



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

**For the Period of
September 1 through September 28, 2012**

**Prepared by
Scott Moorhouse, Project Manager**

**Submitted
October 10, 2012**

1) Key Issues and Areas of Concern

New Items:

- a) **FY12/13 NTP-2:** The Joint Venture (JV) is projected to run out of the funds authorized under the limited Bakersfield to Palmdale (BP) Notice to Proceed-1 Design budget (\$3,350,000) around the first week of October, and to run out of the authorized Acquisition budget (\$2,650,000) about the first week in December. The JV received direction from Wen Vongjesda that the Design and Acquisition budgets could be exceeded as long as the expenditures were within the limit of the total BP NTP-1 budget. Pursuant to the August 16, 2012, California High-Speed Rail Authority (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.
- b) **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 project management team (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.

Ongoing Items:

- c) **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 in order 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 understands that a firm date is currently not available. 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, and 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.

- d) **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.
- e) **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 Deputy Project Manager who departed the team August 3, 2012, 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.
- f) **Invoice 7.03:** In order to deliver Invoice 7.02 on schedule, the JV partners billed only the hours for the first 4 weeks of August 2012 on Invoice 7.02. The JV has billed the hours that occurred August 27 through August 31, 2012, on Invoice 7.03.

2) Financial Reporting

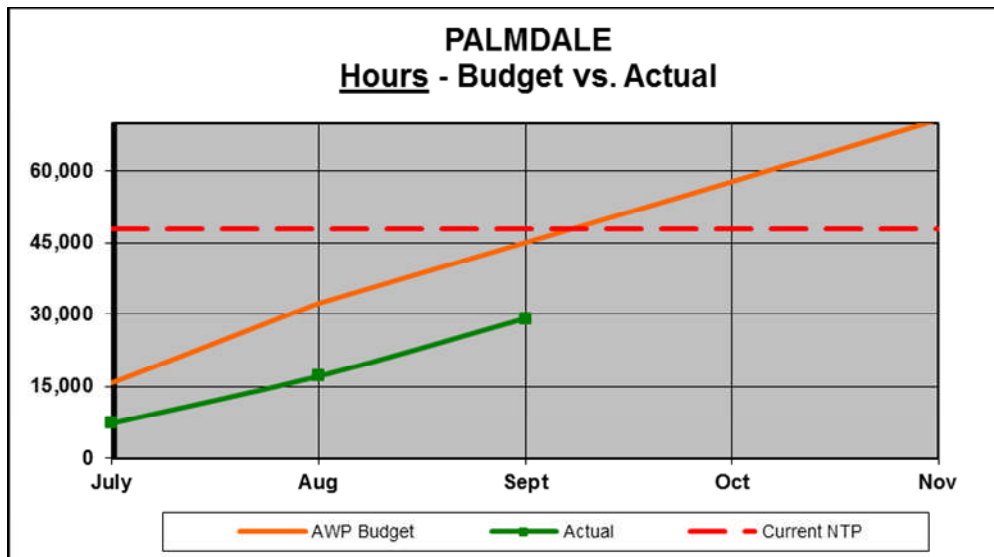
On July 27, 2012, NTP-01 for the Bakersfield to Palmdale Section was received, which provided a NTP budget of \$6,000,000 for FY12/13. The FY12/13 AWP-Version 3 budget of \$16,296,411 was used as the basis for reporting in the invoice and in the tables and charts below.

a. Staff Hours Worked

The period of performance is September 1 through September 28, 2012. In order to deliver Invoice 7.02 on schedule, the JV partners billed only the work hours for the first 4 weeks of August (August 1 through 24, 2012) on Invoice 7.02, and have billed the hours that occurred from August 27 through August 31, 2012, on Invoice 7.03. 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	September 2012			Cumulative Since 7/1/12		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	1,253	797	64%	4,072	2,151	53%
Task 2 - Public Outreach	714	332	47%	2,321	919	40%
Task 4 - Engineering	5,703	8,234	144%	18,285	21,358	117%
Task 5 - Environmental	4,981	2,476	50%	20,137	4,631	23%
Task 7 - DEIR/EIS	-	88	0%	239	88	37%
Total	12,651	11,927	94%	45,054	29,145	65%



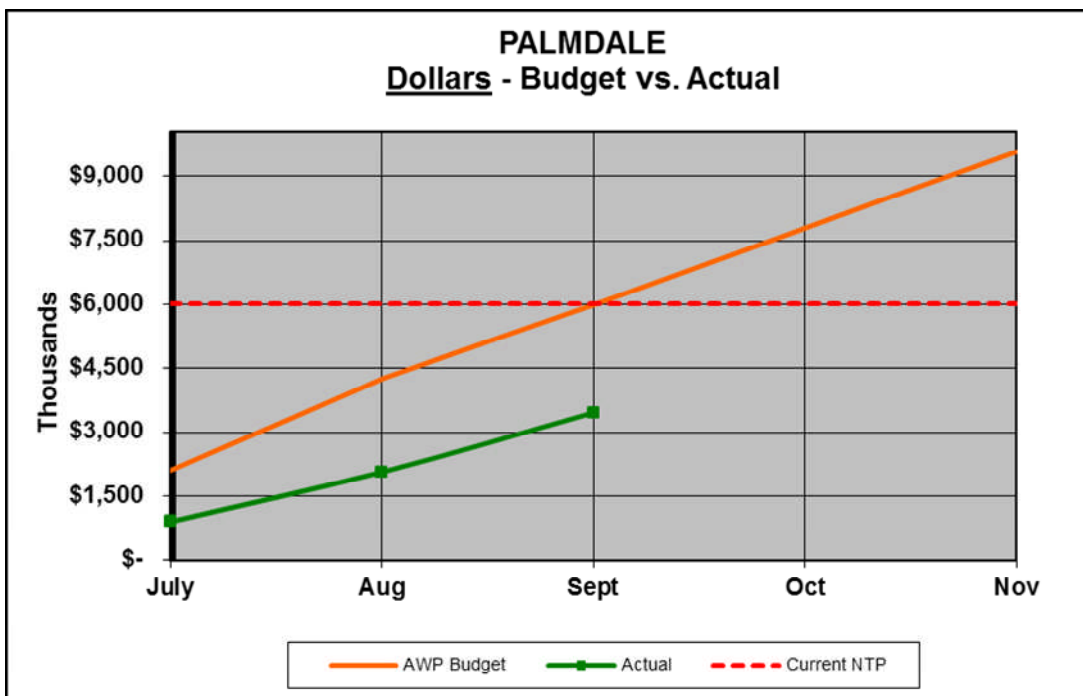
Bakersfield-PALMDALE -URS/HMM/Arup JV Progress Report – September 2012

b. Dollars Spent

The period of performance is September 1 through September 28, 2012. In order to deliver Invoice 7.02 on schedule, the JV partners billed only the work hours for the first 4 weeks of August on Invoice 7.02 and billed the hours that occurred August 27 through August 31, 2012, on Invoice 7.03. Actual dollars versus planned expenditures 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	September 2012			Cumulative Since 7/1/12		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	\$ 143,683	\$ 104,240	73%	\$ 466,969	\$ 280,033	60%
Task 2 - Public Outreach	\$ 71,564	\$ 40,041	56%	\$ 232,584	\$ 108,533	47%
Task 4 - Engineering	\$ 888,063	\$ 1,006,850	113%	\$ 2,858,184	\$ 2,611,908	91%
Task 5 - Environmental	\$ 534,593	\$ 224,455	42%	\$ 2,131,860	\$ 427,530	20%
Task 7 - DEIR/EIS	\$ -	\$ 5,967	0%	\$ 22,151	\$ 5,967	27%
ODCs	\$ 79,657	\$ 23,949	30%	\$ 277,955	\$ 28,616	10%
Total	\$ 1,717,561	\$ 1,405,501	82%	\$ 5,989,704	\$ 3,462,585	58%



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-Sep 2012 v1.xls Environmental Milestones Report
- b) BP-URS-Deliverables Status-Sep 2012 v1.xls Deliverables Status Table
- c) BP-URS-Sch-Summary-Sep 2012 v1.pdf Summary Schedule
- d) BP-URS-Earned Value Report-Sep 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) Received notification of the hiring of Michelle Boehm as the Southern California Regional Director and began providing requested information.
- c) Submitted the PRF to add Rus Rudden, who is proposed to replace David Marx, Project Deputy Director for the Bakersfield to Palmdale Section, who left URS on August 3, 2012.
- d) 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 lessons learned series of QA/QC training sessions for 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 August 2012 Progress Report with supplemental information on September 10, 2012, and invoice on September 11, 2012.
- d) Worked with Authority staff, as requested, to resolve short-pay issues and 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 conference calls, hosted by Valerie Martinez, with the Southern California Regional Outreach Team to coordinate outreach activities.

- b) Participated in the biweekly PMT/JV BP project management team meeting.

2.3 Maintain Stakeholder Database

- a) Continued ongoing updates to BP 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) Planned for stakeholder meetings scheduled to be held October 8 through October 12, 2012, and November 5 through November 9, 2012.
- b) Developed informational materials for scheduled stakeholder meetings.
- c) Planned and scheduled environmental justice briefings for October 1 through October 5, 2012, and refined and updated environmental justice outreach protocols.

2.6 Other Outreach

- a) Held weekly BP 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) 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) Received and responded to EMT 15% In-progress alignment comments.
- b) Continued refinement of vertical alignments through the White Wolf Fault zone for the Caliente Creek and Keene subsections.
- c) Refined the Keene horizontal alignment to reduce the skew of the Union Pacific Railroad (UPRR) crossing near the Tehachapi Creek Fault Zone.
- d) Refined the Caliente Creek alignments to provide additional buffer from State Route 58 between Edison and Caliente Creek.
- e) Set up environmental footprint change log to track design/footprint changes.
- f) Participated in outreach meetings held with the City of Lancaster, Kern Wind Energy Association, and the Los Angeles County Sanitation District.

- g) Adjusted the AE and AW alignments to accommodate future provision for improved Metrolink station within Lancaster.
- h) Adjusted the AE and AW alignments to accommodate future provision for Metrolink extension to Rosamond.
- i) Received EMT comment suggesting amended horizontal and vertical alignments north of Rosamond investigated and incorporated within AE, AW, and MO alignments.
- j) Amended MO vertical alignment to extend viaduct over Los Angeles Aqueduct and Aqueduct Road.
- k) Continued development of options for a maintenance of infrastructure (MOI) facility and began developing options for a maintenance of equipment facility with stabling sidings.
- l) Continued refinement of vertical alignments at floodplains within Antelope Valley.
- m) Continued to work with Palmdale to Los Angeles regional team to clarify tie in at Palmdale and to discuss how to resolve differing assumptions for environmental footprints.
- n) Completed engineering study of Bakersfield storage tracks in the Caliente Creek Subsection. Guidance was received to put storage tracks back in Bakersfield for Fresno to Bakersfield Section of the HST.

4.1.03 Temporary Construction Facilities

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

4.1.04 Stations

No stations in this section.

4.1.05 Bridges and Elevated Structures

- a) Resubmitted tall structures work plan.
- b) Responded to EMT comments on the in-progress HST structures roll plots.
- c) Continued development of 15% design of the HST structures.

4.1.06 Tunnels

- a) Responded to EMT comments on the in-progress tunnel roll plots.
- b) Continued development of 15% design of the tunnels.
- c) Adjusted portal locations and tunnel lengths to accommodate the adjustments made to the alignments and profile following comments from the EMT.
- d) Continued preparing memo on dynamic and fixed equipment envelope. Inconsistencies between directive drawings and Technical Memorandums require discussion with and clarification from the EMT.

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

- a) Continued work on the preliminary 15% design hydraulics and hydrology reports and figures.
- b) Submitted in-progress submittals of the preliminary hydraulics and hydrology reports and figures.

4.1.10 Utilities

- a) Continued to collect utilities data.

4.1.11 Geotechnical

- a) Submitted in-progress version of the Geologic and Seismic Hazard Report, including the preparation of 15% design level seismic design criteria. Continued work on the draft deliverable edition.
- b) Submitted in-progress version of the Geological Field Reconnaissance Investigation. Continued work toward draft deliverable edition.
- c) Submitted in-progress version of the Geotechnical Investigation Work Plan. Continued work toward draft deliverable edition.
- d) Submitted in-progress version of the Fault Hazard Evaluation report. Continued work toward draft deliverable edition.
- e) Initiated work on the Preliminary Design Report for Tunnels.
- f) Conducted a cursory fault hazard analysis on the Tehachapi Creek fault to determine rupture magnitude and recurrence intervals, and ultimately the viability of tall structures in the vicinity of the western branch of the fault.
- g) Provided geotechnical support to the structures, including soil springs for bridge foundations based on assumed soil profiles.

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) Responded to comments on the in-progress roadways roll plots.
- 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 EMT.
- c) Continued preparation of study of roadway crossings in Lancaster of an at-grade AE option for relocating the Metrolink station and connective elements.

Task 4.2 – Systems 15% Design

4.2.1 Traction Power

- a) Completed the in-progress submittal. 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, where possible using the same land parcel for both. However, the final determination of the locations of TPSS facilities awaits direction from the EMT.
- b) Attended workshop with EMT/PMT on September 10, 2012. 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.
- c) Reviewed plans for upcoming site tour, provisionally scheduled for week of October 15, 2012. Reviewed submittal roll plots to aid EMT/PMT in their review.

4.2.2 PUC/Connections

- a) Submitted in-progress roll plots.

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 15% design.

Task 4.99 Engineering Task Management

- a) Led weekly meetings for Bakersfield to Palmdale design team.
- b) Monitored and updated design change and footprint change log.
- c) Prepared and reviewed Change Requests for additional services to AWP 3 as requested by PMT.
- d) Reviewed and produced input to support materials and attended outreach meetings.

Integration Management

- a) Named Chris Adams as the Integration Manager for BP.
- b) Provided interim data for roadway crossings and structures to environmental team.
- c) Continued maintenance of footprint change log.
- d) Continued cross review of technical reports.
- e) 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 permissions to enter for project area properties.
- c) Continued coordination of project data needs with engineering, GIS, and the Los Angeles to Palmdale team.
- d) Attended engineering weekly meetings for coordination and integration.

Administrative Record

- a) Continued preparations for compiling the administrative record.

Checkpoint B

- a) Resumed work on Checkpoint B per direction received from Lynne Marie Whately, PMT, in late September. Revised text to reflect alignment changes and submitted for internal review.

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) Revised the Palmdale Station analysis and format from the Palmdale to Los Angeles EIR/EIS language and format for consistency.
- b) Reviewed and updated references.

5.2.02 Air Quality TR

- a) Began to review template for completeness, and format, date needed, and text revisions.

5.2.03 Noise and Vibration TR

- a) Coordinated with engineering team for conducting the transfer mobility testing at Plant 42. Permission to conduct transfer mobility testing on site is pending.
- b) Submitted the vibration data report to the stakeholders for Plant 42.
- c) Began to update the list of noise-sensitive receivers that may be affected.
- d) Requested detailed noise-sensitive receiver location information from GIS in order to conduct noise impact analysis, and are working with them to obtain distance and elevation information for each receiver to conduct noise impact calculations.
- e) Continued developing the draft Affected Environment section.

5.2.04 Biological Resources and Wetlands TR

- a) Continued revision of Affected Environment and Methods sections. Began development of impacts discussion.
- b) Continued GIS modeling for impact analysis.
- c) Completed independent technical review (ITR) of Wetlands and Waters Delineation Report.

5.2.05 Hydrology and Water Quality TR

- a) Compared stream designations in the new alignment profile with Water and Wetlands Delineation Report.
- b) Updated stream crossing information and descriptions of watersheds/streams, and continued impact evaluations.

5.2.06 Geology, Soils, and Seismicity TR

- a) No activity this period.

5.2.07 Hazardous Wastes and Materials TR

- a) Began evaluation of the impacts of additional geologic faults discovered along the alignment alternatives as related to hazardous materials and waste sites (potential environmental concern sites).
- b) Began revisions of the Draft Hazardous Materials TR.

5.2.08 Community Impact Assessment (CIA) TR

- a) Collected and entered bike path data for affected environment.
- b) GIS began analysis to determine parcels affected by alignment by community.
- c) Completed revisions of affected environment for CIA based on new footprint.

5.2.09 Relocation Impact Assessment TR

- a) Completed revisions of Affected Environment for draft Relocation Impact Report based on new footprint.

5.2.10 Aesthetics and Visual Quality TR

- a) No activity this period.

5.2.11 Cultural Resources TR

- a) Compared new project footprint against footprint used during survey activities in 2011 for determination of resources potentially affected by new footprint.
- b) Continued draft Archaeological Survey Report (ASR), and Historic Architecture Survey Report (HASR) based on new footprint made available from the engineering team.

Task 5.3 EIR/EIS Chapter 3 Sections

5.3.01 Transportation and Traffic Analysis

- a) Revised the Palmdale Station analysis from the Palmdale to Los Angeles EIR/EIS language and format for consistency with the Bakersfield Station analysis.

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 analysis for draft Affected Environment and Environmental Impact subsections.
- b) Began to respond to PMT comments received on draft section.

5.3.05 Public Utilities and Energy

- a) Followed up with municipalities, counties, and districts that had not yet provided low-risk infrastructure location information.
- b) Coordinated preparation of master utility data acquisition tracking list with engineering team.
- c) Compiled, organized, and provided data for other team members (engineering and GIS).
- d) Provided partial data to GIS lead for mapping and analysis.
- e) Continued drafting Affected Environment section and collecting data for tables, figures, and a Water Usage Memorandum.

5.3.06 Biological Resources and Wetlands

- a) Began impacts analysis and significance conclusions analysis.
- b) Reviewed White Wolf Conservation Easement draft guidance memo provided by the PMT.
- c) 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) Reviewed draft chapter section based on revised project footprint.

5.3.09 Hazardous Wastes and Materials

- a) Started revisions of the draft Hazardous Materials EIR/EIS section.

5.3.10 Safety and Security

- a) Began to revise the safety and security section to reflect the changes in the project footprint.

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 Land

- a) Began re-analysis of alternative based on new project footprint.
- b) GIS began calculation of new acreages for baseline and impact sections.
- c) Began revisions to chapter section based on new format and sections included in the Fresno to Bakersfield Revised Draft EIR/EIS (RDEIRS/DEIS).

5.3.14 Parks, Recreation, and Open Space

- a) Began drafting of final EIR section based on new project alignments.

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) Began identifying data needs and preparing introductory sections.

5.3.18 Cumulative Impacts

- a) Continued outreach to local planning agencies for input regarding the cumulative project list.

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

- a) Continued preparation of Affected Environment section of EIR chapter for 4(f) and 6(f).

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 updating Chapter 2, revising text and numbering/bullets for consistency with the Fresno to Bakersfield RDEIR/DEIS.
- c) Drafted alternative alignment profile descriptions with available revised footprint information, revised alternatives and naming conventions, revised 2012 Business Plan information, and tunnel information.

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.

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.
- b) Conduct additional make-up QA/QC training for the JV team.

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) Prepare final FY11/12 invoice for trailing expenditures.
- c) Work with the Authority to clarify the process for approval and payment of outstanding non-labor items (such as travel, field supplies).
- d) 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) Respond to PMT and EMT comments on in-progress submittal.
- b) Continue to review the environmental footprint and modify, as required.
- c) Continue production of plan/profile sheets incorporating any changes resulting from comments.
- d) Continue production of exhibits to support outreach efforts, including outreach to Lancaster, Metrolink, Los Angeles Sanitation District, and Union Pacific Rail Road (UPRR).
- e) Attend outreach meetings planned with the City of Lancaster, City of Rosamond, and City of Palmdale.
- f) Prepare drawing sheets for draft submittal.

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) Schedule comment resolution meeting.
- b) Continue 15% design structures.
- c) Prepare drawing sheets for draft 15% Design Report submittal.
- d) Continue analysis for complex structures.
- e) Submit In-Progress HST Structures 15% Design Report for over-the-shoulder review.

4.1.6 Tunnels

- a) Continue 15% design.
- b) Prepare drawing sheets for draft 15% Design Report submittal.
- c) Submit In-Progress Tunnels 15% Design Report for over-the-shoulder review.

4.1.7 Buildings

- a) Develop alternative maintenance of equipment facility sites (once change request is approved).

4.1.8 Grading/Earthworks and Borrow Sites

- a) Continue 15% design.

4.1.9 Hydrology/Hydraulics/Drainage (HH&D)

- a) Continue work on the preliminary 15% design hydraulics and hydrology reports and figures.

4.1.10 Utilities

- a) Continue the data collection of the high-risk utilities for 15% design.

4.1.11 Geotechnical

- a) Continue to reduce data from geologic reconnaissance of the alignments and deliver the 15% Draft Geologic Field Reconnaissance Report in November, 2012.
- b) Respond to EMT/PMT comments on in-progress September 7, 2012 report and incorporate Tehachapi Creek Fault Hazard Analysis into Fault Hazard Evaluation Report for 15% Draft on November 2, 2012.
- c) Respond to EMT/PMT comments on in-progress September 7, 2012 report and continue preparation of 15% Draft Geologic and Seismic Hazards Report for 15% Draft November 2, 2012.
- d) Prepare and deliver the In-Progress Geotechnical Investigation 15% Draft November 2, 2012.
- e) Continue preparation of preliminary geotechnical design reports for tall bridges and tunnels for 15% Draft November 2012.
- f) Provide support for preparation of BP HST Grading/Earthworks & Borrow Pits report.
- g) Continue to provide geotechnical support to the structures, tunnels, and HH&D teams.

4.1.12 Seismic

- a) No activity this fiscal year.

4.1.13 Right-of-Way

- a) No activity planned this period.

4.1.15 Roadway Plans and Structures

- a) Continue 15% design.
- b) Anticipate IDR and PMT meetings in October.
- c) Anticipate meeting with City of Lancaster and Metrolink to review station relocation and roadway crossing options for an at-grade AE.
- d) Anticipate additional meeting with Caltrans in September and with Kern County, Los Angeles County, the City of Rosamond, and the City of Lancaster in October 2012.

Task 4.2 – Systems 15%

4.2.1 Traction Power

- a) Continue working on strategy 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 requirement for the development of new assemblies for tall structures and tunnels.
- b) Continue with cost-estimating support for the 15% design.

Task 4.99 Engineering Task Management

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

Integration Management

- a) Continue maintenance of footprint change log.
- b) Continue cross review of technical reports.
- c) Initiate development of data for the Air Quality Report.

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 Palmdale to Los Angeles team.
- 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) Hold biweekly project team meeting with EIR/EIS task leads.

Administrative Record

- a) Continued preparations for compiling the administrative record.

Checkpoint B

- a) Revise draft based on comments received, submit to ITR, and submit to editing.

Task 5.2 – Technical Reports (TR)

5.2.0 No Action/No Project Alternative

- a) Complete revisions based on PMT comments, 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) Continue to update the list of noise-sensitive receivers that may be impacted.
- c) Receive detailed noise-sensitive receiver location information from GIS.
- d) Continue developing the draft Affected Environment section.

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 ITR comments on Wetlands Delineation Report, and submit to PMT.

5.2.05 Hydrology and Water Quality TR

- a) Begin impact evaluations.
- b) Complete draft of TR, submit for ITR and Detail Check Review (DCR), respond to comments, and upload for PMT review.

5.2.06 Geology, Soils, and Seismicity TR

- a) No activity planned this period.

5.2.07 Hazardous Wastes and Materials TR

- a) Continue revisions TR, submit for ITR, and respond to comments.

5.2.08 Community Impact Assessment TR

- a) Revise environmental justice baseline analysis and parcel impact property analysis.

- b) Complete draft TR, and submit for ITR.

5.2.09 Relocation Impact Assessment TR

- a) Complete draft TR, and submit for ITR.

5.2.10 Aesthetics and Visual Quality TR

- a) Resume preparation of visual simulations of project alternatives.
- b) Resume analysis of impacts.
- c) Resume development of environmental impacts section of the TR, and submit for ITR.

5.2.11 Cultural Resources TR

- a) Continue to prepare Archaeological Survey Report (ASR) and Historic Architecture Survey Report (HASR) for submittal to ITR and to Authority and Federal Railroad Administration to review.

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) No activity planned for this period.

5.3.03 Noise and Vibration

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

5.3.04 EMI/EMF

- a) Submit responses to comments from ITR and post final draft to PMT.

5.3.05 Public Utilities and Energy

- a) Prepare maps and conduct analysis of newly acquired utility crossing and facility location data, including rural areas.
- b) Prepare draft section, and submit for ITR and DCR.

5.3.06 Biological Resources and Wetlands

- a) Continue revision of Affected Environment and impacts discussions.

5.3.07 Hydrology and Water Quality

- a) No activity planned this period.

5.3.08 Geology, Soils, and Seismicity

- a) No activity planned this period.

5.3.09 Hazardous Wastes and Materials

- a) Continue revisions to chapter section, and submit draft for ITR.

5.3.10 Safety and Security

- a) Complete revision of final section based on new project alignment, and submit for ITR.

5.3.11 Community Impact Assessment

- a) No activity planned this period.

5.3.12 Growth, Station Planning, and Land Use

- a) Coordinate with of Fresno to Bakersfield Draft EIR/EIS Land Use section to ensure consistency.
- b) Incorporate alignment changes and submit draft for ITR.

5.3.13 Agricultural Land

- a) Continue re-analysis of alternative based on new project footprint.
- b) GIS to continue calculation of new acreages for baseline and impact sections.
- c) Complete revisions and submit final section for ITR.

5.3.14 Parks, Recreation, and Open Space

- a) Complete chapter section based on findings on revised footprints.
- b) Revise final for ITR.

5.3.15 Aesthetics and Visual Quality

- a) No activity planned for this period.

5.3.16 Cultural Resources

- a) No activity planned for this period.

5.3.17 Regional Impacts

- a) Continue drafting the introductory sections.

5.3.18 Cumulative Impacts

- a) Follow up with contacts at local agencies regarding requested information for cumulative projects list.
- b) 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 area based on revised footprints.

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.

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

Additional work noted as out of scope was documented through the change request process.

- CR-137: The JV's request to add Sierra Engineering Group to the Regional Consultant team as a subconsultant was approved by the Authority on August 31, 2012. \$100,000 of Task 4 budget will shift from Hatch Mott MacDonald to Sierra Engineering Group.
- CR-151: The JV submitted a change request to facilitate the environmental technical reports originally planned for completion by June 30, 2012, and that were not scoped in the FY12/13 AWP-Version 3, which now will be completed in FY12/13 (\$157,276).
- The JV submitted on October 2, 2012, a change request for work to outline site selection for the maintenance of infrastructure facility (\$49,000).
- The JV is currently preparing a change request for the following:
 - Provide station consulting service for the City of Lancaster as an early mitigation measure for impacts on the Metrolink Rail Station (\$40,000).
 - Conduct liaison work with UPRR regarding right-of-way issues (\$50,000).