

Phase 2 Exposition Metro Line Project

Monthly Project Status Report

February through April 2012





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PHASE 2 EXPO LINE PROJECT STATUS

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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 17th Street. The alignment follows the center of Colorado Avenue to the proposed terminus in downtown Santa Monica in the vicinity of the intersection of 4th 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 in April 2011. The Court of Appeal affirmed the judgment of the Superior Court. It is expected that NFSR will appeal to the State Supreme Court.

Los Angeles Department of Water and Power (LADWP) and Southern California Edison (SCE) Overhead Power Relocations

The Authority worked closely with both LADWP and SCE to identify overhead power line relocations required to accommodate the Project. Staff and the Phase 2 Design-Build contractor held Partnering sessions with SCE and with LADWP. Several of these relocations are on the critical path of the Project. The Authority is coordinating with LADWP and SCE at the staff and executive management levels to identify ways to mitigate schedule delays, such as having the design-build contractor provide assistance with drafting and base mapping investigations, pothole to identify underground conflicts, construct ductbanks and vault for the utilities and early procurement of long lead time items. Current projections show a potential schedule risk of about four months.

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 LACFCD in February 2012. The LACFCD reviewed the analysis and provided comments which are currently under discussion for resolution. 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. The VBU Design-Build contractor coordinated with Caltrans, the City of Los Angeles, utilities, and Metro Real Estate to advance 95% design documents, advance Project Study Report/ Project Report (PSR/PR) for approval and advance permit application for utility relocation. The Authority coordinated with Caltrans staff and executive management to expedite approval of the PSR/PR which occurred in February 2012. Because this work is critical to the Phase 2 design-build contract work, first order elements of work will be advanced to the final design level to facilitate early work starts. These first order elements include relocation of a sewer line and the installation of LADWP and communications duct banks.

I-405 Layover Area

The Metro contract for the I-405 HOV project included a provision for a laydown area in the Exposition LRT right-of-way. In addition, both the Authority's and Metro's contractors have work in the same location. They are coordinating their activities in an effort to minimize any impacts to either Projects' schedules.



Key Activities Completed this Period

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

- SRJV submitted 60%/early utility/85% 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 4th, 17th, and 26th Street Stations. SRJV continued to advance resolution of comments on the Kenter Canyon storm drain structural analysis.
- SRJV continued pre-construction activities – continued utility and third party coordination; staged K-Rail; installed survey control stakes; performed clearing and grubbing within Metro right-of-way; began constructing the LADOT temporary parking lot; installed sanitary sewer between 14th and 17th streets; exposed/inspected sanitary sewer at multiple crossings and encased where required by the City of Los Angeles. LADWP-WS and PCEC continued to relocate facilities. City of Santa Monica continued to relocate trees from the Metro right-of-way.

Venice Boulevard Underpass contractor, Balfour Beatty (BBII)

- Metro-Authority-third party staff advanced reviews of BBII 100% design documents.
- BBII continued pre-construction activities – continued utility and third party coordination; continued discussions with Caltrans to advance a waste management plan and encroachment permit required for sewer relocation work; coordinated traffic control plan requirements.

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

- MDG advanced 60% design documents; presented the current OMF design to the Santa Monica Architectural Review Board.

Phase 2 Bikeway

- SRJV advanced Preliminary Engineering design.
- Bicycle Advisory Committee toured the alignment on April 22nd.

General

- SRJV and BBII continued to coordinate contract interface activities. SRJV and MDG continued to coordinate contract interface activities.
- Continued coordination with the Cities of Los Angeles and Santa Monica, Metro, and Caltrans.
- Continued coordination with SCE and LADWP-PS on resolution of overhead power line conflicts.
- 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.
- Held Fire Life Safety Committee meetings (main line, OMF) on April 12th.
- Held community meetings and met with affected project stakeholders.
- Continued FEIR mitigation measures. Advanced Cultural Resources Treatment Plan; Paleontological Resources Management Plan; Santa Monica Air Line data recovery plan.



Key Future Activities

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

- SRJV will submit 85% design documents and Metro-Authority-third party staff will advance reviews. SRJV will prepare documents to support right of way efforts. SRJV will advance engineering of City of Santa Monica funded betterments to the 4th, 17th, and 26th Street Stations. SRJV will resolve comments on the Kenter Canyon storm drain structural analysis.
- SRJV will continue pre-construction activities – continue utility and third party coordination; construct the LADOT temporary parking lot fencing and lighting; perform clearing and grubbing within Metro right-of-way; remove select COLA and CSM trees; initiate removal of contaminated soil; install sanitary sewer between 14th and 17th streets. LADWP-WS and PCEC will continue to relocate facilities. City of Santa Monica will continued to relocate trees from the Metro right-of-way.

Venice Boulevard Underpass contractor, Balfour Beatty (BBII)

- BBII will advance resolution of 100% design review comments.
- BBII will continue pre-construction activities – continue utility and third party coordination; continue discussions with Caltrans to advance an encroachment permit application to begin sewer relocation work; coordinate traffic control plan requirements.

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

- MDG will advance 60% design documents.

Phase 2 Bikeway

- SRJV will advance Preliminary Engineering design.
- Hold Bicycle Advisory Committee.

General

- SRJV and BBII will continue to coordinate contract interface activities. SRJV and MDG will continue to coordinate contract interface activities.
- Continue coordination with the Cities of Los Angeles and Santa Monica, Metro, and Caltrans.
- Continue coordination with SCE and LADWP-PS on resolution of overhead power line conflicts. Hold Partnering session.
- Continue coordination with third party utilities to resolve conflicts.
- Hold Fire Life Safety Committee meeting.
- Hold Urban Design Committee meeting.
- Hold community meetings and meet with affected project stakeholders.
- Continue FEIR mitigation measures. Complete Cultural Resources Treatment Plan; Paleontological Resources Management Plan; Santa Monica Air Line data recovery plan.

**EXPOSITION METRO LINE
CONSTRUCTION AUTHORITY**
Monthly Phase 2 Project Status Report
Period Ending – April 30, 2012



Phase 2 Exposition Metro Line Construction Authority Schedule Status

Critical Path Schedule, Period Ending April 30, 2012

| Activity Name | Orig. Dur. | Start | Finish | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | |
|---|------------|-------------|------------|------|---|------|---|------|---|------|---|------|---|
| | | | | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q |
| Expo LRT Phase 2 - APRIL 2012 | 1330 | 14-Mar-11 A | 05-Nov-16 | | | | | | | | | | |
| STAGE B | 1330 | 14-Mar-11 A | 05-Nov-16 | | | | | | | | | | |
| MILESTONES | 1330 | 13-May-11 A | 05-Nov-16 | | | | | | | | | | |
| OVERALL | 1741 | 13-May-11 A | 06-Jun-16 | | | | | | | | | | |
| EXPO 2 DURATION TO ROD (1520 + 332) | 1520 | 13-May-11 A | 10-Jul-15 | | | | | | | | | | |
| SCHEDULE CONTINGENCY | 332 | 11-Jul-15 | 06-Jun-16 | | | | | | | | | | |
| DESIGN-BUILD CONTRACT (SRJV) | 1255 | 31-Jul-12 | 06-Jan-16 | | | | | | | | | | |
| DESIGN-BUILD CONTRACT - FULL NOTICE TO PROCEED | 0 | 31-Jul-12* | | | | | | | | | | | |
| DESIGN-BUILD CONTRACT - ACCESS EAST OF BAGLEY | 0 | | 04-Aug-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 COMPLI | 0 | | 08-Oct-15 | | | | | | | | | | |
| DESIGN-BUILD CONTRACT - FINAL ACCEPTANCE (PUNCHLIST COMPLETION + | 0 | | 06-Jan-16* | | | | | | | | | | |
| VENICE BOULEVARD BRIDGE (BBII) | 56 | 05-Aug-13 | 30-Sep-13 | | | | | | | | | | |
| VBV - STRUCTURE COMPLETION AND SETTLEMENT MILESTONE (TRACK REAI | 0 | | 05-Aug-13* | | | | | | | | | | |
| VBV - DESIGN-BUILD CONTRACT SUBSTANTIAL COMPLETION | 0 | | 30-Sep-13* | | | | | | | | | | |
| MAINTENANCE FACILITY CONTRACT | 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* | | | | | | | | | | |
| BIKE PATH | 588 | 12-Sep-12 | 02-Jan-15 | | | | | | | | | | |
| BIKE PATH - NTP DESIGN-BUILD | 0 | 12-Sep-12 | | | | | | | | | | | |
| BIKE PATH - SUBSTANTIAL COMPLETION | 0 | | 02-Jan-15 | | | | | | | | | | |
| LA METRO | 151 | 07-Jun-16 | 05-Nov-16 | | | | | | | | | | |
| LA METRO - SYSTEM INTEGRATION TESTING (60) | 60 | 07-Jun-16 | 05-Aug-16 | | | | | | | | | | |
| LA METRO - PRE-REVENUE OPERATION (90) | 90 | 06-Aug-16 | 03-Nov-16 | | | | | | | | | | |
| LA METRO - SERVICE OPERATION DATE (ROD) | 0 | 05-Nov-16* | | | | | | | | | | | |
| Metro Property Acquisitions | 5 | 14-Mar-11 A | 31-Dec-12 | | | | | | | | | | |
| POST-ACQUISITION GROUND LEASE | 5 | 14-Mar-11 A | 04-Sep-12 | | | | | | | | | | |
| SIGNBOARD LEASE | 5 | 24-Aug-11 A | 13-Aug-12 | | | | | | | | | | |
| PURCHASE | 5 | 30-Sep-11 A | 31-Dec-12 | | | | | | | | | | |
| SRJV Design Build | 915 | 19-May-11 A | 27-Mar-15 | | | | | | | | | | |
| Final Design | 403 | 19-May-11 A | 12-Aug-13 | | | | | | | | | | |
| ADVANCED PARTIAL DESIGN PACKAGES | 5 | 19-May-11 A | 24-May-12 | | | | | | | | | | |
| TRACTION POWER SYSTEM (TPS) DESIGN PACKAGES | 236 | 19-May-11 A | 27-Sep-12 | | | | | | | | | | |
| BRIDGE DESIGN PACKAGES | 5 | 20-Jun-11 A | 24-Dec-12 | | | | | | | | | | |
| GUIDEWAY AND TRACKWORK DESIGN PACKAGES | 5 | 30-Jun-11 A | 01-Oct-12 | | | | | | | | | | |
| STATION DESIGN PACKAGES | 5 | 27-Jul-11 A | 30-Apr-13 | | | | | | | | | | |
| WALL STRUCTURE DESIGN PACKAGES | 297 | 02-Aug-11 A | 05-Jun-12 | | | | | | | | | | |
| WET UTILITIES DESIGN PACKAGES | 5 | 04-Aug-11 A | 07-Nov-12 | | | | | | | | | | |
| ROADWAY DESIGN PACKAGES | 5 | 04-Aug-11 A | 28-Nov-12 | | | | | | | | | | |
| OVERHEAD CATONARY SYSTEM (OCS) DESIGN PACKAGES | 298 | 05-Aug-11 A | 23-Oct-12 | | | | | | | | | | |
| TRAFFIC SIGNAL DESIGN PACKAGES | 5 | 08-Aug-11 A | 07-Nov-12 | | | | | | | | | | |
| PARKING STRUCTURE DESIGN PACKAGE | 141 | 16-Aug-11 A | 07-Aug-12 | | | | | | | | | | |
| TRAIN CONTROL DESIGN PACKAGES | 80 | 27-Sep-11 A | 12-Aug-13 | | | | | | | | | | |
| COMMUNICATION DESIGN PACKAGES | 5 | 14-Feb-12 A | 28-Feb-13 | | | | | | | | | | |
| CONSTRUCTION | 717 | 19-May-11 A | 12-Feb-15 | | | | | | | | | | |
| SPECIAL CONDITIONS/UTILITIES | 5 | 19-May-11 A | 30-Dec-13 | | | | | | | | | | |
| SEGMENT 1 | 601 | 01-Dec-11 A | 20-Oct-14 | | | | | | | | | | |
| SEGMENT 1 - SITEWORK AND SPECIAL CONDITIONS-INITIAL SITEWORK | 242 | 01-Dec-11 A | 22-Feb-13 | | | | | | | | | | |
| SEGMENT 1 - GUIDEWAYS AND TRACKS | 379 | 05-Sep-12 | 28-Feb-14 | | | | | | | | | | |
| SEGMENT 1 - STATIONS | 217 | 01-Aug-13 | 06-Jun-14 | | | | | | | | | | |
| SEGMENT 1 - SITEWORK AND SPECIAL CONDITIONS-STREET IMPROVEMENT | 181 | 03-Feb-14 | 16-Oct-14* | | | | | | | | | | |
| SEGMENT 1 - SYSTEMS AND EQUIPMENT | 163 | 03-Mar-14 | 20-Oct-14* | | | | | | | | | | |
| SEGMENT 2 | 662 | 23-Apr-12 | 25-Nov-14 | | | | | | | | | | |
| SEGMENT 2 - STATIONS AND PARKING | 654 | 23-Apr-12 | 12-Nov-14 | | | | | | | | | | |
| SEGMENT 2 - SITEWORK AND SPECIAL CONDITIONS-INITIAL SITEWORK | 383 | 11-Jun-12 | 10-Dec-13 | | | | | | | | | | |
| SEGMENT 2 - GUIDEWAYS AND TRACKS | 450 | 27-Aug-12 | 02-Jun-14 | | | | | | | | | | |

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

EXPO 2 CONTROL SCHEDULE - APRIL 2012

| D.. | Revision | C.. | A.. |
|-----|----------|-----|-----|
| | | | |

**EXPOSITION METRO LINE
CONSTRUCTION AUTHORITY**
Monthly Phase 2 Project Status Report
Period Ending – April 30, 2012



Critical Path Schedule April Continued

| Activity Name | Orig. Dur. | Start | Finish | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | |
|--|------------|-------------|-----------|------|---|------|---|------|---|------|---|------|---|
| | | | | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q |
| SEGMENT 2 - SYSTEMS AND EQUIPMENT | 263 | 13-Nov-13 | 25-Nov-14 | | | | | | | | | | |
| SEGMENT 3 | 716 | 24-Apr-12 | 12-Feb-15 | | | | | | | | | | |
| CENTINELA TO 17TH | 638 | 10-Jul-12 | 09-Jan-15 | | | | | | | | | | |
| SEGMENT 3 - SITEWORK AND SPECIAL CONDITIONS | 434 | 10-Jul-12 | 21-Mar-14 | | | | | | | | | | |
| SEGMENT 3 - GUIDEWAYS AND TRACKS | 345 | 11-Oct-12 | 18-Feb-14 | | | | | | | | | | |
| SEGMENT 3 - STATIONS | 225 | 24-Jan-13 | 10-Dec-13 | | | | | | | | | | |
| SEGMENT 3 - SYSTEMS AND EQUIPMENT | 294 | 13-Nov-13 | 09-Jan-15 | | | | | | | | | | |
| COLORADO | 716 | 24-Apr-12 | 12-Feb-15 | | | | | | | | | | |
| SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORADO | 443 | 24-Apr-12 | 17-Jan-14 | | | | | | | | | | |
| SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORADO | 535 | 24-Apr-12 | 28-May-14 | | | | | | | | | | |
| SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORADO | 322 | 22-May-12 | 23-Aug-13 | | | | | | | | | | |
| SEGMENT 3 - COLORADO STATIONS | 448 | 02-Apr-13 | 05-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 | | | | | | | | | | |
| SYSTEMS TESTING AND INTEGRATION | 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 SYSTEM 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 | | | | | | | | | | |
| Venice Boulevard Underpass (VBU) | 574 | 01-Jun-11 A | 30-Sep-13 | | | | | | | | | | |
| VBU - DWP PS COMPLETE OH UTILITY RELOCATION DESIGN/APPROVAL | 85 | 01-Jun-11 A | 11-May-12 | | | | | | | | | | |
| VBU - ROADWAY DESIGN | 149 | 01-Sep-11 A | 04-May-12 | | | | | | | | | | |
| VBU - BRIDGE DESIGN | 161 | 01-Sep-11 A | 04-May-12 | | | | | | | | | | |
| VBU - EXPO COMPLETE DESIGN OF COMMUNICATIONS JOINT TRENCH | 85 | 01-Sep-11 A | 18-May-12 | | | | | | | | | | |
| VBU - METRO CRITICAL PROPERTY ACQUISITIONS (DEL TACO ROE) | 192 | 01-Sep-11 A | 01-Jun-12 | | | | | | | | | | |
| VBU - 48" SEWER RELOCATION DESIGN/ENCROACHMENT PERMIT | 110 | 01-Sep-11 A | 04-May-12 | | | | | | | | | | |
| VBU - METRO PROPERTY ACQUISITIONS | 407 | 03-Jan-12 A | 30-Apr-13 | | | | | | | | | | |
| VBU - BRIDGE CRITICAL SUBMITTALS/PROCUREMENT | 42 | 07-May-12 | 03-Jul-12 | | | | | | | | | | |
| VBU - RELOCATE 48" SANITARY SEWER | 72 | 07-May-12 | 15-Aug-12 | | | | | | | | | | |
| VBU - DWP PS RELOCATE OH PS | 127 | 14-May-12 | 08-Nov-12 | | | | | | | | | | |
| VBU - EXPO INSTALL COMMUNICATIONS JOINT TRENCH | 127 | 21-May-12 | 15-Nov-12 | | | | | | | | | | |
| VBU - DWP PS INSTALL DUCTBANK AND BACKFILL AT SEWER RELOCATION AR | 10 | 16-Aug-12 | 29-Aug-12 | | | | | | | | | | |
| VBU - CONSTRUCT BRIDGE SUBSTRUCTURE, ABUTMENTS AND BENTS | 77 | 30-Aug-12 | 18-Dec-12 | | | | | | | | | | |
| VBU - CONSTRUCT BRIDGE SUPERSTRUCTURE AND RELEASE FORMWORK | 108 | 19-Dec-12 | 21-May-13 | | | | | | | | | | |
| VBU - CONSTRUCT BRIDGE EMERGENCY WALKWAYS, CABLE RAILINGS AND D | 36 | 22-May-13 | 12-Jul-13 | | | | | | | | | | |
| VBU - BRIDGE SETTLEMENT PERIOD (76 CALENDAR DAYS) | 76 | 22-May-13 | 05-Aug-13 | | | | | | | | | | |
| VBU - ROADWAY CONSTRUCTION | 55 | 15-Jul-13 | 30-Sep-13 | | | | | | | | | | |
| VBU - PLAZA CONSTRUCTION | 55 | 15-Jul-13 | 30-Sep-13 | | | | | | | | | | |
| Rail Operation and Maintenance Facility (OMF) | 698 | 28-Dec-11 A | 26-Feb-15 | | | | | | | | | | |
| MAINTENANCE FACILITY - FINAL DESIGN - 60% DESIGN SUBMITTAL | 112 | 28-Dec-11 A | 31-May-12 | | | | | | | | | | |
| MAINTENANCE FACILITY - FINAL DESIGN - 60% DESIGN REVIEW AND EXPO APF | 20 | 01-Jun-12 | 28-Jun-12 | | | | | | | | | | |
| MAINTENANCE FACILITY - FINAL DESIGN - 100% DESIGN SUBMITTAL | 83 | 29-Jun-12 | 25-Oct-12 | | | | | | | | | | |
| MAINTENANCE FACILITY - FINAL DESIGN - 100% DESIGN REVIEW AND EXPO AF | 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 A | 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 | | | | | | | | | | |
| Bike Path | 855 | 07-Mar-12 A | 02-Jan-15 | | | | | | | | | | |
| BIKE PATH - PRELIMINARY ENGINEERING | 100 | 07-Mar-12 A | 01-Jun-12 | | | | | | | | | | |
| BIKE PATH - NEGOTIATION AND CONTRACT | 70 | 04-Jun-12 | 11-Sep-12 | | | | | | | | | | |
| BIKE PATH - FINAL DESIGN | 150 | 12-Sep-12 | 12-Apr-13 | | | | | | | | | | |
| BIKE PATH - CONSTRUCTION | 438 | 15-Apr-13 | 02-Jan-15 | | | | | | | | | | |

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

EXPO 2 CONTROL SCHEDULE - APRIL 2012

| D.. | Revision | C.. | A.. |
|-----|----------|-----|-----|
| | | | |



Schedule Narrative

Critical Path Analysis (0 Calendar Days)

Currently, the Critical Path runs through the LRT Design-Build Project. Specifically, the Contractor's longest path consists of work on Colorado Avenue in the City of Santa Monica starting with the relocation of existing utilities and installation of new utilities, followed by street improvements, guideway construction and trackwork. The path continues with the installation of the Overhead Catenary System followed by systems local and integrated testing.

Secondary Critical Path Analysis (1 Calendar Days)

The secondary critical path also runs through the LRT Design-Build Project starting with LADWP and SCE OH power relocation at Bundy Drive in the City of LA, followed by the construction of the Bundy Bridge. The path continues with the installation of trackwork followed by the installation and testing of the Overhead Catenary and Train Control systems.

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**

| Element | Description | Original Budget | Current Budget | Commitments | Expenditures | Current Forecast | Forecast Variance Over/<Under> |
|--------------|-----------------------|-----------------|----------------|--------------|--------------|------------------|-----------------------------------|
| C | CONSTRUCTION | 766.4 | 766.4 | 555.2 | 98.5 | 766.4 | - |
| R | RIGHT-OF-WAY | 265.0 | 265.0 | 72.2 | 72.2 | 265.0 | - |
| V | VEHICLES | 202.1 | 202.1 | - | - | 202.1 | - |
| P | PROFESSIONAL SERVICES | 148.2 | 148.2 | 83.8 | 42.1 | 148.2 | - |
| SC | SPECIAL CONDITIONS | 63.6 | 63.6 | 5.0 | 1.6 | 63.6 | - |
| PR | PROJECT RESERVE | 66.0 | 66.0 | - | - | 66.0 | - |
| TOTAL | | 1,511.2 | 1,511.2 | 716.2 | 214.3 | 1,511.2 | - |

NOTE: Expenditures are as of April 30, 2012

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
Through April 30, 2012**



Expo

*Sources & Uses of Funds - Phase 2
Status as of April 30, 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 | \$ - | \$ 45.3 | |
| | <u>\$ 1,309.1</u> | <u>\$ 443.3</u> | <u>\$ 865.8</u> | |
| Total Sources: | <u>\$ 1,309.1</u> | <u>\$ 443.3</u> | <u>\$ 865.8</u> | |

| Uses of Funds by Element (millions) | A | B | C | D = A - B |
|-------------------------------------|-------------------|-----------------|-----------------|-----------------|
| Element | Budget | Committed | Paid | Uncommitted |
| Design-Build Corridor | \$ 606.8 | \$ 541.6 | \$ 97.3 | \$ 65.2 |
| Other Construction Elements | \$ 159.5 | \$ 13.6 | \$ 1.2 | \$ 145.9 |
| Right-of-Way | \$ 265.0 | \$ 72.2 | \$ 72.2 | \$ 192.8 |
| Professional Services | \$ 148.2 | \$ 83.8 | \$ 42.1 | \$ 64.4 |
| Special Conditions | \$ 63.6 | \$ 5.0 | \$ 1.6 | \$ 58.6 |
| Project Reserve | \$ 66.0 | \$ - | \$ - | \$ 66.0 |
| | <u>\$ 1,309.1</u> | <u>\$ 716.2</u> | <u>\$ 214.3</u> | <u>\$ 592.8</u> |
| Total Uses: | <u>\$ 1,309.1</u> | <u>\$ 716.2</u> | <u>\$ 214.3</u> | <u>\$ 592.8</u> |

Paid-to-Date through 4/30/12



**Project Operating Budget Summary in Millions of Dollars
 Through April 30, 2012**



Expo

*Sources & Uses of Funds - Phase 2
 Status as of April 30, 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 |
| | \$ 202.1 | \$ - | \$ | 202.1 |
| Total Sources: | \$ 202.1 | \$ - | \$ | 202.1 |
| Uses of Funds by Element (millions) | | | | |
| | A | B | C | D = A - B |
| Element | Budget | Committed | Paid | Uncommitted |
| Vehicles | \$ 202.1 | \$ - | \$ - | \$ 202.1 |
| Total Uses: | \$ 202.1 | \$ - | \$ - | \$ 202.1 |

Paid-to-Date through 4/30/12



**Project Operating Budget Summary in Millions of Dollars
Through April 30, 2012**



Expo

*Sources & Uses of Funds - Phase 2
Status as of April 30, 2012*

Non - Baseline Activities

| Sources of Funds (millions) | A | B | C = A - B | |
|--|----------------|-------------------|---------------|--|
| Source | Budget | Funding Committed | Uncommitted | |
| Project Revenue: City of LA Contribution | \$ 5.3 | \$ 5.3 | \$ - | |
| Project Revenue: City of Santa Monica Contribution | \$ 18.3 | \$ 18.3 | \$ 0.0 | |
| Total Sources: | \$ 23.6 | \$ 23.6 | \$ 0.0 | |

| 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 | \$ - | \$ - | \$ 9.1 |
| 4th Street Terminus Station P.E. | \$ 0.5 | \$ 0.4 | \$ - | \$ 0.1 |
| 4th Street Terminus Station Construction | \$ 8.4 | \$ - | \$ - | \$ 8.4 |
| Total Uses: | \$ 23.6 | \$ 6.0 | \$ 0.4 | \$ 17.6 |

Paid-to-Date through 4/30/12



Phase 2 Exposition Metro Line Construction Authority Contract Status

Expo Phase 2 Design-Build Contract Status

| | | | | | | |
|--|---|------------------------------------|---------------------------|-----------------------------|-----------------|-------------------------|
| <p>Expo Phase 2 Contractor: Skanska/Rados</p> | <p>Contract No.: XP8902-002</p> <p>Status as of: 30-Apr-12</p> | | | | | |
| <p>Progress/Work Completed: See Page 6</p> <p>Areas of Concern: See Pages 4 and 5</p> | <p>Major Activities (In Progress):</p> <ul style="list-style-type: none"> - Received comments on the Kenter Canyon Storm Drain structural analysis from the Los Angeles County Flood Control District - Continue submittal of 60% and 85% design documents - Pre-construction activities: utility and third party coordination; exposed/inspected sanitary sewer at multiple crossings; began constructing LADOT temporary parking lot <p>Major Activities Next Period:</p> <ul style="list-style-type: none"> - Continue final design - Continue final design for City of Santa Monica Station Betterments - Continue pre-construction activities: utility and third party coordination, clear and grub within the Metro right-of-way; construct the LADOT temporary parking lot | | | | | |
| | | <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>Contract Completion</p> | <p>01/08/16</p> | <p>0</p> | <p>01/08/16</p> | <p>01/08/16</p> | <p>0</p> |
| | | | | | | |
| | | | | | | |
| <p>Schedule Summary:</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: 348</p> | <p>Cost Summary: \$ In 000's</p> <p>1. Award Value: 546,930.00</p> <p>2. Executed Modifications: 724.72</p> <p>3. Approved Change Orders: 0.00</p> <p>4. Current Contract Value (1 + 2 + 3): 547,654.72</p> <p>5. Pending Changes: 0.00</p> <p>6. Incurred Cost: 97,681.08</p> | | | | | |



Expo Phase 2 VBU Design-Build Contract Status

| | | | | | | |
|--|--|-------------------------|----------------|------------------|----------|--------------|
| <p>Expo Phase 2 Contractor: Balfour Beatty Infrastructure, Inc.</p> | <p>Contract No.: XP8901-828 Status as of: 30-Apr-12</p> | | | | | |
| <p>Progress/Work Completed: See Page 6</p> <p>Areas of Concern: See Pages 4 and 5</p> | <p>Major Activities (In Progress): - Submitted 100% design documents - Review and comment of design by COLA and CalTrans</p> <p>Major Activities Next Period: - Obtain COLA approval 48" sewer plans for construction - Obtain CalTrans encroachment permit for sewer construction</p> | | | | | |
| | | Original Contract Dates | Time Extension | Current Contract | Forecast | Variance CDs |
| | Milestone 1 - Substantial Completion | 07/12/13 | 0 | 07/12/13 | 07/12/13 | 0 |
| | | | | | | |
| | | | | | | |
| <p>Schedule Summary:</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: 243</p> | <p>Cost Summary: \$ In 000's</p> <p>1. Award Value: 15,675.00</p> <p>2. Executed Modifications: 0.00</p> <p>3. Approved Change Orders: 66.65</p> <p>4. Current Contract Value (1 + 2 + 3): 15,741.65</p> <p>5. Pending Changes: 0.00</p> <p>6. Incurred Cost: 2,507.46</p> | | | | | |