

# Phase 2 Exposition Metro Line Project

## Monthly Project Status Report

March 2014







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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**

#### **Utility Relocations**

The Authority worked closely with the Los Angeles Department of Water and Power (LADWP) and Southern California Edison (SCE) to advance the power and water relocations required to accommodate the Project. The Authority also worked with multiple communication providers and Southern California Gas Company (SCG) to advance the relocation of their facilities.

- LADWP crews continued to remove overhead power line conflicts with the proposed project aerial structures; multiple LADWP construction crews continued relocating the remaining overhead power lines underground. LADWP continued to finalize new power service designs for irrigation controllers, passenger stations, traffic signals, crossing gates, bike path lighting and street lights. LADWP began installation of new power services to energize future railroad crossing gates, traction power substations, and passenger stations.
- Telephone, electricity and water services were provided to the Sepulveda parking garage for the impending temporary certificate of occupancy for LADOT to store parking enforcement vehicles.
- Various communication providers continued relocating their remaining facilities in conflict with proposed project structures.
- Various agencies began scheduling and relocating gas meters, water meters, street light and traffic signal power service lines, communication boxes, and fire hydrants to support the imminent street widening work.
- On March 24, 2014, the contractor began removing the abandoned 26-inch diameter SCG pipeline in conflict with SCE's proposed transmission facilities along the east side of Sepulveda Boulevard. Removal of the abandoned SCG pipeline is planned to be complete by April 25, 2014.
- Staff continued working with SCE to complete the remaining new power service designs and begin their construction. Ongoing SCE work includes installing engineered steel poles and their foundations, ductbanks, vaults, electrical equipment, pulling new cable, and energizing the new underground distribution and transmission systems. The Authority and SCE continued discussions regarding cost sharing for SCE betterments.
- Staff is assisting the contractor in resolving utility conflicts encountered during installation of SCE's ductbank at Colorado/Lincoln in order to begin constructing track across the intersection on April 21, 2014.

SCE power line relocations on Colorado are on the Project schedule's critical path. The Authority, the City of Santa Monica, SCE, and the Design-Build contractor continue to collaborate through Partnering sessions, staff level working meetings, and executive management meetings to recover schedule on Colorado, such as: working with the City to optimize traffic control in order to increase working days and hours, adding crews, increasing SCE inspection staff availability, re-phasing installation of track across multiple at-grade crossings simultaneously, working longer shifts, scheduling multiple power outages simultaneously, and continuous active coordination with SCE and the contractor design-builder's construction activities.



### **City of Los Angeles**

In the City of Los Angeles, schedule near-critical activities include design approvals, relocation of utilities and removal of the temporary parking lot near Sepulveda structure/station which depend on receiving City approval for temporary occupancy of the new Sepulveda Garage which is imminent; and installation of underground and overhead facilities. Four of the five civil segments have been approved by the Los Angeles Bureau of Engineering. The Authority is collaborating with the City of Los Angeles to approve the final civil segment. The Authority and the City are exploring an option to accommodate bikepath reconfiguration requests at the intersection of Exposition and Centinela.

### **City of Santa Monica**

In the City of Santa Monica, the schedule critical path includes SCE relocations on Colorado and continues with the installation of trackwork followed by the installation and testing of the overhead catenary and train control systems. SRJV is working on a schedule for track work road crossings. The Colorado and Lincoln rail crossing installation is scheduled for April 21, 2014. The Authority is collaborating with the City of Santa Monica to resolve issues including lighting betterments, terminus station betterments, street running operations, temporary street closures for construction, and bikeway-related details.

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

The VBU Design-Build contractor completed all major work associated with the bridge and is currently working on punch list items. A Substantial Completion request for the bridge work has been received and is being evaluated.

The Venice Boulevard roadway widening work and station Plaza were eliminated from the VBU contract and will be completed as an independent construction package. The Authority is securing third party approvals for the revised roadway plans (limits of the widening at National/Venice intersection and modifications at the Venice/Robertson intersection). The Expo Phase 2 contractor (SRJV) was issued a LNTP to begin work on schedule critical roadway work beginning with Venice Blvd median. Construction of the roadway work will only be allowed during the day unless and until a nighttime variance is granted by LAPD.

### **Operations and Maintenance Facility (OMF)**

The Authority and Contractor negotiated costs for outstanding contract changes and are currently evaluating schedule impact responsibility. The Authority and Designer are coordinating primary power service with SCE.

### **Bikeway**

Bikeway design is at 100% level with final comments and revisions underway. The Exposition/Centinela intersection betterment costs are being evaluated for implementation. Construction is anticipated to start in late April. Completing the work within the current budget is a concern given the potential scope growth; however, staff are monitoring the budget and will continue to do so.



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

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

- SRJV advanced remaining design elements. Staff worked with SRJV to resolve open issues.
- SRJV continued construction activities:
  - performed excavation and grading to support guideway construction activities;
  - installed track crossings at Colorado/5<sup>th</sup> and Colorado/17<sup>th</sup>;
  - installed wet utilities and installed dry utility duct banks/vaults on behalf of SCE (Bundy, Colorado);
  - installed CS duct banks/manholes;
  - installed guideway ballast curb;
  - advanced TPSS site work (TPSS1, TPSS2, TPSS3, TPSS4, TPSS6);
  - advanced retaining walls (National to Clarington, Putney to Overland), soundwalls (I-10 to Overland), and MSE walls (Pico West, Bundy East, Bundy to Centinela, Centinela to Stewart, Olympic to 20th);
  - advanced bridges (Palms, Motor, Sepulveda, Pico, Bundy, Centinela, Olympic);
  - advanced stations (Westwood/Rancho Park, 26<sup>th</sup> St/Bergamot);
  - widened roadway (Colorado 14<sup>th</sup> – 17<sup>th</sup>);
  - Sepulveda Parking structure: Install electrical facilities, elevator and landscaping.
- SRJV advanced construction submittals and requests for information; Authority staff reviewed.
- SCE, DWP, and communications providers continued to relocate facilities.

#### **Venice Boulevard Underpass Design-Build contractor**

- Balfour Beatty Infrastructure, Inc. (BBII) completed all major work associated with the bridge and worked on punch list items
- Culver City Station Plaza design is currently being evaluated for potential modifications that are related to a future development adjacent to the station as requested by Culver City and Metro.
- The Expo Phase 2 contractor (SRJV) was issued a LNTP to begin work on schedule critical roadway work beginning with Venice Blvd. median pending revisions of the design and third party approval.

#### **Operations and Maintenance Facility, Kiewit Building Group (KBG)**

- Track turnout fabrication continues.
- Coordinated with SCE for Primary Feed
- Continued site traction power, electrical, and communications ductbanks.
- Placed concrete for Secondary Building Blowdown Pit walls, perimeter wall curbs, and caissons for vehicle lifts.
- Finished Main Building spread footings and electrical distribution.
- Continued installation of Main Building underslab plumbing
- 35 loads of structural steel for Main Building delivered

#### **Bikeway**

- SRJV advanced final Bikeway design.
- Final design is in progress –100% plans were submitted to the City of Los Angeles in April and City of Santa Monica in March 2014.
- Right of Way / Lease modifications





## **Key Future Activities**

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

- SRJV advance remaining design elements. Metro, Authority, and third party staff will continue to work with SRJV to resolve comments and open issues.
- SRJV will continue the following construction activities:
  - perform excavation and grading to support guideway construction activities;
  - install track floating slab east of Stewart;
  - install wet utilities and dry utility duct banks/vaults on behalf of SCE;
  - install CS duct banks/manholes;
  - install guideway ballast curb and subballast;
  - install track underdrain;
  - advance TPSS site work;
  - advance retaining walls, soundwalls, and MSE walls;
  - advance bridges;
  - advance stations;
  - widen roadway;
  - weld rail;
  - advance the Sepulveda Parking structure.
- SCE, DWP, and communications providers continue to relocate facilities.

### **Venice Boulevard Underpass**

- Processing roadway and Culver City Plaza design revision and obtain third party approval.
- Expo Phase 2 Contractor (SRJV) begins work on the Venice Blvd median reconstruction east of Robertson.

### **Operations and Maintenance Facility contractor, Kiewit Building Group**

- Commence planning for decking, cistern and gravity utilities
- Commence structural steel erection
- Commence metal decking shake out

### **Bikeway**

- SRJV advance final Bikeway design and obtain third party review.
- Right of Way activities
- Negotiate Metro/City license agreements
- Commence construction

### **General**

- Continue coordination with the Cities of Los Angeles and Santa Monica, Metro, and Caltrans.
- Continue coordination with Department of Toxic Substances Control (DTSC) to advance soil management plan.
- Facilitate Partnering derivative sessions regarding systems implementation.
- Facilitate Fire Life Safety Committee meetings/workshops.
- Facilitate Phase 2 Update meetings with the community.
- Continue FEIR mitigation measures.



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

**Critical Path Schedule, Period Ending March 31, 2014**

Expo LRT Phase 2 - March 2014		EXPO2-Monthly Report-FTA CODES			11-Apr-14 12:21							
Activity Name	Orig Dur.	Start	Finish	2014			2015			2016		
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Expo LRT Phase 2 - March 2014</b>	1210	04-Aug-11 A	22-May-16									
<b>Milestones and Key Dates</b>	1113	01-Sep-11 A	06-Jan-16									
<b>Overall</b>	1576	01-Sep-11 A	24-Dec-15									
Expo2 Duration to ROD (1520 + 167)	1520	01-Sep-11 A	10-Jul-15									
Schedule Contingency	167	11-Jul-15	24-Dec-15									
<b>Design/Build Contract SRJV</b>	229	23-May-15	06-Jan-16									
Design-Build Contract- 2011 Rain Allowance	0	23-May-15	23-May-15									
Design-Build Contract- 2012 Rain Allowance	0	23-May-15	23-May-15									
Design-Build Contract- 2013 Rain Allowance	0	23-May-15	23-May-15									
Design-Build Contract - 2014 Rain Allowance	28	23-May-15	19-Jun-15									
Design-Build Contract- 2015 Rain Allowance	20	20-Jun-15	09-Jul-15									
Design-Build Contract- Substantial Completion [Day Zero + 1520]	0		10-Jul-15*									
Design-Build Contract - Punchlist Completion (Substantial Completion + 90)	0		08-Oct-15									
Design-Build Contract - Final Acceptance (Punchlist Completion + 90)	0		06-Jan-16*									
<b>Venice Boulevard Bridge (BBJ)</b>	0	28-Mar-14 A	28-Mar-14 A									
VBU - Design-Build Contract Substantial Completion	0		28-Mar-14 A									
<b>Maintenance Facility Contract</b>	0	29-Jun-15	29-Jun-15									
Maintenance Facility - Final Acceptance	0		29-Jun-15*									
<b>Bike Path</b>	0	10-Jul-15	10-Jul-15									
Bike Path - Substantial Completion	0		10-Jul-15									
<b>Owner Furnished Equipment</b>	407	19-Aug-13 A	31-Mar-15									
<b>TPSS</b>	99	10-Apr-14	29-Aug-14									
Traction Power Substation # 1 (Clarington)	0		10-Apr-14*									
Traction Power Substation # 2 (Overland)	0		23-Apr-14*									
Traction Power Substation # 3 (Sepulveda)	0		07-May-14*									
Traction Power Substation # 4 (Barrington)	0		18-Jun-14*									
Traction Power Substation # 6 (Cloverfield)	0		30-Jul-14*									
Traction Power Substation # 5 (Yard)	0		06-Aug-14*									
Traction Power Substation # 8 (5th)	0		11-Aug-14*									
Traction Power Substation # 7 (17th)	0		29-Aug-14*									
<b>Artwork</b>	407	19-Aug-13 A	31-Mar-15									
Owner Furnished Items - artwork	407	19-Aug-13 A	31-Mar-15									
<b>Design/Build Construction</b>	5	04-Aug-11 A	25-Apr-14									
<b>Final Design</b>	5	04-Aug-11 A	25-Apr-14									
<b>SRJV</b>	5	04-Aug-11 A	25-Apr-14									
Wet Utilities Design Packages	5	04-Aug-11 A	09-Apr-14									
Roadway Design Packages	5	04-Aug-11 A	09-Apr-14									
Traffic Signal Design Packages	5	08-Aug-11 A	25-Apr-14									
<b>Construction</b>	793	01-Dec-11 A	29-Jun-15									
<b>Sitework and Special Conditions</b>	689	01-Dec-11 A	02-Feb-15									
<b>SRJV</b>	689	01-Dec-11 A	02-Feb-15									
SEGMENT 1 - SITEWORK AND SPECIAL CONDITIONS-INITIAL SITEWORK	242	01-Dec-11 A	10-Jul-14									
SEGMENT 2 - SITEWORK AND SPECIAL CONDITIONS-INITIAL SITEWORK	383	05-Mar-12 A	20-Aug-14									
SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORADO 9TH TC	322	29-Mar-12 A	30-Apr-14									
SEGMENT 3 - CENTINELA TO 17TH - SITEWORK AND SPECIAL CONDITIONS-INITIAL SI	388	08-Jun-12 A	16-Jun-14									
SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORADO 4TH TC	494	21-Jun-12 A	02-Sep-14									
SEGMENT 3 - CENTINELA TO 17TH - SITEWORK AND SPECIAL CONDITIONS-STREET I	134	31-Mar-14	07-Oct-14									
SEGMENT 1 - SITEWORK AND SPECIAL CONDITIONS-STREET IMPROVEMENTS	174	31-Mar-14	03-Dec-14									
SEGMENT 2 - SITEWORK AND SPECIAL CONDITIONS-STREET IMPROVEMENTS	215	31-Mar-14	02-Feb-15									
SEGMENT 3 - SITEWORK AND SPECIAL CONDITIONS-STREET IMPROVEMENTS COLO	60	28-Sep-14	19-Dec-14									
<b>VBU</b>	85	31-Mar-14	30-Jun-14									
VBU - PLAZA CONSTRUCTION	55	31-Mar-14	16-Jun-14									
VBU - ROADWAY CONSTRUCTION	85	31-Mar-14*	30-Jun-14									
<b>Guideway and Track Elements</b>	475	02-Aug-12 A	25-Sep-14									
<b>SRJV</b>	475	02-Aug-12 A	25-Sep-14									
SEGMENT 2 - GUIDEWAYS AND TRACKS	442	02-Aug-12 A	04-Sep-14									
SEGMENT 1 - GUIDEWAYS AND TRACKS	379	04-Sep-12 A	09-May-14									

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

**EXPO 2 CONTROL SCHEDULE**  
March 2014

D..	Revision	C..	A..

**EXPOSITION METRO LINE  
CONSTRUCTION AUTHORITY**  
Monthly Phase 2 Project Status Report  
Period Ending – March 31, 2014



**Critical Path Schedule Continued**

Expo LRT Phase 2 - March 2014		EXPO2-Monthly Report-FTA CODES			11-Apr-14 12:21															
Activity Name	Orig. Dur.	Start	Finish	2014			2015				2016									
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2								
SEGMENT 3 - SEGMENT 3 - CENTINELA TO 17TH - GUIDEWAYS AND TRACKS	345	08-Sep-12 A	25-Jun-14																	
SEGMENT 3 - COLORADO GUIDEWAYS AND TRACKS	215	13-Aug-13 A	25-Sep-14																	
<b>Stations</b>	<b>710</b>	<b>08-Feb-12 A</b>	<b>08-May-15</b>																	
SEGMENT 2 - STATIONS AND PARKING	634	08-Feb-12 A	08-Jan-15																	
SEGMENT 1 - STATIONS	207	21-Jan-13 A	10-Nov-14																	
SEGMENT 3 - COLORADO TERMINUS STATION	481	19-Mar-13 A	08-May-15																	
SEGMENT 3 - SEGMENT 3 - CENTINELA TO 17TH - STATIONS	335	10-Apr-13 A	25-Feb-15																	
<b>Support Facilities and Yards</b>	<b>515</b>	<b>04-Jun-13 A</b>	<b>29-Jun-15</b>																	
<b>Rail Operation and Maintenance Facility (OMF)</b>	<b>515</b>	<b>04-Jun-13 A</b>	<b>29-Jun-15</b>																	
Maintenance Facility - Construction	377	04-Jun-13 A	01-Apr-15																	
Maintenance Facility - Commissioning Move In	82	02-Apr-15	29-Jun-15																	
<b>Systems</b>	<b>233</b>	<b>12-May-14</b>	<b>09-Apr-15</b>																	
SEGMENT 1 - SYSTEMS AND EQUIPMENT	184	12-May-14	30-Jan-15																	
SEGMENT 3 - SEGMENT 3 - CENTINELA TO 17TH - SYSTEMS AND EQUIPMENT	193	16-Jun-14	18-Mar-15																	
SEGMENT 2 - SYSTEMS AND EQUIPMENT	155	26-Jun-14	04-Feb-15																	
SEGMENT 3 - COLORADO SYSTEMS AND EQUIPMENT	173	06-Aug-14	09-Apr-15																	
<b>Testing</b>	<b>214</b>	<b>23-Jul-14</b>	<b>22-May-15</b>																	
TRAIN CONTROL LOCAL FIELD ACCEPTANCE TESTING	196	23-Jul-14	28-Apr-15																	
TRAIN CONTROL INTEGRATED SYSTEM TESTING	177	15-Sep-14	22-May-15																	
COMMUNICATIONS L LOCAL FIELD ACCEPTANCE TESTING	140	15-Oct-14	01-May-15																	
OCS SYTEM INTEGRATED TESTING	82	02-Dec-14	27-Feb-15																	
COMMUNICATIONS SYSTEM INTEGRATION TESTING	15	04-May-15	22-May-15																	
<b>Bike Path</b>	<b>429</b>	<b>30-Sep-13 A</b>	<b>10-Jul-15</b>																	
BIKE PATH - FINAL DESIGN	150	30-Sep-13 A	30-Apr-14																	
BIKE PATH - CONSTRUCTION	304	01-May-14	10-Jul-15																	
<b>Start-Up</b>	<b>105</b>	<b>25-Dec-15</b>	<b>22-May-16</b>																	
Rail Activation	102	25-Dec-15	22-May-16																	
<b>Stress Testing</b>	<b>60</b>	<b>25-Dec-15</b>	<b>22-Feb-16</b>																	
System Integration Testing (60)	60	25-Dec-15	22-Feb-16																	
<b>Pre-Revenue Operations</b>	<b>90</b>	<b>23-Feb-16</b>	<b>22-May-16</b>																	
Pre-Revenue Operations (90)	90	23-Feb-16	22-May-16																	
Revenue Service Date (ROD)	0	22-May-16*																		

Remaining Level of ...  
 Actual Level of Effort

**EXPO 2 CONTROL SCHEDULE**  
**March 2014**

D..	Revision	C..	A..



**Schedule Narrative**

**Critical and Near-Critical Path Analysis**

Currently, the Critical Path runs through the power relocations and street improvements on Colorado in the City of Santa Monica and the Terminus Station. The Critical Path continues with the installation of Trackwork followed by the installation and testing of the Overhead Catenary and Train Control Systems. In the City of LA, the Pico bridge is near-critical.

With the current recovery plan and work-around options, the power relocation at most locations does not impact the construction of the substructure and in many cases the superstructure of the bridges. Therefore, the critical need dates for power relocations were improved and potential delays were minimized. At the Terminus, the potential delay is being eliminated by redesigning the retaining wall design to bridge over existing underground facilities.

**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. At the January 9, 2014 Board Meeting half of the contingency was released. If all the revised Schedule Contingency were needed, the projected Revenue Operation Date would be May 22, 2016.

	Original Duration (days)	Days Released	Current Duration (days)
Schedule Contingency	334	167	167



**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	766.3	759.8	666.4	348.6	759.8	-
R	RIGHT-OF-WAY	265.0	257.6	96.9	95.2	257.6	-
V	VEHICLES	202.1	202.1	202.1	73.4	202.1	-
P	PROFESSIONAL SERVICES	148.2	149.7	101.3	79.8	149.7	-
SC	SPECIAL CONDITIONS	63.6	81.9	58.2	44.1	81.9	-
PR	PROJECT RESERVE	66.0	60.1	-	-	60.1	-
<b>TOTAL</b>		<b>1,511.2</b>	<b>1,511.2</b>	<b>1,125.0</b>	<b>641.1</b>	<b>1,511.2</b>	<b>-</b>

NOTE: Expenditures are Paid-to-Date through 2/29/14

**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 at completion 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 March 31, 2014

**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	\$ 785.4	\$ 631.3	\$ 154.1	
Prop 1B Bonds - PTMISEA	\$ 48.9	\$ 48.4	\$ 0.5	
Prop 1B Bonds - SLPP	\$ 28.3	\$ 28.4	\$ -	
Regional Improvement Program (State)	\$ 47.8	\$ 29.0	\$ 18.8	
Local Agency Contribution	\$ 45.3	\$ 45.3	\$ 0.0	
	<u>\$ 1,309.1</u>	<u>\$ 785.0</u>	<u>\$ 524.2</u>	
<b>Total Sources:</b>	<u>\$ 1,309.1</u>	<u>\$ 785.0</u>	<u>\$ 524.2</u>	

Uses of Funds by Element (millions)	A	B	C	D = A - B
Element	Budget	Committed	Paid	Uncommitted
Design-Build Corridor	\$ 594.5	\$ 550.5	\$ 323.8	\$ 44.1
Other Construction Elements	\$ 165.4	\$ 116.0	\$ 24.8	\$ 49.4
Right-of-Way	\$ 257.6	\$ 96.9	\$ 95.2	\$ 160.7
Professional Services	\$ 149.7	\$ 101.3	\$ 79.8	\$ 48.4
Special Conditions	\$ 81.9	\$ 58.2	\$ 44.1	\$ 23.6
Project Reserve	\$ 60.1	\$ -	\$ -	\$ 60.1
	<u>\$ 1,309.1</u>	<u>\$ 922.9</u>	<u>\$ 567.7</u>	<u>\$ 386.2</u>
<b>Total Uses:</b>	<u>\$ 1,309.1</u>	<u>\$ 922.9</u>	<u>\$ 567.7</u>	<u>\$ 386.2</u>

Paid-to-Date through 2/29/14



Project Operating Budget Summary in Millions of Dollars



**Expo**

Sources & Uses of Funds - Phase 2

Status as of March 31, 2014

**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>\$ 202.1</u>	<u>\$ -</u>	
<b>Total Sources:</b>	<u>\$ 202.1</u>	<u>\$ 202.1</u>	<u>\$ -</u>	

Uses of Funds by Element (millions)	A	B	C	D = A - B
Element	Budget	Committed	Paid	Uncommitted
Vehicles	\$ 202.1	\$ 202.1	\$ 73.4	\$ -
<b>Total Uses:</b>	<u>\$ 202.1</u>	<u>\$ 202.1</u>	<u>\$ 73.4</u>	<u>\$ -</u>

Paid-to-Date through 2/29/14



Project Operating Budget Summary in Millions of Dollars



Expo

Sources & Uses of Funds - Phase 2

Status as of March 31, 2014

**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	\$ 20.1	\$ 20.1	\$ -
<b>Total Sources:</b>	<b>\$ 25.4</b>	<b>\$ 25.4</b>	<b>\$ -</b>

Uses of Funds by Element (millions)

	A	B	C	D = A - B
Element	Budget	Committed	Paid	Uncommitted
Design-Build Betterments	\$ -	\$ -	\$ -	\$ -
Sepulveda Blvd Bridge & Aerial Station (Diff.)	\$ 5.3	\$ 5.3	\$ 2.8	\$ -
City of Santa Monica Water System Betterments	\$ 1.5	\$ 1.4	\$ 1.4	\$ 0.1
City of Santa Monica Storm Drain Laterals	\$ 0.3	\$ 0.3	\$ -	\$ -
26th Street & 17th Street Station Betterments P.E.	\$ 0.4	\$ 0.4	\$ 0.4	\$ -
26th Street & 17th Street Station Betterments Construction	\$ 9.1	\$ 6.8	\$ 5.3	\$ 2.3
4th Street Terminus Station P.E.	\$ 0.5	\$ 0.4	\$ 0.4	\$ 0.1
4th Street Terminus Station Construction	\$ 8.4	\$ 5.6	\$ 1.3	\$ 2.8
<b>Total Uses:</b>	<b>\$ 25.4</b>	<b>\$ 20.1</b>	<b>\$ 11.6</b>	<b>\$ 5.3</b>

Paid-to-Date through 2/29/14





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

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

<b>Expo Phase 2</b> <b>Contractor: Skanska/Rados</b>	<b>Contract No.: XP8902-002</b>  <b>Status as of: 31-Mar-14</b>																												
<b>Progress/Work Completed:</b> See Page 6  <b>Areas of Concern:</b> See Pages 4 and 5	<b>Major Activities (In Progress):</b> See Page 6 and 7  <b>Major Activities Next Period:</b> See Page 6 and 7																												
		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																							
<b><u>Schedule Summary:</u></b>  Date of Award: 05/13/11 Limited Notice to Proceed: 05/19/11 Original Contract Duration: 1700 Current Contract Duration: 1700 Elapsed Time from NTP: 1,048	<b><u>Cost Summary:</u></b>  <table border="1"> <thead> <tr> <th></th> <th colspan="2" style="text-align: center;"><b>\$ In 000's</b></th> </tr> <tr> <th></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 style="text-align: right;">541,651.27</td> <td style="text-align: right;">5,278.94</td> </tr> <tr> <td>2. Executed Modifications:</td> <td></td> <td style="text-align: right;">39,174.68</td> </tr> <tr> <td>3. Approved Change Orders:</td> <td style="text-align: right;">3190.04</td> <td></td> </tr> <tr> <td>4. Current Contract Value (1 + 2 + 3):</td> <td style="text-align: right;"><b>544,841.30</b></td> <td style="text-align: right;"><b>44,453.61</b></td> </tr> <tr> <td>5. Pending Changes:</td> <td style="text-align: right;">3.69</td> <td style="text-align: right;">736.86</td> </tr> <tr> <td>6. Incurred Cost:</td> <td style="text-align: right;">333,920.52</td> <td style="text-align: right;">30,397.81</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:		39,174.68	3. Approved Change Orders:	3190.04		4. Current Contract Value (1 + 2 + 3):	<b>544,841.30</b>	<b>44,453.61</b>	5. Pending Changes:	3.69	736.86	6. Incurred Cost:	333,920.52	30,397.81
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6. Incurred Cost:	333,920.52	30,397.81																											



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

<b>Expo Phase 2</b> <b>Contractor: Balfour Beatty Infrastructure, Inc.</b>	<b>Contract No.: XP8901-828</b>  <b>Status as of: 31-Mar-14</b>																																				
<b>Progress/Work Completed:</b> See Page 6  <b>Areas of Concern:</b> See Pages 4 and 5	<b>Major Activities (In Progress):</b> See Page 6 and 7  <b>Major Activities Next Period:</b> See Page 6 and 7																																				
		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs																															
	Substantial Completion	07/12/13	116	11/05/13	11/05/13	0																															
<b>Schedule Summary:</b>  Date of Award: 08/04/11 Limited Notice to Proceed: 09/01/11 Original Contract Duration: 680 Current Contract Duration: 796 Elapsed Time from NTP: 943	<b>Cost Summary:</b>  <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;">Baseline Project</th> <th style="text-align: center;">Betterments/ Modifications</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 style="text-align: right;">1,551.90</td> </tr> <tr> <td>3. Approved Change Orders:</td> <td></td> <td style="text-align: right;">598.92</td> <td style="text-align: center;">-</td> </tr> <tr> <td>4. Current Contract Value (1 + 2 + 3):</td> <td></td> <td style="text-align: right;">16,273.92</td> <td style="text-align: right;">1,551.90</td> </tr> <tr> <td>5. Pending Changes:</td> <td></td> <td style="text-align: right;">8.13</td> <td></td> </tr> <tr> <td>6. Incurred Cost:</td> <td></td> <td style="text-align: right;">13,815.74</td> <td style="text-align: right;">1,551.90</td> </tr> </tbody> </table>							<b>\$ In 000's</b>				Baseline Project	Betterments/ Modifications	1. Award Value:		15,675.00		2. Executed Modifications:			1,551.90	3. Approved Change Orders:		598.92	-	4. Current Contract Value (1 + 2 + 3):		16,273.92	1,551.90	5. Pending Changes:		8.13		6. Incurred Cost:		13,815.74	1,551.90
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6. Incurred Cost:		13,815.74	1,551.90																																		



**Expo Phase 2 OMF Contract Status**

<b>Expo Phase 2 Contractor: Kiewit Building Group O&amp;M Facility</b>	<b>Contract No.: XP8902-016</b>  <b>Status as of: 31-Mar-14</b>																																				
<b>Progress/Work Completed:</b> See Page 6  <b>Areas of Concern:</b> See Pages 4 and 5	<b>Major Activities (In Progress):</b> See Page 6 and 7  <b>Major Activities Next Period:</b> See Page 6 and 7																																				
		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs																															
	Substantial Completion	11/24/14	0	11/24/14	11/24/14	0																															
<b>Schedule Summary:</b>  Date of Award: 05/03/13 Limited Notice to Proceed: 06/03/13 Original Contract Duration: 540 Current Contract Duration: 540 Elapsed Time from NTP: 302	<b>Cost Summary:</b>  <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;">Baseline Project</th> <th style="text-align: center;">Betterments/ Modifications</th> </tr> </thead> <tbody> <tr> <td>1. Award Value:</td> <td></td> <td style="text-align: right;">99,930.56</td> <td></td> </tr> <tr> <td>2. Executed Modifications:</td> <td></td> <td></td> <td style="text-align: right;">(606.40)</td> </tr> <tr> <td>3. Approved Change Orders:</td> <td></td> <td style="text-align: right;">13.07</td> <td style="text-align: center;">-</td> </tr> <tr> <td>4. Current Contract Value (1 + 2 + 3):</td> <td></td> <td style="text-align: right;">99,943.63</td> <td style="text-align: right;">(606.40)</td> </tr> <tr> <td>5. Pending Changes:</td> <td></td> <td style="text-align: right;">170.76</td> <td style="text-align: right;">(324.63)</td> </tr> <tr> <td>6. Incurred Cost:</td> <td></td> <td style="text-align: right;">16,145.53</td> <td style="text-align: right;">(120.47)</td> </tr> </tbody> </table>							<b>\$ In 000's</b>				Baseline Project	Betterments/ Modifications	1. Award Value:		99,930.56		2. Executed Modifications:			(606.40)	3. Approved Change Orders:		13.07	-	4. Current Contract Value (1 + 2 + 3):		99,943.63	(606.40)	5. Pending Changes:		170.76	(324.63)	6. Incurred Cost:		16,145.53	(120.47)
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6. Incurred Cost:		16,145.53	(120.47)																																		



**Expo Phase 2 Bikeway Contract Status**

<p><b>Expo Phase 2 Contractor: Skanska/Rados Bikeway Project</b></p>	<p><b>Contract No.: XP8903-01</b> <b>Status as of: 31-Mar-14</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> See Page 6 and 7</p> <p><b>Major Activities Next Period:</b> See Page 6 and 7</p>																																				
		<p>Original Contract Dates</p>	<p>Time Extension</p>	<p>Current Contract</p>	<p>Forecast</p>	<p>Variance CDs</p>																															
<p>Substantial Completion</p>	<p>07/10/15</p>	<p>0</p>	<p>07/10/15</p>	<p>07/10/15</p>	<p>0</p>																																
<p><b><u>Schedule Summary:</u></b></p> <p>Date of Award: 01/27/12</p> <p>Limited Notice to Proceed: 08/28/13</p> <p>Original Contract Duration: 681</p> <p>Current Contract Duration: 681</p> <p>Elapsed Time from NTP: 216</p>	<p><b><u>Cost Summary:</u></b></p> <table border="1"> <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;">Baseline Project</th> <th style="text-align: center;">Betterments/ Modifications</th> </tr> </thead> <tbody> <tr> <td>1. Award Value:</td> <td></td> <td style="text-align: right;">11,041.06</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;">56.68</td> <td style="text-align: center;">-</td> </tr> <tr> <td>4. Current Contract Value (1 + 2 + 3):</td> <td></td> <td style="text-align: right;">11,097.74</td> <td style="text-align: center;">-</td> </tr> <tr> <td>5. Pending Changes:</td> <td></td> <td style="text-align: center;">-</td> <td></td> </tr> <tr> <td>6. Incurred Cost:</td> <td></td> <td style="text-align: right;">2,283.75</td> <td style="text-align: center;">-</td> </tr> </tbody> </table>							<b>\$ In 000's</b>				Baseline Project	Betterments/ Modifications	1. Award Value:		11,041.06		2. Executed Modifications:				3. Approved Change Orders:		56.68	-	4. Current Contract Value (1 + 2 + 3):		11,097.74	-	5. Pending Changes:		-		6. Incurred Cost:		2,283.75	-
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