



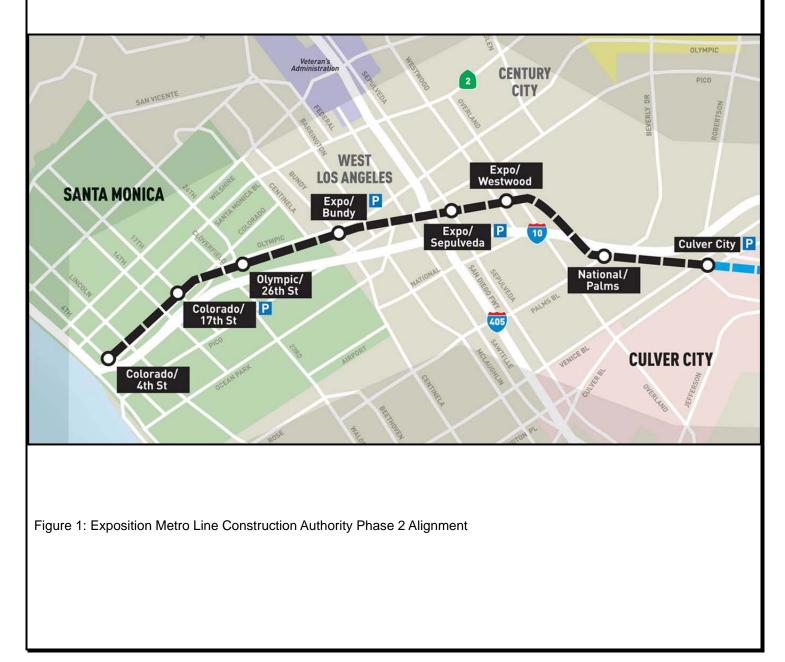
| TABLE OF CONTENTS  |   |
|--|---|
| PHASE 2 EXPO LINE PROJECT STATUS TABLE OF CONTENTS2  | 2 |
| Phase 2 Exposition Metro Line Construction Authority Project Description                     | 3 |
| Phase 2 Exposition Metro Line Construction Authority Culver City to Santa Monica<br>Segment4 | 1 |
| Project Management Issues4   | 1 |
| Key Activities Completed this Period5  |   |
| Key Future Activities  | 3 |
| Phase 2 Exposition Metro Line Construction Authority Schedule Status                         | 7 |
| Critical Path Schedule7  | 7 |
| Schedule Narrative   | ) |
| Phase 2 Exposition Metro Line Construction Authority Financial Status                        | ) |
| Project Cost Status and Analysis10   | ) |
| Expo Baseline Activities11   | I |
| Metro Baseline Activities - Vehicles12   | 2 |
| Non-Baseline Activities13  | 3 |
| Phase 2 Exposition Metro Line Construction Authority Contract Status                         | 1 |
| Expo Phase 2 Design-Build Contract Status14  | 1 |
| Expo Phase 2 VBU Design-Build Contract Status15  | 5 |

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



# 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.





# 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. NFSR filed an appeal with 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 LADWP and SCE on May 16<sup>th</sup>. 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 potential schedule delays, such as having the design-build contractor provide assistance with drafting and base mapping investigations, construct ductbanks and vaults 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 Los Angeles County Flood Control District (LACFCD). 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 100% design documents, plans, and permit application for utility relocation. Because this work is critical to the Phase 2 design-build contract work, the Authority is coordinating with the contractor to identify ways to mitigate potential schedule delays, such as facilitating relocation of a sewer line and installation of LADWP and communications duct banks. Current projections show a potential schedule risk of about three and a half months. It is expected that working through site logistics issues so that the VBU contractor gives timely access to the Design-Build contractor will mitigate this schedule risk.

### 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. Both the Authority's and Metro's contractors have work in the same location scheduled for the 4Q of 2012. They 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 60%/85%/APD 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 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; installed survey control stakes; performed clearing and grubbing within Metro right-of-way; constructed the LADOT temporary parking lot; installed sanitary sewer between 14<sup>th</sup> and 17<sup>th</sup> streets; investigated unknown utilities. Los Angeles Department of Water and Power Water Services (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 returned comments on the BBII 100% design documents; BBII will advance resolution of review comments.
- 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. The Authority coordinated with the contractor to identify ways to mitigate potential schedule delays.

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

• MDG submitted 60% design documents; Metro-Authority-third party staff advanced reviews.

Phase 2 Bikeway

- SRJV advanced Preliminary Engineering design.
- Bicycle Advisory Committee met on May 17th.

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 Los Angeles Department of Water and Power Power Services (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 and air monitoring scope.
- Held Fire Life Safety Committee meetings and workshops on May 10<sup>th</sup>, May 15th, May 22<sup>nd</sup>, May 29th.
- Held Urban Design Committee meeting on May 7<sup>th</sup>; 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%/APD 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 4<sup>th</sup>, 17<sup>th</sup>, and 26<sup>th</sup> 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; perform clearing and grubbing within Metro right-of-way; initiate removal of contaminated soil; investigate unknown utilities; expose/inspect sanitary sewer at multiple crossings and encase where needed. LADWP-WS and PCEC will continue to relocate facilities. City of Santa Monica will continue to relocate trees from the Metro right-of-way.
- The Authority will coordinate with the contractor to provide work-arounds to mitigate potential schedule delays caused by late overhead power relocations.

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. The Authority will coordinate with the contractor to mitigate potential schedule delays.

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

• Metro-Authority-third party staff will review MDG 60% design documents.

Phase 2 Bikeway

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

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 and workshops.
- 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.



| Critical Path Schedule  | 02-Monthly Report                  |   |     |          |                |         | 11-Jul- | -12 12:2 |
|---|------------------------------------|---|-----|----------|----------------|---------|---------|----------|
| vity Name   | Orig. Start                        | Finish  | 201 | 2 2      | 013 2          |         | 2015    | 2016     |
|   | Dur.<br>1330 14-Mar-11             | A 05-Nov-16   | 000 |          | 0000           | 0000    | 000     | 000      |
| Expo LRT Phase 2 - MAY 2012   |                                    |   |     |          |                |         |         |          |
| STAGE B   | 1330 14-Mar-11                     | A 05-Nov-16   |     |          |                |         |         |          |
| MILESTONES  | 1330 13-May-11                     | A 05-Nov-16   |     |          |                |         |         |          |
| OVERALL<br>EXPO 2 DURATION TO ROD (1520 + 332)  | 1741 13-May-11                     |   |     |          |                |         |         |          |
| SCHEDULE CONTINGENCY  | 1520 13-May-11<br>332 11-Jul-15    |   |     |          |                | 1 1 1 1 |         |          |
| DESIGN-BUILD CONTRACT (SRJV)  | 1255 31-Jul-12                     |   |     |          |                |         |         |          |
| DESIGN-BUILD CONTRACT - FULL NOTICE TO PROCEED  | 0 31-Jul-12*                       |   |     | N        |                |         |         |          |
| DESIGN-BUILD CONTRACT - ACCESS EAST OF BAGLEY<br>DESIGN-BUILD CONTRACT - 2011 RAIN ALLOWANCE                  | 0<br>0 29-Mar-15                   | 21-Sep-13"<br>29-Mar-15   |     |          | 111            |         |         |          |
| DESIGN-BUILD CONTRACT - 2012 RAIN ALLOWANCE   | 28 29-Mar-15                       |   |     | +++      | TTT            |         | 111     |          |
| DESIGN-BUILD CONTRACT - 2013 RAIN ALLOWANCE   | 28 26-Apr-15                       | Contract in Second  |     |          |                |         | 4       |          |
| DESIGN-BUILD CONTRACT - 2014 RAIN ALLOWANCE<br>DESIGN-BUILD CONTRACT - 2015 RAIN ALLOWANCE                    | 28 24-May-15<br>20 21-Jun-15       |   |     |          |                |         | 11      |          |
| DESIGN-BUILD CONTRACT - 2015 RAIN ALLOWANCE<br>DESIGN-BUILD CONTRACT - SUBSTANTIAL COMPLETION [DAY ZERO + 15] |                                    | 10-Jul-15<br>10-Jul-15*   |     |          |                |         | •       |          |
| DESIGN-BUILD CONTRACT - PUNCHLIST COMPLETION (SUBSTANTIAL CON   |                                    | 08-Oct-15   |     | TTT      | TTTT           | T       | •       |          |
| DESIGN-BUILD CONTRACT - FINAL ACCEPTANCE (PUNCHLIST COMPLETIO   |                                    | 06-Jan-16*  |     |          |                |         | 111     | 111      |
| VENICE BOULEVARD BRIDGE (BBII)<br>VBU - STRUCTURE COMPLETION AND SETTLEMENT MILESTONE (TRACK R                | 52 22-Sep-13                       | 13-Nov-13<br>22-Sep-13*   |     |          |                |         |         |          |
| VBU - DESIGN-BUILD CONTRACT SUBSTANTIAL COMPLETION  | 0                                  | 13-Nov-13*  |     |          | •              |         |         |          |
| MAINTENANCE FACILTIY CONTRACT   | 630 07-Jun-13                      | 26-Feb-15   |     | TT       |                | TITT    |         |          |
| MAINTENANCE FACILITY - CONSTRUCTION NOTICE TO PROCEED<br>MAINTENANCE FACILITY - FINAL ACCEPTANCE              | 0 07-Jun-13                        | 26-Feb-15*  |     |          |                |         |         |          |
| BIKE PATH   | 588 12-Sep-12                      |   |     |          |                |         |         |          |
| BIKE PATH - NTP DESIGN-BUILD  | 0 12-Sep-12                        | The second second second second second  |     | •        |                |         |         |          |
| BIKE PATH - SUBSTANTIAL COMPLETION  | 0                                  | 02-Jan-15<br>05-Nov-16  |     |          |                | 111     |         | .        |
| LA METRO - SYSTEM INTEGRATION TESTING (60)  | 151 07-Jun-16<br>60 07-Jun-16      |   |     |          |                |         |         |          |
| LA METRO - PRE-REVENUE OPERATION (90)   | 90 06-Aug-16                       | 03-Nov-16   |     |          |                |         |         |          |
| LA METRO - SERVICE OPERATION DATE (ROD)   | 0 05-Nov-16                        |   |     |          | <b>↓↓↓</b>     |         |         |          |
| Metro Property Acquisitions   |                                    | A 31-Dec-12   |     |          |                |         |         |          |
| POST-ACQUISITION GROUND LEASE<br>SIGNBOARD LEASE  |                                    | A 04-Sep-12<br>A 10-Aug-12  | 11  |          |                |         |         |          |
| PURCHASE  |                                    | A 31-Dec-12   |     | <b>i</b> |                |         |         |          |
| SRJV Design Build   | 915 19-May-11                      | A 27-Mar-15   |     |          |                |         |         |          |
| Final Design  | 403 19-May-11                      |   |     |          | TTT            |         | TIT     |          |
| ADVANCED PARTIAL DESIGN PACKAGES<br>TRACTION POWER SYSTEM (TPS) DESIGN PACKAGES                               | 236 19-May-11                      | A 25-May-12<br>A 18-Oct-12  |     |          |                |         |         |          |
| BRIDGE DESIGN PACKAGES  |                                    | A 03-Jan-13   |     |          |                |         |         |          |
| GUIDEWAY AND TRACKWORK DESIGN PACKAGES  |                                    | A 26-Sep-12   |     |          |                |         |         |          |
| STATION DESIGN PACKAGES<br>WALL STRUCTURE DESIGN PACKAGES   | 5 27-Jul-11 /<br>297 02-Aug-11     | A 07-May-13   |     | 111      |                |         |         |          |
| WET UTILITIES DESIGN PACKAGES   |                                    | A 07-Nov-12   |     | <b>-</b> |                |         |         |          |
| ROADWAY DESIGN PACKAGES   | 5 04-Aug-11                        | A 15-Nov-12   |     | - 1      |                |         |         |          |
| OVERHEAD CATONARY SYSTEM (OCS) DESIGN PACKAGES  | 298 05-Aug-11                      |   |     |          |                |         |         |          |
| TRAFFIC SIGNAL DESIGN PACKAGES<br>PARKING STRUCTURE DESIGN PACKAGE  | 5 U8-Aug-11<br>141 16-Aug-11       | A 07-Nov-12<br>A 26-Jul-12  | 11  | 711      |                |         |         |          |
| TRAIN CONTROL DESIGN PACKAGES   | 80 27-Sep-11                       |   |     |          |                |         |         |          |
| COMMUNICATION DESIGN PACKAGES   |                                    | A 28-Mar-13   |     |          |                |         |         |          |
| CONSTRUCTION<br>SPECIAL CONDITIONS/UTILITIES  | 717 19-May-11                      | A 12-Feb-15<br>A 31-Dec-13  |     |          | <u></u>        |         |         |          |
| SEGMENT 1   | 600 01-Dec-11                      |   |     | 111      |                |         |         |          |
| SEGMENT 1 - SITEWORK AND SPECIAL CONDITIONS-INITIAL SITEWORK  | 242 01-Dec-11                      |   |     |          |                |         |         |          |
| SEGMENT 1 - GUIDEWAYS AND TRACKS  | 379 06-Sep-12                      | The second se |     |          |                |         |         |          |
| SEGMENT 1 - STATIONS<br>SEGMENT 1 - SITEWORK AND SPECIAL CONDITIONS-STREET IMPROVEME                          | 218 26-Jul-13<br>EN' 182 04-Feb-14 |   |     |          |                | <u></u> |         |          |
| SEGMENT 1 - SYSTEMS AND EQUIPMENT   | 159 07-Mar-14                      |   |     |          |                |         |         |          |
| SEGMENT 2   | 642 08-Feb-12                      |   |     |          |                |         |         |          |
| SEGMENT 2 - STATIONS AND PARKING<br>SEGMENT 2 - SITEWORK AND SPECIAL CONDITIONS-INITIAL SITEWORK              | 634 08-Feb-12<br>383 05-Mar-12     |   |     | 1.1.1    |                |         |         |          |
| SEGMENT 2 - STEWORK AND SPECIAL CONDITIONS-INTIAL STEWORK   | 442 06-Sep-12                      |   |     |          | the manual and |         |         |          |
| SEGMENT 2 - SYSTEMS AND EQUIPMENT   | 258 19-Nov-13                      |   |     | 1.       |                |         |         |          |

Page 7 of 15

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



#### Critical Path Schedule May Continued EXPO2-Monthly Report Expo LRT Phase 2 - MAY 2012 11-Jul-12 12:23 ctivity Name SEGMENT 3 697 29-Mar-12 A 12-Feb-15 CENTINELA TO 17TH 638 27-Jun-12 29-Dec-14 SEGMENT 3 - SITEWORK AND SPECIAL CONDITIONS 11-Mar-14 434 27-Jun-12 SEGMENT 3 - GUIDEWAYS AND TRACKS 345 01-Oct-12 06-Feb-14 SEGMENT 3 - STATIONS 225 14-Jan-13 28-Nov-13 SEGMENT 3 - SYSTEMS AND EQUPMENT 294 01-Nov-13 29-Dec-14 COLORADO 697 29-Mar-12 A 12-Feb-15 SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORAD 322 29-Mar-12 A 23-Aug-13 SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORAD 516 21-May-12 28-May-14 SEGMENT 3 - COLORADO SITEWORK AND SPECIAL CONDITIONS-COLORAD 372 14-Aug-12\* 29-Jan-14 448 12-Apr-13\* SEGMENT 3 - COLORADO STATIONS 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 SYSTEMS TESTING AND INTEGRATION 228 06-May-14 27-Mar-15 COMMUNICATIONS L 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-15 574 01-Jun-11 A 13-Nov-13 Venice Boulevard Underpass (VBU) 85 01-Jun-11 A 08-Jun-12 VBU - DWP PS COMPLETE OH UTILITY RELOCATION DESIGN/APPROVAL VBU - ROADWAY DESIGN 149 01-Sep-11 A 01-Jun-12 VBU - BRIDGE DESIGN 161 01-Sep-11 A 01-Jun-12 VBU - EXPO COMPLETE DESIGN OF COMMUNICATIONS JOINT TRENCH 85 01-Sep-11 A 15-Jun-12 VBU - METRO CRITICAL PROPERTY ACQUISITIONS (DEL TACO ROE) 192 01-Sep-11 A 28-Sep-12 VBU - 48" SEWER RELOCATION DESIGN/ENCROACHMENT PERMIT 110 01-Sep-11 A 19-Jun-12 VBU - METRO PROPERTY ACQUISITIONS 407 03-Jan-12 A 30-Apr-13 VBU - BRIDGE CRITICAL SUBMITTALS/PROCUREMENT 42 04-Jun-12 01-Aug-12 07-Dec-12 VBU - DWP PS RELOCATE OH PS 127 11-Jun-12 VBU - EXPO INSTALL COMMUNICATIONS JOINT TRENCH 127 18-Jun-12 14-Dec-12 01-Oct-12 VBU - RELOCATE 48" SANITARY SEWER 72 20-Jun-12 VBU - DWP PS INSTALL DUCTBANK AND BACKFILL AT SEWER RELOCATION AF 10 02-Oct-12 15-Oct-12 VBU - CONSTRUCT BRIDGE SUBSTRUCTURE. ABUTMENTS AND BENTS 77 16-Oct-12 04-Feb-13 VBU - CONSTRUCT BRIDGE SUPERSTRUCTURE AND RELEASE FORMWORK 108 05-Feb-13 08-Jul-13 VBU - CONSTRUCT BRIDGE EMERGENCY WALKWAYS, CABLE RAILINGS AND E 36 09-Jul-13 27-Aug-13 VBU - BRIDGE SETTLEMENT PERIOD (76 CALENDAR DAYS) 76 09-Jul-13 22-Sep-13 VBU - ROADWAY CONSTRUCTION 55 28-Aug-13 13-Nov-13 **VBU - PLAZA CONSTRUCTION** 55 28-Aug-13 13-Nov-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 AP 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 A 19 26-Oct-12 21-Nov-12 П 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 Ξŋ. 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-15 855 07-Mar-12 A 02-Jan-15 **Bike Path** BIKE PATH - PRELIMINARY ENGINEERING 100 07-Mar-12 A 01-Jun-12 11-Sep-12 BIKE PATH - NEGOTIATION AND CONTRACT 70 04-Jun-12 BIKE PATH - FINAL DESIGN 150 12-Sep-12 12-Apr-13 **BIKE PATH - CONSTRUCTION** 438 15-Apr-13 02-Jan-15 Revision C., A., **EXPO 2 CONTROL SCHEDULE - MAY 2012** D... Remaining Level of ... Actual Level of Effort



# 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     | Current         |
|----------------------|-------------------|----------|-----------------|
|                      | (days)            | Released | 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<br>Over/ <under></under> |
|---------|-----------------------|-----------------|----------------|-------------|--------------|------------------|--|
| С       | CONSTRUCTION          | 766.4           | 766.3          | 555.3       | 103.2        | 766.3            | -  |
| R       | RIGHT-OF-WAY          | 265.0           | 265.0          | 72.3        | 72.3         | 265.0            |  |
| V       | VEHICLES              | 202.1           | 202.1          |             | -            | 202.1            |  |
| Р       | PROFESSIONAL SERVICES | 148.2           | 148.2          | 84.2        | 42.9         | 148.2            | 1.5  |
| SC      | SPECIAL CONDITIONS    | 63.6            | 63.6           | 10.5        | 1.8          | 63.6             |  |
| PR      | PROJECT RESERVE       | 66.0            | 66.0           | (*)         |              | 66.0             |  |
|         | TOTAL                 | 1,511.2         | 1,511.2        | 722.3       | 220.2        | 1,511.2          | 14   |

NOTE: Expenditures are Paid-to-Date through 5/31/12

# **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.



| Expo<br>Metro / Expo Baseline Activ  | ities                  |               |                      | S  | ources & Uses<br>Status |    | nds - Phase 2<br>f May 31, 2012 |
|--------------------------------------|------------------------|---------------|----------------------|----|-------------------------|----|---------------------------------|
| Sources of Funds (millions)          |                        | A             | в                    |    | C = A - B               |    |                                 |
| Source                               |                        | Budget        | Funding<br>Committed | u  | Incommitted             |    |                                 |
| Prop A 35%                           |                        | \$<br>238.0   | \$<br>×              | \$ | 238.0                   |    |                                 |
| Prop C 25%                           |                        | \$<br>115.3   | \$<br>2.6            | \$ | 112.7                   |    |                                 |
| Measure R                            |                        | \$<br>813.7   | \$<br>377.7          | \$ | 436.0                   |    |                                 |
| Prop 1B Bonds                        |                        | \$<br>48.9    | \$<br>15.2           | \$ | 33.7                    |    |                                 |
| Regional Improvement Program (State) |                        | \$<br>47.8    | \$<br>12.5           | \$ | 35.3                    |    |                                 |
| Local Agency Contribution            | 1                      | \$<br>45.3    | \$<br>16.5           | \$ | 28.8                    |    |                                 |
|                                      | The state of the state | \$<br>1,309.1 | <br>424.5            |    | 884.6                   |    |                                 |
|                                      | Total Sources:         | \$<br>1,309.1 | \$<br>424.5          | \$ | 884.6                   |    |                                 |
| Uses of Funds by Element (millions)  |                        | A             | В                    |    | С                       |    | D = A - B                       |
| Element                              |                        | Budget        | Committed            |    | Paid                    | Ur | ncommitted                      |
| Design-Build Corridor                |                        | \$<br>606.8   | \$<br>541.7          | \$ | 102.0                   | \$ | 65.1                            |
| Other Construction Elements          |                        | \$<br>159.5   | \$<br>13.6           | \$ | 1.3                     | \$ | 145.9                           |
| Right-of-Way                         |                        | \$<br>265.0   | \$<br>72.3           | \$ | 72.3                    | \$ | 192.7                           |
| Professional Services                |                        | \$<br>148.2   | \$<br>84.2           | \$ | 42.9                    | \$ | 64.0                            |
| Special Conditions                   |                        | \$<br>63.6    | 10.5                 | \$ | 1.8                     | \$ | 53.1                            |
| Project Reserve                      |                        | \$<br>66.0    | -                    | -  | -                       |    | 66.0                            |
|                                      | Total Uses:            | \$<br>1,309.1 | \$<br>722.3          | \$ | 220.2                   | \$ | 586.7                           |



| <b>Expo</b><br>Metro / Expo Baseline Activities - Ve | hicles     |                |                      |                      | of Funds - Phase 2<br>as of May 31, 2012 |
|--|------------|----------------|----------------------|----------------------|--|
| Sources of Funds (millions)                          |            | A              | В                    | C = A - B            |  |
| Source   |            | Budget         | Funding<br>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             |  |
|  | surces: \$ | 202.1<br>202.1 |                      | \$ 202.1<br>\$ 202.1 | •  |
| Uses of Funds by Element (millions)                  |            | A              | в                    | с                    | D = A - B                                |
| Element  |            | Budget         | Committed            | Paid                 | Uncommitted                              |
| Vehicles   | \$         | 202.1          | \$-                  | \$-                  | \$ 202.1                                 |
| Tota   | l Uses: \$ | 202.1          | \$-                  | \$-                  | \$ 202.1                                 |
| Paid-to-Date through 5/31/12                         |            |                |                      |                      |  |



|                                 | B<br>Inding<br>5.3<br>18.3<br>23.6 | \$   |   |   |
|---------------------------------|------------------------------------|--|---|---|
| Com<br>5.3 \$<br>18.3 \$        | Inding<br>nmitted<br>5.3<br>18.3   | Uncommit<br>\$<br>\$                             |   |   |
| Com<br>5.3 \$<br>18.3 \$        | 5.3<br>18.3                        | \$<br>\$   | ted<br>-<br>-   |   |
| 18.3 \$                         | 18.3                               | \$   | •   |   |
|                                 |                                    |  | ÷.,   |   |
| 23.6 \$                         | 23.6                               | \$   |   | ·   |
|                                 | в                                  | с  | _   | D=A-B   |
| Corr                            | nmitted                            | Paid   |   | Uncommitted   |
| - \$                            | - 3                                | \$   | -   | s -   |
| 5.3 \$                          | 5.3                                | \$   | -   | \$ -  |
| 0.4 \$                          | 0.4                                | \$   | 0.4   | \$ -  |
| 9.1 \$                          | 1.4                                | \$   | -   | \$ 7  |
| 0.5 \$                          | 0.4                                | \$   | -   | \$ 0  |
| 8.4 \$                          |                                    |  | <u>-</u>  | \$ 8  |
| 23.6 \$                         | 7.4                                | \$   | 0.4   | \$ 16   |
|                                 |                                    |  |   |   |
|                                 |                                    |  |   |   |
|                                 |                                    |  |   |   |
| 5.3<br>0.4<br>9.1<br>0.5<br>8.4 | \$<br>\$<br>\$<br>\$<br>\$         | \$-<br>\$5.3<br>\$0.4<br>\$1.4<br>\$0.4<br>\$0.4 | \$     -     \$       \$     5.3     \$       \$     0.4     \$       \$     1.4     \$       \$     0.4     \$       \$     1.4     \$       \$     0.4     \$ | \$       -       \$       -         \$       5.3       \$       -         \$       0.4       \$       0.4         \$       1.4       \$       -         \$       0.4       \$       -         \$       1.4       \$       -         \$       0.4       \$       -         \$       1.4       \$       -         \$       0.4       \$       -         \$       0.4       \$       -         \$       0.4       \$       -         \$       0.4       \$       -         \$       0.4       \$       -         \$       0.4       \$       -         \$       0.4       \$       - |



| Ехро  | se 2 Design-Build Cont  | ract S   | tatus   |   |   |                         |
|---|---|--|---|---|---|-------------------------|
| Expo Phase 2<br>Contractor: Skanska/Rados   | Contract No.: XP  |  |   |   |   |                         |
| Progress/Work Completed:<br>See Page 5<br>Areas of Concern:<br>See Pages 4  | Status as of:<br>Major Activities (In Progress)<br>- Continue submittal of 60% and<br>- Advanced engineering of City<br>Street Stations<br>- Pre-construction activities: uti<br>14th and 17th streets; construct<br>grubbing within Metro right-of-w<br>Major Activities Next Period:<br>- Continue final design<br>- Continue final design for City of<br>- Continue pre-construction activithe Metro right-of-way; expose/<br>needed | d 85% desig<br>of Santa M<br>ility and thirr<br>ted the LAD<br>way<br>of Santa Mc<br>ivities: utilit | gn document<br>onica fundec<br>d party coord<br>OOT tempora<br>DOT station<br>y and third p | I betterments<br>dination; insta<br>ry parking lot<br>Betterments<br>arty coordinal | lled sanitary sewer<br>; perform clear inga<br>tion, clear and grub | between<br>nd<br>within |
|   | Cont<br>Milestone 1 - Contract  | Driginal<br>tract Dates<br>11/08/16  | Time<br>Extension<br>0  | Current<br>Contract<br>01/08/16   | Forecast<br>01/08/16  | Varianc<br>CDs<br>0     |
| Schedule Summary:         Date of Award:       05/13         Limited Notice to Proceed:       05/19                   | Cost Summary:<br>1. Award Value:<br>2. Executed Modific<br>3. Approved Change   |  | 5   |   | \$ In 000's<br>546,930.00<br>724.72<br>50.00                        |                         |
| Original Contract Duration:       1         Current Contract Duration:       1         Elapsed Time from NTP:       3 | <ol> <li>A. Current Contract</li> <li>Fending Changes</li> <li>Incurred Cost:</li> </ol>  | Value (1   |   | ):  | 547,704.72<br>0.00<br>102,369.33                                    |                         |

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



| Progress/Work Completed:<br>See Page 5<br>Areas of Concern:<br>See Pages 4 | Major Activities (In Pro<br>- Reviewed 100% desig<br>- Review and comment<br>- Coordination of sewer<br>Major Activities Next F<br>- Obtain COLA approva<br>- Obtain CalTrans encro<br>- Begin sewer location | n documents<br>of design by COL<br>construction, com<br>Period:<br>  48" sewer plans | nmunication a for constructi | and DWP elect       | trical relocation wo | rk plans       |
|--|---|--|------------------------------|---------------------|----------------------|----------------|
|  | <ul> <li>Obtain COLA approva</li> <li>Obtain CalTrans encro</li> </ul>  | 48" sewer plans  |                              |                     |                      |                |
|  |   |  |                              |                     |                      |                |
|  |   |  |                              |                     |                      |                |
|  |   | Original<br>Contract Dates   | Time<br>Extension            | Current<br>Contract | Forecast             | Varianc<br>CDs |
|  | Milestone 1 - Substantial<br>Completion   | 07/12/13   | 0                            | 07/12/13            | 07/12/13             | 0              |
|  |   |  |                              |                     |                      |                |
| Schedule Summary:  | <u>Cost Summar</u>  | <u>v:</u>  |                              |                     | \$ In 000's          | I              |
| Date of Award: 08/04/11  | <ol> <li>Award Value</li> <li>Executed M</li> </ol>   |  |                              |                     | 15,675.00<br>0.00    |                |
| Limited Notice to Proceed: 09/01/11<br>Original Contract Duration: 680     | <ol> <li>Approved C</li> <li>Current Con</li> </ol>   | 07   |                              | s):                 | 66.65<br>15,741.65   |                |
| Current Contract Duration:     680       Elapsed Time from NTP:     274    | 5. Pending Ch<br>6. Incurred Co   | 201  |                              |                     | 0.00                 |                |