



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

**For the Period of
April 28 through May 25, 2012**

**Prepared by
Scott Moorhouse, Project Manager**

**Submitted
June 12, 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 survey season has ended and the environmental team cannot complete this year the additional environmental field surveys needed during the spring to cover currently unknown alternative alignments for an electrical transmission line and associated access roads. Input from Southern California Edison (SCE) is essential to identifying reasonable and likely power source 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 EIR/EIS could affect the construction schedule. **Meetings with SCE should be conducted immediately so that a power transmission line route(s) can be identified.**
- b) On June 30, 2011, the JV received FY11/12 NTP-1, which authorized a budget of \$6,500,000 as of July 1, 2011. The JV prepared four versions of the FY11/12 AWP and submitted them to the PMT/Authority. Although verbal notice that FY11/12 AWP Version-4 had been “deemed approved” was given through the PMT to the JV on November 17, 2011, **no formal comments or written authority to proceed with the proposed work plan have been received.** For the March Progress Report and Invoice, AWP 4 budgets are used as the basis of reporting work completed to date. Work tasks not included in AWP 4 are summarized in Section 6 of this report and will be incorporated, as appropriate, through the change control procedure.
- c) The JV has been tracking costs and forecasts since the Supplemental Alternatives Analysis was approved in February 2012. The JV forecasted that depending on the rate in ramping up the environmental and engineering teams, an additional \$300,000 to \$500,000 over the \$6,500,000 approved in NTP-1 would be necessary to fund work through June 30, 2012. This topic has been discussed in BP-PMT meetings since February 2012, and the PMT indicated that NTP2 -would be quickly processed as soon as the JV compiled the May 2012 actuals and developed a reasonable forecast for June 2012. The JV notified the PMT that NTP-2 in the amount of \$392,000 would be needed for activities in June 2012 and requests that this NTP be processed quickly as discussed in the BP-PMT meetings.
- d) The JV continues to wait for a reply to the Authority’s request made in November 2011 to the California Energy Commission 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 this section of the EIR/EIS.

2) Financial Reporting

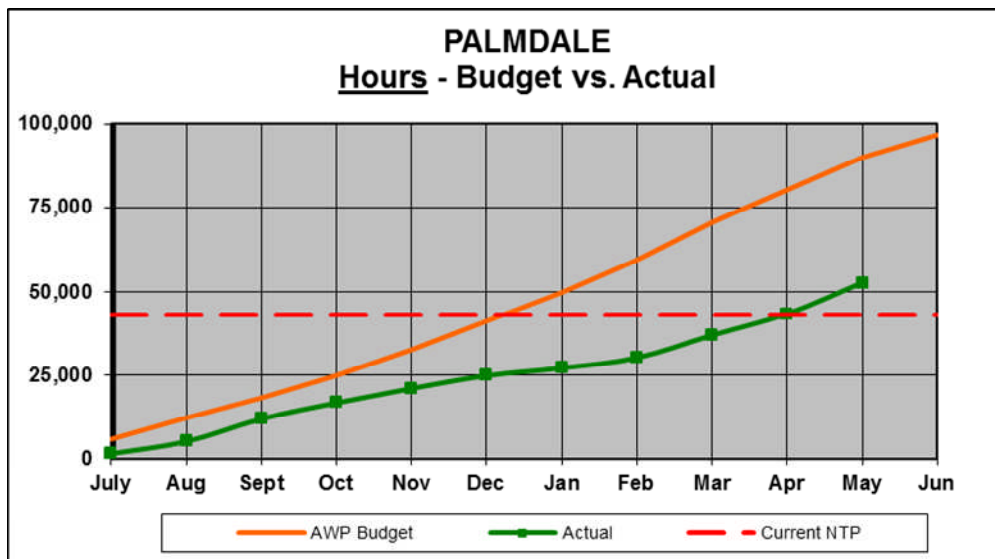
On June 30, 2011, NTP-01 for Bakersfield to Palmdale (BP) was awarded in the amount of \$6,500,000 for FY11/12. The FY11/12 NTP budget is reflected in the charts below and in the invoice. The FY11/12 AWP budget will be determined upon approval of the AWP. The AWP 4 budget of \$12,500,000 was used as the basis for reporting in the invoice and in the tables and charts below.

a. Staff Hours Worked

The period of performance extends from April 28 through May 25, 2012. Actual hours versus plan by task for this reporting period and for the cumulative reporting period since July 1, 2011, are shown in the following table and chart. Figures for this current reporting period include actual hours for subconsultants.

Hours Worked

PALMDALE Task	May 2012			Cumulative Since 7/1/11		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	1,274	796	62%	11,969	4,681	39%
Task 2 - Public Outreach	442	292	66%	4,597	2,011	44%
Task 3 - Project Definition	-	-	0%	1,520	2,141	141%
Task 4 - Engineering	3,833	3,410	89%	30,183	11,838	39%
Task 5 - Environmental	2,425	4,824	199%	39,828	32,138	81%
Task 7 - DEIR/EIS	1,526	-	0%	1,752	-	0%
Total	9,500	9,321	98%	89,849	52,809	59%

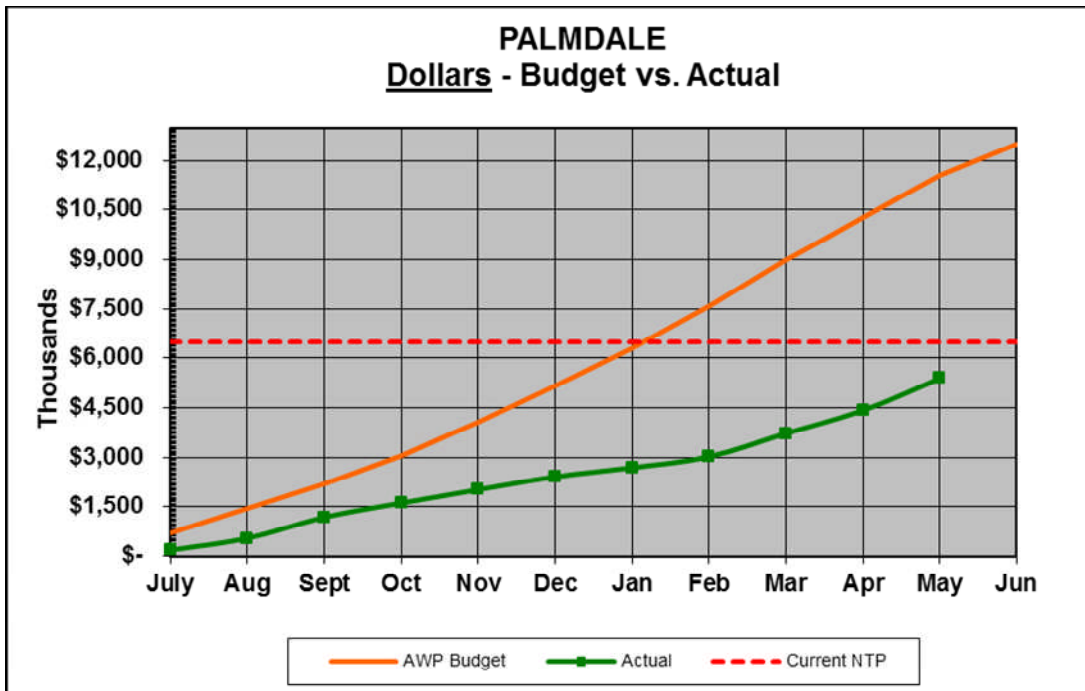


b. Dollars Spent

The period of performance extends from April 28 through May 25, 2012. Actual dollars versus plan by task for this reporting period and for the cumulative reporting period since July 1, 2011, are shown in the following table and chart. Figures for this current reporting period include actual expenditures for subconsultants.

Dollars Spent

PALMDALE Task	May 2012			Cumulative Since 7/1/11		
	Plan	Actual	Pct	Plan	Actual	Pct
Task 1 - Project Mgt.	\$ 175,000	\$ 101,128	58%	\$ 1,599,589	\$ 599,345	37%
Task 2 - Public Outreach	\$ 48,176	\$ 34,472	72%	\$ 502,691	\$ 255,246	51%
Task 3 - Project Definition	\$ -	\$ 821	0.0%	\$ 148,310	\$ 236,650	160%
Task 4 - Engineering	\$ 564,552	\$ 455,932	81%	\$ 4,441,045	\$ 1,659,167	37%
Task 5 - Environmental	\$ 276,871	\$ 381,931	138%	\$ 4,596,196	\$ 2,649,508	58%
Task 7 - DEIR/EIS	\$ 235,172	\$ -	0%	\$ 269,586	\$ -	0%
Total	\$ 1,299,771	\$ 974,284	75%	\$ 11,557,417	\$ 5,399,916	47%



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-May 2012.xls “Measles” Chart
- b) BP-URS-Deliverables Status-May 2012.xls Deliverables Status Table
- c) BP-URS-Sch-Summary-May 2012.pdf Summary Schedule
- d) BP-URS-Earned Value Report-May 2012.pdf/.xls Earned Value Report
Hours/dollars for the Fiscal Year
Hours/dollars for the Entire Project

4) **Key Developments and Accomplishments**

On November 17, 2011, the JV was given verbal notice through the PMT that FY11/12 AWP 4 had been “deemed approved,” although the JV had not received written approval. Mike Gillam, PMT Deputy Director-South, directed the team to use AWP 4 as the basis for the Monthly Progress Report and Invoice.

Task 1 Management

1.1 PM/PM Plan/Meetings/Coordination

- a) Prepared and delivered FY12/13 AWP version 2 on May 18, 2012.
- b) Continued coordination with Mike Gillam, PMT Deputy Director-South, and Don Currie, PMT Regional Manager.
- c) Continued biweekly regional consultant (RC) management team meetings with the PMT.

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

- a) Verified completion of QA/QC reviews of deliverables.
- b) 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 team’s Document Control Plan.
- c) Continued to post documents for PMT and Authority review on ProjectSolve.

1.4 Schedule, Budget, Progress Reports

- a) The JV received payment for invoices 5.11 (May 2011) and 5.12 (June 2011)
- b) Continued management of work progress, schedule, cost/budget, and deliverables tracking.
- c) Submitted multiple Personnel Request Forms (PRFs) packages and Travel Request Forms (TRFs), and received provisional approval.
- d) Submitted updated schedule on May 10, 2012, and progress report and invoice on May 11, 2012.
- e) Worked with Authority staff to resolve short-pay issues and provide information as requested.

1.5 Risk Management

- a) Will provide update as needed per PMT direction.

Task 2 Public Outreach

2.1 Participation Plan

- a) Develop plan for public information meetings (PIMs) tentatively planned for late summer 2012.

2.2 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 Bakersfield to Palmdale project management meeting.
- c) Planned for a future BP alignment driving tour with federal and state regulatory representatives scheduled for July 23, 24, and 25, 2012.

2.3 Maintain Stakeholder Database

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

2.4 Memoranda of Understanding

Not applicable.

2.5 Stakeholder Meetings and Briefings

- a) On May 19, 2012, conducted a general project briefing for the Greater Antelope Valley Association of Realtors that included discussions on the revised Business Plan and the BP, and Palmdale to Los Angeles alignment alternatives.
- b) On May 15, 2012, conducted a stakeholder meeting with the Kern County Farm Bureau's Executive Director to present alignment alternatives in the Edison sub-segment and to discuss future outreach opportunities with Farm Bureau members.
- c) On May 16, 2012, conducted a stakeholder meeting with the City of Tehachapi Community Development Director to discuss alignment alternatives in the Tehachapi sub-segment and through the City of Tehachapi.
- d) Planned for stakeholder meetings to be scheduled in June for the Antelope Valley sub-segment.

2.6 Other Outreach

- a) Held weekly Bakersfield to Palmdale Outreach Team Coordination/Strategy conference call.
- b) Participated in the weekly Central Valley Outreach Team Coordination conference call.
- c) Planned and coordinated logistics for future stakeholder outreach activities.

2.7 Create/Distribute Media/Newsletters

- a) Further refined text for the updated BP fact sheet and other public information materials.
- b) Developed text for Southern California email message.

Task 3 Project Definition

Task is complete.

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

- a) Obtained approval from PMT to perform Laser Identification Detection and Ranging (LIDAR) survey to obtain more accurate topographic data and up-to-date aerial photography. LIDAR survey data is due for delivery June 30, 2012.

4.1.02 Alignment

- a) The analysis of the Tehachapi Fault that runs parallel with the alignment has resulted in modifications to the profile of alignment TE1. The primary modification was to delete a tunnel close to the fault zone because the new data reviewed as part of the 15% design effort revealed that this fault is likely more active than previously characterized. This change has resulted in the need to steepen the profile of TE1.
- b) The discovery of the new information regarding the Tehachapi Fault and the previously expressed desire by the Attorney General's office to avoid Bureau of Land Management (BLM) managed lands resulted in a comprehensive review of the alignment and profile across the plateau opposite the City of Tehachapi. One option envisages the alignment to the south of the BLM lands but will require at-grade crossings of the Tehachapi Fault. A second option avoids both the BLM lands and the Tehachapi Fault but will require the HST alignment to be tunnel for a longer length when crossing the plateau. This option has the added advantage of minimizing any impact on the developments planned by the City of Tehachapi for the plateau. Alignments and profiles are being developed for both options.
- c) The 15% alignment and profile design development continued in all subsections. Alignment refinements in the Edison subsection have enabled the Structures team to begin designing of structures for the elevated options EN2 and ES4. Additional data related to the fault in the area of EN1 and EN2 are being assessed.
- d) A comprehensive review of the profile options for entire subsection crossing the Tehachapi Mountains has shown that opening tunnels into deep cuttings intercepts gullies and valleys, disrupting not only storm water runoff, drainage and established wildlife paths, but also potentially restricts the grazing of cattle maintained by the major ranches. Optimizing TE3, such that its profile is closer to TE1, will eliminate a number of tunnels but still preserve the drainage, wildlife paths and interfere far less with cattle grazing. The profile now features more tall structures, but the elimination of a number of tunnels will result in potential capital cost savings. Current effort suggests a reduction of total tunnel length on the west slope from ten miles to four miles, a potential \$3 billion saving.
- e) Alignment MO1 across the Mojave Desert intercepts a wind farm that has permits in place to expand the number of turbines at this facility. The implications of slowly turning turbines standing up to 300 feet tall on the reliability, availability, maintainability and safety of the HST alignment are being carefully assessed, but one outcome might be the requirement on safety

grounds to clear a swath of turbines from both sides of the HST guideway. Such a clearance could have considerable commercial consequences for the wind farm operators.

- f) The design development of the alignments through the Antelope Valley continues. The JV conducted an internal cost comparison to demonstrate that it will be more economical to shift the Sierra Highway and the HST alignment away from the Metrolink and the Union Pacific Railroad (UPRR) freight tracks than install intrusion barriers along sections of the alignment through areas which have not been developed. The results of the cost comparison will be presented to the PMT and EMT during the next EMT workshop. The cost comparison takes into the account the requirement to also shift over the Sierra Highway in the case of alignments AE1 and AE2. Due to the urban development, intrusion protection for the at-grade alternatives through Rosamond and the City of Lancaster remain the only option. The team is looking at ways to maintain the functionality of the Lancaster Metrolink Station, not only during HST operations but also during construction through Lancaster. The most viable option envisages the establishment of the transport interchange, car parking and main ticket office on the eastern side of the UPRR's right of way (ROW) with an overhead footbridge connection to the existing station platform and waiting area. The intention will be to facilitate the integration of the station concourse with the proposed transit-orientated development planned by the City of Lancaster on vacant land on the eastern side of the UPRR's ROW. The team is also investigating the need to re-provision settlement ponds at the Los Angeles County Sanitation District's water reclamation plant located between Rosamond and Lancaster which will be affected by alignment options AE and AW.
- g) Continued 15% alignment design development on all subsections.
- h) Submitted environmental footprint for the environmental team and revised shape files.
- i) Continued reviewing locations of the systems sites to ensure compatibility with the revised profile through the mountains.
- j) Participated in PMT biweekly meetings.

4.1.03 Temporary Construction Facilities

- a) Continued assessment of construction staging areas and pre-casting facilities for the various alignment alternatives. Included preliminary site selections in the environmental footprint issued to the environmental team.
- b) Determine constructability input for report related to structures and tunnels.
- c) Prepared data on construction equipment requirements, construction waste and operations waste for the Draft EIR/EIS.
- d) Continued to review staging areas and lay down area.

4.1.04 Stations

No stations in this section.

4.1.05 Bridges and Elevated Structures

- a) Continued structure development, including tall structure concepts in preparation for PMT/EMT workshop.

- b) Developed plans and elevation of conceptual tall structures extending to over 250 feet in height; circulated strategy for the design of tall structures; and submitted for internal review by JV specialists.
- c) Prepared exhibits and planned for tall structures workshop with the EMT in June 2012.

4.1.06 Tunnels

- a) Tunnel design continues on the basis that only one segment of tunnel (3.3 miles long) south of the Garlock fault would be designed as a twin-bore single-track tunnel. All others were being designed as single-bore twin-track tunnels with partition walls. Preparing a tunnel concept report for PMT/EMT workshop.
- b) Developed draft outline of the tunnels report and submitted for internal review. Prepared exhibits and planned for workshop with EMT to present the strategy for the tunnel design development.

4.1.07 Buildings

- a) Circulated to the PMT and EMT four potential sites for a Maintenance of Way Facility (MOWF) in the Antelope Valley.

4.1.08 Grading/Earthworks and Borrow Sites

- a) Continued preparation of deep-cut slope configurations showing those areas where cuts may be feasible in lieu of tunnels.
- b) Completed review of the potential for opening up tunnels in the Tehachapi Mountains into deep cuttings; however, the disadvantages for storm water run-off, wildlife circulation and cattle grazing along with aesthetic considerations due to visual impact of expanses of exposed rock slopes appear to have made the concept of deep cuttings less attractive overall.

4.1.09 Hydrology/Hydraulics/Drainage

- a) Continued floodplain investigations along alignments.
- b) Continued delineating storm water catchment areas through the mountainous section of alignment.
- c) Compiled list of channels requiring hydraulic analysis to satisfy Executive Order 11988: Floodplain management, including Caliente Creek, Tehachapi Creek, Tweedy Creed, Proctor Lake, and Amargosa Creek.
- d) Conducted preliminary investigations into the consequences of alignment options AE and AW impacting the settlement ponds at the Los Angeles County Sanitation District water reclamation plant between Rosamond and Lancaster.

4.1.10 Utilities

- a) Identified owners of fiber optic cables along the UPRR's right of way in the Antelope Valley.
- b) Reviewed transmission line development plans of the power companies in the Tehachapi Mountains available in the public domain and planned for information discussions with those companies.
- c) Investigated utility conflicts.

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 planning the geologic reconnaissance survey schedule for June 4 through June 20, 2012.
- c) Evaluated Edison and Tehachapi Creek Fault to determine capability classifications.
- d) Provided geotechnical support to the structures and tunnels teams.

4.1.12 Seismic

- a) No activity this fiscal year.

4.1.13 Right-of-Way

- a) Determined right of way previously owned by the Southern Pacific Railroad between Lancaster and Palmdale, is now divided into separate rights of way owned by UPRR and the Southern California Regional Rail Authority (SCRRA).

4.1.15 Roadway Plans and Structures

- a) Continued review of roadway impacts in the Edison and Antelope Valley sections and continued analysis of potential access roads in the Tehachapi sections.
- b) Continued review of roadway impacts in the Edison and Antelope Valley subsections and continued analysis of options for access roads to tunnel portals, bridge abutments and system sites in the Tehachapi sections.
- c) Requested a meeting with Caltrans to review the impacts of the alignment on State Route 58 in Edison and State Route 14 in Mojave.

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

- a) Met with the EMT on May 1, 2012, to present revised proposals for the traction power substation (TPSS) sites, crossovers and phase breaks. Provided two concepts, each assuming a different TPSS substation location in the Tehachapi Mountains.

4.2.2 PUC/Connections

- a) Continued investigations of potential connections between TPSS sites with known high-voltage transmission lines.

4.2.4 Communications

- a) Continued investigations into locating radio sites between TPSS sites 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) Continued refinement of construction methods spreadsheet and cost estimates to assist the PMT to develop the time chainage charts for construction packaging.
- b) Presented spreadsheets to PMT outlining Preliminary Construction Methods and Preliminary Phased Implementation HST costs, which included updated quantities for the AW, TE3, MO1, and AW alternatives.

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 Los Angeles to Palmdale team.

Administrative Record

- a) Continued preparations for compiling the administrative record.

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.

5.2 Technical Reports (TRs)**5.2.0 No Action/No Project Alternative**

- a) Continued edits of section.

5.2.01 Transportation and Traffic Analysis TR

- a) Continued to draft TR.

5.2.02 Air Quality TR

- a) Continued to draft TR.

5.2.03 Noise and Vibration TR

- a) Completed collection and processing of long-term and short-term field noise measurement data at receptors adjacent to the T3 alignment between Mojave and Rosamond.
- b) Continued preparation of the Transfer Mobility Testing Plan and schedule along the project alignment and at locations in Palmdale at Plant 42.
- c) Continued to draft TR.

5.2.04 Biological Resources and Wetlands TR

- a) Continued to work with the Tejon Ranch for permissions to enter.
- b) Began wildlife movement surveys and desert tortoise protocol-level surveys.
- c) Submitted Desert Tortoise Survey Plan to the California Department of Fish and Game.

- d) Conducted botanical surveys (vegetation community mapping) of new study area.
- e) Began digitization from wetland and botanical surveys, as well as preliminary results from wildlife movement field work and desert tortoise surveys.
- f) Developed GIS model for generating impact calculations for wildlife and other resource areas.
- g) Continued development of MaxEnt (model) to map potential distribution of occurrences of special-status plant species.
- h) Continued drafting TR.
- i) Continued preparation of draft Checkpoint B biological resource analysis.

5.2.05 Hydrology and Water Quality TR

- a) a) Continued to draft TR.

5.2.06 Geology, Soils, and Seismicity TR

- a) Completed site reconnaissance of project corridor.
- b) Continued to draft TR.

5.2.07 Hazardous Wastes and Materials TR

- a) Continued evaluation of field reconnaissance and regulatory agency data for all alignment alternatives.
- b) Continued to draft Environmental Consequences section; schools; airports and airfields; landfills; oil and gas wells and pipelines.

5.2.08 Community Impact Assessment (CIA) TR

- a) Continued environmental justice verification process with local planners per PMT instruction.
- b) Began working with GIS to assemble parcel database.
- c) Began to revise CIA Affected Environment section based on independent technical review (ITR) and technical edits after PMT comments.

5.2.09 Relocation Impact Assessment TR

- a) Began to revise Draft Relocation Impact Report (DRIR) Affected Environment section based on ITR/tech edits after PMT comments.

5.2.10 Aesthetics and Visual Quality TR

- a) Began review of alignments and footprint provided in April and identified data needs such as specific simulation viewpoint alternatives.
- b) Prepared for field work, including identification of simulation photo locations and framing.
- c) Began digital terrain modeling of Tehachapi Mountains.
- d) Began CAD modeling of Antelope Valley viewpoints.

5.2.11 Cultural Resources TR

- a) Conducted Archaeological and Architectural field surveys.
- b) Continued analysis of background data for the Archaeological Survey Report (ASR), Historic Architecture Survey Report (HASR), and Paleontology Report.

- c) Began preparation of Department of Parks and Recreation site record forms and context statements for ASR and HASR.
- d) Continued preparation of context data for Paleontological Report.

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) Participated in preparatory review.

5.3.03 Noise and Vibration

- a) No activity this period.

5.3.04 EMI/EMF

- a) Continued to draft section.
- b) Completed ITR and DCR for EMF/EMI Field Measure Protocol report.
- c) Completed ITR and DCR for initial draft EMF/EMI Field Measurement Survey report.

5.3.05 Public Utilities and Energy

- a) Continued obtaining high- and low-risk utility crossing and facility location data from service providers (urban sewer, water, and drainage infrastructure).
- b) Continued coordination with Palmdale Water District, Rosamond Community Services District, Antelope Valley East Kern Water Agency, and LA County Department of Water and Power.
- c) Analyzed partial data obtained for high-risk utilities.

5.3.06 Biological Resources and Wetlands

- a) Developed GIS model for generating impact calculations for wildlife and other resource areas.

5.3.07 Hydrology and Water Quality

- a) Continued to review April footprint and revise draft section.

5.3.08 Geology, Soils, and Seismicity

- a) Continued to analyze geology and GIS alignment data.

5.3.09 Hazardous Wastes and Materials

- a) Continued to revise section.

5.3.10 Safety and Security

- a) Submitted complete draft to PMT for review.

5.3.11 Community Impact Assessment

- a) Revised GIS maps for section.

5.3.12 Growth, Station Planning, and Land Use

- a) Completed complete draft section, submitted for ITR, DCR, editing.

5.3.13 Agricultural Land

- a) Completed calculations for agricultural acreages, determined Williamson remnants, and calculated severance parcel acreages, completed impacts analysis.
- b) Completed Affected Environment section based on new April project footprint, submitted for ITR, editing, revised as necessary and uploaded for PMT review and comment.

5.3.14 Parks, Recreation, and Open Space

- a) Completed draft of Affected Environment and Environmental Consequences sections, submitted for PMT review.

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 to compile a list of plans, development, and transportation projects within the cities of Bakersfield, Tehachapi, Lancaster, and Palmdale and the counties of Kern and Los Angeles.

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

- a) Initiated contact with potentially impacted school facilities.

5) *Planned Activities for Next Period*

Task 1 Management

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

- a) Respond to comments received on Version 2 of the FY12/13 AWP and begin preparation of Version 3.
- b) 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 monitor QA/QC activities for all deliverables, including verification of adherence to QA/QC Plan before submittal.
- b) Develop and conduct additional QA/QC training for team.
- c) Assist the PMT with a QA/QC audit planned for June, 2012.

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 Joint Venture's Document Control Plan.
- c) Continue to post documents for PMT and Authority review on ProjectSolve.

1.4 **Schedule, Budget, Progress Reports**

- a) Submit invoice, progress reports and supplemental information, and schedule.
- b) Work with Authority to clarify process for approval and payment of outstanding non-labor items (such as travel, field supplies).
- c) Prepare and submit PRFs, BRRFs, 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 **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 the Administrative Draft EIR/EIS for the Bakersfield to Palmdale proposed alignments.

- 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 planning, 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 responses to requests for project information from stakeholders and members of the public.

2.7 Create/Distribute Media/Newsletters

- a) Update Bakersfield to Palmdale Project fact sheet and collateral materials.

Task 3 Project Definition

Task is complete.

Task 4 Engineering

Task 4.1 – Infrastructure 15%

4.1.1 Survey and Mapping

- a) Receive LIDAR survey and new aerial photos.

4.1.2 Alignment

- a) Continue to review the environmental footprint and modify as required.
- b) Continue the 15% design of the alignment alternatives. Present to PMT and EMT the results of refinement of alignment and profile alternatives through Edison, Tehachapi Mountains, and the Antelope Valley.

4.1.3 Temporary Construction Facilities

- a) Continue the site selection process for the construction staging, laydown, and pre-casting sites, and incorporate the revisions into the project footprint. Provide support to the structures and tunnel teams regarding constructability and construction site requirements.

4.1.4 Stations

- a) No stations in this section.

4.1.5 Bridges and Elevated Structures

- a) Continue 15% design.
- b) Plan workshops with the EMT to discuss tall-structures design concepts.

4.1.6 Tunnels

- a) Continue 15% design.
- b) Plan workshops with the EMT to discuss tunnels design concepts.

4.1.7 Buildings

- a) Await feedback from the EMT and Operations and Maintenance team as to the proposed selection of the MOWF sites.

4.1.8 Grading/Earthworks and Borrow Sites

- a) Continue 15% design.

4.1.9 Hydrology/Hydraulics/Drainage (HHD)

- a) Continue 15% design.

4.1.10 Utilities

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

4.1.11 Geotechnical

- a) Continue preparing the 15% Geologic and Seismic Hazards report.
- b) Complete planning of the geologic reconnaissance of the Tehachapi Mountains.
- c) Initiate field survey of the HST alignments in the Tehachapi Mountains, based on PTEs provided by private landowners, provisionally planned for June 4, 2012.
- d) Continue to provide geotechnical support to structures, tunnels and HH&D teams.

4.1.12 Seismic

- a) No activity this fiscal year.

4.1.13 Right-of-Way

- a) Follow up with the SCRRA regarding right of way ownership in the Antelope Valley.

4.1.15 Roadway Plans and Structures

- a) Continue review of roadway impacts in the Edison and Antelope Valley sections and continue analysis of potential access roads in the Tehachapi sections.

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) Respond to comments from PMT on the construction methods spreadsheet and assist PMT to develop the time chainage charts for the construction packaging.
- b) 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) Waiting to coordinate with agencies for Checkpoint B meeting.
- b) Continue management of environmental tasks.
- c) Continued data coordination with Palmdale to Los Angeles team regarding Palmdale Station.
- d) Continue to provide support to 15% design development, including the evaluation of engineering timeline, 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.

Administrative Record

- a) Continue preparations for administrative record.

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 meeting with PMT.
- d) Coordinate follow-up with PMT on vibration study for Air Force Plant 42 contractors, and support follow-up meeting with Plant 42.

Task 5.2 – Technical Reports (TR)**5.2.0 No Action/No Project Alternative**

- a) Continue review and incorporation of edits into sections.

5.2.01 Transportation and Traffic Analysis TR

- a) Continue analysis of Environmental Consequences section.
- b) Respond to PMT comments on Affected Environment section of TR.

5.2.02 Air Quality TR

- a) No activity planned for this period.

5.2.03 Noise and Vibration TR

- a) Conduct noise modeling along project alignment.

5.2.04 Biological Resources and Wetlands TR

- a) Continue digitizing results from wildlife movement and desert tortoise surveys.

- b) Begin updating draft write-up for Biological Resources TR and Wetlands Delineation.

5.2.05 Hydrology and Water Quality TR

- a) Continue analysis of Environmental Consequences section of TR.

5.2.06 Geology, Soils, and Seismicity TR

- a) Complete Environmental Consequences section, submit for internal review, and submit to editing.

5.2.07 Hazardous Wastes and Materials TR

- a) Continue compiling field reconnaissance data.
- b) Continue preparing draft Environmental Consequences section.

5.2.08 Community Impact Assessment TR

- a) Begin Impact Analysis based on April revised project footprint.

5.2.09 Relocation Impact Assessment TR

- a) Begin Impact Analysis based on April revised project footprint.

5.2.10 Aesthetics and Visual Quality TR

- a) Conduct field trip to collect simulation base photography.
- b) Begin work on simulations to include identification of potential simulation viewpoints.
- c) Prepare list of simulations for alternative analysis.
- d) Obtain specific vertical profile information for preparation of simulations.

5.2.11 Cultural Resources TR

- a) Continue preparation of site identification reports and Archaeological Survey Report draft.
- b) Continue drafting Built Environment, Paleontological, and Archaeological Affected Environment sections.

Task 5.3 – EIR/EIS Chapter 3 Sections

5.3.01 Transportation and Traffic Analysis

- a) No activity planned.

5.3.02 Air Quality

- a) Continue drafting section.

5.3.03 Noise and Vibration

- a) No activity planned for this period.

5.3.04 EMI/EMF

- a) Post the first submittal of the EMF/EMI Measurement Report (Appendix 3.5-A) and post the Field Measurement Protocol report based on anticipated PMT final review.

5.3.05 Public Utilities and Energy

- a) Acquire additional utility crossing and facility location data, including rural areas.

5.3.06 Biological Resources and Wetlands

- a) No activity planned this period.

5.3.07 Hydrology and Water Quality

- a) Continue drafting section.

5.3.08 Geology, Soils, and Seismicity

- a) Continue drafting section.

5.3.09 Hazardous Wastes and Materials

- a) No activity planned this period.

5.3.10 Safety and Security

- a) Receive PMT comments and revised draft as necessary.

5.3.11 Community Impact Assessment

- a) No activity planned this period.

5.3.12 Growth, Station Planning, and Land Use

- a) Continue drafting section.

5.3.13 Agricultural Land

- a) Respond to comments from PMT.

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) No activity planned for this period.

5.3.18 Cumulative Impacts

- a) Continue to collect missing data for the cumulative projects list.
- b) Coordinate data collection with the Los Angeles office.

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

- a) Determine whether potentially impacted school facilities qualify for 4(f) status.

6) Additional Scope to AWP-Version 4

On November 17, 2011, the JV was given verbal notice through the PMT that FY11/12 AWP 4 had been “deemed approved,” although the JV has not received written approval. Additional work scope that was not included in AWP 4 is summarized below.

- The JV has been monitoring cost to assess if additional NTP funding is necessary to include the recommendations in the SAA in the 15% design and in environmental documents. The JV notified the PMT that NTP-2 in the amount of \$392,000 would be needed for activities through June 30, 2012 and requests that this NTP be processed quickly in order to maintain schedule.