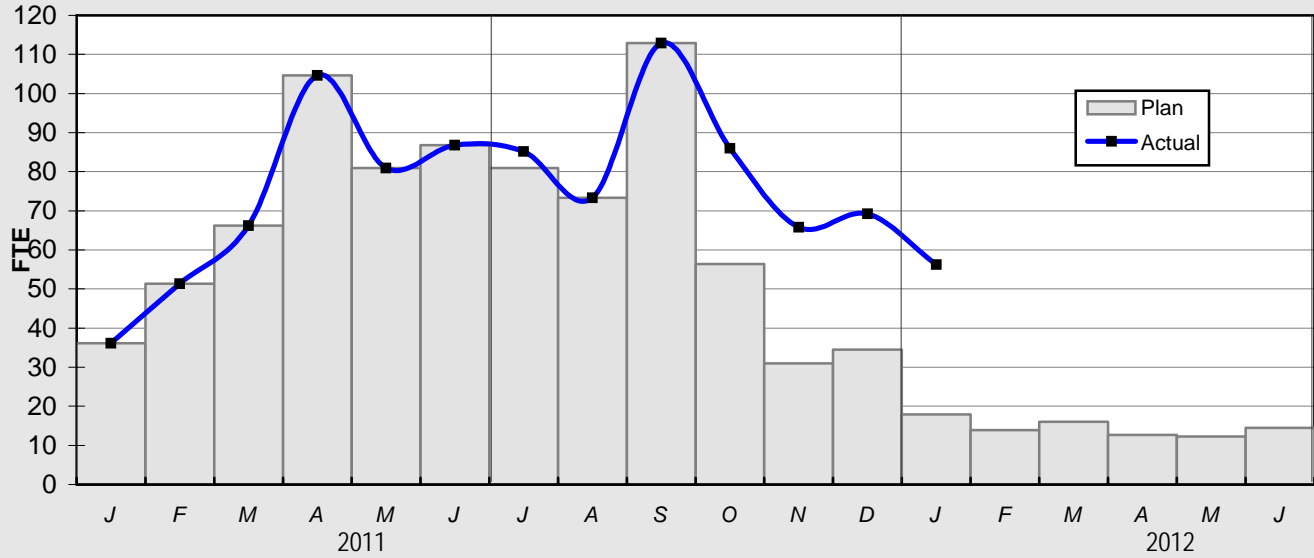
**CONSTRUCTION MANAGEMENT
 SUPPORT SERVICES CONSULTANT – FTES**



Note:

1. FTE = Full Time Equivalent
2. Staffing levels are for project 865512 only.
3. Actual staffing levels are cumulative through January 2012.
4. Plan staffing levels are cumulative through FY12. Staff plan beyond FY12 is under development.

**STAFFING STATUS (Continued)
ENGINEERING SERVICES CONSULTANT - FTES**



Notes:

1. FTE = Full Time Equivalent
2. Staffing levels are for project 865512 only.
3. Actual staffing levels are cumulative through January 2012.
4. Plan staffing levels are cumulative through FY12.Phase II only. Staff plan beyond FY12 is under development.

REAL ESTATE STATUS

Contract No.	Number of Parcels	Certified	Appraisals Complete	Just Comp. Approved	Offers Made	Agreements Signed	Condemnation Filed	Relocations Complete	Parcels Available
C0988 C/LAX Transit Corridor (D-B):									
Crenshaw									
Full Takes	9	7							
Part Takes	8								
TCE	0								
Subtotal Parcels	17	7							
Relocations	15								
Harbor Subdivision									
Full Takes	14	12							
Part Takes	9								
TCE	2								
Subtotal Parcels	25	12							
Relocations	34								
Total Parcels:	42	19							
C0991 Southwestern Yard (D-B):									
Full Takes	8	7	1	1	1				
Part Takes	0								
TCE	0								
Total Parcels:	8	7							
Relocations	4								
C0990 C/LAX Advance Utility Relocations:									
Total Parcels:	0								
Total Project Parcels	50	26							

- Received comments from the PMOC on the Relocation Plan. Responses have been prepared and returned to the PMOC.
- Twenty-two Appraisals underway.
- Nineteen Environmental Investigations underway.
- Acquisition and relocation consultants assigned for initial acquisition parcels including the Southwestern Yard which has a high priority given the lengthy relocation durations.

QUALITY ASSURANCE STATUS

- Attended weekly coordination meetings.
- Continued ongoing review and revision of multiple CSI specification sections.
- Reviewed Vernon Option submittal.
- Participated in development of Division 1 CSI specification sections.
- Attended status meetings on specification revisions.
- Reviewed 100% design for C0990 Advanced Utility Relocation Package.
- Reviewed Addendum 1 for C0990 Advanced Utility Relocation Package.

ENVIRONMENTAL STATUS

- Facilitated design change memo for FTA with consultants and Engineering group.
- Reviewed SWPPP for the Advanced Utilities Contract.
- Facilitated Cultural Resources Mitigation Monitoring Reporting Plan preparation.
- Facilitated meeting with FTA regarding the post-ROD design changes. Agreed on an environmental addendum process to evaluate impacts. A public meeting is planned for early May and a public hearing in late June.
- Provided guidance on clearance requirements for additional property takes.
- Met with team on Advanced Utility Spec. comments.

CONSTRUCTION RELATIONS STATUS

- Coordinated meeting with project staff and property owner Blue Diamond materials regarding business access and planned one-way street in City of Inglewood.
- Participated in Crenshaw/LAX Alignment Tour with City of Los Angeles Police Commissioner regarding Noise Variance Permit.
- Setting up a working meeting with Faithful Central Bible Church to address issues at Eucalyptus Avenue.
- Arranging a field tour for members of the Crenshaw Leadership Council.

ART DEVELOPMENT STATUS

- Participated in station design team meetings.
- Participated in system signage meetings.
- Continued to coordinate Crenshaw/LAX video artist payment and production – five short video clips currently in production.
- Finalized opportunities for integration of art work into RFP documents.

SAFETY & SECURITY STATUS

- Reviewed and presented construction safety requirements at Pre-Bid meeting for the Advanced Utility Contract.
- Conducted Safety/Security Meetings with Security personnel.
- Filed and posted Underground Classification from Cal/OSHA Mining and Tunneling.

THIRD PARTY AGREEMENT STATUS

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
City of Los Angeles	Master Cooperative Agreement	06/12	06/12	Negotiations taking place with City.
Los Angeles World Airports	Letter of Agreement	06/12	06/12	Discussions in-progress.
City of Inglewood	Master Cooperative Agreement	06/12	06/12	Interim LOA expected to be executed by April 2012. MCA negotiations in-progress.
Los Angeles Department of Water and Power	Memorandum of Understanding	06/12	06/12	MTA addressed comments; LADWP to review
Los Angeles County Public Works	Letter of Agreement	04/11	03/12	Executed
Caltrans	Amendment	08/11	03/12	Executed
Private Utilities	LOA, MOU or UCA	05/11 to 06/12	06/12	Discussions continuing with Third Party entities.

CPUC CROSSING SUMMARY

Package	PE Consultant submits RCHAP* to MTA	MTA submits RCHAP* to CPUC	Field Diagnostic Meeting	CPUC Preliminary Recommendations to MTA	Revise Package and Submit to PUC for Commission Resolutions	Submit Formal Application (if required) to PUC	CPUC Approval
1	1/26/12A	2/6/12A	03/26/12 - 3/29/12	07/06/12	07/20/12	09/12/12	11/12/12
2	1/26/12A	2/6/12A	03/26/12 - 3/29/12	07/06/12	07/20/12	09/12/12	11/12/12
3	1/26/12A	2/6/12A	03/26/12 - 3/29/12	07/06/12	07/20/12	09/12/12	11/12/12
4	1/26/12A	2/6/12A	03/26/12 - 3/29/12	07/06/12	07/20/12	09/12/12	11/12/12
5	1/26/12A	2/6/12A	03/26/12 - 3/29/12	07/06/12	07/20/12	09/12/12	11/12/12

(*) Rail Crossing Hazard Analysis Report (RCHAP)

Package Description	
<p>1 Harbor Subdivision At Grade</p> <p>Centinela Av 25-FA Ivy Avenue 27-FA Eucalyptus Avenue 28-FA North Cedar Avenue 29-FA Oak Street 30-FA Arbor Vitae Street 36-FA</p>	<p>4 Crenshaw At Grade</p> <p>West 48th Street 5FA West 50th Street 6-FA West 52nd Street 7-FA West 54th Street 8-FA West 57th Street 9-FA Crenshaw Boulevard/West 59th Street 11-FA Slauson Avenue 10-FA</p>
<p>2 Harbor Subdivision At Grade</p> <p>Victoria Avenue 21-88B Brynhurst Avenue 22-88B West Boulevard 23-FA Redondo (Closure) Hindry 34-FA La Brea Station Pedestrian Crossing High Street</p>	<p>5 Crenshaw Grade Separation</p> <p>Rodeo Road 2-FA Rodeo Place 3-FA Coliseum Street 4-FA Crenshaw Boulevard/West 60th Street 13-16 Crenshaw Boulevard/West 63rd Street 14-16 Crenshaw Boulevard/West 66th Street 16-16 Crenshaw Boulevard/West 66th Place 17-1 Crenshaw Boulevard/West 67th Street 18-16 Hyde Park Boulevard 31-88B Crenshaw Boulevard/West Vernon Avenue Crenshaw Boulevard/West 43rd Place Crenshaw Boulevard/West 43rd Street Crenshaw Boulevard/West Stocker Street Crenshaw Boulevard/West Martin Luther King Boulevard Crenshaw Boulevard/West Mall Entrance Crenshaw Boulevard/West 39th Street Crenshaw Boulevard/West Coliseum Place</p>
<p>3 Harbor Subdivision Grade Separation</p> <p>La Brea Street 26-88B San Diego (SR 405) UP 32-164D La Cienega Boulevard 33-88B Manchester (SR105) 35-88B Century Boulevard UP37-164D 104th Street 38 (87?)-88B 111th Street 39-88B Imperial Highway 40-164D I-405 West Hyde Park</p>	

Project follows CPU General Order No. 164-D as agreed to by MTA and the CPUC. The CPUC Crossing Summary adheres to the steps outlined in G.O. 164-D.

**FEDERAL AVIATION ADMINISTRATION (FTA)/
LOS ANGELES WORLD AIRPORTS (LAWA) SUMMARY STATUS**

- MTA is including in the base scope a partially covered trench configuration as an interim condition which allows MTA to keep the overall project budget at \$1,749 million. The preliminary engineering design includes a partially covered trench which includes provisions to allow for a future 1,600 foot covered trench section. FAA approved a formal Notification of Proposed Construction Alteration (Form 7460-1) for the partially covered configuration on February 29, 2012. Metro has filed an additional 7460-1 permit application to define construction phasing requirements for procurement documents.
- FAA provided written notice of late comments on the SDEIS/RDEIR for the Southwestern Yard site that was adopted by the MTA Board in April 2011. Comments requested the filing of a 7460-1 application for the yard site at Arbor Vitae and Bellance. An evaluation was performed by MTA and a written response is being prepared to FAA.

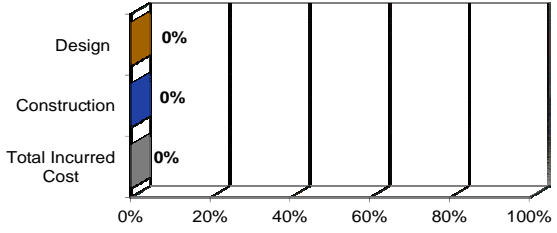
CHRONOLOGY OF EVENTS

2003	Major Investment Study
April 2007	Board authorized the CEO to award Contract PS 4330-1968 to complete environmental clearance and conceptual engineering.
December 2009	Board adopted the LRT Alternative as the Locally preferred Alternative and received and filed the Crenshaw Transit Corridor DEIS/DEIR.
December 2009	Board authorized the CEO to award Contract No. EO117 for Phase I, Advanced Conceptual Engineering.
September 2010	Board authorized the CEO to exercise option with Contract No. EO117 for Phase II Preliminary Engineering.
April 2011	Board adopted the Arbor Vitae/Bellanca (Site 14) LPA for the Maintenance Facility Site
July 2011	Board approved Southwestern Yard cost allocation.
September 2011	Board approved Project Definition and certified Final Environmental Impact Report
October 2011	Board approved the Life-of-Project Budget of \$1.749 billion.
December 15, 2011	CTC reviewed the FEIS/FEIR and adopted the required resolution for future funding consideration.
December 23, 2011	Request for Qualifications for Contract C0988 C/LAX Transit Corridor was released to Industry.
December 30, 2011	Received Record of Decision from FTA.
February 10, 2012	Released Invitation for Bid for Contract C0990 Crenshaw/LAX Advanced Utility Relocations.


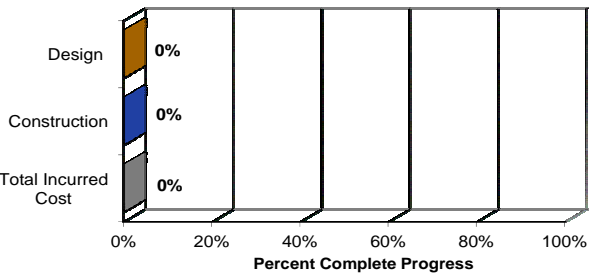
CONTRACT C0988 STATUS
Crenshaw/LAX Transit Corridor

<p>PE Design Contractor: Hatch Mott MacDonald (HMM) Contractor: - TBD</p>	<p>Contract No.: C0988 Status as of: March 2, 2012</p>																																													
<p>Progress/Work Completed: - Industry review completed in January 2012. - Board Established Life of Project Budget in October 2011. - Issued Request for Qualification (RFQ) in December 2011. - FTA Record of Decision received in December 2011. - CTC approved FEIR in December 2011.</p>	<p>Areas of Concern:</p>																																													
<p>Schedule Assessment:</p>																																														
<p>Schedule Summary: 1. Date of Award: 2. Notice to Proceed: 3. Original Substantial Completion Duration: 4. Current Substantial Completion Duration: 5. Elapsed Time from NTP:</p>	<p>Cost Summary: \$ In 000's 1. Award Value: 2. Executed Modifications: 3. Approved Change Orders: 4. Current Contract Value (1 + 2 + 3): - 5. Incurred Cost:</p>																																													
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CONTRACT C0990 STATUS
Crenshaw/LAX Advanced Utility Relocations

PE Design Contractor: Hatch Mott MacDonald (HMM) Contractor: - TBD	Contract No.: C0990 Status as of: March 2, 2012																																													
Progress/Work Completed: - HMM completed products in January 2012 to support advertisement. - Invitation for Bid Contract C0990 issued February 2012.	Areas of Concern:																																													
Schedule Assessment:	Cost Assessment:																																													
Schedule Summary: 1. Date of Award: 2. Notice to Proceed: 3. Original Substantial Completion Duration: 4. Current Substantial Completion Duration: 5. Elapsed Time from NTP:	Cost Summary: \$ In 000's 1. Award Value: 2. Executed Modifications: 3. Approved Change Orders: 4. Current Contract Value (1 + 2 + 3): - 5. Incurred Cost:																																													
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CONTRACT C0991 STATUS
Southwestern Yard

<p>PE Design Contractor: Hatch Mott MacDonald (HMM) Contractor: - TBD</p>	<p>Contract No.: C0991 </p> <p>Status as of: March 2, 2012</p>																																								
<p>Progress/Work Completed: - HMM is continuing design to support advertising this contract in February 2013.</p>	<p>Areas of Concern: - Increased time for relocation of car rental facilities located on yard parcels. - Relocation consultant being selected to determine relocation needs of existing tenants on yard parcels.</p>																																								
<p>Schedule Assessment:</p>	<p>Cost Assessment:</p>																																								
<p>Schedule Summary:</p> <ol style="list-style-type: none"> Date of Award: Notice to Proceed: Original Substantial Completion Duration: Current Substantial Completion Duration: Elapsed Time from NTP: 	<p>Cost Summary: \$ In 000's</p> <ol style="list-style-type: none"> Award Value: Executed Modifications: Approved Change Orders: Current Contract Value (1 + 2 + 3): - Incurred Cost: 																																								
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ALIGNMENT ILLUSTRATIONS



ALIGNMENT ILLUSTRATIONS (Continued)



Optional Station at Crenshaw/Vernon (Leimert Park).

ALIGNMENT ILLUSTRATIONS (Continued)



Optional station at Hindry/Florence.

CONSTRUCTION PHOTOGRAPHS

- Construction photographs will be included once construction commences in 2012.

APPENDIX
COST AND BUDGET TERMINOLOGY

Project Cost Descriptions -

ORIGINAL BUDGET	The Original Project Budget as established by the Metropolitan Transportation Authority (MTA) Board on October 27, 2011.
CURRENT BUDGET	The Original Budget plus all budget amendments approved by formal MTA Board action. Also referred to as Approved Budget.
COMMITMENTS	The total of actual contracts awarded, executed change orders or amendments, approved work orders of Master Cooperative Agreements, offers accepted for purchase of real estate, and other MTA actions which have been spent or result in the obligation of specific expenditures at a future time.
EXPENDITURES	The total dollar amount of funds expended by MTA for contractor or consultant invoices, third party invoices, staff salaries, real estate and other expenses that is reported in MTA's Financial Information System (FIS).
CURRENT FORECAST	The best estimate of the final cost of the project when all checks have been issued and the project is closed out. Current Forecast is composed of actual costs incurred to date, the best estimate of work remaining and a current risk assessment for each budgeted cost item.

Cost Report by Element Descriptions -

CONSTRUCTION	Includes construction contracts. Cost associated with Guideways, Stations, Southwestern Yard, Sitework/Special . Conditions and Systems.
RIGHT-OF-WAY	Includes purchase cost of parcels, easements, right-of-entry permits, escrow fees, contracted real estate appraisals and tenant relocation.
VEHICLES	Includes the purchase of LRT vehicles and spare parts for the project.
PROFESSIONAL SERVICES	Includes design engineering, project management assistance, construction management support services, legal counsel, agency staff costs, and other specialty consultants.
CONTINGENCY	A fund established at the beginning of a project to provide for anticipated but unknown additional costs that may arise during the course of the project.
PROJECT REVENUE	Includes all revenue receivable to the MTA as a direct result of project activities. This includes cost sharing construction items, insurance premium rebates, and the like.

APPENDIX
LIST OF ACRONYMS

ATC	Automatic Train Control
ATSAC	Automated Traffic Surveillance and Control
BNSF	Burlington Northern Santa Fe Railway Company
CADD	Computer Aided Drafting and Design
CALTRANS	California Department of Transportation
CCTV	Closed Circuit Television
CD	Calendar Day
CM	Construction Manager
CMAQ	Congestion Mitigation and Air Quality Improvement Program
CN	Change Notice
CO	Change Order
CPM	Critical Path Method
CPUC	California Public Utilities Commission
CR	Camera Ready
CTC	California Transportation Commission
CUD	Contract Unit Description
DB	Design Build
DBB	Design Bid Build
DOT	Department of Transportation
DWP	Department of Water and Power
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EPBM	Earth Pressure Balance Machine
FAA	Federal Aviation Administration
FAR	Federal Acquisition Regulation
FD	Final Design
FEIS	Final Environmental Impact Statement
FEIR	Final Environmental Impact Report
FIS	Financial Information System
FSEIR	Final Supplemental Environmental Impact Report
FSEIS	Final Supplemental Environmental Impact Statement
FTA	Federal Transit Administration
FTE	Full Time Equivalent
GDSR	Geotechnical Design Summary Report
HMM	Hatch Mott MacDonald
IFB	Invitation for Bid
IPMO	Integrated Project Management Office
JV	Joint Venture
LA	Los Angeles
LABOE	Los Angeles Bureau of Engineering
LABOS	Los Angeles Bureau of Sanitation
LACFCD	Los Angeles County Flood Control District

APPENDIX
LIST OF ACRONYMS (Continued)

LACMTA	Los Angeles County Metropolitan Transportation Authority
LADOT	Los Angeles Department of Transportation
LADPW	Los Angeles Department of Public Works
LADWP	Los Angeles Department of Water and Power
LAUSD	Los Angeles Unified School District
LAWA	Los Angeles World Airports
LAX	Los Angeles International Airport
LNTP	Limited Notice To Proceed
LONP	Letter Of No Prejudice
LRT	Light Rail Transit
L RTP	Long Range Transportation Plan
LRV	Light Rail Vehicle
MIS	Major Investment Study
MPSR	Monthly Project Status Report
N/A	Not Applicable
NEPA	National Environmental Protection Act
NPDES	National Pollution Discharge Elimination System
NTE	Not to Exceed
NTP	Notice To Proceed
OCS	Overhead Cantenary System
PA/VMS	Public Address/Visual Messaging Sign
PE	Preliminary Engineering
PEER	Permit Engineering Evaluation Report
PGL	Pasadena Gold Line
PIP	Project Implementation Plan
PM	Project Manager
PMA	Project Management Assistance
PMIP	Project Management Implementation Plan
PMOC	Project Management Oversight Consultant
PMP	Project Management Plan
P&P	Policies & Procedures
PR	Project Report
PSR	Project Study Report
QA	Quality Assurance
QAR	Quality Assurance Report
QC	Quality Control
QPSR	Quarterly Project Status Report
QTIB	Qualified Transit Improvement Bonds
RAMP	Real Estate Acquisition Management Plan
RCMP	Risk Assessment Management Plan
RFC	Request For Change
RFP	Request For Proposals
RFQ	Request For Qualifications

APPENDIX
LIST OF ACRONYMS (Continued)

RLPE	Red Light Photo Enforcement
ROCC	Rail Operations Control Center
ROD	Record Of Decision
ROM	Rough Order of Magnitude
RSD	Revenue Service Date
ROW	Right-Of-Way
SAV	Stand Alone Validator
SCAQMD	Southern California Air Quality Management District
SCADA	Supervisory Control and Data Acquisition
SCC	Standard Cost Category
SCE	Southern California Edison
SCRRA	Southern California Regional Rail Authority
SHA	State Highway Account
SHPO	State Historic Preservation Office
SIT	System Integration Testing
SOV	Schedule Of Value
SOW	Statement Of Work
SP	Special Provision
SSMP	Safety and Security Management Plan
STB	Surface Transportation Board
STIP	State Transportation Improvement Program
STP	Surface Transportation Program
STV	STV Group
TBD	To Be Determined
TBM	Tunnel Boring Machine
TCRP	Traffic Congestion Relief Program
TIFIA	Transportation Infrastructure Finance and Innovation Act
TIGER	Transportation Investment Generating Economic Recovery
TPSS	Traction Power Substation
TRACS	Transit Automatic Control System
TVA	Threat Vulnerability Analysis
TVM	Ticket Vending Machine
UFS	Universal Fare System
USDOT	United States Department Of Transportation
VE	Value Engineering
WBS	Work Breakdown Structure
WP	Work Package
YOE	Year of Expenditure