



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

**For the Period of
July 1 through 27, 2012**

**Prepared by
Scott Moorhouse, Project Manager**

**Submitted
August 10, 2012**

1) Key Issues and Areas of Concern

- a) The continued lack of an identified power source and transmission line 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 an electrical transmission line and associated access roads. Input from Southern California Edison (SCE) is essential for identifying reasonable and likely power source locations and transmission line route(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 route in the Environmental Impact Report/Environmental Impact Statement (EIR/EIS) could affect the construction schedule. To date, the Joint Venture (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 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 together with the routes of new transmission lines for serving the HST substations.
- b) On July 27, 2012, the JV received Fiscal Year 2012/2013 (FY12/13) Notice to Proceed (NTP-1), which authorized a budget of \$6,000,000 as of July 1, 2012. The JV prepared three versions for the FY12/13 Annual Work Program (AWP) and submitted them to the Program Management Team (PMT) and California High-Speed Rail Authority (Authority). To date Version 3 has been "deemed approved," but no written authority to proceed with the proposed work plan has been received. For the July Progress Report and Invoice, AWP Version 3 was used as the basis of reporting work completed during the period of performance. Because the NTP was received at the end of July, schedule adjustments may be required to account for the work that did not proceed at risk during July. Tasks that were not included in AWP Version 3 are summarized in Section 6 of this report, and will be incorporated, as appropriate, through the change control procedure.
- c) The JV continues to wait for a reply to the Authority's request made in November 2011 to the California Energy Commission for 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.
- d) The JV has identified additional key Tier 1 personnel who are required to augment or replace staff working on the project. Personnel Request Forms (PRFs) have been submitted, with the oldest dating back to October 26, 2011, for Bob Shulock of Hatch Mott MacDonald, as well as Chris Adams, the Deputy Engineering Manager. The delay in approving these personnel is causing problems related to allocating resources to keep the project on schedule. These PRFs need to be approved.

2) Financial Reporting

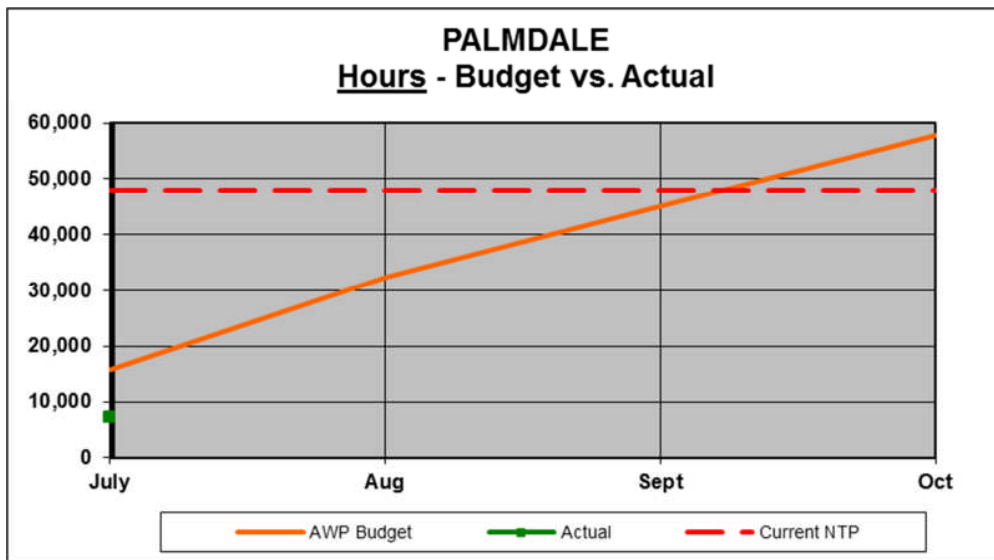
On July 27, 2012, NTP-01 for the Bakersfield to Palmdale (BP) Section was received, which provided a NTP budget of \$6,000,000 for FY12/13. The FY12/13 AWP-Version 3 budget of \$16,296,411 was used as the basis for reporting in the invoice and in the tables and charts below.

a. Staff Hours Worked

The period of performance extends from July 1 through July 27, 2012. Actual hours versus plan 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	July 2012			Cumulative Since 7/1/12		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	1,378	628	46%	1,378	628	46%
Task 2 - Public Outreach	786	201	26%	786	201	26%
Task 4 - Engineering	6,116	5,505	90%	6,116	5,505	90%
Task 5 - Environmental	7,376	996	14%	7,376	996	14%
Task 7 - DEIR/EIS	207	-	0%	207	-	0%
Total	15,863	7,329	46%	15,863	7,329	46%

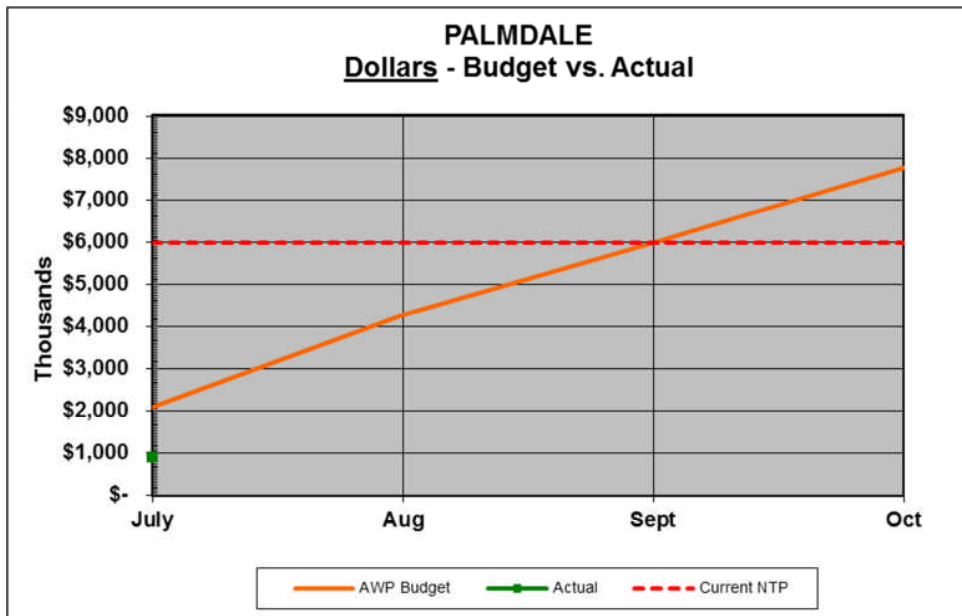


b. Dollars Spent

The period of performance extends from July 1 through July 27, 2012. Actual dollars versus plan 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	July 2012			Cumulative Since 7/1/12		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	\$ 158,051	\$ 82,029	52%	\$ 158,051	\$ 82,029	52%
Task 2 - Public Outreach	\$ 78,721	\$ 21,798	28%	\$ 78,721	\$ 21,798	28%
Task 4 - Engineering	\$ 959,257	\$ 704,592	73%	\$ 959,257	\$ 704,592	73%
Task 5 - Environmental	\$ 782,712	\$ 92,102	12%	\$ 782,712	\$ 92,102	12%
Task 7 - DEIR/EIS	\$ 19,198	\$ -	0%	\$ 19,198	\$ -	0%
ODCs	\$ 98,013	\$ 1,448	1%	\$ 98,013	\$ 1,448	1%
Total	\$ 2,095,952	\$ 901,970	43%	\$ 2,095,952	\$ 901,970	43%



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-Jul2012.xls “Measles” Chart
- b) BP-URS-Deliverables Status-Jul 2012.xls Deliverables Status Table
- c) BP-URS-Sch-Summary-Jul 2012.pdf Summary Schedule
- d) BP-URS-Earned Value Report-Jul 2012.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) Continued biweekly Regional Consultant (RC) management team meetings with the PMT.

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

- a) Received results from the PMT QA/QC audit on June 19, 2012, with no corrective actions required.
- b) Verified completion of QA/QC reviews of deliverables.
- c) Held QA/QC team conference calls to inform members of project status.

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 Personnel Request Forms (PRFs) packages and Travel Request Forms (TRFs), and received provisional approvals.
- c) Submitted updated schedule, progress report, and invoice on June 13, 2012.
- d) Worked with Authority staff, as requested, to resolve short-pay issues and provide information.

1.5 Risk Management

- a) The PMT distributed the current Risk Register to the JV for review and updating in preparation to the Risk Register review meeting scheduled for August 29, 2012.

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) On July 23, 2012, conducted a BP alignment driving tour with federal and state regulatory representatives and the PMT environmental team.
- b) Planned for stakeholder meetings to be scheduled in August for the Antelope Valley sub-segment, including the Los Angeles County Sanitation District (LACSD), and Tehachapi wind power companies.

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.

2.7 Create/Distribute Media/Newsletters

- a) Further refined text for the updated BP fact sheet and other public information materials.

Task 3 Project Definition

Task is complete.

Task 4 Engineering**Task 4.1 – Infrastructure 15%****4.1.01 Survey and Mapping**

- a) Laser identification detection and ranging (LiDAR) survey results were delivered by the vendor. Approximately 2500 individual files were compiled to generate Digital Terrain Models (DTMs). The DTM will be delivered to the PMT after it has been used by the engineering staff and verified it serves the intended purpose.
- b) Received aerial photography which will be delivered with the DTM in August.

4.1.02 Alignment

- a) Started production of 15% in progress design alignment plan and profile sheets. Some areas will require review and revision following receipt of updated LiDAR survey.
- b) Provided engineering background to the environmental team for Checkpoint B.
- c) For the Caliente Creek subsection, drafted the engineering report for the Bakersfield tracks and developed the embankment and cutting cross sections which included access road provisions to be incorporated into the environmental footprint.
- d) For the Keene subsection, changed the KE1 (from former TE-3 to former TE-4) alignment to create an opportunity for two alignment options within former MO alignment. New alignment options (TH1 and TH2) offer distinct differences in alignment characteristics and impacts on the limestone quarry and cement plant.
- e) For the Tehachapi subsection, revised the alignment tie-in points and alignment names in response to the creation of TH1 and TH2 (formerly MO) options to connect to KE1 (formerly TE-4).
- f) Started engineering report comparing TH1 and TH2 options.
- g) Continued refinement of vertical alignments at floodplains around SR-58 and at the Garlock fault using existing survey data. Cameron Canyon Road is now to be grade separated above the HST alignment.
- h) Revised the tunnel extents following the TH1 and TH2 options.
- i) Revised the preliminary track center shifts for tunnels including the Mojave twin bore tunnel.

4.1.03 Temporary Construction Facilities

- a) No activity at this time.

4.1.04 Stations

No stations in this section.

4.1.05 Bridges and Elevated Structures

- a) Provided meeting notes from June 20, 2012, workshop and draft Tall Structures Work Plan to EMT for review and comment.
- b) Prepared and submitted formal Tall Structures Work Plan.
- c) Prepared bridge drawings for 4-foot wide structure, 52-foot wide structure adjacent to tunnel portals and transition structure of varying width.
- d) Continued development of 15% design structures in Edison, Caliente Creek, Keene and Tehachapi.

4.1.06 Tunnels

- a) Continued to develop the tunnels report and drawings with latest alignment. Four alignments have been identified creating 14 to 19 tunnels, depending on the subsection, total tunnel lengths vary from 7.4 to 9.1 miles.
- b) Prepared a presentation for the EMT regarding design development of the tunnels proposed for the BP section.
- c) Proposed typical cross-sections based on the directive drawings. Single bore, twin track with separating wall will be proposed for the conventionally mined tunnels, north of the Garlock fault. Twin bore, single track with cross passages will be proposed for TBM tunnels south of the Garlock fault.
- d) Addressed portal layouts and facilities based on the directive drawings and TM requirements. Areas calculated are generic and provide the maximum areas required for 15% design.

4.1.07 Buildings

- a) Began engineering study of the layout and location for a combined Maintenance of Way Facility (MOWF) and storage tracks in the Antelope Valley area.
- b) Began engineering study of Bakersfield storage tracks in the Caliente Creek subsection.

4.1.08 Grading/Earthworks and Borrow Sites

- a) Continued development of a memorandum documenting the pros and cons of opening-up tunnels in the Tehachapi Mountains.
- b) Developed preliminary summary of tunnel portal locations based on grading, drainage, and geotechnical constraints.
- c) Began development of the Earthwork Management Report.

4.1.09 Hydrology/Hydraulics/Drainage

- a) Conducted preliminary investigations into the consequences of the potential MOWF and the Rolling Stock Maintenance Facility located north of Avenue G.
- b) Began the preliminary 15% design hydraulics and hydrology reports and figures.

4.1.10 Utilities

- a) Continued to collect utilities data.

4.1.11 Geotechnical

- a) Continued work on the Geologic and Seismic Hazard Report, including the preparation of 15% design level seismic design criteria.
- b) Continued data reduction and summary of the geologic reconnaissance survey.
- c) Prepared a Fault Hazard Evaluation decision tree.
- d) Evaluated Antelope Valley Fault Zone noted at the June 20, 2012 Workshop and the Michael-McCann Associates (MMA) faults identified in the Fugro report that traverse the alignments northwest of Tehachapi. The Antelope Valley Fault Zone faults were determined to be capable and potentially hazardous. The MMA faults were de-rated as they do not meet the criteria of the TM's for classification as capable.
- e) Began augmenting the PowerPoint presentation on the Fault Evaluation Study for follow-on presentation to the PMT on August 1, 2012.
- f) Reviewed Checkpoint B document on Tehachapi and Edison faults and alignment eliminations for environmental team.
- g) Provided geotechnical support to the structures (including preliminary foundation compression and tension capacities) and tunnels teams.

4.1.12 Seismic

- a) No activity this fiscal year.

4.1.13 Right-of-Way

- a) No activity this period.

4.1.15 Roadway Plans and Structures

- a) Continued development of roadway impacts and preliminary design in the Edison and Antelope Valley subsections.
- 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.
- c) Anticipate additional meeting with Caltrans in September and with Kern County, Los Angeles County, City of Rosamond, and City of Lancaster in September and October, 2012.

Task 4.2 – Systems 15% Design**4.2.1 Traction Power**

- a) Proposed new locations for the systems sites based on the latest alignments and profiles. However, the determination of the locations of traction power substation (TPSS) sites awaits direction from the EMT.

4.2.2 PUC/Connections

- a) Continued investigations based on possible two and three TPSS site alternatives. Provided alternatives information to the EMT for their discussions with SCE.

4.2.4 Communications

- a) Continued investigations into 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 turn-outs and crossovers.

Tasks 4.3 through 4.6 – Not Used**Tasks 4.7 – Capital Cost Estimates**

- a) Reviewed the cost implications of phased implementation.

Task 5 Environmental Analysis

As the NTP-1 was not received until July 27, 2012, Task 5 activity was limited and not conducted to the extent as planned in the FY12/13 AWP-Version 3.

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) Held biweekly project status meetings on June 6 and 20, 2012.

Administrative Record

- a) Continued preparations for compiling the administrative record.

Checkpoint B

- a) Held Checkpoint B initiation meeting via webinar on July 19, 2012. Attendees included U.S. Army Corp of Engineers (USACE), U.S. Environmental Protection Agency (EPA), PMT, Attorney General's (AGs) office, Authority, and Federal Railroad Administration (FRA). Practice sessions for this meeting were conducted on July 10 and 16, 2012.
- b) Resumed preparation of the Checkpoint B Report deliverable, with anticipated delivery to PMT in early August.
- c) The JV Environmental Manager attended the BP route tour with the regulatory agencies on July 23, 2012.

Integration Management

- a) Facilitated integration meetings and teleconferences to review outstanding data requests, and facilitated scheduling and delivery of data requests between engineering and environmental teams.
- b) Coordinated interdisciplinary reviews and data sharing of seismic and geological data and technical reports.
- c) Participated in weekly and bi-weekly meetings with the Federal Railroad Administration, Authority, the Attorney General's office, and the PMT.

- d) Coordinated engineering-recommended alignment adjustments for seismic fault and Tehachapi quarry and cement plant property avoidance in the Tehachapi Mountains, near Edison, and Mojave.
- e) Continued coordination of proposed alternative alignment footprint changes to eliminate the Edison North alternatives from further consideration, and to explore sites for a relocation of the Metrolink station in Lancaster, the maintenance of infrastructure facility (MOIF) near Palmdale, and possible storage tracks south of the Bakersfield station area.
- f) Monitored identification of biological constraints in the Antelope Valley, which will affect siting of the proposed MOIF in the Lancaster area.
- g) Coordinated stakeholder input with the public outreach and engineering teams, and development of schools information in response to a PMT request.

5.2 Technical Reports (TRs)

5.2.0 No Action/No Project Alternative

- a) Submitted draft section for ITR.

5.2.01 Transportation and Traffic Analysis TR

- a) No activity this period.

5.2.02 Air Quality TR

- a) No activity this period.

5.2.03 Noise and Vibration TR

- a) Prepared for vibration testing near Plant 42 on July 31, 2012.

5.2.04 Biological Resources and Wetlands TR

- a) Completed review of ITR comments for desert tortoise survey results memorandum.
- b) Prepared data for the TR.
- c) Incorporated wildlife movement field results into the GIS.
- d) Develop GIS models for impact analysis.

5.2.05 Hydrology and Water Quality TR

- a) No activity this period.

5.2.06 Geology, Soils, and Seismicity TR

- a) Revised maps and figures.

5.2.07 Hazardous Wastes and Materials TR

- a) Continued assessment of impacts and mitigation measures for alignment alternatives.

5.2.08 Community Impact Assessment (CIA) TR

- a) No activity this period.

5.2.09 Relocation Impact Assessment TR

- a) No activity this period.

5.2.10 Aesthetics and Visual Quality TR

- a) No activity this period.

5.2.11 Cultural Resources TR

- a) Continued to develop references required for the TR.

5.3 EIR/EIS Chapter 3 Sections

5.3.01 Transportation and Traffic Analysis

- a) No activity this period.

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) Reviewed final work product from EMF/EMI sub-consultant.

5.3.05 Public Utilities and Energy

- a) Continued coordination with Palmdale Water District, Rosamond Community Services District, Antelope Valley East Kern Water Agency, and LA County Department of Water and Power.
- b) Continued drafting Affected Environment section and collecting data for tables, figures, and a Water Usage memorandum.

5.3.06 Biological Resources and Wetlands

- a) No activity this period.

5.3.07 Hydrology and Water Quality

- a) No activity this period.

5.3.08 Geology, Soils, and Seismicity

- a) No activity this period.

5.3.09 Hazardous Wastes and Materials

- a) No activity this period.

5.3.10 Safety and Security

- a) No activity this period.

5.3.11 Community Impact Assessment

- a) No activity this period.

5.3.12 Growth, Station Planning, and Land Use

- a) Identified data needs.

5.3.13 Agricultural Land

- a) No activity this period.

5.3.14 Parks, Recreation, and Open Space

- a) No activity this period.

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) No activity this period.

5.3.18 Cumulative Impacts

- a) Continued data collection from local jurisdictions and agencies for input regarding the cumulative project list.

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

- a) Conducted background research for identification of Section 4(f) properties.

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 PMT, including responding to requests for information/analysis, and conducting biweekly management team meetings.

1.2 QA/QC/Safety/Risk

- a) Continue to conduct required QA/QC activities for all deliverables, including verification of adherence to QA/QC Plan before submittal.
- b) Develop and conduct additional and updated QA/QC training for the entire BP team.

1.3 Document Control

- a) Conduct additional website refresher training for 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 Authority to clarify 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) Participate in the Risk Register workshop on August 29, 2012.
- b) 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) Deliver the LiDAR-based DTM and aerial photos to PMT.

4.1.2 Alignment

- a) Review and revise the alignment profiles following receipt of updated LiDAR survey.
- b) Continue to review the environmental footprint and modify, as required. August 8, 2012, is now the target date for updating the environmental team of the requirements for the revised environmental footprint.
- c) Deliver work in progress plan and profile drawing set for all alignments on August 17, 2012.
- d) Provide engineering justifications to the environmental team for Checkpoint B.
- e) Draft Engineering Report of TH1 and TH2 alignment options.
- f) Draft Engineering Report of Bakersfield storage tracks in the Caliente Creek subsection.
- g) Draft Engineering Report of combined MOWF and storage tracks in the Antelope Valley area.

4.1.3 Temporary Construction Facilities

- a) No activity planned at this time.

4.1.4 Stations

- a) No stations in this section.

4.1.5 Bridges and Elevated Structures

- a) Attend workshop with EMT on August 1, 2012 for tunnels and tall structures.
- b) Begin 15% design drawings for Mojave and Antelope Valley.
- c) Continue 15% design drawings for Keene and Tehachapi.
- d) Continue preparing Structures 15% Design Report.

4.1.6 Tunnels

- a) Continue 15% design.
- b) Attend workshop on August 1, 2012 with the EMT to discuss tunnels design concepts.
- c) Start drafting the Tunnels 15% Design Report.

4.1.7 Buildings

- a) Await feedback from the EMT and operations and maintenance team about proposed selection of MOWF sites.

4.1.8 Grading/Earthworks and Borrow Sites

- a) Continue 15% design.

4.1.9 Hydrology/Hydraulics/Drainage (HH&D)

- a) Continue drafting 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 begin preparing the Geologic Reconnaissance Data Report.
- b) Prepare Fault Evaluation Design Memorandum to provide geotechnical support to structures, tunnels, and environmental teams.
- c) Continue preparing the 15% Geologic and Seismic Hazards Report.
- d) 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) Prepare roadway designs in Antelope Valley sections for both at-grade and elevation options.

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 connections to TPSS.

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) Continue to develop construction material and equipment quantities for use in the environmental economic and air quality analyses.

Task 5 Environmental Analysis

Task 5.1 – Management and Coordination

- a) Await coordination with agencies for Checkpoint B meeting.
- b) Continue management of environmental tasks and team coordination.
- c) Continued data and other coordination with Palmdale to Los Angeles team.
- d) Continue to support to 15% design development, including evaluating the engineering schedule, status of engineering data needs, and revision of EIR/EIS schedule based on schedule for engineering inputs.
- e) Hold biweekly project team meeting with EIR/EIS task leads.

Checkpoint B

- a) Checkpoint B is currently on hold. If directed to do so by the Authority, JV will complete Checkpoint B Report and submit.

Integration Management

- a) Continue integration facilitation among public outreach, engineering, and environmental teams.
- b) Monitor design change log, and keep environmental team informed about footprint changes.
- c) Participate in weekly project management and 15% engineering meetings and biweekly meetings with PMT.

Task 5.2 – Technical Reports (TR)

5.2.0 No Action/No Project Alternative

- a) Submit final draft section to PMT.

5.2.01 Transportation and Traffic Analysis TR

- a) Submit draft report for ITR/detail check.

5.2.02 Air Quality TR

- a) No activity planned for this period.

5.2.03 Noise and Vibration TR

- a) Conduct vibration measurements in the city of Palmdale.

5.2.04 Biological Resources and Wetlands TR

- a) Continue updating draft write-up for Biological Resources TR and Wetlands Delineation.

5.2.05 Hydrology and Water Quality TR

- a) Continue analysis and draft updates of Environmental Consequences section of TR.

5.2.06 Geology, Soils, and Seismicity TR

- a) Respond to PMT comments and revise, as necessary.

5.2.07 Hazardous Wastes and Materials TR

- a) Receive comments from ITR and revise draft, as necessary.

5.2.08 Community Impact Assessment TR

- a) Continue residential vacancy gap analysis.

5.2.09 Relocation Impact Assessment TR

- a) No activity planned this period.

5.2.10 Aesthetics and Visual Quality TR

- a) Continue impact analysis and three-dimensional modeling.
- b) Continue draft write-up and simulation of Antelope Valley.

5.2.11 Cultural Resources TR

- a) Continued analysis of background data for the Archaeological Survey Report (ASR), Historic Architecture Survey Report (HASR), and Paleontology Report.
- b) Continued preparation of Department of Parks and Recreation site record forms and context statements for ASR and HASR.
- c) Continued preparation of context data for Paleontological Report.

Task 5.3 – EIR/EIS Chapter 3 Sections

5.3.0 Administrative Record

- a) Continue preparation of administrative record.

5.3.01 Transportation and Traffic Analysis

- a) Begin drafting Affected Environment section of Draft EIR/EIS.

5.3.02 Air Quality

- a) Begin drafting Affected Environment section of Draft EIR/EIS.

5.3.03 Noise and Vibration

- a) No activity planned for this period.

5.3.04 EMI/EMF

- a) Receive comments and revise document, as necessary.

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.

5.3.06 Biological Resources and Wetlands

- a) Continue revision of Affected Environment and Methods sections. Begin development of impacts discussion.

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 to revise draft based on comments received for the Fresno to Bakersfield Draft EIR/EIS section.

5.3.10 Safety and Security

- a) Submit revised section based on PMT comments.

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.

5.3.13 Agricultural Land

- a) Respond to comments from PMT.
- b) Begin drafting Appendix 3.14 on animal operations.

5.3.14 Parks, Recreation, and Open Space

- a) Review PMT comments on draft and revise, as necessary.

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) Compile data from local jurisdictions and incorporate information into the cumulative project list.

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

- a) Populate list of known 4(f) properties in the project study area.

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

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

The JV has submitted a request to add Sierra Engineering Group to the Regional Consultant team as a subconsultant.