



**Regional Consultant  
Monthly Progress Report  
Bakersfield to Palmdale**

**For the Period of  
September 29 through October 26, 2012**

**Prepared by  
Scott Moorhouse, Project Manager**

**Submitted  
November 12, 2012**

## 1) Key Issues and Areas of Concern

### New Items

- a) **JV Contract Ceiling:** The Joint Venture (JV) contract with the California High-Speed Rail Authority (Authority), as modified, has a maximum value of \$119,985,612. The JV currently projects that this limit will be exceeded in February 2013. Notice has been given to the Authority of this impending contract value exceedance, and the JV will continue to monitor the remaining contract capacity. A contract modification to increase the contract amount is requested as soon as possible to avoid last-minute work slowdowns or stoppages related to the lack of contract capacity.
- b) **Potential Adjustment to Bakersfield to Palmdale ROD/NOD Target Dates:** The project management team (PMT) has informally advised that there may be an adjustment in the Bakersfield to Palmdale Record of Decision/Notice of Determination (ROD/NOD) date slipping the current April 28, 2014, milestone to a possible June 2015 time frame. A more formal notification should be forthcoming by mid-November. No specific direction was provided to stop ongoing work and the JV is continuing with both the current Annual Work Program (AWP) engineering and environmental tasks. Numerous engineering and environmental deliverables are scheduled for submission in November and December. The JV will prepare recommendations to the PMT on a Proposed Bakersfield to Palmdale Work Plan in response to the revised June 2015 ROD/NOD date.

### Ongoing Items

- c) **FY12/13 Notice to Proceed-2:** The JV is projected to run out of the funds authorized under the limited Bakersfield to Palmdale Notice to Proceed (NTP)-1 combined design budget (\$3,350,000) and acquisition budget (\$2,650,000) around the first or second week of November. The JV received direction from Wen Vongjesda that the design and acquisition budgets could be individually exceeded as long as the combined expenditures were within the limit of the total BP NTP-1 budget. Pursuant to the August 16, 2012, California High-Speed Rail Authority Management Executive Directive (MED-081612), the JV will cease conducting work when the NTP-1 budget is depleted unless a NTP-2 is received in time.
- d) **Geotechnical:** The geotechnical investigation work plan has been prepared for the In-Progress submittal. During the draft preparation phase of this work, preliminary cost estimates should be discussed with the PMT and engineering management team (EMT) for preparation of the Geotechnical Investigation change request. Site-specific geotechnical and tunneling conditions will be needed to develop procurement structural designs and costs.
- e) **Power Source:** Based on discussions with the PMT/EMT in August 2012, the JV continued to develop two options for traction power supply systems (TPSS). The JV and EMT are working collaboratively to develop options for routing the transmission lines to help expedite the process with Southern California Edison (SCE). The JV has jointly reviewed with the PMT the scope, schedule, and budget plan for incorporating the decision on power supply, which was expected by November 15, 2012, but the JV now

understands that a firm date is not available at present. The continued lack of an identified power source and transmission line alignments for bringing traction power to isolated mountain areas of this project section will affect the project schedule. The spring 2012 environmental survey season has ended, and the environmental team cannot complete the additional environmental field surveys needed to cover currently unknown alternative alignments for electrical transmission lines and associated access roads. Input from SCE is essential for identifying reasonable and likely power source locations and transmission line alignments(s) to one or more high-speed train (HST) substations in the Tehachapi Mountains. In the long-term, the lack of an identified power source and transmission line alignments in the Environmental Impact Report/Environmental Impact Statement (EIR/EIS) could affect the construction schedule. To date, the JV has only been authorized to discuss with SCE the impact of the HST on SCE's existing infrastructure. A number of useful meetings with SCE have already taken place to identify where the HST might affect SCE's existing transmission lines. The responsibility rests with the EMT to determine, in conjunction with SCE, the locations of the HST substations and SCE switching stations, as well as the alignments of new transmission lines for serving the HST substations.

- f) **California Energy Commission GIS Data:** The JV continues to wait for a reply to the Authority's request, made in November 2011, to the California Energy Commission (CEC) for geographic information system (GIS) data about natural gas and major electrical distribution lines. Obtaining this information as soon as possible would greatly assist the JV in completing the public utilities section of the Draft EIR/EIS.
- g) **Tier 1 Personnel:** The JV has identified additional key Tier 1 personnel who are required to augment or replace staff working on the project but is concerned that the approvals and denials are taking months. For example, the Personnel Request Form (PRFs) for Bob Shulock of Hatch Mott MacDonald dates back to October 26, 2011. The JV submitted a Tier 1 PRF for Rus Rudden of URS in September 2012. As Rus Rudden has been identified as the replacement for the Project Manager, the JV requests approval of the PRF as soon as possible. The delay in approving these personnel is affecting the allocation of resources to keep the project on schedule.

**2) Financial Reporting**

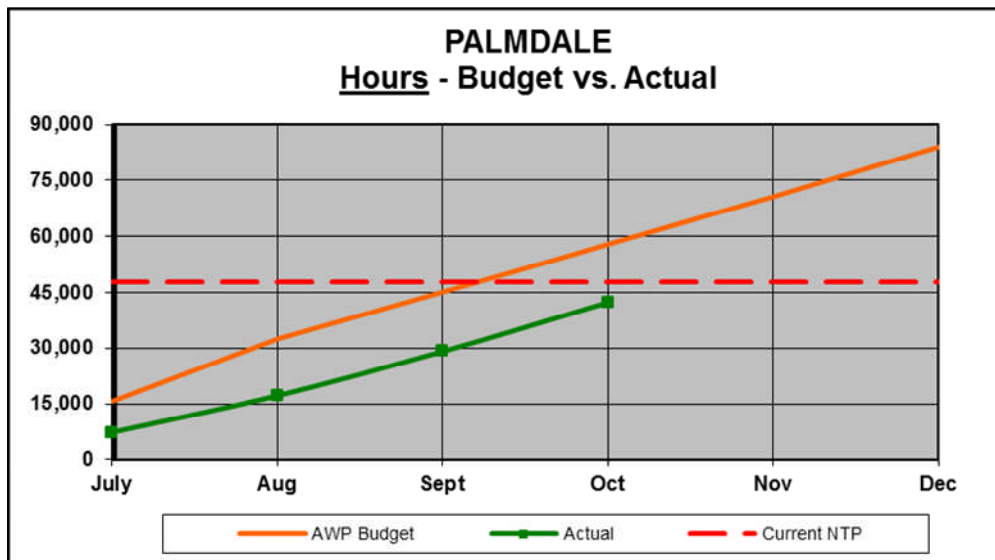
On July 27, 2012, NTP-1 for the Bakersfield to Palmdale Section was received, which provided a NTP budget of \$6,000,000 for FY12/13. The FY12/13 AWP-Version 3 budget of \$16,296,411 was used as the basis for reporting in the invoice and in the tables and charts below.

**a. Staff Hours Worked**

The period of performance is September 29 through October 26, 2012. Actual hours versus those planned by task for this reporting period and for the cumulative reporting period since July 1, 2012, are shown in the following table and chart. Figures for this current reporting period include actual hours for subconsultants.

**Hours Worked**

PALMDALE Task	October 2012			Cumulative Since 7/1/12		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	1,441	631	44%	5,513	2,781	50%
Task 2 - Public Outreach	821	363	44%	3,142	1,281	41%
Task 4 - Engineering	6,512	8,363	128%	24,797	29,721	120%
Task 5 - Environmental	4,071	3,844	94%	24,208	8,474	35%
Task 7 - DEIR/EIS	-	30	0%	239	117	49%
<b>Total</b>	<b>12,845</b>	<b>13,229</b>	<b>103%</b>	<b>57,899</b>	<b>42,374</b>	<b>73%</b>



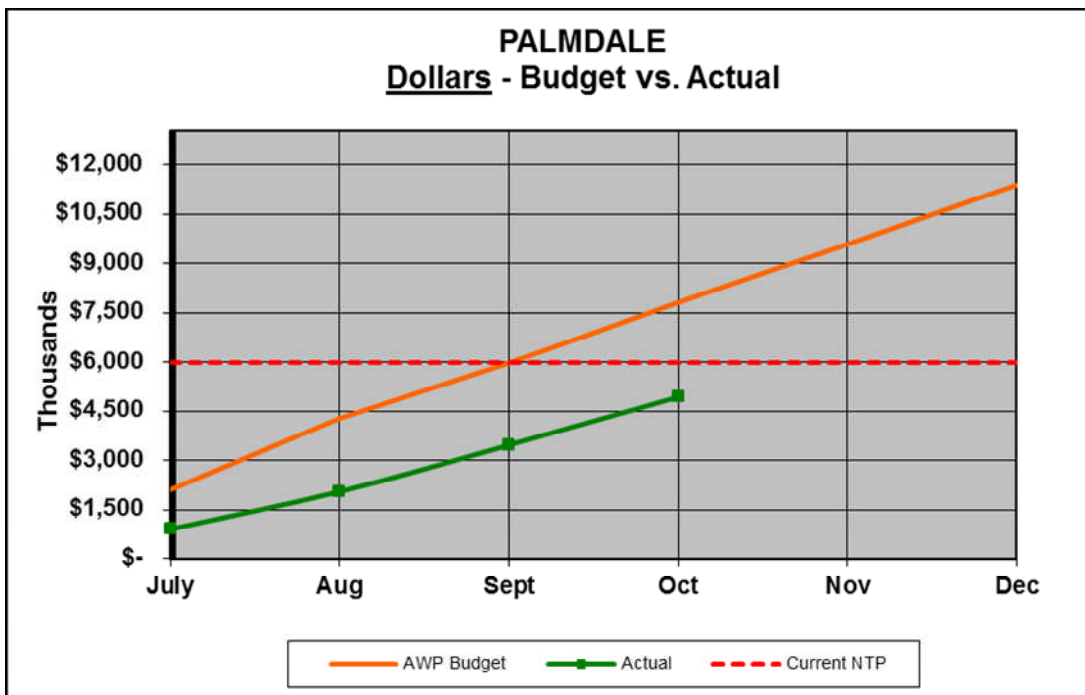
**b. Dollars Spent**

**Bakersfield-PALMDALE -URS/HMM/Arup JV Progress Report – October 2012**

The period of performance is September 29 through October 26, 2012. Actual dollars versus those planned by task for this reporting period and for the cumulative reporting period since July 1, 2012, are shown in the following table and chart. Figures for this current reporting period include actual expenditures for subconsultants. With the implementation of the revised reporting format, the amount reported for each task is for labor expenditures only. All non-labor expenditures have been grouped together and are reported as other direct costs (ODCs).

**Dollars Spent**

PALMDALE Task	October 2012			Cumulative Since 7/1/12		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	\$ 165,235	\$ 80,524	49%	\$ 632,204	\$ 360,556	57%
Task 2 - Public Outreach	\$ 82,299	\$ 41,490	50%	\$ 314,883	\$ 150,023	48%
Task 4 - Engineering	\$ 1,015,535	\$ 985,106	97%	\$ 3,873,719	\$ 3,597,013	93%
Task 5 - Environmental	\$ 460,363	\$ 351,897	76%	\$ 2,592,223	\$ 779,427	30%
Task 7 - DEIR/EIS	\$ -	\$ 1,922	0%	\$ 22,151	\$ 7,889	36%
ODCs	\$ 80,791	\$ 5,499	7%	\$ 358,746	\$ 34,115	10%
<b>Total</b>	<b>\$ 1,804,223</b>	<b>\$ 1,466,437</b>	<b>81%</b>	<b>\$ 7,793,927</b>	<b>\$ 4,929,023</b>	<b>63%</b>



**3) Deliverable Status and Summary Schedule**

Please see the attached supplemental tables and figures on the current schedule and status of deliverables:

- a) BP-URS-Sch-Env Milestones-Oct 2012 v1.xls      Environmental Milestones Report
- b) BP-URS-Deliverables Status-Oct 2012 v1.xls      Deliverables Status Table
- c) BP-URS-Sch-Summary-Oct 2012 v1.pdf      Summary Schedule
- d) BP-URS-Earned Value Report-Oct 2012 v1.pdf/.xls      Earned Value Report  
Hours/Dollars for the Fiscal Year  
Hours/Dollars for the Entire Project

#### 4) Key Developments and Accomplishments

##### Task 1 Management

###### 1.1 PM/PM Plan/Meetings/Coordination

- a) Continued coordination and communication with Mike Gillam, PMT Deputy Director-South, and Don Currie, PMT Regional Manager.
- b) Waited for approval of the PRF to add Rus Rudden.
- c) Continued biweekly regional consultant (RC) management team meetings with the PMT.

###### 1.2 Quality Assurance/Quality Control (QA/QC)/Safety/Risk

- a) Verified implementation of QA/QC reviews of deliverables.
- b) Held QA/QC team conference calls to inform members of project status.
- c) Held QA/QC training session for the JV team.

###### 1.3 Document Control

- a) Continued review of JV website functionality and document control procedures to optimize performance and usability.
- b) Continued to manage the web-based system to conduct internal reviews of documents and work products as specified in the Document Control Plan.
- c) Continued to post documents for PMT and Authority review on ProjectSolve.

###### 1.4 Schedule, Budget, and Progress Reports

- a) Continued management of work progress, schedule, cost/budget, staffing, and deliverables tracking.
- b) Submitted multiple PRFs, packages and Travel Request Forms (TRFs), and received provisional approvals.
- c) Submitted Invoice 6.13 for trailing FY11/12 expenditures on October 8, 2012.
- d) Submitted September 2012 Progress Report with supplemental information on October 10, 2012, and invoice 7.03 on October 11, 2012.
- e) Worked with Authority staff, as requested, to resolve short-pay issues and to provide information.

###### 1.5 Risk Management

- a) Reviewed the Risk Register.

##### Task 2 Public Outreach

###### 2.1 Participation Plan

- a) No activity this period.

###### 2.2 California HST Project (CHSTP) Agency Coordination Plan

- a) Participated in biweekly coordination conference calls, hosted by Valerie Martinez, with the Southern California regional outreach team.
- b) Participated in the biweekly PMT/JV Bakersfield to Palmdale PMT meeting.
- c) Developed the Bakersfield to Palmdale Title VI Annual Report and delivered the report to the Authority on October 30, 2012.

**2.3 Maintain Stakeholder Database**

- a) Continued ongoing updates to the Bakersfield to Palmdale stakeholder contact database in preparation for future direct-mailing activities.
- b) Responded to stakeholder requests for information.

**2.4 Memoranda of Understanding**

Not applicable.

**2.5 Stakeholder Meetings and Briefings**

- a) On October 9, facilitated a stakeholder meeting with Plant 42 to discuss logistics and methodologies for conducting vibration testing on the Plant 42 site with the Plant 42 site manager.
- b) On October 10, facilitated a stakeholder meeting with the Rosamond Community Services District general manager, to discuss alignment impacts and roadway impacts on the city of Rosamond.
- c) On October 10, facilitated a stakeholder meeting with City of Lancaster planning and public works staff to discuss alignment impacts and roadway impacts on the city of Lancaster.
  - a. On October 10, facilitated a stakeholder meeting with City of Lancaster planning and public works staff to discuss alignment impacts and roadway impacts on the city of Palmdale.

**2.6 Other Outreach**

- a) Held weekly Bakersfield to Palmdale outreach team coordination/strategy conference call.
- b) Participated in the weekly Central Valley outreach team coordination conference call.
- c) Planned and coordinated logistics for future stakeholder outreach activities, including activities with the Palmdale to Los Angeles outreach team.

**2.7 Create/Distribute Media/Newsletters**

- a) Provided draft language for a Bakersfield to Palmdale specific fact sheet to the Authority on October 11, 2012.
- b) Updated project informational materials.

**Task 3 Project Definition**

Task is complete.

**Task 4 Engineering**

**Task 4.1 – Infrastructure 15%**

**4.1.01 Survey and Mapping**

- a) No activity this period.

**4.1.02 Alignment**

- a) Continued draft 15% alignments drawing production incorporating revised comments following the PMT/EMT 15% In-Progress Comment/Resolution meeting held on October 25, 2012. Commenced the internal QC of the draft 15% alignment drawing sheets.



- b) Commenced the draft 15% alignments report.
- c) Participated in outreach meetings held with the City of Lancaster, Rosamond, and Palmdale.
- d) Participated in the Interdisciplinary Design Review (IDR) meeting undertaken on October 25, 2012.
- e) Continued development of options for a maintenance of infrastructure (MOI) siding within Tehachapi Subsection.

#### **4.1.03 Temporary Construction Facilities**

- a) Continued working on the temporary construction facilities for the Constructability Assessment Memorandum (CAM).

#### **4.1.04 Stations**

No stations in this section.

#### **4.1.05 Bridges and Elevated Structures**

- a) Substituted the structure at Bealeville Road with an embankment where the HST crosses the White Wolf fault.
- b) Conducted seismic analysis of a short extension of the Tehachapi Creek fault that the HST alignment crosses. The analysis demonstrated that it will be acceptable to locate a HST structure to cross not only the fault but also the Union Pacific Railroad right-of-way.
- c) Substituted the structure at Monolith with an embankment to accommodate an MOI siding should this be the Operations Management Team's preferred location for a siding.
- d) Continued draft 15% HST structures drawings production incorporating revised comments following the PMT/EMT 15% In-Progress Comment/Resolution meeting held on October 25, 2012. Commenced the internal QC of the draft 15% HST structures drawing sheets.
- e) Participated in the IDR meeting undertaken on October 25, 2012.

#### **4.1.06 Tunnels**

- a) Continued draft 15% tunnels drawings production incorporating revised comments following the PMT/EMT 15% In-Progress Comment/Resolution meeting held on October 25, 2012. Commenced the internal QC of the draft 15% tunnel drawing sheets.
- b) Adjusted portal locations and tunnel lengths to accommodate recent adjustments made to the alignments and profile per comments from the EMT.
- c) Continued preparing a memo/report on the dynamic and fixed equipment envelope within tunnels. Inconsistencies between the directive drawings and technical memoranda require discussion with and clarification from the EMT.
- d) Developed a portal facilities matrix for individual portal locations. Further guidance/verification is required for requirements for short tunnels from EMT/PMT.
- e) Reviewed the geotechnical reports and provided guidance on potential sites where cuts can be reduced leading to a potential reduction in the environmental footprint.

- f) At the request of the PMT/EMT, recommended possible changes to tunnels, which are to be described in the Draft 15% Tunnel Design and Construction Report. This allows for a further reduction in the environmental footprint. Potential sites for tunnels will be proposed but no additional design will be provided for the draft 15% submittal.
- g) Reviewed the concepts of converting tunnels to cuttings in the case of the shorter tunnels, taking into account the environmental footprint and cost.
- h) Participated in the IDR meeting undertaken on October 25, 2012.

#### **4.1.07 Buildings**

- a) No activity this period.

#### **4.1.08 Grading/Earthworks and Borrow Sites**

- a) Continued with refinement of the preliminary summary of tunnel portals, bridge abutments, systems, and access locations based on grading, drainage, and geotechnical constraints and operational needs, including coordination with access road locations.
- b) Continued development of the Earthwork Management Report.

#### **4.1.09 Hydrology/Hydraulics/Drainage (HH&D)**

- a) Continued development of the draft 15% HH&D reports and figures.
- b) Responded to EMT/PMT comments on the In-Progress HH&D reports.
- c) Submitted the Draft 15% Stormwater Quality Report for detail check.

#### **4.1.10 Utilities**

- a) Continued to collect utilities data.

#### **4.1.11 Geotechnical**

- a) Responded to EMT/PMT comments on the In-Progress Geologic and Seismic Hazard, the Geological Field Reconnaissance Investigation, the Geotechnical Investigation Work Plan, and the Fault Hazard Evaluation reports.
- b) Continued work on the Preliminary Geotechnical Design Memorandum for Tunnels.
- c) Initiated work on the Preliminary Geotechnical Design Memorandum for HST Structures.
- d) Developed consistent Project Overview and Project Description language for all Task 4 engineering reports.
- e) Provided IDR comments on the DEIR/EIS Hazardous Materials and Wastes Technical Report (TR).

#### **4.1.12 Seismic**

- a) No activity this period.

#### **4.1.13 Right-of-Way**

- a) No activity this period.

#### **4.1.15 Roadway Plans and Structures**

- a) Continued Draft 15% Roadway Plans and Structures drawing production incorporating revised comments following the PMT/EMT 15% In-Progress

Comment/Resolution meeting held on October 25, 2012. Commenced the internal QC of the Draft 15% Roadways Plans and Structures drawing sheets.

- b) Continued analysis of options for access roads to tunnel portals, bridge abutments, and systems sites in the Caliente Creek, Keene, Tehachapi, and Mojave subsections. Access road grades (12% max.) and potential new access road ties to State Route 58 are topics that will need to be discussed with the PMT/EMT and stakeholders. (A report on the design approach and criteria for access roads will be submitted in early November.)
- c) Participated in the IDR meeting undertaken on October 25, 2012.
- d) Continued detailed studies of the proposed roadway crossings in Lancaster of an at-grade AE option to relocate the Metrolink station and connective elements.

## **Task 4.2 – Systems 15% Design**

### **4.2.1 Traction Power**

- a) Site tour was conducted during October 15–17, 2012, which was attended by PMT, EMT, and RC members. Various systems sites were visited, including TPSS, SRS, and other related sites.
- b) Locations for the systems sites have been identified based on the latest alignments and profiles. The submittal considered both two traction power substation (TPSS) options and three TPSS options, and where possible using the same land parcel for both. However, the final determination of the locations of TPSS facilities awaits direction from the EMT.
- c) Collaborated with EMT to develop proposed corridors from SCE substations to TPSS sites in an effort to initiate the necessary environmental fieldwork early next year, which would minimize the overall schedule impact.
- d) Participated in the IDR meeting undertaken on October 25, 2012.

### **4.2.2 PUC/Connections**

- a) No activity this period.

### **4.2.4 Communications**

- a) Continued locating radio sites between TPSS sites, interlocking houses, and tunnel portals.

### **4.2.5 Trackside Services**

- a) Continued investigations into locating trackside interlocking houses controlling turnouts and crossovers.

## **Tasks 4.3 through 4.6 – Not Used**

## **Task 4.7 – Capital Cost Estimates**

- a) Provided cost-estimating support for the 15% design.
- b) Developed construction material and equipment quantities to support the environmental air quality and noise and vibration analyses for the DEIR.

## **Task 4.99 Engineering Task Management**

- a) Led engineering team meetings for the Bakersfield to Palmdale design team.

- b) Chaired the Task 4 IDR meeting held on October 25, 2012.
- c) Monitored and updated design change and footprint change log.
- d) Prepared and reviewed change requests for additional services to AWP 3 as requested by the PMT.
- e) Reviewed and produced input to support materials and attended outreach meetings.
- f) Reviewed and commented on the environmental team draft TRs: Hazardous Materials, Wetlands Delineation, and Safety and Security.
- g) Conducted footprint coordination/clarification meetings. Developed procedures for footprint definition. Continued discussions on alternative power transmission corridors. Developed visual simulation of viaducts adjacent to the Chavez Center. Reviewed project description developed by the environmental team.

#### **Integration Management**

- a) Continued maintenance of footprint change log.
- b) Continued cross-review of TRs.
- c) Updated schedule of technical input from engineering to environmental to support environmental reports.

### **Task 5 Environmental Analysis**

#### **Task 5.1 – Management and Coordination**

- a) Continued project management tasks and team coordination.
- b) Continued coordination of project data needs.
- c) Attended engineering weekly meetings for coordination and integration.
- d) Attended U.S. Army Corp of Engineers conference call on October 11, 2012, to discuss jurisdiction over waters in the project area.

#### **Administrative Record**

- a) Continued preparations for compiling the administrative record.

#### **Checkpoint B**

- a) Continued revisions to Checkpoint B based on alignment changes and submitted to PMT for review and comment.

#### **Task 5.2 – Technical Reports (TRs)**

##### **5.2.0 No Action/No Project Alternative**

- a) No activity this period.

##### **5.2.01 Transportation and Traffic Analysis TR**

- a) Continued to revise the Palmdale Station analysis and format for consistency with the Palmdale to Los Angeles EIR/EIS language and format.
- b) Reviewed and updated references.

##### **5.2.02 Air Quality TR**

- a) Began analysis of the 2009 and 2035 traffic data as well as the land use data provided by the socioeconomics team.
- b) Continued development of the methodology and impact sections of the TR.

**5.2.03 Noise and Vibration TR**

- a) Continued coordination with the engineering team for conducting the transfer mobility testing at Plant 42. Permission to conduct testing is pending.
- b) Began conducting noise impact analysis. Coordinated with the Los Angeles to Palmdale team to obtain impact and mitigation information.
- c) Continued to update the list of noise-sensitive receivers that may be affected.
- d) Continued to develop the draft TR and began addressing ITR comments on subsections.

**5.2.04 Biological Resources and Wetlands TR**

- a) Attended conference call with PMT (Lynne Marie Whately, Andrew Bayne, and Mark McLoughlin) and USACE (Theresa Stevens) to discuss jurisdictional determination for project.
- b) Drafted impacts discussion and mitigation measures for Biological Resources and Wetlands TR.
- c) Responded to ITR comments on Wetlands and Waters Delineation Report, uploaded for PMT review and comment.
- d) Continued GIS modeling for impact analysis.

**5.2.05 Hydrology and Water Quality TR**

- a) Reviewed water resources engineering reports for content and consistency and FEMA 100-year creek flows near the alignment alternatives. Evaluated depth to groundwater in the project vicinity.
- b) Evaluated floodplain impacts and project construction and operation for water quality, hydrology, and groundwater impacts.
- c) Draft TR submitted for ITR.

**5.2.06 Geology, Soils, and Seismicity TR**

- a) Resumed revision of draft TR and addressed comments from ITR.

**5.2.07 Hazardous Materials and Wastes TR**

- a) Completed draft Hazardous Materials TR and submitted to PMT for review and comment.

**5.2.08 Community Impact Assessment (CIA) TR**

- a) Completed parcel analysis.
- b) Began work on calculations for impacts on property (property displacement assessment – residential and commercial).
- c) Began impact analysis for property tax and sales tax.
- d) Began drafting preliminary impacts assessment section of TR.
- e) Revised environmental justice baseline analysis.

**5.2.09 Relocation Impact Assessment TR**

- a) Completed drafting preliminary impacts assessment section of TR and submitted for ITR/DCR.

**5.2.10 Aesthetics and Visual Quality TR**

- a) Began preparations for visual simulation task, including confirmation of selected viewpoints and review of project modifications in those locations.

- b) Project design in vicinity of previously analyzed viewpoints in Tehachapi has changed substantially. Began to identify new simulation viewpoints.
- c) Began modification of baseline write-up and figures in light of new project alternatives.

**5.2.11 Cultural Resources TR**

- a) Continued to compare new project footprint against footprint used during survey activities in 2011; develop all figures for the ASR, including new APE map set.
- b) Began determination of which resources are potentially affected by new footprint and whether architectural surveys will be required.
- c) Began to finalize Draft Archaeological Survey Report (ASR), Historic Properties Survey Report (HPSR), and Historic Architecture Survey Report (HASR) based on new footprint made available from the engineering team.
- d) Began draft Paleontological Resources Report.

**Task 5.3 EIR/EIS Chapter 3 Sections**

**5.3.01 Transportation and Traffic Analysis**

- a) Made determination of school districts crossed by the project alternative.

**5.3.02 Air Quality**

- a) No activity this period.

**5.3.03 Noise and Vibration**

- a) No activity this period.

**5.3.04 EMI/EMF**

- a) Completed response to PMT comments.

**5.3.05 Public Utilities and Energy**

- a) Continued drafting Affected Environment and Environmental Consequences sections, including data for tables, figures, and the Water Usage Memorandum (Appendix item).

**5.3.06 Biological Resources and Wetlands**

- a) Continued impacts analysis and significance conclusions analysis.
- b) Continued revision of Affected Environment and Methods sections.

**5.3.07 Hydrology and Water Quality**

- a) No activity this period.

**5.3.08 Geology, Soils, and Seismicity**

- a) Resumed revisions to chapter section.

**5.3.09 Hazardous Materials and Wastes**

- a) Completed revisions to chapter section, resolved ITR comments, and submitted for DCR.

**5.3.10 Safety and Security**

- a) Completed revisions to the Safety and Security section to reflect the changes in the project footprint, addressed ITR and DCR comments, and uploaded for PMT review and comment.

**5.3.11 Community Impact Assessment**

- a) Reviewed draft section based on revised project footprint.

**5.3.12 Growth, Station Planning, and Land Use**

- a) Began to revise chapter section based on revised project footprint.

**5.3.13 Agricultural Lands**

- a) Completed revisions to chapter section with placeholders for pending information. Submitted to ITR and DCR, responded to comments, and uploaded for PMT review.

**5.3.14 Parks, Recreation, and Open Space**

- a) Completed revisions to chapter section and submitted for ITR.

**5.3.15 Aesthetics and Visual Quality**

- a) No activity this period.

**5.3.16 Cultural Resources**

- a) No activity this period.

**5.3.17 Regional Growth**

- a) Completed review of local and regional plans.
- b) Continued identifying data needs and preparing introductory discussion in chapter section.

**5.3.18 Cumulative Impacts**

- a) Continued outreach to local planning agencies for projects to be listed as well as for applicable mapping and environmental review documents for such projects.

**5.3.19 Section 4(f) and 6(f) Evaluations**

- a) Received Parks and Recreation data for incorporation into chapter section; continued preparation of Affected Environment section.

**Task 7 Draft/Final EIR/EIS**

**7.1 Administrative Draft**

- a) Continued to follow up in collecting engineering data needs for project operations, station details, tunnel information, construction information, and design features.
- b) Began review process of Project Summary; continued to update descriptions of alternatives in Chapter 2, Alternatives, with available revised footprint information; revised alternatives and naming conventions; and revised alignment profile descriptions.



## **5) Planned Activities for Next Period**

The activities reported in this section as “planned” are based on the scope of work established in FY12/13 AWP-Version 3. Additional work identified that was not included in FY12/13 AWP-Version 3 will be documented in Section 6 of this Monthly Progress Report.

### **Task 1 Management**

#### **1.1 PM/PM Plan/Meetings/Coordination**

- a) Continue to work with the PMT, including responding to requests for information/analysis and conducting biweekly management team meetings.
- b) Notify Authority and PMT that on November 5, 2012, Rus Rudden will become the JV Project Manager. Scott Moorhouse will continue as a special advisor.

#### **1.2 QA/QC/Safety/Risk**

- a) Continue to conduct QA/QC activities for deliverables, including verification of adherence to QA/QC Plan before submittal.

#### **1.3 Document Control**

- a) Conduct additional website refresher training for the JV team, as needed.
- b) Continue to manage posting and internal review of draft documents and work products as specified in the JV’s Document Control Plan.
- c) Continue to post documents for PMT and Authority review on ProjectSolve.

#### **1.4 Schedule, Budget, and Progress Reports**

- a) Submit invoice, progress reports and supplemental information, and schedule.
- b) Work with the Authority to clarify the process for approval and payment of outstanding non-labor items (such as travel, field supplies).
- c) Prepare and submit PRFs, TRFs, and CRFs, as needed.

#### **1.5 Risk Management**

- a) Review and contribute to Risk Register, as needed, per PMT direction.

### **Task 2 Public Outreach**

#### **2.1 Participation Plan**

- a) Update Participation Plan, as necessary.

#### **2.2 California HST Project (CHSTP) Agency Coordination Plan**

- a) Continue coordination with the PMT and Southern California outreach team.

#### **2.3 Maintain Stakeholder Database**

- a) Maintain database of stakeholder comments and inquiries, and respond to public requests for information.

#### **2.4 Memoranda of Understanding**

Not applicable.



**2.5 Stakeholder Meetings and Briefings**

- a) Plan, schedule, and facilitate additional stakeholder meetings with identified stakeholder groups, as appropriate, in support of preparing the Administrative Draft EIR/EIS.
- b) Support the Palmdale to Los Angeles regional outreach team in stakeholder outreach and coordination to Antelope Valley stakeholders.

**2.6 Other Outreach**

- a) Continue to provide outreach support to the management, engineering, and environmental task teams.
- b) Continue planning and coordination conference calls with the regional public outreach team and Southern California regional outreach team.
- c) Continue to respond to requests for project information from stakeholders and members of the public.

**2.7 Create/Distribute Media/Newsletters**

- a) Update BP collateral materials.

**Task 3 Project Definition**

Task is complete.

**Task 4 Engineering****Task 4.1 – Infrastructure 15%****4.1.1 Survey and Mapping**

- a) No work planned this period.

**4.1.2 Alignment**

- a) Update response to the PMT/EMT comments following the In-Progress Comment/Response Resolution meeting.
- b) Continue to review the environmental footprint and modify, as required.
- c) Submit draft 15% drawings.
- d) Submit draft 15% alignment report.
- e) Submit Draft 15% Design Variance Log.
- f) Attend outreach meetings with Metro/Metrolink and the public works departments of the cities of Lancaster and Palmdale.
- g) Continued development of options for an MOI siding.

**4.1.3 Temporary Construction Facilities**

- a) Continue working on the draft CAM report. Detailed discussion on constructability will not be included in the CAM report; instead, a section on constructability will be included in each of the structures and tunnels design reports.

**4.1.4 Stations**

- a) No stations in this section.

**4.1.5 Bridges and Elevated Structures**

- a) Submit draft 15% HST structures drawings.
- b) Submit draft 15% HST structures report.
- c) Continue analysis for complete structures.

**4.1.6 Tunnels**

- a) Submit draft 15% tunnels drawings.
- b) Submit draft 15% tunnels report.

**4.1.7 Buildings**

- a) Develop alternative maintenance of equipment facility sites (subject to the approval a change request).

**4.1.8 Grading/Earthworks and Borrow Sites**

- a) Continue 15% design.

**4.1.9 Hydrology/Hydraulics/Drainage (HH&D)**

- a) Submit draft 15% design HH&D reports and figures.

**4.1.10 Utilities**

- a) Submit draft 15% design utilities report.

**4.1.11 Geotechnical**

- a) Submit draft 15% design geotechnical reports.
- b) Provide IDR and comments on the DEIR Geology, Soils, and Seismicity TR.
- c) Provide support for preparation of the Earthworks Management report.

**4.1.12 Seismic**

- a) No activity this fiscal year.

**4.1.13 Right-of-Way**

- a) Begin parcel valuation estimates and preparation of the right-of-way report.

**4.1.15 Roadway Plans and Structures**

- a) Update response to the PMT/EMT comments following the In-Progress Comment/Response Resolution meeting.
- b) Continue to review the environmental footprint and modify, as required.
- c) Submit draft 15% drawings.
- d) Attend outreach meetings with Metro/Metrolink and the public works departments of the cities of Lancaster and Palmdale.
- e) Plan for outreach meetings with Caltrans, Kern County, and Los Angeles County.

**Task 4.2 – Systems 15%**

**4.2.1 Traction Power**

- a) Continue working collaboratively with EMT to determine TPSS sites.
- b) Continue 15% design.

**4.2.2 PUC/Connections**

- a) Continue working on strategy to determine high-voltage connection points to TPSS facilities.

**4.2.3 OCS – Not used**

**4.2.4 Communications**

- a) Continue 15% design.

**4.2.5 Trackside Services**

- a) Continue 15% design.

**Tasks 4.3 through 4.6 – Not used**

**Tasks 4.7 – Capital Cost Estimates**

- a) Meet with EMT estimators to discuss estimate approach and requirements for the development of new assemblies for tall structures and tunnels.
- b) Continue with cost-estimating support for the 15% design.
- c) Commence development of Draft 15% Quantities Basis of Estimate Report and master spreadsheet.

**Task 4.99 Engineering Task Management**

- a) Manage work required for completion of draft 15% deliverables.
- b) Lead engineering team coordination meetings.
- c) Attend outreach meetings.

**Integration Management**

- a) Continue maintenance of footprint change log.
- b) Continue cross-review of TRs.
- c) Initiate development of data for the Air Quality report.
- d) Coordinate with environmental team to develop power transmission corridor concept change request. Provide draft 15% documents to the environment team for review as developed.

**Task 5 Environmental Analysis**

**Task 5.1 – Management and Coordination**

- a) Continue management of environmental tasks and team coordination.
- b) Continue data and other coordination with engineering, the Palmdale to Los Angeles team, and the PMT.
- c) Continue to provide support to 15% design development, including evaluating the engineering schedule, status of engineering data needs, and revision of the EIR/EIS schedule based on the schedule for engineering inputs.
- d) Continue to provide TRs to the engineering team for review. Review draft 15% engineering reports and plans, as available. Work with engineering team to develop power transmission change request.

**Administrative Record**

- a) Continued preparations for compiling the administrative record.

**Checkpoint B**

- a) Revise draft based on PMT comments received.

**Task 5.2 – Technical Reports (TR)**

**5.2.0 No Action/No Project Alternative**

- a) Complete revisions based on PMT comments and submit to ITR.

**5.2.01 Transportation and Traffic Analysis TR**

- a) Submit draft report for ITR/detail check and submit to PMT.

**5.2.02 Air Quality TR**

- a) Anticipate receiving requested construction equipment data from engineering. Data may not be available until November 2012.
- b) Continue to draft TR and submit to ITR if complete.

**5.2.03 Noise and Vibration TR**

- a) Prepare for and conduct transfer mobility testing at Plant 42, pending approval.
- b) Complete update of the list of potential noise-sensitive receivers.
- c) Continue developing the draft TR.

**5.2.04 Biological Resources and Wetlands TR**

- a) Continue GIS modeling for impacts assessment.
- b) Continue updating draft write-up for Biological Resources TR.
- c) Address PMT comments on Wetlands Delineation report.

**5.2.05 Hydrology and Water Quality TR**

- a) Complete response to ITR comments and DCR and upload for PMT review.

**5.2.06 Geology, Soils, and Seismicity TR**

- a) Prepare revisions to figures and continue development of draft TR.

**5.2.07 Hazardous Materials and Wastes TR**

- a) Address comments from PMT and finalize deliverable.

**5.2.08 Community Impact Assessment TR**

- a) Complete draft TR and submit for ITR.

**5.2.09 Relocation Impact Assessment TR**

- a) Revise draft TR based on ITR/DCR comments

**5.2.10 Aesthetics and Visual Quality TR**

- a) Conduct field work to collect photography for new key viewpoints and prepare simulations.
- b) Continue development of environmental impacts section of the TR and submit for ITR.

**5.2.11 Cultural Resources TR**

- a) Continue to prepare ASR, HPSR, and HASR for ITR and submit to FRA and Authority for review; acquire draft paleontological report from paleo sub-consultant.

**Task 5.3 – EIR/EIS Chapter 3 Sections**

**5.3.01 Transportation and Traffic Analysis**

- a) Complete draft section and submit for ITR.

**5.3.02 Air Quality**

- a) Complete draft section and submit for ITR.

**5.3.03 Noise and Vibration**

- a) Begin drafting chapter section for Noise and Vibration.

**5.3.04 EMI/EMF**

- a) Post final draft to PMT.

**5.3.05 Public Utilities and Energy**

- a) Prepare GIS count of project conflicts with utilities along alignments, and prepare maps of utility infrastructure.
- b) Prepare draft section, and submit for ITR, DCR, and PMT review.

**5.3.06 Biological Resources and Wetlands**

- a) Continue revisions to chapter section.

**5.3.07 Hydrology and Water Quality**

- a) Begin revisions to chapter section.

**5.3.08 Geology, Soils, and Seismicity**

- a) Complete revisions to chapter section, submit draft to ITR/DCR, resolve comments, and upload to PMT for review and comment.

**5.3.09 Hazardous Materials and Wastes**

- a) Submit draft chapter section to PMT for review and comment.

**5.3.10 Safety and Security**

- a) Complete revisions to chapter section, submit draft to ITR/DCR, resolve comments, and upload for PMT review and comment.

**5.3.11 Community Impact Assessment**

- a) Begin drafting Affected Environment section of chapter section.

**5.3.12 Growth, Station Planning, and Land Use**

- a) Incorporate PMT comments, as appropriate.

**5.3.13 Agricultural Land**

- a) Incorporate pending information into chapter section as it becomes available and respond to PMT comments.

**5.3.14 Parks, Recreation, and Open Space**

- a) Revise chapter section based on internal review, submit for DCR, and upload for PMT review and comment.

**5.3.15 Aesthetics and Visual Quality**

- a) Review chapter section and begin revisions of Affected Environment section.

**5.3.16 Cultural Resources**

- a) Review chapter section and begin revisions of Affected Environment section.

**5.3.17 Regional Impacts**

- a) Continue drafting chapter section and submit for ITR/DCR.

**5.3.18 Cumulative Impacts**

- a) Complete outreach to local agencies and mapping of cumulative projects.
- b) Draft guidance memorandum for team regarding cumulative impacts analysis.
- c) Continue to compile data from local jurisdictions and incorporate information into the cumulative project list. Identify missing information.

**5.3.19 Section 4(f) and 6(f) Evaluations**

- a) Continue drafting Affected Environment section. Identify any Section 4(f) properties to be added to the study.

**Task 7 Draft/Final EIR/EIS**

**7.1 Administrative Draft**

- a) Update Project Description and Project Summary further based on new environmental footprint and associated project-specific information.
- b) Update Project Summary based on PMT review comments and on the information received from the Palmdale to Los Angeles team and the engineering team.

**6) Additional Scope to FY12/13 AWP-Version 3**

Following the submittal of AWP-Version 3, the JV has tracked additional work scope that was submitted or will be submitted via change request forms to adjust the FY12/13 budget to fund the work. Below is the summary table of the work items identified for a change request and the status of the change request.

Authority #	Title of Change Request	Total Change	PMT's Approval (Send to CCB)	Final CCB Approval
137	BRRF for Sierra Engineering	\$ -		
151	T3 Alternative Alignments (Tech Reports)	\$ 157,276		
pending	Outline Site Selection for MOI	\$ 49,000		
pending	VBN BRRF to support City of Lancaster	\$ 40,000		
	<del>System Site Tours</del>	<del>\$ 65,000</del>	Cancelled	
pending	Liaison to UPRR for ROW Issues	\$ 50,000		
pending	Power Transmission Corridor Eng/Env Analysis - Phase 1			
pending	Power Transmission Corridor Eng/Env Analysis - Phase 2			
pending	Power Transmission Corridor Eng/Env Analysis - Phase 3			