

# Phase 2 Exposition Metro Line Project

## Monthly Project Status Report

August 2012





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### Phase 2 Exposition Metro Line Construction Authority Project Description

The Expo Phase 2 Project is located in the Westside of Los Angeles, extending approximately seven miles from the Expo Phase 1 terminus at Culver City Station to Santa Monica. The Phase 2 alignment begins at the terminus of Expo Phase 1 and utilizes the existing Exposition Right-of-Way (ROW), then diverges from the Exposition ROW and enters onto Colorado Avenue east of 17<sup>th</sup> Street. The alignment follows the center of Colorado Avenue to the proposed terminus in downtown Santa Monica in the vicinity of the intersection of 4<sup>th</sup> Street and Colorado Avenue.

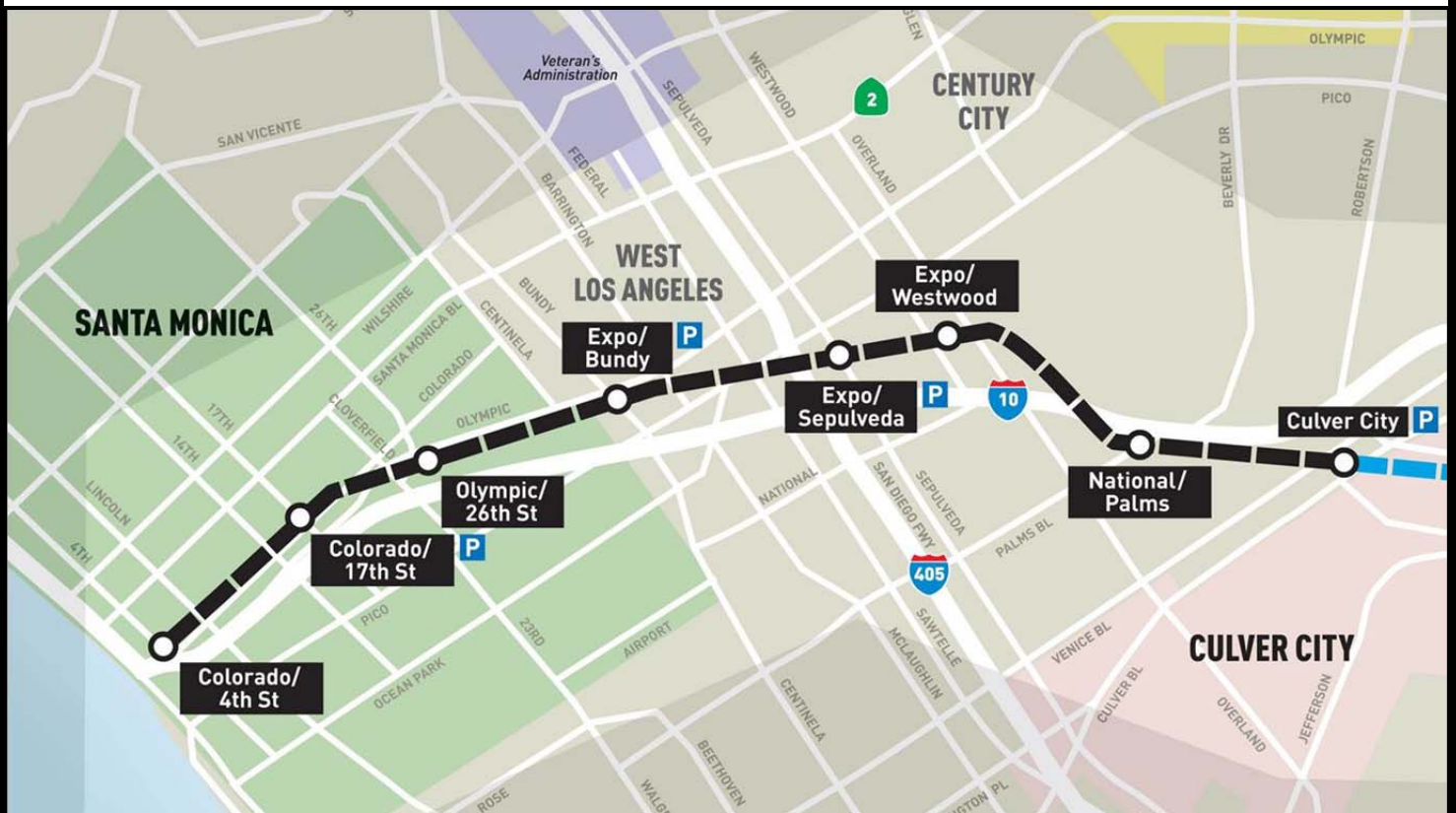


Figure 1: Exposition Metro Line Construction Authority Phase 2 Alignment



## **Phase 2 Exposition Metro Line Construction Authority Culver City to Santa Monica Segment**

### **Project Management Issues**

#### **Appeal on Environmental Document Ruling**

The legal challenge to the Phase 2 CEQA document by the community group, Neighbors for Smart Rail (NFSR), was denied by the California Superior Court in Los Angeles County. NFSR filed an appeal of that ruling. The Court of Appeal affirmed the judgment of the Superior Court. NFSR filed an appeal of that ruling. The State Supreme Court agreed to hear the appeal; awaiting Court calendar.

#### **California Public Utilities Commission (CPUC)**

The CPUC issued a resolution on November 10, 2011 granting authorization to construct the project crossings. Neighbors for Smart Rail (NFSR) filed an appeal. The CPUC agreed to a rehearing; awaiting CPUC calendar.

#### **Utility Relocations**

The Authority worked closely with Los Angeles Department of Water and Power (LADWP) and Southern California Edison (SCE) to advance overhead power line relocations required to accommodate the Project. The Authority also worked with Southern California Gas (SCG) and multiple communications providers to advance relocation of their facilities. Utility relocations are on the critical path of the Project. Current projections show a potential schedule risk of five months. To mitigate potential schedule risk, the Authority is proactively:

- a. Meeting with SCE executive management on a bi-monthly basis and with DWP on a bi-weekly basis.
- b. Coordinating weekly at the staff level with DWP, SCE, and SCG.
- c. Holding independent facilitated partnering sessions with the utilities and the Design-Build contractor.
- d. Advancing procurement of long lead items with SCE and SCG.
- e. Having Design-Build contractor perform duct bank installation on behalf of DWP.
- f. Working with the Design-Build contractor to identify alternative means and methods ahead of utility relocations.
- g. Working at the executive management level with utilities to identify creative, potential measures:
  1. Utilities commit additional resources to keep the design process moving forward.
  2. Utilities schedule construction early ahead of 100% completion of final design.
  3. Utilities accelerate construction (extra crews, OT, weekends, etc).
  4. Utilities and Design-Build contractor coordinate field activities to allow parallel construction.
  5. Design-Build contractor prepare traffic control plans on behalf of utilities and apply for noise variance permits for night work.

#### **Kenter Canyon Storm Drain**

A 10-foot diameter Los Angeles County storm drain built in the 1930s runs along Colorado Avenue in Santa Monica. A significant portion of the storm drain lies beneath the light rail tracks in the street running section of the Project along Colorado Avenue. The Phase 2 Design-Build contractor presented to the Authority draft findings of the Kenter Canyon storm drain structural analysis, which showed no additional protections are required. Final findings were presented to Los Angeles County Flood Control District (LACFCD). LACFCD reviewed the analysis and provided comments which were resolved. Based on information provided to date, it appears that with concurrence from the County, the Kenter Canyon Storm Drain can be left in place as is.



### **Venice Boulevard Underpass (VBU)**

The VBU structure will bridge Venice Boulevard which is a Caltrans roadway and will impact multiple overhead and underground utilities, necessitating right-of-way acquisition. Current projections show a potential schedule risk related to VBU utility relocations. To mitigate potential schedule risk, the Authority is proactively working with Caltrans, LADWP, seven communications firms, and a soil analysis firm to advance encroachment permit applications for utility relocations. The VBU Design-Build contractor received approval from Caltrans on the 100% structural plans, and advanced sewer line relocation.

### **I-405 HOV Project Interface**

The Metro contractor for the I-405 HOV and the Authority's contractor have work in the same location in the same timeframe. The I-405 HOV contractor designed falsework without an opening for Expo construction. If the I-405 HOV schedule slips, the Authority contractor may be impacted. The I-405 HOV contractor and the Authority's contractor are coordinating their activities in an effort to minimize any impacts to either Project's schedules.



### **Key Activities Completed this Period**

#### Phase 2 Design-Build contractor, Skanska/Rados (SRJV)

- SRJV submitted 85%/Advanced Partial Design/100% design documents and Metro-Authority-third party staff advanced reviews. SRJV prepared documents to support right of way efforts. SRJV advanced engineering of City of Santa Monica funded betterments to the 4<sup>th</sup>, 17<sup>th</sup>, and 26<sup>th</sup> Street Stations. SRJV sought LACFCD concurrence with the Kenter Canyon storm drain structural analysis.
- SRJV continued construction activities – continued utility and third party coordination; performed clearing and grubbing, guideway excavation, hazardous soil removal, structure excavation; installed sewer lines on Colorado and Pico; installed water lines on 19<sup>th</sup>, 26<sup>th</sup>, and Stewart; encased sewer at Overland; installed bridge piles at Centinela and load tested.
- LADWP - Water Services and Pacific Coast Energy Company continued to relocate facilities.
- Authority coordinated with SRJV and utilities to mitigate potential schedule delays.

#### Venice Boulevard Underpass Design-Build contractor, Balfour Beatty (BBII)

- BBII received Caltrans written approval of the 100% structural design and verbal approval of the 100% roadway design. BBII worked with LADOT to resolve comments on traffic signaling and traffic control designs.
- BBII continued construction activities – continued utility and third party coordination; continued sewer relocation.
- Leighton submitted a report on soil analysis [in support of BBII, LADWP, and communications firms encroachment permit applications] to Caltrans for review; worked with Caltrans to resolve comments.
- Authority worked with Caltrans, LADWP, and communications firms to advance encroachment permit applications for utility relocations.
- Authority coordinated with BBII, Caltrans, and LADWP to mitigate potential schedule delays.

#### Expo Rail Operations and Maintenance Facility designer, Maintenance Design Group (MDG)

- MDG advanced 100% design documents.
- Authority advanced construction procurement documents.

#### Phase 2 Bikeway

- SRJV advanced cost estimate based on the Preliminary Engineering design.
- Authority advanced draft bikeway contract.
- Bicycle Advisory Committee met on August 21<sup>st</sup>.

#### General

- SRJV and MDG continued to coordinate contract interface activities. SRJV and I-405 Contractor continued to coordinate contract interface activities.
- Continued coordination with third party utilities to resolve conflicts.
- Continued coordination with Department of Toxic Substances Control (DTSC) and SRJV to advance the Expo 2 soil management plan and air monitoring scope.
- Held Fire Life Safety Committee meetings/workshops on August 9<sup>th</sup>, 14<sup>th</sup>, 28<sup>th</sup>.
- Held community meetings and met with affected project stakeholders
- Continued FEIR mitigation measures. Advanced Santa Monica Air Line data recovery plan.



### **Key Future Activities**

#### Phase 2 Design-Build contractor, Skanska/Rados (SRJV)

- SRJV continue construction activities – perform clearing and grubbing, guideway excavation, hazardous soil removal, structure excavation; demolish vacated facilities (sheds in CSM Colorado Yard); install sewer lines on Colorado and Pico; install water lines on 19<sup>th</sup> and Pico; install OCS foundations; install bridge piles at Olympic and Sepulveda; install bridge pile cap at Centinela.
- LADWP - Water Services, Pacific Coast Energy Company, and communications firms will continue to relocate facilities.
- Authority continue to coordinate with SRJV and utilities to mitigate potential schedule delays.

#### Venice Boulevard Underpass Design-Build contractor, Balfour Beatty (BBII)

- BBII work with LADOT to resolve comments on traffic signaling and traffic control designs.
- BBII continue construction activities – continue sewer relocation; install piles for structure.
- Leighton work with Caltrans to resolve comments on soil analysis report [in support of BBII, LADWP, and communications firms encroachment permit applications].
- Authority work with Caltrans, LADWP, and communications firms to advance encroachment permit applications for utility relocations.
- Authority continue to coordinate with BBII, Caltrans, and LADWP to mitigate potential schedule delays.

#### Expo Rail Operations and Maintenance Facility designer, Maintenance Design Group (MDG)

- MDG advance 100% design documents.
- Authority advance construction procurement documents.

#### Phase 2 Bikeway

- SRJV submit cost estimate based on the Preliminary Engineering design.
- Authority advance draft bikeway contract.
- Hold monthly Bicycle Advisory Committee meeting.

#### General

- SRJV and BBII continue to coordinate contract interface activities. SRJV and MDG continue to coordinate contract interface activities. SRJV and I-405 Contractor continue to coordinate contract interface activities.
- Continue coordination with third party utilities to resolve conflicts.
- Continue coordination with Department of Toxic Substances Control (DTSC) and SRJV to advance the Expo 2 soil management plan and air monitoring scope.
- Hold Fire Life Safety Committee meetings/workshops.
- Hold Urban Design Committee meeting.
- Hold community meetings and meet with affected project stakeholders.
- Continue FEIR mitigation measures. Complete Santa Monica Air Line data recovery plan.





**Phase 2 Exposition Metro Line Construction Authority Schedule Status**

**Critical Path Schedule, Period Ending August 31, 2012**

Expo LRT Phase 2 - AUGUST 2012		EXPO2-Monthly Report			11-Sep-12 12:56											
Activity Name	Orig. Dur.	Start	Finish	2012	2013			2014			2015			2016		
				Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Expo LRT Phase 2 - AUGUST 2012</b>	1330	14-Mar-11 A	05-Nov-16													
<b>STAGE B</b>	1330	14-Mar-11 A	05-Nov-16													
<b>MILESTONES</b>	1330	01-Sep-11 A	05-Nov-16													
<b>OVERALL</b>	1743	01-Sep-11 A	08-Jun-16													
EXPO 2 DURATION TO ROD (1520 + 332)	1520	01-Sep-11 A	10-Jul-15													
SCHEDULE CONTINGENCY	334	11-Jul-15	08-Jun-16													
<b>DESIGN-BUILD CONTRACT (SRJV)</b>	1193	01-Oct-12	06-Jan-16													
DESIGN-BUILD CONTRACT - FULL NOTICE TO PROCEED	0	01-Oct-12*														
DESIGN-BUILD CONTRACT - ACCESS EAST OF BAGLEY	0		01-May-13*													
DESIGN-BUILD CONTRACT - 2011 RAIN ALLOWANCE	0	29-Mar-15	29-Mar-15													
DESIGN-BUILD CONTRACT - 2012 RAIN ALLOWANCE	28	29-Mar-15	25-Apr-15													
DESIGN-BUILD CONTRACT - 2013 RAIN ALLOWANCE	28	26-Apr-15	23-May-15													
DESIGN-BUILD CONTRACT - 2014 RAIN ALLOWANCE	28	24-May-15	20-Jun-15													
DESIGN-BUILD CONTRACT - 2015 RAIN ALLOWANCE	20	21-Jun-15	10-Jul-15													
DESIGN-BUILD CONTRACT - SUBSTANTIAL COMPLETION [DAY ZERO + 1520]	0		10-Jul-15*													
DESIGN-BUILD CONTRACT - PUNCHLIST COMPLETION (SUBSTANTIAL COMPLETION +	0		08-Oct-15													
DESIGN-BUILD CONTRACT - FINAL ACCEPTANCE (PUNCHLIST COMPLETION + 90)	0		06-Jan-16*													
<b>VENICE BOULEVARD BRIDGE (BBI)</b>	53	07-Oct-13	29-Nov-13													
VBU - STRUCTURE COMPLETION AND SETTLEMENT MILESTONE (TRACK READY)	0		07-Oct-13*													
VBU - DESIGN-BUILD CONTRACT SUBSTANTIAL COMPLETION	0		29-Nov-13*													
<b>MAINTENANCE FACILITY CONTRACT</b>	630	07-Jun-13	26-Feb-15													
MAINTENANCE FACILITY - CONSTRUCTION NOTICE TO PROCEED	0	07-Jun-13														
MAINTENANCE FACILITY - FINAL ACCEPTANCE	0		26-Feb-15*													
<b>BIKE PATH</b>	588	17-Sep-12	07-Jan-15													
BIKE PATH - NTP DESIGN-BUILD	0	17-Sep-12														
BIKE PATH - SUBSTANTIAL COMPLETION	0		07-Jan-15													
<b>LA METRO</b>	150	09-Jun-16	05-Nov-16													
LA METRO - SYSTEM INTEGRATION TESTING (60)	60	09-Jun-16	07-Aug-16													
LA METRO - PRE-REVENUE OPERATION (90)	90	08-Aug-16	05-Nov-16													
LA METRO - SERVICE OPERATION DATE (ROD)	0		05-Nov-16*													
<b>Metro Property Acquisitions</b>	421	14-Mar-11 A	13-Dec-13													
POST-ACQUISITION GROUND LEASE	5	14-Mar-11 A	01-Oct-12													
PURCHASE	5	30-Sep-11 A	14-Jan-13													
PARTIAL ACQUISITIONS	357	23-Jul-12 A	13-Dec-13													
<b>SRJV Design Build</b>	915	20-Jun-11 A	27-Mar-15													
<b>Final Design</b>	403	20-Jun-11 A	08-May-13													
BRIDGE DESIGN PACKAGES	5	20-Jun-11 A	22-Jan-13													
GUIDEWAY AND TRACKWORK DESIGN PACKAGES	5	30-Jun-11 A	05-Oct-12													
STATION DESIGN PACKAGES	5	27-Jul-11 A	08-May-13													
WALL STRUCTURE DESIGN PACKAGES	297	02-Aug-11 A	05-Oct-12													
WET UTILITIES DESIGN PACKAGES	5	04-Aug-11 A	21-Nov-12													
ROADWAY DESIGN PACKAGES	5	04-Aug-11 A	24-Jan-13													
OVERHEAD CANTONARY SYSTEM (OCS) DESIGN PACKAGES	298	05-Aug-11 A	27-Nov-12													
TRAFFIC SIGNAL DESIGN PACKAGES	5	08-Aug-11 A	21-Nov-12													
PARKING STRUCTURE DESIGN PACKAGE	141	16-Aug-11 A	12-Oct-12													
COMMUNICATION DESIGN PACKAGES	5	14-Feb-12 A	26-Apr-13													
TRACTION POWER SYSTEM (TPS) DESIGN PACKAGES	236	23-Apr-12 A	25-Mar-13													
<b>CONSTRUCTION</b>	697	01-Dec-11 A	12-Feb-15													
<b>SEGMENT 1</b>	599	01-Dec-11 A	21-Oct-14													
SEGMENT 1 - SITEWORK AND SPECIAL CONDITIONS-INITIAL SITEWORK	242	01-Dec-11 A	19-Feb-13													
SEGMENT 1 - GUIDEWAYS AND TRACKS	379	07-Sep-12	04-Mar-14													
SEGMENT 1 - STATIONS	218	29-Jul-13	04-Jun-14													
SEGMENT 1 - SITEWORK AND SPECIAL CONDITIONS-STREET IMPROVEMENTS	182	05-Feb-14	21-Oct-14*													
SEGMENT 1 - SYSTEMS AND EQUIPMENT	159	07-Mar-14	21-Oct-14*													
<b>SEGMENT 2</b>	642	08-Feb-12 A	25-Nov-14													
SEGMENT 2 - STATIONS AND PARKING	634	08-Feb-12 A	14-Nov-14													
SEGMENT 2 - SITEWORK AND SPECIAL CONDITIONS-INITIAL SITEWORK	383	05-Mar-12 A	10-Dec-13													
SEGMENT 2 - GUIDEWAYS AND TRACKS	442	06-Sep-12	02-Jun-14													
SEGMENT 2 - SYSTEMS AND EQUIPMENT	258	19-Nov-13	25-Nov-14													
<b>SEGMENT 3</b>	697	29-Mar-12 A	12-Feb-15													
CENTINELA TO 17TH	601	08-Jun-12 A	30-Dec-14													
SEGMENT 3 - SITEWORK AND SPECIAL CONDITIONS	388	08-Jun-12 A	12-Mar-14													

█ Remaining Level of ...  
█ Actual Level of Effort

**EXPO 2 CONTROL SCHEDULE - AUGUST 2012**

D..	Revision	C..	A..



**EXPOSITION METRO LINE  
CONSTRUCTION AUTHORITY**  
Monthly Phase 2 Project Status Report  
Period Ending –August 31, 2012



**Critical Path Schedule August Continued**

Expo LRT Phase 2 - AUGUST 2012		EXPO2-Monthly Report			11-Sep-12 12:56											
Activity Name	Orig Dur.	Start	Finish	2012	2013			2014			2015			2016		
				Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
SEGMENT 3 - GUIDEWAYS AND TRACKS	345	02-Oct-12	07-Feb-14													
SEGMENT 3 - STATIONS	225	15-Jan-13	29-Nov-13													
SEGMENT 3 - SYSTEMS AND EQUIPMENT	294	04-Nov-13	30-Dec-14													
<b>COLORADO</b>	697	29-Mar-12 A	12-Feb-15													
SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORADO 17TH T	322	29-Mar-12 A	20-Aug-13													
SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORADO 7TH T	494	21-Jun-12 A	28-May-14													
SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORADO 14TH T	367	21-Aug-12*	29-Jan-14													
SEGMENT 3 - COLORADO STATIONS	448	12-Apr-13*	15-Jan-15													
SEGMENT 3 - COLORADO GUIDEWAYS AND TRACKS	208	15-Aug-13	09-Jun-14													
SEGMENT 3 - COLORADO SYSTEMS AND EQUIPMENT	173	10-Jun-14	12-Feb-15													
<b>SYSTEMS TESTING AND INTEGRATION</b>	228	06-May-14	27-Mar-15													
COMMUNICATIONS LOCAL FIELD ACCEPTANCE TESTING	213	06-May-14	06-Mar-15													
TRAIN CONTROL LOCAL FIELD ACCEPTANCE TESTING	196	07-May-14	12-Feb-15													
OCS SYTEM INTEGRATED TESTING	122	06-Oct-14	27-Mar-15													
TRAIN CONTROL INTEGRATED SYSTEM TESTING	105	29-Oct-14	27-Mar-15													
COMMUNICATIONS SYSTEM INTEGRATION TESTING	15	09-Mar-15	27-Mar-15													
<b>Venice Boulevard Underpass (VBU)</b>	411	01-Sep-11 A	29-Nov-13													
VBU - ROADWAY DESIGN	149	01-Sep-11 A	14-Sep-12													
VBU - BRIDGE DESIGN	161	01-Sep-11 A	14-Sep-12													
VBU - METRO CRITICAL PROPERTY ACQUISITIONS (DEL TACO ROE)	192	23-Apr-12 A	28-Sep-12													
VBU - METRO PROPERTY ACQUISITIONS	407	23-Apr-12 A	30-Apr-13													
VBU - RELOCATE 48" SANITARY SEWER	72	22-Jun-12 A	16-Oct-12													
VBU - DWP PS RELOCATE OH	127	21-Aug-12	19-Feb-13													
VBU - EXPO INSTALL COMMUNICATIONS JOINT TRENCH	127	21-Aug-12	19-Feb-13													
VBU - BRIDGE CRITICAL SUBMITTALS/PROCUREMENT	42	17-Sep-12	13-Nov-12													
VBU - DWP PS INSTALL DUCTBANK AND BACKFILL AT SEWER RELOCATION AREA	10	17-Oct-12	30-Oct-12													
VBU - CONSTRUCT BRIDGE SUBSTRUCTURE, ABUTMENTS AND BENTS	77	31-Oct-12	19-Feb-13													
VBU - CONSTRUCT BRIDGE SUPERSTRUCTURE AND RELEASE FORMWORK	108	20-Feb-13	23-Jul-13													
VBU - CONSTRUCT BRIDGE EMERGENCY WALKWAYS, CABLE RAILINGS AND DUCTBAN	36	24-Jul-13	12-Sep-13													
VBU - BRIDGE SETTLEMENT PERIOD (76 CALENDAR DAYS)	76	24-Jul-13	07-Oct-13													
VBU - ROADWAY CONSTRUCTION	55	13-Sep-13	29-Nov-13													
VBU - PLAZA CONSTRUCTION	55	13-Sep-13	29-Nov-13													
<b>Rail Operation and Maintenance Facility (OMF)</b>	657	29-Jun-12 A	26-Feb-15													
MAINTENANCE FACILITY - FINAL DESIGN - 100% DESIGN SUBMITTAL	83	29-Jun-12 A	25-Oct-12													
MAINTENANCE FACILITY - FINAL DESIGN - 100% DESIGN REVIEW AND EXPO APPROVA	19	26-Oct-12	21-Nov-12													
MAINTENANCE FACILITY - CONSTRUCTION DOCUMENT SUBMITTAL	38	23-Nov-12	17-Jan-13													
MAINTENANCE FACILITY - CONSTRUCTION DOCUMENTS REVIEW AND EXPO APPROV#	10	17-Jan-13	31-Jan-13													
MAINTENANCE FACILITY - CONSTRUCTION BID AND AWARD	90	31-Jan-13	06-Jun-13													
MAINTENANCE FACILITY - CONSTRUCTION	377	07-Jun-13	28-Nov-14													
MAINTENANCE FACILITY - COMMISSIONING	62	01-Dec-14	26-Feb-15													
<b>Bike Path</b>	638	04-Jun-12 A	07-Jan-15													
BIKE PATH - NEGOTIATION AND CONTRACT	70	04-Jun-12 A	14-Sep-12													
BIKE PATH - FINAL DESIGN	150	17-Sep-12	17-Apr-13													
BIKE PATH - CONSTRUCTION	438	18-Apr-13	07-Jan-15													

Remaining Level of ...  
 Actual Level of Effort

**EXPO 2 CONTROL SCHEDULE - AUGUST 2012**

D..	Revision	C..	A..



## Schedule Narrative

### Critical and Near-Critical Path Analysis

Currently, the Critical Path runs through the LRT Design-Build Project starting with LADWP and SCE overhead power relocations at multiple locations. In the City of LA, the relocations are followed by the construction of the Bridges. In the City of Santa Monica, the power relocations are followed by the relocation and installation of other wet utilities followed by street improvements. The path continues with the installation of Trackwork followed by the installation and testing of the Overhead Catenary and Train Control Systems.

The current Design-Build Contractor's schedule shows a potential for about five months of delay due to the power relocation schedule. Re-sequencing and other work-around options have been submitted and the Design-Build Contractor is in the process of preparing a Recovery Schedule.

### Project Float/ Schedule Contingency

On January 5, 2012, the Board of Directors authorized the Authority to include schedule contingency in accordance with Metro's Project Contingency procedure. Per this adjustment, the projected Revenue Operation Date is November 5, 2016.

	Original Duration (days)	Days Released	Current Duration (days)
Schedule Contingency	334	0	334



**Phase 2 Exposition Metro Line Construction Authority Financial Status**

**Project Cost Status and Analysis  
Expo/Metro Baseline**

**COST REPORT BY ELEMENT**  
UNITS IN MILLIONS

Element	Description	Original Budget	Current Budget	Commitments	Expenditures	Current Forecast	Forecast Variance Over/<Under>
C	CONSTRUCTION	766.4	766.3	555.3	120.0	766.3	-
R	RIGHT-OF-WAY	265.0	265.0	81.8	81.5	265.0	-
V	VEHICLES	202.1	202.1	-	-	202.1	-
P	PROFESSIONAL SERVICES	148.2	148.2	87.2	47.8	148.2	-
SC	SPECIAL CONDITIONS	63.6	63.6	23.5	2.7	63.6	-
PR	PROJECT RESERVE	66.0	66.0	-	-	66.0	-
<b>TOTAL</b>		<b>1,511.2</b>	<b>1,511.2</b>	<b>747.8</b>	<b>252.0</b>	<b>1,511.2</b>	<b>-</b>

NOTE: Expenditures are Paid-to-Date through 7/31/12

**Original Budget and Current Budget:**

The Life of Project Budget for the Phase 2 Exposition Metro Line Project was adopted in March 2011 for a value of \$1.511 billion.

**Current Forecast:**

The total project forecast remains the same as the current budget of \$1.511 billion.



**Project Operating Budget Summary in Millions of Dollars**



**Expo**

Sources & Uses of Funds - Phase 2

Status as of August 31, 2012

**Metro / Expo Baseline Activities**

Sources of Funds (millions)	A	B	C = A - B	
Source	Budget	Funding Committed	Uncommitted	
Prop A 35%	\$ 238.0	\$ -	\$ 238.0	
Prop C 25%	\$ 115.3	\$ 2.6	\$ 112.7	
Measure R	\$ 813.7	\$ 377.7	\$ 436.0	
Prop 1B Bonds	\$ 48.9	\$ 15.2	\$ 33.7	
Regional Improvement Program (State)	\$ 47.8	\$ 47.8	\$ 0.0	
Local Agency Contribution	\$ 45.3	\$ 16.5	\$ 28.8	
	\$ 1,309.1	\$ 459.8	\$ 849.3	
<b>Total Sources:</b>	<b>\$ 1,309.1</b>	<b>\$ 459.8</b>	<b>\$ 849.3</b>	

Uses of Funds by Element (millions)	A	B	C	D = A - B
Element	Budget	Committed	Paid	Uncommitted
Design-Build Corridor	\$ 606.8	\$ 541.6	\$ 118.6	\$ 65.2
Other Construction Elements	\$ 159.5	\$ 13.6	\$ 1.4	\$ 145.9
Right-of-Way	\$ 265.0	\$ 81.8	\$ 81.5	\$ 183.2
Professional Services	\$ 148.2	\$ 87.2	\$ 47.8	\$ 61.0
Special Conditions	\$ 63.6	\$ 23.5	\$ 2.7	\$ 40.1
Project Reserve	\$ 66.0	\$ -	\$ -	\$ 66.0
<b>Total Uses:</b>	<b>\$ 1,309.1</b>	<b>\$ 747.8</b>	<b>\$ 252.0</b>	<b>\$ 561.3</b>

Paid-to-Date through 7/31/12



Project Operating Budget Summary in Millions of Dollars



**Expo**

Sources & Uses of Funds - Phase 2

Status as of August 31, 2012

**Metro / Expo Baseline Activities - Vehicles**

Sources of Funds (millions)	A	B	C = A - B	
Source	Budget	Funding Committed	Uncommitted	
RSTP (Federal) for LRVs	\$ 7.7	\$ -	\$ 7.7	
CMAQ (Federal) for LRVs	\$ 41.3	\$ -	\$ 41.3	
Reg. Imp. Prog. (Federal) for LRVs	\$ 153.1	\$ -	\$ 153.1	
	<u>\$ 202.1</u>	<u>\$ -</u>	<u>\$ 202.1</u>	
<b>Total Sources:</b>	<u>\$ 202.1</u>	<u>\$ -</u>	<u>\$ 202.1</u>	

Uses of Funds by Element (millions)	A	B	C	D = A - B
Element	Budget	Committed	Paid	Uncommitted
Vehicles	\$ 202.1	\$ -	\$ -	\$ 202.1
<b>Total Uses:</b>	<u>\$ 202.1</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 202.1</u>

Paid-to-Date through 7/31/12



**Project Operating Budget Summary in Millions of Dollars**



Sources & Uses of Funds - Phase 2  
 Status as of August 31, 2012

**Non - Baseline Activities**

Sources of Funds (millions)	A	B	C = A - B	
Source	Budget	Funding Committed	Uncommitted	
Project Revenue: City of LA Betterment	\$ 5.3	\$ 5.3	\$ -	
Project Revenue: City of Santa Monica Betterment Contribution	\$ 18.3	\$ 18.3	\$ -	
<b>Total Sources:</b>	<b>\$ 23.6</b>	<b>\$ 23.6</b>	<b>\$ -</b>	

Uses of Funds by Element (millions)	A	B	C	D = A - B
Element	Budget	Committed	Paid	Uncommitted
Design-Build Corridor	\$ -	\$ -	\$ -	\$ -
Sepulveda Blvd Bridge & Aerial Station (Diff.)	\$ 5.3	\$ 5.3	\$ -	\$ -
26th Street & 17th Street Station Betterments P.E.	\$ 0.4	\$ 0.4	\$ 0.4	\$ -
26th Street & 17th Street Station Betterments Construction	\$ 9.1	\$ 1.4	\$ 0.1	\$ 7.8
4th Street Terminus Station P.E.	\$ 0.5	\$ 0.4	\$ 0.4	\$ 0.1
4th Street Terminus Station Construction	\$ 8.4	\$ -	\$ -	\$ 8.4
<b>Total Uses:</b>	<b>\$ 23.6</b>	<b>\$ 7.4</b>	<b>\$ 0.9</b>	<b>\$ 16.2</b>

Paid-to-Date through 7/31/12





**Phase 2 Exposition Metro Line Construction Authority Contract Status**

**Expo Phase 2 Design-Build Contract Status**

<p><b>Expo Phase 2 Contractor: Skanska/Rados</b></p>	<p><b>Contract No.: XP8902-002</b></p> <p><b>Status as of: 31-Aug-12</b></p>																												
<p><b>Progress/Work Completed:</b> See Page 6</p> <p><b>Areas of Concern:</b> See Pages 4 and 5</p>	<p><b>Major Activities (In Progress):</b></p> <ul style="list-style-type: none"> <li>- Continue submittal of 85% , Advanced Partial Design and 100% design documents</li> <li>- Advanced engineering of City of Santa Monica funded betterments to the 4th, 17th and 26th Street Stations</li> <li>- Construction activities: utility and third party coordination; clearing and grubbing, guideway excavation, hazardous soil removal, structure excavation; installed sewer lines on Colardo and Pico, installed water lines on 19th, 26th and Stewart, encased sewer at Overland, installed bridge piles at Centinela and load tested.</li> </ul> <p><b>Major Activities Next Period:</b></p> <ul style="list-style-type: none"> <li>- Continue final design</li> <li>- Continue final design for City of Santa Monica Station Betterments</li> <li>- Continue construction activities: utility and third party coordination, clearing and grubbing, guideway excavation, hazardous soil removal, structure excavation; demolish vacated facilities; install water lines on Colardo and Pico; install bridge piles at Olympic and Sepulveda; install bridge pile cap at Centinela.</li> </ul>																												
		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs																							
	Substantial Completion	07/10/15	0	07/10/15	07/10/15	0																							
	Contract Completion	01/08/16	0	01/08/16	01/08/16	0																							
<p><b><u>Schedule Summary:</u></b></p> <p>Date of Award: 05/13/11</p> <p>Limited Notice to Proceed: 05/19/11</p> <p>Original Contract Duration: 1700</p> <p>Current Contract Duration: 1700</p> <p>Elapsed Time from NTP: 471</p>	<p><b><u>Cost Summary:</u></b></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th align="right" colspan="2"><b>\$ In 000's</b></th> </tr> <tr> <th></th> <th align="right"><b>Baseline Project</b></th> <th align="right"><b>Betterments/ Modifications</b></th> </tr> </thead> <tbody> <tr> <td>1. Award Value:</td> <td align="right">541,651.27</td> <td align="right">5,278.94</td> </tr> <tr> <td>2. Executed Modifications:</td> <td></td> <td align="right">14,575.54</td> </tr> <tr> <td>3. Approved Change Orders:</td> <td align="right">486.03</td> <td></td> </tr> <tr> <td>4. Current Contract Value (1 + 2 + 3):</td> <td align="right"><b>542,137.30</b></td> <td align="right"><b>19,854.47</b></td> </tr> <tr> <td>5. Pending Changes:</td> <td align="right">48.49</td> <td align="right">3,953.65</td> </tr> <tr> <td>6. Incurred Cost:</td> <td align="right">126,070.26</td> <td align="right">790.82</td> </tr> </tbody> </table>						<b>\$ In 000's</b>			<b>Baseline Project</b>	<b>Betterments/ Modifications</b>	1. Award Value:	541,651.27	5,278.94	2. Executed Modifications:		14,575.54	3. Approved Change Orders:	486.03		4. Current Contract Value (1 + 2 + 3):	<b>542,137.30</b>	<b>19,854.47</b>	5. Pending Changes:	48.49	3,953.65	6. Incurred Cost:	126,070.26	790.82
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**Expo Phase 2 VBU Design-Build Contract Status**

<p><b>Expo Phase 2</b> <b>Contractor: Balfour Beatty Infrastructure, Inc.</b></p>	<p><b>Contract No.: XP8901-828</b> <b>Status as of: 31-Aug-12</b></p>																																				
<p><b>Progress/Work Completed:</b> See Page 6</p> <p><b>Areas of Concern:</b> See Pages 4 and 5</p>	<p><b>Major Activities (In Progress):</b> - Received Caltrans written approval of 100% structural design and verbal approval of roadway design - Continued sewer construction - Continued utility and third party coordination</p> <p><b>Major Activities Next Period:</b> - Continue sewer relocation - Coordinate sewer, LADWP power relocation and communications joint trench work - Work with LADOT to resolve comments on traffic signaling and traffic control design</p>																																				
		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs																															
	Substantial Completion	07/12/13	0	07/12/13	07/12/13	0																															
<p><b><u>Schedule Summary:</u></b></p> <p>Date of Award: 08/04/11</p> <p>Limited Notice to Proceed: 09/01/11</p> <p>Original Contract Duration: 680</p> <p>Current Contract Duration: 680</p> <p>Elapsed Time from NTP: 366</p>	<p><b><u>Cost Summary:</u></b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th colspan="2" style="text-align: center;"><b>\$ In 000's</b></th> </tr> <tr> <th colspan="2"></th> <th style="text-align: center;"><b>Baseline Project</b></th> <th style="text-align: center;"><b>Betterments/ Modifications</b></th> </tr> </thead> <tbody> <tr> <td>1. Award Value:</td> <td></td> <td style="text-align: right;">15,675.00</td> <td></td> </tr> <tr> <td>2. Executed Modifications:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3. Approved Change Orders:</td> <td></td> <td style="text-align: right;">66.65</td> <td></td> </tr> <tr> <td>4. Current Contract Value (1 + 2 + 3):</td> <td></td> <td style="text-align: right;">15,741.65</td> <td style="text-align: right;">0.00</td> </tr> <tr> <td>5. Pending Changes:</td> <td></td> <td style="text-align: right;">0.00</td> <td></td> </tr> <tr> <td>6. Incurred Cost:</td> <td></td> <td style="text-align: right;">2,788.63</td> <td></td> </tr> </tbody> </table>							<b>\$ In 000's</b>				<b>Baseline Project</b>	<b>Betterments/ Modifications</b>	1. Award Value:		15,675.00		2. Executed Modifications:				3. Approved Change Orders:		66.65		4. Current Contract Value (1 + 2 + 3):		15,741.65	0.00	5. Pending Changes:		0.00		6. Incurred Cost:		2,788.63	
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