



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

For the Period of  
**November 24 through December 28, 2012**

Prepared by  
**Russel Rudden, Project Manager**

Submitted  
**January 10, 2013**

## 1) Key Issues and Areas of Concern

### New Items

- a) **FY 12/13 Revised Work Plan for Balance of FY 12/13:** On December 7, 2012, the JV received direction from the Authority noting that the FY 12/13 AWP's would need to be adjusted to implement the Revised 2012 Business Plan. We were advised that our budgets may change and we would be receiving further guidelines from the PMT within the next few weeks. In response to the December 7 letter, the JV prepared a memo to the PMT on December 11, 2012 outlining how the JV thought we could move ahead with revising the balance of work for FY 12/13. The memo outlines a process and a number of assumptions including a ROD in the summer of 2015. The PMT responded on December 12, 2012 commenting on the process and providing further guidance on several of the assumptions regarding the revised scope of work and how to budget these efforts. The process envisioned the JV submitting scopes of work through the end of December, discussion between the JV and PMT in January and preparation of a Change Request by mid- February.
- b) **Joint Venture Invoice 7.06:** In order to meet the December 10, 2012, deadline for Invoice 7.05 and the Progress Report, two of the JV firms invoiced only the first 4 weeks of labor expenditures for November 2012 on Invoice 7.05. The JV firms have included the labor expenditures for the fifth week of November along with expenditures for all of December on Invoice 7.06. This Progress Report includes descriptions of work completed during the final week of November as well as during the entire month of December.

### Ongoing Items

- a) **JV Contract Ceiling:** The 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 approximately April 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 Record of Decision/Notice of Determination Target Dates:** The PMT has informally advised that there may be an adjustment in the Bakersfield to Palmdale ROD/Notice of Determination (NOD) date that would slip the current April 28, 2014, milestone to a possible June 2015 time frame. A more formal notification should be forthcoming. 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. A significant number of engineering and environmental deliverables were submitted in December. The balance of engineering deliverables will be provided in January and February. The environmental deliverables will continue through March. Some of the environmental deliverables are awaiting information from the PMT on rail passenger patronage to complete the analytic portion of the technical reports.
- c) **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. The PMT requested in their December 12, 2012 comments that the JV include in the revised FY12/13 work plan effort for gaining rights of entry to perform geotechnical investigations.

- d) **Traction Power Source:** On the basis of 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 is waiting for the decision on power supply for the high-speed train (HST) substations. The JV is preparing files showing proposed location of TPSS and other power related facilities to support the system. These files will be submitted to the EMT/PMT for SCE meetings in January 2013.

## 2) Financial Reporting

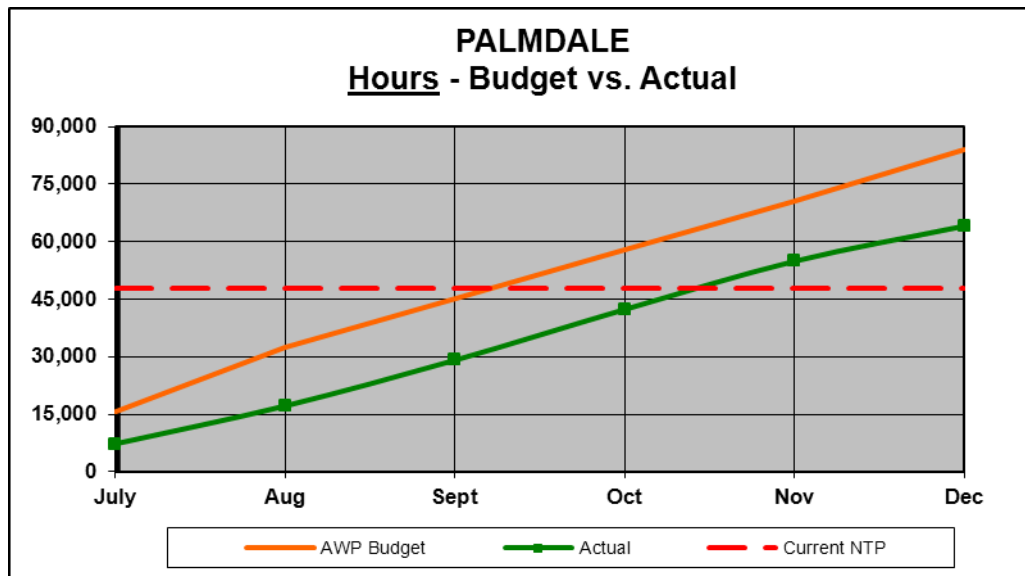
On July 27, 2012, NTP-1 for the Bakersfield to Palmdale Section was received, which provided a NTP budget of \$6,000,000 for FY12/13. On November 16, 2012, LNTP-01A authorized an additional expenditure of \$5,182,255, for a total not-to-be-exceeded value of \$11,182,255. The FY12/13 AWP-Version 3 budget 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 November 24, 2012, through December 28, 2012 (except for the subcontractors and one JV partner, Hatch Mott MacDonald, who billed through November 30). 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	December 2012			Cumulative Since 7/1/12		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	1,315	792	60%	6,891	3,991	58%
Task 2 - Public Outreach	750	173	23%	3,928	1,607	41%
Task 4 - Engineering	5,945	6,358	107%	31,026	45,449	146%
Task 5 - Environmental	2,380	1,819	76%	27,729	12,924	47%
Task 7 - DEIR/EIS	2,352	22	1%	940	143	15%
Task 8 - Certification/ROD	512	-	0%	257	-	0%
<b>Total</b>	<b>13,254</b>	<b>9,164</b>	<b>69%</b>	<b>70,771</b>	<b>64,114</b>	<b>91%</b>



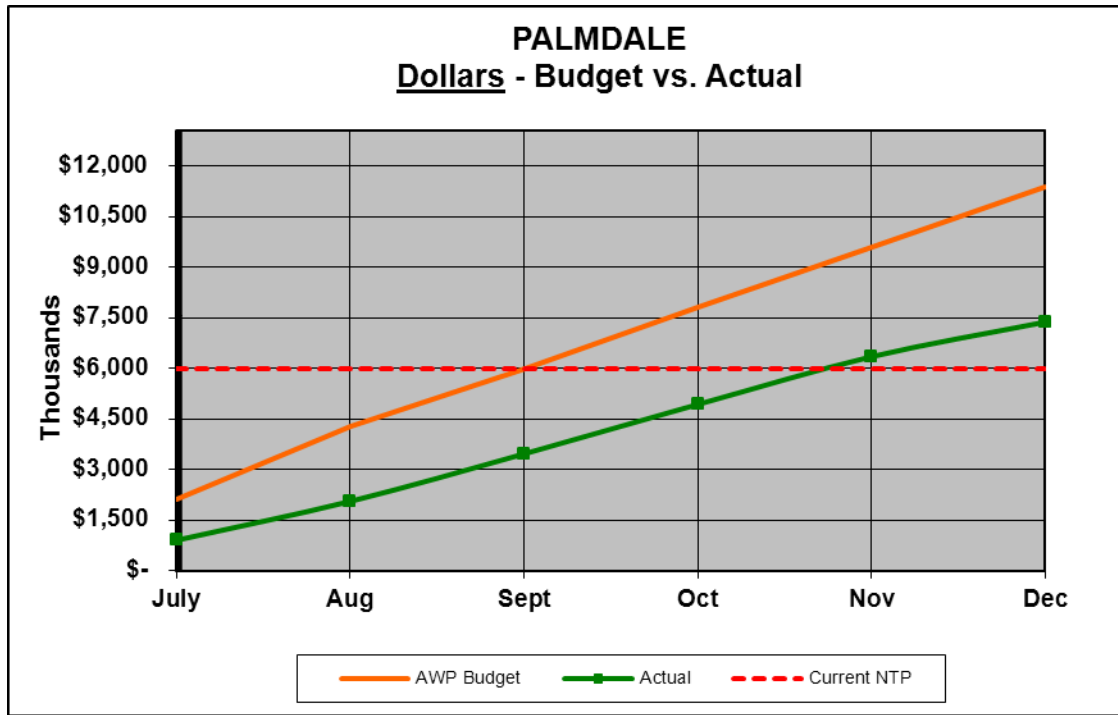
### b) Dollars Spent

The period of performance is November 24, 2012, through December 28, 2012 (except for the subcontractors and one JV partner, Hatch Mott MacDonald, who billed through November 30). 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	December 2012			Cumulative Since 7/1/12		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	\$ 150,867	\$ 105,358	70%	\$ 790,255	\$ 518,727	66%
Task 2 - Public Outreach	\$ 75,143	\$ 22,483	30%	\$ 393,604	\$ 191,996	49%
Task 4 - Engineering	\$ 927,227	\$ 733,603	79%	\$ 4,845,099	\$ 5,420,617	112%
Task 5 - Environmental	\$ 259,347	\$ 163,491	63%	\$ 2,988,182	\$ 1,189,596	40%
Task 7 - DEIR/EIS	\$ 231,139	\$ 2,020	1%	\$ 96,134	\$ 10,242	11%
Task 8 - Certification/ROD	\$ 48,295	\$ -	0%	\$ 23,899	\$ -	0%
ODCs	\$ 99,585	\$ 1,957	2%	\$ 444,697	\$ 40,287	9%
<b>Total</b>	<b>\$ 1,791,603</b>	<b>\$ 1,028,912</b>	<b>57%</b>	<b>\$ 9,581,871</b>	<b>\$ 7,371,465</b>	<b>77%</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-Dec 2012 v1.xls       | Environmental Milestones Report  |
| b) BP-URS-Deliverables Status Dec 2012 v1.xls      | Deliverables Status Table  |
| c) BP-URS-Sch-Summary-Dec 2012 v1.pdf              | Summary Schedule   |
| d) BP-URS-Earned Value Report-Dec 2012 v1.pdf/.xls | Earned Value Report<br>Hours/Dollars for the Fiscal Year<br>Hours/Dollars for the Entire Project |

## 4) Key Developments and Accomplishments

### Task 1 Management

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

- a) Continued 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) Continued to conduct QA/QC activities for deliverables, including verification of adherence to QA/QC Plan before submittal.
- b) Clarified QA/QC protocols for GIS.

#### 1.3 Document Control

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

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

- a) Submitted invoice, progress reports and supplemental information, and schedule.
- b) Worked with the Authority to clarify the process for approval and payment of outstanding non-labor items (such as travel and field supplies).
- c) Prepared and submitted personnel request forms (PRFs) travel request forms (TRFs), and change request forms CRFs, as needed.

#### 1.5 Risk Management

- a) Submitted an update to the quarterly risk register.

### Task 2 Public Outreach

#### 2.1 Participation Plan

- a) Developed a memo for the public outreach approach plan.

#### 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 BP management meeting
- c) On December 5, 2012, participated in the BP Alignment Briefing with the Authority, PMT, and EMT.

**2.3 Maintain Stakeholder Database**

- a) Continued ongoing response to stakeholder requests for information and public correspondence.

**2.4 Memoranda of Understanding**

Not applicable.

**2.5 Stakeholder Meetings and Briefings**

- a) On December 18, 2012, facilitated a stakeholder meeting with the City of Lancaster Planning Director. Meeting was to discuss ongoing coordination with the city on their plan for the development of a transit-oriented development (TOD) area around the existing Lancaster Metrolink station.
- b) On December 18, 2012, participated in a stakeholder meeting with the City of Palmdale in support of the Palmdale/Los Angeles (P/LA) team. The meetings were to discuss grade separation designs for grade separations through the city of Palmdale.
- c) Planned stakeholder meetings in the Antelope Valley for January 2013..

**2.6 Other Outreach**

- a) Held weekly BP outreach team coordination/strategy conference call.
- b) Participated in the weekly Central Valley outreach team call.
- c) Planned and coordinated logistics for future stakeholder outreach activities, including activities with the P/LA outreach team.
- d) Provided ongoing public outreach support to the BP engineering and environmental team.

**2.7 Create/Distribute Media/Newsletters**

- a) No activity took place during this period.

**Task 3 Project Definition**

Task is complete.

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

- a) No work was planned for this period.

**4.1.2 Alignment**

- a) Submitted Draft 15% Alignment Drawings.
- b) Developed Draft 15% Design Alignment Report (report to be submitted next month).
- c) Submitted Draft 15% Design Variance List.



- d) Prepared exhibits and attended outreach meetings with the public works department of the City of Palmdale.

#### **4.1.3 Temporary Construction Facilities**

- a) Submitted draft CAM report. (Note: Detailed discussion on constructability has not been 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 are located in this section.

#### **4.1.5 Bridges and Elevated Structures**

- a) Submitted Draft 15% Structures Drawings and Structures Report.
- b) Continued analysis of tall structures to address EMT comments arising from the in-progress submittal in September 2012.

#### **4.1.6 Tunnels**

- a) Submitted Draft 15% Tunnels Drawings.
- b) Submitted Draft 15% Tunnels Report.
- c) Evaluated geotechnical parameters at cuts to reduce extent of slopes at portals.
- d) Develop portal details and sections in conjunction with the EMT/PMT.
- e) Provided design variances to the EMT/PMT.

#### **4.1.7 Buildings**

- a) No work was planned for this month.

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

- a) Submitted Draft 15% Earthworks Management Report.

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

- a) Submitted Draft 15% Stormwater Management Quality Report, Flood Impact Report, and Hydrology, Hydraulics, and Drainage Report for independent technical review (ITR) and management ITR.
- b) Submitted the completed Stormwater Management Quality Report, Flood Impact Report, and Hydrology, Hydraulics, and Drainage Report for the BP 15% Draft Design Submittals

#### **4.1.10 Utilities**

- a) Submitted Draft 15% Design Utilities Report.

#### **4.1.11 Geotechnical**

- a) Continued finalization of the Draft 15% Geologic and Seismic Hazards Report.
- b) Submitted Draft 15% Fault Hazard Evaluation Report with Verified Responses.

- c) Submitted Draft 15% Geologic Field Reconnaissance Report with Verified Responses.
- d) Submitted Draft 15% Geotechnical Investigation Work Plan with Verified Responses.
- e) Continued finalization of the Draft 15% Preliminary Geotechnical Design Memorandum: Tunnels
- f) Continued finalization of the Draft 15% Preliminary Geotechnical Design Memorandum: Structures.

#### **4.1.12 Seismic**

- a) No activity was undertaken during this fiscal year.

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

- a) No activity this period.

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

- a) Submitted Draft 15% Roadway Drawings.
- b) Verified responses to the PMT/EMT comments following the in-progress comment/response resolution meeting.
- c) Continued to review and modify the environmental footprint, as required.
- d) Attended outreach meetings with the City of Palmdale.
- e) Planned for outreach meetings with Metro/Metrolink and the public works departments of the cities of Lancaster and Palmdale.
- f) Planned for outreach meetings with the California Department of Transportation (Caltrans), Kern County, Los Angeles County, Rosamond, Tehachapi, Edison, etc.

### **Task 4.2 Systems 15%**

#### **4.2.1 Traction Power**

- a) Continued working collaboratively with the EMT to determine sites for the TPSS.
- b) Finalized preparation of systems drawings for the 15% design.

#### **4.2.2 PUC/Connections**

- a) No activity this period.

#### **4.2.3 OCS – Not used**

#### **4.2.4 Communications**

- a) No activity this period.

#### **4.2.5 Trackside Services**

- a) No activity this period.

**Tasks 4.3 through 4.6 Not used**

**Tasks 4.7 Capital Cost Estimates**

- a) Continued with cost-estimating support for the 15% design.
- b) Continued the development of Draft 15% Quantities Basis of Estimate Report and master spreadsheet.

**Task 4.99 Engineering Task Management**

- a) Managed work required for completion of Draft 15% deliverables.
- b) Assisted in planning of the balance of FY 12/13 work plan.
- c) Led engineering team coordination meetings.
- d) Attended outreach meetings.

**Integration Management**

- a) Continued maintenance of footprint change log.
- b) Continued cross reviews of technical reports (TRs).

**Task 5 Environmental Analysis****Task 5.1 Management and Coordination**

- a) Attended biweekly BP PMT meetings on December 5 and December 19, 2012.
- b) Attended biweekly Statewide Environmental Updates on November 27, 2012, and December 10, 2012.
- c) Attended Risk Register Meeting on December 19, 2012.
- d) Continued management of environmental tasks and team coordination.
- e) Continued data and other coordination with engineering, the Palmdale to Los Angeles team, and the PMT.

**Administrative Record**

- a) See Task 7.1

**Checkpoint B**

- a) No work was completed during this period.

**Task 5.2 Technical Reports****5.2.0 No Action/No Project Alternative**

- a) Completed revisions based on the ITR.

**5.2.1 Transportation and Traffic Analysis TR**

- a) Attended the project update meeting.
- b) Prepared the 2013 work plan and schedule for the TR.

- c) Continued waiting for updated ridership data from the PMT in order to revise the traffic analysis.

#### **5.2.2 Air Quality TR**

- a) Continued revisions to figures and tables, and continued writing the environmental setting and methodology sections of the TR.

#### **5.2.3 Noise and Vibration TR**

- a) Continued to prepare the impacts and mitigation sections of the noise and vibration impact analysis, and submitted them for the TR for ITR.

#### **5.2.4 Biological Resources and Wetlands TR**

- a) Finalized the Draft Biological Resources TR; completed the ITR of this TR, and submitted it for Detail Check.
- b) Continued to draft the Wetlands TR.

#### **5.2.5 Hydrology and Water Quality TR**

- a) Completed back-check of Detail Check Report (DCR).

#### **5.2.6 Geology, Soils, and Seismicity TR**

- a) Finalized draft and submitted it to the PMT.

#### **5.2.7 Hazardous Materials and Wastes TR**

- a) Attended the project team meeting.

#### **5.2.8 Community Impact Assessment TR**

- a) Continued to conduct impact analysis for property tax and sales tax.

#### **5.2.9 Relocation Impact Assessment TR**

- a) Reviewed final draft and made minor edits.

#### **5.2.10 Aesthetics and Visual Quality TR**

- a) Continued the impact analysis and visual simulations for the Antelope Valley alternatives, and continued drafting report sections.
- b) Continued coordination with the Palmdale to Los Angeles team on the Palmdale section.

#### **5.2.11 Cultural Resources TR**

- a) Coordinated with JRP (subconsultant) for the collection and organization of DPR forms and mapping for project area sites.
- b) Continued to prepare the Architectural Survey Report (ASR), Historic Property Survey Report (HPSR), Historic Architecture Survey Report (HASR), and draft paleontological report.

**Task 5.3 EIR/EIS Chapter 3 Sections****5.3.1 Transportation and Traffic Analysis**

- a) No activity was undertaken during this period.

**5.3.2 Air Quality**

- a) No activity was undertaken during this period.

**5.3.3 Noise and Vibration**

- a) No activity was undertaken during this period.

**5.3.4 EMI/EMF**

- a) Prepared a revised draft of the electromagnetic interference/electromagnetic field (EMI/EMF) section and completed the ITR. Back-checked DCR revisions prior to approving the draft for upload.

**5.3.5 Public Utilities and Energy**

- a) Reviewed the Engineering Utility Impact Report for impacts on oil wells and turbines; still waiting for drainage infrastructure information from all municipalities, counties, and districts.
- b) Drafted Affected Environment and Environmental Consequences sections, including portions of the Utility Impact Report.

**5.3.6 Biological Resources and Wetlands**

- a) No activity was undertaken during this period.

**5.3.7 Hydrology and Water Quality**

- a) No activity was undertaken during this period.

**5.3.8 Geology, Soils, and Seismicity**

- a) No activity was undertaken during this period.

**5.3.9 Hazardous Materials and Wastes**

- a) Weekly Team meetings to communicate ongoing changes to the project.

**5.3.10 Safety and Security**

- a) Attended project team meeting.

**5.3.11 Community Impact Assessment**

- a) No activity was undertaken during this period.

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

- a) No activity was undertaken during this period.

**5.3.13 Agricultural Land**

- a) Attended project team meeting.

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

- a) No activity was undertaken during this period.

**5.3.15 Aesthetics and Visual Quality**

- a) No activity was undertaken during this period.

**5.3.16 Cultural Resources**

- a) No activity was undertaken during this period.

**5.3.17 Regional Impacts**

- a) Weekly Team meetings to communicate ongoing changes to the project.

**5.3.18 Cumulative Impacts**

- a) Revised the technical memo per reviewer comments, and continued drafting the EIR/EIS section.
- b) Coordinated with task leads to draft their cumulative impacts analysis.
- c) Continued to follow up with contacts regarding missing cumulative projects information and to format projects lists for the cumulative appendices (Sections 3.19.A and 3.19.B).

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

- a) Identified Section 4(f) properties to be added to the study area.
- b) Continued communication with cultural resources team to discuss data needs and timeline.
- c) Continued preparation of the EIR section (affected environment and environmental setting).

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

**7.1 Administrative Draft**

- a) Continued preparations for compiling the administrative record.

## 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) Clarify QA/QC protocols for GIS.
- c) Internal meeting to discuss the 2013 QA/QC objectives for 2013.

#### 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 and field supplies).
- c) Prepare and submit PRFs, TRFs, and CRFs, as needed.
- d) Prepare material for revised FY12/13 AWP or Change Request.

#### 1.5 **Risk Management**

- a) Accumulate information for next quarterly update of risk register.

### 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, to support preparation of the Administrative Draft EIR/EIS.
- b) Support the Palmdale to Los Angeles regional outreach team in stakeholder outreach and coordination with 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, as necessary.

**Task 3 Project Definition**

Task is complete.

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

- a) No work is planned for this period.

**4.1.2 Alignment**

- a) Submit Draft 15% Alignment Report.
- b) Prepare exhibits and attend outreach meetings with Metro/Metrolink and the public works departments of the cities of Lancaster and Palmdale.

**4.1.3 Temporary Construction Facilities**

- a) Respond to any comments from the PMT on the Draft CAM report and update the report, as necessary.



**4.1.4 Stations**

- a) No stations are in this section.

**4.1.5 Bridges and Elevated Structures**

- a) Review and respond to comments from the PMT/EMT on the Draft 15% drawings and report.
- b) Schedule comment/response/resolution meeting with the PMT and EMT.

**4.1.6 Tunnels**

- a) Respond to comments on the Draft 15% deliverables.
- b) Solicit concurrence from the EMT/PMT on design variances.
- c) In anticipation of focused engineering workshops with the EMT, activities will be continued to:
  - Develop sections along each portal, specifying details of facilities and utilities provided.
  - Develop access roads in portal areas for maintenance and evacuation.
  - Highlight drainage issues at portal areas and possible solutions at specific locations.
  - Design development of municipal water sources at tunnel portals.

**4.1.7 Buildings**

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

**4.1.8 Grading/Earthworks and Borrow Sites**

Respond to comments on the Draft 15% deliverable.

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

- b) Continue investigating impacts of the stormwater quality, flooding, hydrology, hydraulics, and drainage along the HST alignments, as appropriate per stakeholder feedback. Respond to comments on the Draft 15% deliverables.

**4.1.10 Utilities**

- a) Continue investigating utility impacts along the HST alignments, as necessary.

**4.1.11 Geotechnical**

- a) Submit Draft 15% Geologic and Seismic Hazards Report with Verified Responses.
- b) Submit Draft 15% Preliminary Geotechnical Design Memorandum: Tunnels
- c) Submit Draft 15% Preliminary Geotechnical Design Memorandum: Structures.
- d) Prepare White Paper on Advanced Geotechnical Investigations (GI). Such work might include non-destructive GI activities on private property, including Mark II Geologic

Field Reconnaissance, geophysics, and/drilling on public right-of-way that could be carried out prior to obtaining right-of-entry for private property

- e) Provide interdisciplinary review (IDR) and comments on the draft EIR Geology, Soils, and Seismicity TR, when available.

#### **4.1.12 Seismic**

- a) Assess required activities for developing PEP-level MCE and OBE ground motions to inform and advance enhanced 15% design of complex structures.

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

- a) Continue preparation of the right-of-way report.

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

- a) Respond to comments on the Draft 15% deliverables
- b) Continue to review and modify the environmental footprint, as required.
- c) Assist in the preparation of the quantities estimate and report.
- d) Support outreach team with exhibits, as needed.
- e) Attend outreach meetings with Caltrans, Kern County, Los Angeles County, Rosamond, Lancaster, Tehachapi, and Edison.
- f) Meet with the EMT to review access road designs and design criteria.

### **Task 4.2 Systems 15%**

#### **4.2.1 Traction Power**

- a) Continue working collaboratively with the EMT to determine sites for the TPSS. Prepare files to assist the EMT/PMT with SCE discussions.
- b) Submit the systems drawings for 15% design.

#### **4.2.2 PUC/Connections**

- a) Continue working on the strategy to determine high-voltage connections between SCE transmission line points and TPSS facilities.

#### **4.2.3 OCS – Not used**

#### **4.2.4 Communications**

- a) Continue 15% design for radio sites.

#### **4.2.5 Trackside Services**

- a) Continue 15% design for interlocking houses.

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

### **Tasks 4.7 Capital Cost Estimates**

- a) Continue with cost-estimating support for the 15% design.

- b) Submit the Draft 15% Quantities Basis of Estimate Report and master spreadsheet on January 31, 2013.

#### **Task 4.99 Engineering Task Management**

- a) Assist in the preparation of the work plan for the remaining FY 2013.
- b) Lead engineering team coordination meetings.
- c) Attend outreach meetings.

#### **Integration Management**

- a) Conduct a review meeting with environmental and engineering teams of the updated footprint, based on the Draft 15% engineering submittal.
- b) Engineering will review selected environmental reports based on the updated submittal schedule.
- c) Coordinate the project schedule between environmental and engineering teams.

#### **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 weekly URS team conference calls.
- d) Continue biweekly BP PMT HST team meetings.
- e) Continue biweekly statewide conference calls.

#### **Administrative Record**

- a) See Task 7.1

#### **Checkpoint B**

- a) No work is planned for this period.

##### **Task 5.2 Technical Reports**

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

- a) Complete the DCR, and submit the final report to the PMT.

###### **5.2.1 Transportation and Traffic Analysis TR**

- b) Update the TR when the revised traffic analysis is received, revise the TR based on ITR comments, and submit the TR for DCR. The revised traffic analysis is pending revised passenger patronage data.

**5.2.2 Air Quality TR**

- a) Continue revisions to figures and tables, and write the environmental settings and methodology sections of the TR. The air quality technical report is pending a revised traffic analysis.

**5.2.3 Noise and Vibration TR**

- a) Prepare for and conduct transfer mobility testing at Plant 42, pending approval.
- b) Complete ITR/DCR, and submit the draft TR to the PMT.

**5.2.4 Biological Resources and Wetlands TR**

- a) Finalize the draft Biological Resources TR DCR, and submit it to the PMT.
- b) Continue to draft the Wetlands TR.

**5.2.5 Hydrology and Water Quality TR**

- a) Upload the Hydrology and Water Quality TR for PMT review.

**5.2.6 Geology, Soils, and Seismicity TR**

- a) No activity is planned for this period.

**5.2.7 Hazardous Materials and Wastes TR**

- a) No activity is planned for this period.

**5.2.8 Community Impact Assessment TR**

- a) Complete the impact analysis for property tax and sales tax.
- b) Perform additional analysis to complete the Community Impact Analysis after the input analysis required from other resources and after construction cost data are received.

**5.2.9 Relocation Impact Assessment TR**

- a) No activity is planned for this period.

**5.2.10 Aesthetics and Visual Quality TR**

- a) Continue the impact analysis and visual simulations.
- b) Continue coordination with the Palmdale to Los Angeles team on the Palmdale section.

**5.2.11 Cultural Resources TR**

- a) Continue coordination with JRP (subconsultant) for the collection and organization of DPR forms and mapping for project area sites.
- b) Continue to prepare ASR, HPSR, HASR, and the draft paleontological report for ITR. Submit these reports to the FRA and Authority for review.

**Task 5.3 EIR/EIS Chapter 3 Sections****5.3.1 Transportation and Traffic Analysis**

a) No activity is planned for this period.

**5.3.2 Air Quality**

a) No activity is planned for this period.

**5.3.3 Noise and Vibration**

a) No activity is planned for this period.

**5.3.4 EMI/EMF**

a) Complete the DCR and submit the revised section to the PMT.

**5.3.5 Public Utilities and Energy**

a) Complete the preliminary draft of the Public Utilities and Energy section, using recently available GIS data regarding wind turbine and oil well conflicts and the number of conflicts with linear utilities along the alignments.

**5.3.6 Biological Resources and Wetlands**

a) No activity is planned for this period.

**5.3.7 Hydrology and Water Quality**

a) No activity is planned for this period.

**5.3.8 Geology, Soils, and Seismicity**

a) No activity is planned for this period.

**5.3.9 Hazardous Materials and Wastes**

a) No activity is planned for this period.

**5.3.10 Safety and Security**

a) No activity is planned for this period.

**5.3.11 Community Impact Assessment**

a) No activity is planned for this period.

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

a) No activity is planned for this period.

**5.3.13 Agricultural Land**

a) No activity is planned for this period.

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

a) No activity is planned for this period.

**5.3.15 Aesthetics and Visual Quality**

- a) No activity is planned for this period.

**5.3.16 Cultural Resources**

- a) No activity is planned for this period.

**5.3.17 Regional Impacts**

- a) No activity is planned for this period.

**5.3.18 Cumulative Impacts**

- a) Continue to coordinate with task leads to draft their cumulative impacts analysis.
- b) Continue to follow up with contacts regarding missing cumulative projects information, and format projects lists for the cumulative appendices (Sections 3.19.A and 3.19.B).

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

- a) Continue drafting affected environment section. Continue communication with cultural resources team regarding data needs.

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

**7.1 Administrative Draft**

- a) No activity is planned for this period.

## 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 a summary table listing the work items identified for change requests and the status of the change requests.

Authority #	Title of Change Request	Total Change	Submitted Date	PMT Approval	CCB Approval
CR0137	BRRF for Sierra Engineering	—	1-Aug	19-Nov	
CR0151	T3 Alternative Alignments (Tech Reports)	157,276	12-Sep	19-Sep	
	Outline Site Selection for MOI	49,000	2-Oct	-	
CR0161	VBN BRRF to support City of Lancaster	40,000	3-Oct	-	
	System Site Tours	65,000	-	-	
	Liaison to UPRR for ROW Issues	50,000	-	-	
CR0165	BRRF for BRI	-	31-Oct	13-Nov	