



**Board Report**

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**File #:** 2015-0609, **File Type:** Oral Report / Presentation

**Agenda Number:** 47.

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**CONSTRUCTION COMMITTEE  
JUNE 18, 2015**

RECEIVE oral report on **Transit Program Project Budget & Schedule Status.**

**DISCUSSION**

Transit Program Project Budget & Schedule Status Oral Report, presented by Brian Boudreau, Executive Director-Program Management.

**ATTACHMENTS**

Attachment A - Transit Program Project Budget & Schedule Status Report - June 2015

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**Item 47**

# **Project Budget And Schedule Status Report**

























**Presented by  
Brian Boudreau  
Executive Director, Program Management**

**Construction Committee  
June 18, 2015**



**Metro**


# Cost & Schedule Performance Summary Chart

| Slide # | Project                                   | Cost Performance  | Schedule Performance  | Comments   |
|---------|---|---|---|--|
| 3       | Crenshaw/LAX                              |    |    | The design-build contractor is currently reporting that they are 123 calendar days behind schedule; however at this early stage of the project there are opportunities to reduce this delay.             |
| 4       | Westside Purple Line Extension-Section 1  |    |    |  |
| 5       | Regional Connector                        |    |    | Project cost analysis is being performed to evaluate adequacy of project contingency. Differing site conditions and design review delay have impacted scheduled completion of AUR contract.              |
| 6       | I-405 Sepulveda Pass Improvements Project |    |    | Interim forecast increase of \$115 million due to merited provisional sums, settled claims, 3rd Party/MCA, arbitration costs, Caltrans support & other professional services. Does not include Claim 86. |
| 7       | Universal City Pedestrian Bridge          |    |    |  |
| 8       | MOL to MRL North Hollywood Connector      |    |    |  |
| 9       | Metro Blue Line Station Refurbishments    |    |    |  |
| 10      | Patsaouras Plaza                          |   |   | Change order requested for design error/tunnel conflict and other issues. Negotiations in progress. Schedule delayed due to permitting, environmental, and ROW issues with Caltrans.                     |
| 11      | Division 13                               |  |  | Delays due to issues with the ventilation system and other punch list items.   |
| 12      | P3010 Rail Car Vehicle Procurement        |  |  |  |
| 13-14   | Gold Line Foothill Ext.                   |  |  |  |
| 15-16   | Expo Phase II                             |  |  |  |



# Crenshaw/LAX Transit Project









|  <b>BUDGET</b> | Original | Current | Forecast |
|---|----------|---------|----------|
| Total Cost (\$ mil.)  | 1,749    | 2,058   | 2,058    |





- No issues to report.





|  <b>SCHEDULE</b> | Original | Current  | Forecast |
|---|----------|----------|----------|
| Rev. Operation  | Dec 2018 | Oct 2019 | Oct 2019 |

- The design-build contractor is currently reporting that they are 123 days behind schedule; however at this early stage of the project there are opportunities to reduce this delay.

## POTENTIAL RISKS

- Various utility relocations to be completed by third parties which are required to be completed prior to design-builder's construction activities. (High risk )
- Design-builder's ability to mitigate schedule delays. (High risk )
- New 96<sup>th</sup> street station cost and schedule potential impacts. (Medium risk )
- Timely future reviews of design-builder's final design submittals. (Medium risk )
- Execution of Agreement with City of Inglewood. (Low risk )
- LAWA's work window availability for design-builder to construct underground structure in front of LAX runways. (Low risk )


 On target   
  Possible problem   
  Major issue

 Risk is Decreasing (Improving)   
  Risk is Increasing (Worsening)   
  Risk is Unchanged since last month   
  New Risk

# Westside Purple Line Extension – Section 1

(La Cienega)



| <b>BUDGET</b>         | Original | Current | Forecast |
|-----------------------|----------|---------|----------|
| Total Cost* (\$ mil.) | 3,149    | 3,149   | 3,149    |

- No issues to report.

\* Includes Board approved Life-of-Project Budget, plus Planning and Finance costs.

| <b>SCHEDULE</b> | Original* | Current  | Forecast |
|-----------------|-----------|----------|----------|
| Rev. Operation  | Oct 2024  | Nov 2023 | Nov 2023 |

- Design-Build Contractor has completed the geotechnical investigations in the City of Los Angeles and is proceeding with site preparation work at construction staging areas as properties become available.

\* FFGA scheduled completion

## POTENTIAL RISKS

- Resolution of issues regarding the scope of the Division 20 MOW building.
- Adequate staffing (Med risk ).
- CEQA lawsuits have concluded with the Judge’s ruling in favor of Metro’s position on the Beverly Hills Unified School District and the City of Beverly Hills lawsuits. Beverly Hills Unified School District and the City of Beverly Hills have appealed the ruling. Both petitioners’ have filed briefs with the Court of Appeal. Metro filed its opposition briefs on April 13, 2015. Petitioners’ reply briefs were filed on May 8, 2015. Court of Appeal to schedule the oral argument. (Low risk ).
- NEPA lawsuits filed by Beverly Hills Unified School District and the City of Beverly Hills are still pending in U.S. District Court. The December 4, 2014 hearing on the parties’ cross-motions for summary judgment was taken off calendar and will be rescheduled by the Court. (Low risk ).

On target    Possible problem    Major issue

Risk is Decreasing (Improving)    Risk is Increasing (Worsening)    Risk is Unchanged since last month    New Risk

# Regional Connector



| ◆ BUDGET              | Original | Current | Forecast |
|-----------------------|----------|---------|----------|
| Total Cost* (\$ mil.) | 1,467    | 1,467   | 1,467    |

- Project cost analysis is being performed to evaluate adequacy of project contingency.

\*Includes Board approved Life-of-Project Budget, plus Planning and Finance costs.

| ◆ SCHEDULE     | Original* | Current  | Forecast |
|----------------|-----------|----------|----------|
| Rev. Operation | May 2021  | Oct 2020 | Oct 2020 |


- Differing site conditions and design review delay have impacted scheduled completion of AUR contract.

\* FFGA scheduled completion

## POTENTIAL RISKS

- AUR contract was Terminated for Convenience and Metro Board approved transfer of remaining AUR work to Design-Build contract on April 30, 2015. Mitigation measures and close schedule coordination efforts are being implemented and alternative plans are being evaluated by RCC and Metro (High risk →).
- NEPA Law suits could potentially delay the construction of Design-Build Contract on Flower Street. MTA is working with FTA to complete supplemental NEPA process by the end of August 2015 (Med. Risk ↑).
- Adequate Staffing (Med risk →).

# I-405 Sepulveda Pass Improvement Project





|  <b>BUDGET</b> | Original | Current | Forecast* |
|---|----------|---------|-----------|
| Total Cost (\$ mil.)  | 1,034    | 1,141   | 1,256     |




- Interim forecast increase of \$115 million reflects increases to the following items:
    - Merited Provisional Sums
    - Merited Claims
    - 3<sup>rd</sup> Party/MCA
    - Arbitration costs
  - Caltrans support & other Professional Services
- \*Does not include Claim 86






|  <b>SCHEDULE</b> | Original | Current  | Forecast |
|---|----------|----------|----------|
| Project Complete  | May 2013 | Sep 2015 | Sep 2015 |

- The substantial completion close-out process is taking longer than anticipated due to the complexity of the project and unresolved issues

## POTENTIAL RISKS

- Wall 1985 design not in conformance with Caltrans Specs (High Risk )
- Forecast does not include non-merited Claim 86 or any new claims yet to be brought forward by contractor (High Risk )
- Slope paving under Bridges (Medium Risk )
- Additional Caltrans and Professional Services costs (Medium Risk )

 On target  
  Possible problem  
  Major issue


 Risk is Decreasing (Improving)  
  Risk is Increasing (Worsening)  
  Risk is Unchanged since last month  
  New Risk

# Universal City Station Pedestrian Bridge



## BUDGET

|                      | Original | Current | Forecast |
|----------------------|----------|---------|----------|
| Total Cost (\$ mil.) | 20       | 27      | 27       |

- No issues to report.






## SCHEDULE

|                  | Original | Current  | Forecast |
|------------------|----------|----------|----------|
| Project Complete | Jan 2016 | May 2016 | May 2016 |

- No issues to report.

## POTENTIAL RISKS

- Escalator delivery by early September is necessary for time completion of construction (Medium Risk )
- Currently mitigating escalator cost claim submitted by the contractor. (High Risk )
- Contractor has submitted revised schedule indicating significant reduction in construction delays. However, the overall schedule could still be delayed slightly due to the restricted construction periods and the Traffic Control requirements . (Medium risk )



On target



Possible problem



Major issue



Metro



Risk is Decreasing (Improving)



Risk is Increasing (Worsening)




Risk is Unchanged since last month




New Risk



# MOL to MRL North Hollywood Connector



|  <b>BUDGET</b> | Original | Current | Forecast |
|---|----------|---------|----------|
| Total Cost (\$ mil.)  | 17       | 23      | 23       |




- No issues to report.






|  <b>SCHEDULE</b> | Original | Current  | Forecast |
|---|----------|----------|----------|
| Project Complete  | Jan 2016 | May 2016 | May 2016 |

- No issues to report.

## POTENTIAL RISKS

- Timely delivery by escalator manufacturer is necessary for timely completion of construction (Medium Risk )
- Unforeseen site conditions during underground construction (Medium risk ).

 On target    Possible problem    Major issue

  Risk is Decreasing (Improving)    Risk is Increasing (Worsening)    Risk is Unchanged since last month    New Risk

# Metro Blue Line Station Refurbishments



## BUDGET

|                      | Original | Current | Forecast |
|----------------------|----------|---------|----------|
| Total Cost (\$ mil.) | 33       | 33      | 33       |

- No issues to report.



## SCHEDULE

|                  | Original | Current  | Forecast |
|------------------|----------|----------|----------|
| Project Complete | Mar 2016 | Mar 2016 | Mar 2016 |

- Contractor continues to work on week nights and weekends
- 15 out of 21 stations completed
- Trying to accelerate the schedule to meet Rail Ops needs

## POTENTIAL RISKS

- Limited construction window for each station (High risk →).
- Bus bridge cost (High risk →).
- Contractor lost time claim due to Metro Rail Operations not able to provide the planned work time frame (High risk →).
- Unable to provide sufficient Contractor storage area due to Metro's need in some of the yard space.- (Low risk ↓).



On target



Possible problem



Major issue



Metro



Risk is Decreasing (Improving)



Risk is Increasing (Worsening)



Risk is Unchanged since last month




New Risk

# Patsaouras Plaza Busway Station









|  <b>BUDGET</b> | Original | Current | Forecast |
|---|----------|---------|----------|
| Total Cost (\$ mil.)  | 17       | 31      | 37.6     |

- Received request for change (RFC) for cost impacts due to tunnel/foundation conflicts and other issues. Currently under evaluation and negotiation by Metro.

|  <b>SCHEDULE</b> | Original  | Current  | Forecast |
|---|-----------|----------|----------|
| Project Complete  | June 2014 | Mar 2017 | Mar 2017 |

- Schedule for construction start and final completion delayed due to right-of-way, environmental, and permitting issues with Caltrans. Risk high for further delay.

## POTENTIAL RISKS

- Environmental issues with soil and groundwater could lead to additional investigations and delays (High risk ).
- Processing encroachment permit application for proposed potholing, CCTV inspections, traffic control within State ROW, and ROW certifications (High risk ).
- Potential budget impacts due to: Preliminary Engineering design errors/omissions and potential change cost exposure. (High risk ).
- Timely approval of final design drawings through Caltrans (Medium risk ).
- Potential unforeseen and difficult underground conditions during construction of bridge foundations (Medium risk ).
- Relocation of fiber optics communication lines prior to construction (Low risk ).

# Division 13 Bus Maintenance Facility







|  <b>BUDGET</b> | Original | Current | Forecast |
|---|----------|---------|----------|
| Total Cost (\$ mil.)  | 95       | 120     | 120      |

- No issues to report

|  <b>SCHEDULE</b> | Original  | Current   | Forecast  |
|---|-----------|-----------|-----------|
| Project Complete  | July 2014 | July 2015 | Sept 2015 |

- Delays due to issues with ventilation system and other punch list items.

## POTENTIAL RISKS

- Timely closeout of punch list items (Medium risk ).
- Finalizing public artwork “Lantern” installation (Medium risk ).
- Design errors and changes during interior construction (Low risk ).
- Timely installation of new Metro Drive traffic signal (Low risk ).

# P3010 Rail Car Vehicle Procurement



| <b>BUDGET</b>        | *Original | **Current | **Forecast |
|----------------------|-----------|-----------|------------|
| Total Cost (\$ mil.) | \$342     | \$972     | \$972      |

- \*Budget for 78 Base Order Cars
- \*\*Budget for 97 Options 1 & 4 Cars and 60 Options 2 & 3 Cars
- Board approved an LOP Budget increase of \$263 million in April to exercise Options 2 & 3

| <b>SCHEDULE</b>  | Original | Current  | Forecast |
|------------------|----------|----------|----------|
| Final Acceptance | Jan 2017 | Feb 2019 | Feb 2019 |

- No issues to report.

## POTENTIAL RISKS

- Schedule is very aggressive and any impacts to critical activities could result in delayed deliveries. (Medium risk ).
- Timely conduct of on-site design conformance testing. Coordination meetings are being conducted to mitigate potential issues. (Low risk ).
- Timely execution of Contract Modification (CM). Currently good progress is being made. (Low risk ).

On target    Possible problem    Major issue

Risk is Decreasing (Improving)    Risk is Increasing (Worsening)    Risk is Unchanged since last month    New Risk

# Gold Line Foothill Extension (Phase 2A)



| <b>BUDGET</b>        | Original | Current | Forecast |
|----------------------|----------|---------|----------|
| Total Cost (\$ mil.) | 690      | 741     | 741      |

- No issues to report.

| <b>SCHEDULE</b> | Original | Current  | Forecast |
|-----------------|----------|----------|----------|
| Rev. Operation  | Nov 2016 | May 2016 | Mar 2016 |

- Metro has agreed to early acceptance of Maintenance & Operating Facility.

## POTENTIAL RISKS

- Metro is assessing operational scenarios related to opening of this project by March 2016 (Low risk ).

On target  
 Possible problem  
 Major issue

Risk is Decreasing (Improving)  
 Risk is Increasing (Worsening)  
 Risk is Unchanged since last month  
 New Risk

# Gold Line Foothill Extension (Phase 2A)




## RECENT ACTIVITIES/ISSUES


- Construction is approximately 95% complete
- Civil work complete
- Track installation complete
- Architectural work ongoing at stations
- Systems
  - OCS complete
  - Train control system complete
  - Communications system complete
- Maintenance Facility
  - Facility is substantially complete
  - Held dedication ceremony on May 23, 2015
- Testing
  - Continue systems integration testing (SIT)
  - Continue OCS and train control local field acceptance testing (LFAT)
  - Continue communications LFAT

# Exposition Phase II






|  <b>BUDGET</b> | Original | Current | Forecast |
|---|----------|---------|----------|
| Total Cost (\$ mil.)  | 1,511    | 1,511   | 1,511    |




- No issues to report.






|  <b>SCHEDULE</b> | Original | Current  | Forecast |
|---|----------|----------|----------|
| Rev. Operation  | Nov 2016 | Apr 2016 | Apr 2016 |

- No issues to report.

## POTENTIAL RISKS

- Delays associated with Trackwork, systems installation and testing, Maintenance Facility) (Med risk .
- Delay in energizing the Traction Power Substation at the OMF (Med risk .
- Metro is assessing operational scenarios related to opening this project by April 2016 (Low risk .

 On target    Possible problem    Major issue

  Risk is Decreasing (Improving)    Risk is Increasing (Worsening)    Risk is Unchanged since last month    New Risk



# Exposition Phase II



## RECENT ACTIVITIES/ISSUES


- Design is 99% complete and construction 92% complete
- The mainline and OMF contracts are forecasting Substantial Completion dates of Dec 1 and Nov 4 respectively.
- The contractors, Metro and Expo are working to develop interim milestones that will allow for Pre-Revenue operations to begin in the September to October timeframe and have the OMF facility available to accept LRT vehicles in September.
- The contractor experienced larger than expected settlement at one of the MSE wall locations due to an extensive clay layer.
  - The contractor has received proposals and is finalizing scope and cost with 2 geotechnical firms for soil stabilization measures to halt the settlement.
  - This work can be done concurrently with the systems installation and is not anticipated to affect the current schedule.
  - There have been no issues with the wall panels due to the settlement.

# Project Status Sheets




**CRENSHAW/LAX TRANSIT PROJECT**

**As of May 2015**

|   |                       |                        |                         |  |                   |                     |                       |
|---|-----------------------|------------------------|-------------------------|--|-------------------|---------------------|-----------------------|
| <b>LOCATION:</b> Crenshaw Blvd at Exposition to Green Line<br><b>DESIGN/CONSULTANT:</b> Hatch Mott MacDonald  |                       |                        |                         | <b>CONSTRUCTION MANAGEMENT CONSULTANT:</b> Stantec<br><b>CONTRACTOR:</b> Walsh-Shea Corridor Constructors (WSCC)   |                   |                     |                       |
| <b>PROJECT PHOTO:</b> Clearing for Utility Investigation and Guideway Installation at Florence Between Centinela and Redondo.   |                       |                        |                         | <b>WORK COMPLETED PAST MONTH:</b>  |                   |                     |                       |
|    |                       |                        |                         | <ul style="list-style-type: none"> <li>o WSCC continued final design.</li> <li>o WSCC continued pile installation for UG#1 near LAX airport runways.</li> <li>o WSCC completed abutment piles at Century Station Bridge.</li> <li>o WSCC continued La Brea Ave bridge abutment work.</li> <li>o WSCC commenced pile installation at UG#4 on Crenshaw Blvd.</li> <li>o WSCC completed pile installation at Vernon Station.</li> <li>o WSCC completed utility support in place under street decking and continued excavation of station box at MLK Station.</li> <li>o WSCC continued station excavation to 2nd tier level at Expo Station.</li> <li>o Metro continued real estate acquisitions with focus on partial-takes and temporary construction easements.</li> </ul> |                   |                     |                       |
| <b>EXPENDITURE STATUS</b><br>(\$ In Millions)   |                       |                        |                         | <b>SCHEDULE ASSESSMENT</b>   |                   |                     |                       |
| <b>ACTIVITIES</b>   | <b>CURRENT BUDGET</b> | <b>EXPENDED AMOUNT</b> | <b>PERCENT EXPENDED</b> | <b>MAJOR SCHEDULE ACTIVITIES</b>   | <b>PRIOR PLAN</b> | <b>CURRENT PLAN</b> | <b>VARIANCE WEEKS</b> |
| <b>DESIGN</b>   | \$ 136.7              | \$ 102.1               | 74.7%                   | <b>Environmental</b>   |                   |                     |                       |
|   |                       |                        |                         | FBS/FEIR   | Sep-11            | Sep-11              | Complete              |
|   |                       |                        |                         | Record of Decision   | Dec-11            | Dec-11              | Complete              |
| <b>RIGHT-OF-WAY</b>   | \$ 127.4              | \$ 108.7               | 85.3%                   | <b>Design</b>  |                   |                     |                       |
| <b>CONSTRUCTION</b>   | \$ 1,353.1            | \$ 329.8               | 24.4%                   | Preliminary Engineering  | Nov-11            | Nov-11              | Complete              |
|   |                       |                        |                         | Final Design   | Sep-15            | Nov-15              | 2.9 months behind     |
| <b>OTHER</b>  | \$ 440.8              | \$ 107.7               | 24.4%                   | <b>Right-of-Way</b>  |                   |                     |                       |
| <b>TOTAL</b>  | \$ 2,058.0            | \$ 648.2               | 31.5%                   | Full take parcels available  | Jan-15            | Jan-15              | Complete              |
| Note: cost expended as of May 2, 2015.  |                       |                        |                         | Part-take and TCE parcels  | Sep-15            | Sep-15              | On schedule           |
| <b>AREAS OF CONCERN</b>   |                       |                        |                         | <b>Construction</b>  |                   |                     |                       |
| <ul style="list-style-type: none"> <li>o Third party relocations prior to design-builder's construction.</li> <li>o Design-builder's ability to mitigate schedule delays.</li> <li>o Design-builder's schedule does not accurately forecast its work efforts.</li> <li>o Timely review of WSCC's design submittals by City of Los Angeles, City of Inglewood, Caltrans, FAA and LAWA.</li> <li>o LAWA's work windows for design-builder near LAX.</li> <li>o New proposed 96th street station cost/schedule impacts.</li> <li>o Execution of Agreement with City of Inglewood.</li> </ul> |                       |                        |                         | D-B Notice to Proceed  | Sep-13            | Sep-13              | Complete              |
|   |                       |                        |                         | D-B Substantial Complete   | Oct-18            | Feb-19              | 4.2 months behind     |
|   |                       |                        |                         | Revenue Service Date   | Oct-19            | Oct-19              | On schedule*          |
|   |                       |                        |                         | The D-B Substantial Complete prior plan was modified by a 35 day concurrent delay contract modification in March 2015.   |                   |                     |                       |
|   |                       |                        |                         | *Note: Current Revenue Service Date includes a reduction in contingency.   |                   |                     |                       |
| <b>ROW ACQUISITION</b>  | <b>PLAN</b>           | <b>ACQUIRED</b>        | <b>REMAINING</b>        | <b>CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD</b>  |                   |                     |                       |
| FULL TAKES  | 35                    | 35                     | 0                       | <ul style="list-style-type: none"> <li>o WSCC continue excavation to 2nd tier level at Expo Station.</li> <li>o WSCC continue station box excavation at MLK Station.</li> <li>o WSCC commence decking operation at Vernon Station.</li> <li>o WSCC continue working on Century, Imperial, La Brea and Manchester aerial structures.</li> <li>o WSCC commence pile installation at I-405 bridge</li> <li>o WSCC commence pile installation for UG#3 on Crenshaw Blvd</li> <li>o WSCC complete pile installation for UG#1 near airport runway.</li> <li>o Metro issue notice-to-proceed for Division 16 Southwestern Yard.</li> </ul>  |                   |                     |                       |
| PARTIAL TAKES   | 27                    | 15                     | 12                      |  |                   |                     |                       |
| TEMPORARY EASEMENTS   | 12                    | 8                      | 4                       |  |                   |                     |                       |
| <b>TOTAL PARCELS</b>  | <b>74</b>             | <b>58</b>              | <b>16</b>               |  |                   |                     |                       |

**WESTSIDE PURPLE LINE EXTENSION SECTION 1 PROJECT**

**As of May 2015**


|   |                       |                        |                         |  |                   |                     |                       |
|---|-----------------------|------------------------|-------------------------|--|-------------------|---------------------|-----------------------|
| <b>LOCATION:</b> Los Angeles / Beverly Hills  |                       |                        |                         | <b>CONSTRUCTION MANAGEMENT CONSULTANT:</b> WEST, a Joint Venture   |                   |                     |                       |
| <b>DESIGN CONSULTANT:</b> Parsons / Brinckerhoff  |                       |                        |                         | <b>CONTRACTOR:</b> Skanska, Traylor and Shea, a Joint Venture  |                   |                     |                       |
| <b>Setting Power Vault on Wilshire</b>  |                       |                        |                         | <b>WORK COMPLETED PAST MONTH</b>   |                   |                     |                       |
|    |                       |                        |                         | <ul style="list-style-type: none"> <li>- Continuing real estate acquisitions</li> <li>- C1045 Design/Build: Final design underway for five of six design units</li> <li>- C1045 Design/Build: Revision to Baseline Schedule in progress</li> <li>- C1045 Design/Build: Wilshire/Western TBM Shaft 60% design review complete</li> <li>- C1045 Design/Build: Wilshire/La Brea SOE 85% design package in review</li> <li>- C1045 Design/Build: Geotechnical exploration field work underway</li> <li>- C1045 Design/Build: La Brea alley relocation complete</li> <li>- C1055 Wilshire/Fairfax AUR: Waterline and power work continues</li> <li>- C1056 Wilshire/La Cienega AUR: Power utility relocation on Wilshire continues</li> </ul> |                   |                     |                       |
| <b>EXPENDITURE STATUS</b><br>(\$ In Millions)   |                       |                        |                         | <b>SCHEDULE ASSESSMENT</b>   |                   |                     |                       |
| <b>ACTIVITIES</b>   | <b>CURRENT BUDGET</b> | <b>EXPENDED AMOUNT</b> | <b>PERCENT EXPENDED</b> | <b>MAJOR SCHEDULE ACTIVITIES</b>   | <b>PRIOR PLAN</b> | <b>CURRENT PLAN</b> | <b>VARIANCE WEEKS</b> |
| <b>DESIGN</b>   | \$157.7               | \$74.8                 | 47.4%                   | <b>Environmental</b>   |                   |                     |                       |
|   |                       |                        |                         | FEIS / FEIR  | N/A               | 05/31/12            | Complete              |
| <b>RIGHT-OF-WAY</b>   | \$175.6               | \$112.3                | 64.0%                   | <b>Design</b>  |                   |                     |                       |
| <b>CONSTRUCTION</b>   | \$1,737.4             | \$153.5                | 8.8%                    | PE Notice to Proceed   | N/A               | 01/12/11            | Complete              |
|   |                       |                        |                         | Final Design complete  | 03/22/17          | 03/22/17            | 0                     |
| <b>OTHER</b>  | \$1,078.7             | \$80.7                 | 7.5%                    | <b>Right-of-Way</b>  |                   |                     |                       |
| <b>TOTAL</b>  | <b>\$3,149.4</b>      | <b>\$421.3</b>         | <b>13.4%</b>            | All parcels available  | 12/31/15          | 12/31/15            | 0                     |
| Current Budget includes Environmental/Planning and Finance Costs.   |                       |                        |                         | <b>Construction - Main Design / Build Contract</b>   |                   |                     |                       |
| <b>AREAS OF CONCERN</b>   |                       |                        |                         | Notice to Proceed  | 01/12/15          | 01/12/15            | Complete              |
| Timely resolution of the CEQA and NEPA law suits. CEQA Judge ruled in favor of Metro's position on the Beverly Hills Unified School District and City of Beverly Hills law suits, and both petitioners have appealed the ruling. Judge to schedule oral argument. U.S. District Court Judge has taken the December 2014 hearing for summary judgment off the calendar and has yet set a new date. |                       |                        |                         | Construction complete  | 11/08/23          | 11/08/23            | 0                     |
|   |                       |                        |                         |  |                   |                     |                       |
| <b>ROW ACQUISITION</b>  | <b>PLAN</b>           | <b>ACQUIRED</b>        | <b>REMAINING</b>        | <b>CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD</b>  |                   |                     |                       |
| PERMANENT PARCELS   | 14                    | 5                      | 9                       | <ul style="list-style-type: none"> <li>- C1045 Design/Build: Final design continuing</li> <li>- C1045 Design/Build: TBM procurement</li> <li>- C1045 Design/Build: La Brea utility work to begin</li> <li>- C1045 Design/Build: La Brea North site preparation</li> <li>- C1045 Design/Build: Demo of buildings La Brea, Fairfax staging sites</li> <li>- C1055 Wilshire/Fairfax AUR: Power work complete MS#2</li> <li>- C1055 Wilshire/Fairfax AUR: Water line construction continuing</li> <li>- C1056 Wilshire/La Cienega AUR: Power relocation work continues</li> </ul>  |                   |                     |                       |
| TEMPORARY PARCELS   | 4                     | 1                      | 3                       |  |                   |                     |                       |
| <b>TOTAL PARCELS</b>  | <b>18</b>             | <b>6</b>               | <b>12</b>               |  |                   |                     |                       |



|  |                       |                        |                         |   |                     |                     |                       |
|--|-----------------------|------------------------|-------------------------|---|---------------------|---------------------|-----------------------|
| <b>LOCATION:</b> Downtown Los Angeles<br><b>DESIGN CONSULTANT:</b> Connector Partnership JV  |                       |                        |                         | <b>CONSTRUCTION MANAGEMENT CONSULTANT:</b> ARCADIS<br><b>CONTRACTORS:</b> Regional Connector Constructors, Joint Venture (C0980)  |                     |                     |                       |
| <b>Pile Installation at Mangrove Yard (TBM Launch Pit)</b>   |                       |                        |                         | <b>WORK/ACTIVITY COMPLETED PAST MONTH</b>   |                     |                     |                       |
|   |                       |                        |                         | <ul style="list-style-type: none"> <li>RCC submitted 85% Civil Design package and Central Avenue 20" water relocation.</li> <li>RCC submitted Hope and Broadway Sts. SOE Final Design Packages for approval.</li> <li>RCC started pile installation for TBM Launch Pit at the Mangrove Yard.</li> <li>RCC installed a transformer and switchgear for a Substation at the Mangrove Yard.</li> <li>RCC completed a Water Bypass Tie-in on 5th/Flower.</li> <li>RCC completed a Pre-Con Survey to photograph existing conditions at the World Trade Center at 3rd St. and Flower.</li> <li>Metro completed review of 60% Traction Power and Communication, 100% Shoofly Supplemental and Specifications, and Advance AFC Specifications Design Packages.</li> <li>Metro completed review of Bored Tunnel 85% Design and 100% Specifications.</li> </ul>  |                     |                     |                       |
| <b>EXPENDITURE STATUS (\$ In Millions)</b>   |                       |                        |                         | <b>SCHEDULE ASSESSMENT</b>  |                     |                     |                       |
| <b>ACTIVITIES</b>  | <b>CURRENT BUDGET</b> | <b>EXPENDED AMOUNT</b> | <b>PERCENT EXPENDED</b> | <b>MAJOR SCHEDULE ACTIVITIES</b>  | <b>PRIOR PERIOD</b> | <b>CURRENT PLAN</b> | <b>VARIANCE WEEKS</b> |
| <b>DESIGN</b>  | \$119.2               | \$86.3                 | 72.3%                   | <b>Environmental</b><br>FBS / FBR N/A 04/26/12 Complete<br>SBS Flower St. N/A 08/31/15 In Progress  |                     |                     |                       |
| <b>RIGHT-OF-WAY</b>  | \$102.0               | \$47.4                 | 46.5%                   | <b>Design</b><br>PE Notice to Proceed N/A 01/04/11 Complete<br>Final Design complete 04/07/16 05/23/16 7  |                     |                     |                       |
| <b>CONSTRUCTION</b>  | \$1,009.8             | \$190.2                | 18.8%                   | Note: Based on the latest approved D/B Contractor's schedule, The Systems Design Package was delayed by seven weeks.  |                     |                     |                       |
| <b>OTHER</b>   | \$229.0               | \$61.2                 | 26.7%                   | <b>Right-of-Way</b><br>All parcels available 06/01/16 06/01/16 0  |                     |                     |                       |
| <b>TOTAL</b>   | \$1,460.0             | \$385.0                | 26.4%                   | Note: ROW dates are adjusted to reflect the latest D/B Contractor's coordinated need Dates. Duco Yard is not needed until 08/15/18.<br><b>Construction - Design / Build Contract</b><br>Notice to Proceed 07/07/14 07/07/14 Complete<br>Construction complete 08/28/20 8/28/20* 0<br>Revenue Service Date 10/27/20 10/27/20* 0<br>Note: * Based on the Board Meeting in April 2015, the project is reflecting six months potential delay due to additional AUR work transferred to C0980 Contract   |                     |                     |                       |
| Current Budget reflects Board approved Life-of-Project Budget and does not include Finance Charges.<br>Note: Expended amount is through 04/30/2015   |                       |                        |                         |   |                     |                     |                       |
| <b>AREAS OF CONCERN</b>  |                       |                        |                         | <b>CRITICAL ACTIVITIES / 3 MONTH LOOKAHEAD</b>  |                     |                     |                       |
| <ul style="list-style-type: none"> <li>NEPA Law suits could potentially delay the construction of C0980 Contract on Flower Street. The NEPA trial concluded on Feb. 24, 2014. In an order issued on May 29, 2014, Judge Kronstadt concluded the FBS did not sufficiently discuss alternative tunneling methods. FTA has approved draft SBS on May 27, 2015. It will be finalized after satisfactory resolution of public comments. Estimated completion is end of August 2015 before the D/B contractor is scheduled to commence cut-and-cover construction on Flower St. No impact is anticipated to D/B Contractor.</li> <li>Differing site conditions such as unknown utilities, restrictions on peak hour exemptions Traffic Control Plans approval delay have impacted scheduled completion of the Advanced Utility Relocation (AUR) work. C0981R contract was terminated for convenience and Metro Board approved transfer of work to C0980 on April 30, 2015. As the exploratory work continued and relocation plans are streamlined, more details on the impact and mitigation would be finalized working closely with DMP and RCC. Metro's current plan is to complete discovery/design in June, schedule integration (RCC) in July and final schedule analysis/negotiations in August 2015.</li> </ul> |                       |                        |                         | <ul style="list-style-type: none"> <li>RCC continues to set up the Mangrove and 1st/Central yards.</li> <li>RCC continues Storm Drain installation at the Mangrove and 1st/Central Yards.</li> <li>RCC will continue Potholing – Wye at 1st/Alameda.</li> <li>RCC continues pile installation for the TBM Launch Pit.</li> <li>RCC will begin potholing for a 24" water line alignment on Flower.</li> <li>RCC will begin preparation for AT&amp;T and MCI communication lowering at 2nd/Broadway.</li> <li>RCC continues potholing for a 48" Storm Drain at 6th/Flower, identified as critical.</li> <li>RCC continues preparation of submittals and traffic control plans, including weekly meetings with LADOT and City Council District 14.</li> <li>RCC continues with potholing at 2nd/Broadway and Flower St. to identify existing utilities and corridors for the remaining ductbank work.</li> <li>Level 3 and Verizon Business/MCI need to complete cable pulling and splicing on Flower St.</li> </ul> |                     |                     |                       |
| <b>ROW ACQUISITION</b>   | <b>PLAN</b>           | <b>ACQUIRED</b>        | <b>REMAINING</b>        |   |                     |                     |                       |
| <b>PERMANENT PARCELS</b>   | 5                     | 2                      | 3                       |   |                     |                     |                       |
| <b>TEMPORARY PARCELS</b>   | 29                    | 12                     | 17                      |   |                     |                     |                       |
| <b>TOTAL PARCELS</b>   | 34                    | 14                     | 20                      |   |                     |                     |                       |

**I-405 SEPULVEDA PASS IMPROVEMENTS PROJECT**

**As of May 2015**

|   |                       |                        |                         |  |                   |                     |                       |
|---|-----------------------|------------------------|-------------------------|--|-------------------|---------------------|-----------------------|
| <b>LOCATION: I-405 Sepulveda Pass Improvements Project</b>  |                       |                        |                         | <b>CONSTRUCTION MANAGEMENT CONSULTANT: Stantec</b>   |                   |                     |                       |
| <b>DESIGN/CONSULTANT: Kiewit (D/B)</b>  |                       |                        |                         | <b>CONTRACTOR: Kiewit (D/B)</b>  |                   |                     |                       |
| <b>PROJECT PHOTO</b>  |                       |                        |                         | <b>WORK COMPLETED PAST MONTH</b>   |                   |                     |                       |
| <b>Aerial View of Wilshire Interchange</b><br> |                       |                        |                         | <ul style="list-style-type: none"> <li>- Project Completion Walk-through with Contractor and Caltrans completed.</li> <li>- Contractor Correcting Non-Conforming work on Barriers and Walls</li> </ul> |                   |                     |                       |
| <b>EXPENDITURE STATUS</b>   |                       |                        |                         | <b>SCHEDULE ASSESSMENT</b>   |                   |                     |                       |
| <b>(\$ In Millions)</b>   |                       |                        |                         |  |                   |                     |                       |
| <b>ACTIVITIES</b>   | <b>CURRENT BUDGET</b> | <b>EXPENDED AMOUNT</b> | <b>PERCENT EXPENDED</b> | <b>MAJOR SCHEDULE ACTIVITIES</b>   | <b>PRIOR PLAN</b> | <b>CURRENT PLAN</b> | <b>VARIANCE WEEKS</b> |
| <b>DESIGN (Preliminary)</b><br>(PA&ED/PS&E)   | \$47.0                | \$47.0                 | 100.0%                  | <b>Environmental</b>   |                   |                     |                       |
| <b>RIGHT-OF-WAY</b><br>(Capital/Support/3rd Party)  | \$78.4                | \$71.5                 | 91.2%                   | End Environmental Phase (PA&ED)  | Mar-08            | Mar-08              | Complete              |
| <b>CONSTRUCTION</b><br>(Construction Support/Construction)  | \$1,013.4             | \$991.0                | 97.8%                   | <b>Design</b>  |                   |                     |                       |
| <b>Reversible Lane</b>  | \$2.6                 | \$1.5                  | 57.7%                   | End Design Support Phase (D/B)   | Sep-15            | Sep-15              | 0                     |
| <b>TOTAL</b>  | <b>\$1,141.4</b>      | <b>\$1,111.0</b>       | <b>97.3%</b>            | <b>Right-of-Way</b>  |                   |                     |                       |
|   |                       |                        |                         | ROW Certification  | Sep-15            | Sep-15              | 0                     |
| <b>AREAS OF CONCERN</b>   |                       |                        |                         | <b>Construction</b>  |                   |                     |                       |
| Cracks in Retaining Walls/Soil Nail Walls (Case 1 and Case 2)   |                       |                        |                         | Opening of SB I-405 Realignment  | May-14            | May-14              | Complete              |
| Slope Paving under Bridges 7, 8, & 20   |                       |                        |                         | Substantial Completion   | Sep-15            | Sep-15              | 0                     |
| <b>ROW ACQUISITION (Caltrans)</b>   |                       |                        |                         | <b>CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD</b>  |                   |                     |                       |
| PARCELS AQUIRED   |                       |                        | 66                      | Application for Substantial Completion - Mid June 2015   |                   |                     |                       |
| PARCELS NOT AQUIRED (Salvation Army-Litigation Pending)   |                       |                        | 1                       | Project Wide Substantial Completion Acceptance - End of September 2015   |                   |                     |                       |
| DECERTIFIED PARCELS   |                       |                        | 12                      |  |                   |                     |                       |
| PAST DUE WITH NO APPARENT SCHEDULE IMPACT   |                       |                        | 0                       |  |                   |                     |                       |
| ADDITIONAL IMPACTS REQUIRING APPRAISAL MAPS   |                       |                        | 0                       |  |                   |                     |                       |
| <b>TOTAL REQUIRED PARCELS</b>   |                       |                        | <b>79</b>               |  |                   |                     |                       |

**METRO DIVISION 13**

**Bus Maintenance and CNG Fueling Facility**

**As of May 2015**

|                           |             |  |          |
|---------------------------|-------------|--|----------|
| <b>LOCATION:</b>          | Los Angeles | <b>CONSTRUCTION MANAGEMENT CONSULTANT:</b> | MARRS    |
| <b>DESIGN CONSULTANT:</b> | MDG         | <b>CONTRACTOR:</b>                         | McCarthy |

**PHOTO Federal Secretary Fox & CEO Phil Washington**



**WORK COMPLETED PAST MONTH**

- Completed installation of Artwork Lantern translucent panels
- Continued work commissioning elevators 2 of 3 accepted
- Continue testing fire alarm systems through buildings
- Continue interior build out of dry wall, sprinklers and MEP
- Continue sack and patch of concrete at upper levels
- Planted trees on Cesar Chavez Ave
- Completed installation of roofing systems
- Continue installation of permanent maintenance equipment
- Continue installation of City C&G, sidewalks along Cesar & Lyon
- Continue interior finishes in Transportation Building
- Obtained service for 10 inch fire/water line Cesa/Lyon Streets

**EXPENDITURE STATUS (\$ In Millions)**

**SCHEDULE ASSESSMENT**

| ACTIVITIES          | CURRENT BUDGET | EXPENDED AMOUNT | PERCENT EXPENDED |
|---------------------|----------------|-----------------|------------------|
| <b>DESIGN</b>       | 6.593          | 6.593           | 100.0%           |
| <b>RIGHT-OF-WAY</b> | 0              | 0               | n/a              |
| <b>CONSTRUCTION</b> | 88.8           | 81.98           | 92.3%            |
| <b>OTHER</b>        | 24.95          | 20.35           | 81.6%            |
| <b>TOTAL</b>        | 120.34         | 108.92          | 90.5%            |

| MAJOR SCHEDULE ACTIVITIES | PRIOR PLAN | CURRENT PLAN | VARIANCE (WEEKS) |
|---------------------------|------------|--------------|------------------|
| <b>Environmental</b>      |            |              |                  |
| Categorical Exemption     | Dec-09 A   | Dec-09 A     | Complete         |
| <b>Design</b>             |            |              |                  |
| Final Design              | Oct-09 A   | Oct-09 A     | Complete         |
| <b>Right-of-Way</b>       |            |              |                  |
| Not Applicable            | n/a        | n/a          | n/a              |
| <b>Construction</b>       |            |              |                  |
| Notice to Proceed         | Jul-12 A   | Jul-12 A     | Complete         |
| Construction Complete     | Jul-15     | Sep-15       | 8                |

Expenses as of 4/30/2015

**AREAS OF CONCERN**

- Commissioning of MEP systems
- Lighting leveles in low er level of parking garage
- Installation by Metro of ITS System throughtout buildings
- Low voltage, ITS, communication, etc. installation by Metro
- Approval of Fire Marshall to accept MEP systems
- Time to procure and install critical HVAC compenents

| ROW ACQUISITION      | PLAN | ACQUIRED | REMAINING |
|----------------------|------|----------|-----------|
| PERMANENT PARCELS    | 0    | n/a      | 0         |
| TEMPORARY PARCELS    | 0    | n/a      | 0         |
| <b>TOTAL PARCELS</b> | 0    | n/a      | 0         |

**CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD**

- Installation of owner supplied fumature
- Grind and overlay AC pavement of Cesa Chavez Ave by City
- Installation of the artwork lantern bird deterrent
- Procure & install starters for HVAC motors building C
- Complete State inspection punch list for 1 of 3 elevators
- Complete permanent stripping on Cesar & Vignes Streets
- Obtain Fire Marshall approval for systems to fuel CNG buses
- Obtain Fire Marshall approval to place fluits in lube tanks
- Continue installation of mechanical, electrical and plumbing
- Continue installing frames, doors, hardware and window glazing
- Continue commissioning of the MEP systems
- Continue installaion of the communication/ ITS systems by Metro
- Continue installation of photovoltaic panels