January 7, 2013

Ms. Amy Baker
Project Manager
California Public Utilities Commission
505 Van Ness Avenue, 4th Floor
San Francisco, CA 94102

Re: Notice to Proceed (NTP) Request #3 to Conduct Geotechnical Investigations along the Underground Transmission Alignments

Dear Ms. Baker:

On June 21, 2012, the California Public Utilities Commission (CPUC) selected the East County (ECO) Substation Alternative Site combined with the ECO Partial Underground 138 kilovolt (kV) Transmission Route Alternative (Decision A.09-08-003) as the approved ECO Substation Project (Project). The decision grants San Diego Gas & Electric Company (SDG&E) a Permit to Construct and conditionally authorizes construction of the Project after the implementation of pre-construction mitigation measures. A Notice of Determination was submitted to the State Clearinghouse on June 21, 2012, indicating the CPUC’s approval of the Project.

Purpose

Per the request of the CPUC on November 1, 2012, SDG&E is formally requesting authorization from the CPUC to begin geotechnical investigations planned for the Project in order to finalize the design of the underground transmission alignments. The underground transmission alignments can be described as follows:

- Boulevard Substation to the Riser Pole identified as steel pole (SP) 38, and
- Riser Pole SP 105 to Riser Pole SP 90.

The geotechnical investigations are necessary to finalize the design of the underground transmission alignment prior to initiating construction activities of these Project components, which are scheduled to begin in March 2013. Accordingly, SDG&E is requesting an NTP to perform geotechnical investigations, consisting of geothermal resistivity testing, along the underground transmission alignments. The locations where the testing will occur are depicted in Attachment A: Geothermal Resistivity Test Boring Locations. No activities associated with construction of the underground alignments will occur until authorization has been received under a separate NTP. The geotechnical investigations are briefly summarized in this NTP request.

Pre-Construction Mitigation Measures

All of the pre-construction mitigation measures applicable to the geotechnical investigations have been completed or will be implemented immediately prior to beginning work. A list of all of the pre-construction mitigation measures that apply to the geotechnical investigations and their statuses are included in Attachment B: Pre-Construction Status Report of this NTP request.
Activity Summary

The geotechnical investigation studies will consist of approximately 23 small-diameter (approximately six-inch) borings. A total of 11 borings will be located along Carrizo Gorge Road and Old Highway 80, from Riser Pole SP 105 to Riser Pole SP 90, and a total of 12 borings will be located along Tule Jim Lane, Jewel Valley Road, and an unnamed private dirt road between Boulevard Substation and Riser Pole SP 38. The boring locations are shown in Attachment A: Geothermal Resistivity Test Boring Locations. Twenty-two boring locations will be located along existing roadways, and one boring location—GEO 11A—will be located approximately 100 feet from an existing roadway. An overland travel route will be used to access this site. Samples at the 22 boring locations along existing roadways will be taken at four feet and eight feet with a Cal sampler driven by a 140-pound hammer falling approximately 30 inches. The immediate workspace for each of the 22 bore holes will be approximately five feet by five feet (approximately 25 square feet per hole), and the total estimated work area surrounding each boring location—including space for work crews and equipment—will be approximately 40 feet by 10 feet (approximately 400 square feet). A work area measuring approximately 30 feet by 30 feet will be required to accommodate the proposed activities for boring location GEO 11A, which will require approximately two days to complete. All of the bore holes will be backfilled or covered following drilling activities, and any soil stockpiles left overnight will be covered and secured.

A truck-mounted drill rig will be utilized for the 22 boring locations along existing roadways and a tracked drill rig will be used for boring location GEO 11A. In addition, three to four light- to medium-duty vehicles will be required to transport crews. The drill rig dimensions are approximately five to eight feet wide, 30 feet high, and 30 feet long. The drill will advance an approximately six-inch hollow stem auger to a maximum depth of eight feet below the existing grade for the 22 boring locations, and a maximum depth of 40 feet below the existing grade for boring location GEO 11A.

All drilling activities for the 22 boring locations along the existing roadways will be conducted in previously disturbed areas. Additional space along the road shoulder will be required for the parking of two to three support vehicles. Boring location GEO 11A will be located approximately 100 feet from the existing roadway, in an area of redshank chaparral. No grading or vegetation clearing is proposed as part of these activities, and all locations have been reviewed by the environmental team. There is the potential for one sensitive plant species—oceanblue larkspur (*Delphinium parishii*)—to occur along the proposed overland travel route to GEO 11A; however, all appropriate environmental resource monitors will be on site to monitor the activity and minimize potential impacts to vegetation. A fire-prevention crew and equipment will be on site during the work. With the exception of potential impacts to vegetation associated with the proposed overland travel route to GEO 11A, no biological, cultural, or water resources will be impacted by these activities.

It is anticipated that the total duration of this activity will be four days. Drilling at each boring location will start at 7:00 a.m. and activities will be finished no later than 7:00 p.m. Monday through Saturday. It is anticipated that the majority of the boring locations will be completed within one to two hours, depending on the depth and drilling conditions. As previously discussed, boring location GEO 11A is anticipated to take approximately two days to complete.

Summary of Resource Impacts

Visual Resources

Geotechnical investigations will not result in any permanent impacts to visual resources because all work will be conducted within or in the vicinity of the existing dirt road. In addition, work will be temporary and short-term, lasting approximately four days. Therefore, impacts to visual resources will not occur.

Air Quality

The Project’s Dust Control Plan, which was approved by the CPUC on October 12, 2012, will be implemented during the geotechnical investigations. In addition, geotechnical investigations will only require two drill rigs and two to three support vehicles, and traffic will not increase beyond the numbers.
analyzed in the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Thus, impacts to air quality will be minimized in accordance with the requirements of the Project’s Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) and no impacts to air quality—beyond those analyzed in the EIR/EIS—will occur.

**Biological Resources**

Literature and database searches, as well as general biological surveys, were conducted for the Project in 2008 to support the preparation of the Proponent’s Environmental Assessment (PEA). Additional rare plant surveys were conducted for the Project in 2009, 2010, 2011, and 2012. The rare plant survey results were submitted to the CPUC on October 24, 2012. Two rare plant species were observed within the survey area for the underground transmission alignments in 2012. As previously discussed, the proposed overland travel route to boring location GEO 11A is located in a vegetated area with the potential for one rare plant species—oceanblue larkspur—to occur. Oceanblue larkspur individuals were identified in the location of the proposed overland travel route to boring location GEO 11A during the 2012 rare plant surveys; however, the species is not currently present in the area due to its seasonal nature. With the exception of boring location GEO 11A and the associated overland travel route, proposed work activities are located in areas of bare ground or disturbance. The locations of the rare plant occurrences will be flagged for avoidance prior to drilling activities and biological monitors will be on site to ensure that impacts to resources are avoided. Any disturbance to vegetation will be restored, as necessary, in accordance with the Project’s Habitat Restoration Plan, which was approved by the CPUC on December 27, 2012. The holes created by geotechnical borings will be backfilled or securely covered following drilling activities; therefore, no open excavations will remain overnight. Thus, potential impacts to biological resources will be minimized in accordance with the MMCRP requirements and no impacts to biological resources—beyond those analyzed in the EIR/EIS—will occur.

**Cultural Resources**

A cultural resources study was conducted for the Project in August 2009. A copy of the cultural resources report was submitted to the CPUC as part of the PEA on August 10, 2009. The majority of the geotechnical borings will be conducted within the existing road shoulder. Approximately six geotechnical borings will be located within the boundaries of three cultural sites; however, a cultural resource monitor will be present to ensure that no sensitive cultural resources are impacted during boring activities. There are no sites eligible for inclusion in the California Register of Historical Resources or National Register of Historical Places that are present within the area of potential effect for the underground transmission alignments. The fieldwork portion of the East County Substation Data Recovery Project was completed in accordance with ECO-CUL-2, and the Bureau of Land Management (BLM) approved completion of the data recovery on December 21, 2012. Documentation of BLM approval is included as Attachment C: BLM Data Recovery Approval. Therefore, no impacts to cultural resources are anticipated.

**Geology, Mineral Resources, and Soils**

The Geotechnical Investigation Report, which includes an assessment of soil characteristics, was submitted to the CPUC on August 1, 2012. The majority of the geotechnical borings will be conducted within the existing dirt road shoulder. In addition, all boring locations will be temporary and the holes created will be backfilled or securely covered following drilling activities. No grading or vegetation removal will be required. If any soil stockpiles are left overnight, they will be covered and secured to prevent erosion in accordance with the requirements of the MMCRP. Therefore, no impacts related to geology, mineral resources, or soils—beyond those analyzed in the EIR/EIS—will occur.

**Hazards and Hazardous Materials**

A limited Phase I Environmental Site Assessment (ESA) in was performed in 2008 for the 138 kV transmission line route. The Phase I ESA was submitted to the CPUC as an attachment to the PEA on August 10, 2009. No known hazardous materials sites are located within the road shoulder for Carrizo Gorge Road and Old Highway 80. In addition, no known hazardous materials sites are located in the location for
GEO 11A. If any contaminated soils are encountered during the geotechnical investigations, contractors will stop work and notify the designated environmental field representative, as specified in the Project’s MMCRP. Therefore, no impacts related to hazards or hazardous materials beyond those analyzed in the EIR/EIS are anticipated.

Fire and Fuels Management
No vegetation removal, tree trimming, or grading will be conducted during the geotechnical investigations. In addition, the Project’s Fire Prevention Plans will be implemented during drilling activities in accordance with the MMCRP requirements. Therefore, no fire-related hazards beyond those analyzed in the EIR/EIS will occur as a result of the geotechnical investigations.

Water Resources
No work will occur within drainages. The holes will be backfilled or covered the same day of drilling, and any soil stockpiles left in place overnight will be covered and secured in accordance with the MMCRP requirements. In addition, the only water needed to perform the geotechnical investigations will be associated with dust control, and no wastewater will be generated. Therefore, no impacts to hydrological resources beyond those analyzed in the EIR/EIS will occur as a result of the geotechnical investigations.

Land Use and Planning
No change in the current land use of the underground transmission alignments will occur, as the majority of the work will be conducted within the road shoulder for existing public roadways, and no permanent structures will be installed. A public notice mailer, which is included as Attachment D: Public Notice Mailer, will be prepared and mailed no less than 15 days prior to construction, in accordance with the Project’s Construction Notification Plan, which was approved by the CPUC on October 31, 2012. Therefore, no impacts associated with land use and planning will occur as a result of the geotechnical investigations.

Noise
As previously discussed, geotechnical investigations will not increase the number of construction vehicles beyond what was analyzed in the Final EIR/EIS.

Public Services and Utilities
The majority of the geotechnical investigations will be conducted entirely within the road shoulder and will not increase the number of construction vehicles beyond what was analyzed in the Final EIR/EIS. In addition, the geotechnical investigations will be short in duration, lasting approximately four days. No lane closures will be required. Therefore, no impacts to emergency response services, school facilities, or recreational facilities are expected to occur. In addition, SDG&E will coordinate with all applicable utility providers and contact Underground Service Alert as appropriate prior to boring activities; therefore, no underground utilities will be impacted.

Wilderness and Recreation
The geotechnical investigations will be conducted within or in the vicinity of existing road shoulders. There are no recreational resources located within or near the proposed boring locations and geotechnical investigations will be temporary and short term; therefore, the geotechnical investigations will not result in any impacts to recreation.

Transportation and Traffic
The work along Carrizo Gorge Road and Old Highway 80 will require a traffic control permit from the County of San Diego, which is included as Attachment E: San Diego County Traffic Control Permit. The traffic control permit does not require a Traffic Control Plan to be implemented during the geotechnical investigations. As specified in the traffic control permit, traffic control will be minimal, consisting of advance warning signs and cones around the work area. No traffic lanes will be impacted and no lane
closures will be required. All of the boring locations will be off of the road pavement. All of the borings will be located to allow traffic to pass to the greatest extent possible. If necessary, the drill rig will stop work and move to allow traffic to pass safely. In addition, activities will be short in duration, lasting approximately four days; therefore, no permanent impacts to traffic or public transit will occur.

We respectfully request authorization of this NTP request by January 21, 2013, in order to meet the construction schedule and ensure that the design of the underground transmission alignments are complete prior to construction of that component of the Project. Should you have any questions or need additional information, please do not hesitate to contact me at (858) 503-5006.

Sincerely,

Don Houston
Environmental Project Manager
San Diego Gas & Electric Company

Attachment A: Geothermal Resistivity Test Boring Locations
Attachment B: Pre-Construction Status Report
Attachment C: BLM Data Recovery Approval
Attachment D: Public Notice Mailer
Attachment E: San Diego County Traffic Control Permit

cc: Anne Marie McGraw, Insignia Environmental
    Jeffry Coward, Insignia Environmental
    Kirstie Reynolds, San Diego Gas & Electric Company
    David Hochart, Dudek
ATTACHMENT A: GEOTHERMAL RESISTIVITY TEST BORING LOCATIONS
Attachment A: Geothermal Resistivity Test Boring Locations

- Existing Transmission Line
- Proposed 12 kV Temporary Distribution Tap
- Proposed 12 kV Distribution Pole
- Proposed 138 kV Overhead
- Proposed 138 kV Underground
- Proposed 138 kV Underground Alternate Get Away

- Existing SWPL Structure
- Proposed 12 kV Distribution Pole
- Proposed 138 kV Pole
- Proposed Riser Pole
- Proposed Steel Pole - 69 kV

- Existing Access Road
- Proposed Access Road
- Temporary Access Road
- Boulevard Substation
- Pull Site/Vault Pad
- Staging Area
- Geothermal Bore Pit Test Location
- Bureau of Land Management Land
- ECO Substation Pad

East County Substation Project

See Detail A
See Detail B

Detail A

Detail B
ATTACHMENT B: PRE-CONSTRUCTION STATUS REPORT
## Attachment B: Pre-Construction Status Report

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<th>Mitigation Measure Number</th>
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<td>BIO-01a</td>
<td>All construction areas, access to construction areas, and construction-related activities shall be strictly limited to the areas identified on the final engineering plans. The limits of the approved work space shall be delineated with stakes and/or flagging that shall be maintained throughout the construction period. An environmental monitor shall complete regular observations to ensure that all work is completed within the approved work limits, and in the event any work occurs beyond the approved limits, it shall be reported.</td>
<td>SDG&amp;E submitted GIS data showing the limits of approved work space to the CPUC on November 27, 2012. The limits of the approved work space for geotechnical work will be delineated with stakes and/or flagging immediately prior to construction. Environmental monitors will be present during construction to ensure that all work is completed within the approved work limits.</td>
<td>To be ImplementedImmediately Prior to Construction</td>
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<td>BIO-01b</td>
<td>Prior to construction, all developer, contractor, and subcontractor personnel shall receive training regarding the appropriate work practices necessary to implement the mitigation measures and comply with environmental regulations, including plant and wildlife species avoidance, impact minimization, and best management practices. Sign-in sheets and hard hat decals shall be provided that document contractor training has been completed for construction personnel.</td>
<td>SDG&amp;E provided the brochure, wallet card, cultural awareness video, hard-hat decal, and sign-in sheet to the CPUC on November 20, 2012. The materials were approved by the CPUC on December 10, 2012 and by the BLM on December 17, 2012. The environmental awareness education program for construction staff will be implemented in early January 2013, immediately prior to construction. Construction personnel who have not received education prior to construction will receive it immediately prior to them commencing work on the Project. SDG&amp;E will submit the sign-in sheets to the CPUC weekly prior to and during construction.</td>
<td>To be ImplementedImmediately Prior to Construction</td>
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<td>BIO-01d, Task 2</td>
<td>A habitat restoration specialist will be designated and approved by the California Public Utilities Commission and Bureau of Land Management and will determine the most appropriate method of restoration.</td>
<td>The habitat restoration specialist was approved by the CPUC and BLM on April 19, 2012.</td>
<td>Complete</td>
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<td>BIO-01d, Task 3</td>
<td>Restoration techniques may include: hydroseeding, hand-seeding, imprinting, and soil and plant salvage. Any salvage and relocation of species considered desert native plants shall be conducted in compliance with the California Desert Native Plant Act. The Habitat Restoration Plan shall include success criteria and monitoring specifications and shall be approved by the permitting agencies prior to construction of the project.</td>
<td>The Habitat Restoration Plan (HRP) was approved by the CDFG on December 11, 2012, by the USFWS on December 21, 2012, and by the CPUC on December 27, 2012. The HRP will be implemented during and following construction.</td>
<td>To Be ImplementedDuring Construction</td>
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<td>BIO-03a</td>
<td>A Noxious Weeds and Invasive Species Control Plan shall be prepared and reviewed by the California Public Utilities Commission/Bureau of Land Management and applicable permitting agencies. On BLM lands, the plan shall be consistent with an Integrated Pest Management approach per the Vegetation Treatments on Bureau of Land Management Lands in 17 Western States Programmatic Environmental Report (2007).</td>
<td>The final Noxious Weeds and Invasive Species Control Plan was approved by the CPUC on November 29, 2012.</td>
<td>Complete</td>
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<td>BIO-04a</td>
<td>(j) Prepare and file with the San Diego Air Pollution Control District, Bureau of Land Management and California Public Utilities Commission a Dust Control Plan that describes how these measures would be implemented and monitored at all locations of the project. This plan shall be developed consistent with the requirements of Mitigation Measure AQ-1.</td>
<td>The CPUC approved the Dust Control Plan on October 12, 2012. The Dust Control Plan was submitted to the SDAPCD on October 16, 2012. The BLM indicated on August 29, 2012 that they do not need to review the Dust Control Plan.</td>
<td>Complete</td>
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<td>BIO-05a</td>
<td>Prior to the start of construction, a qualified biologist shall conduct focused surveys during the appropriate blooming period for special-status plant species for all construction areas. All of the special-status plant locations shall be recorded using a Global Positioning System (GPS), which will be used to site the avoidance fencing/flagging.</td>
<td>A qualified biologist was approved by the CPUC on April 12, 2012. Surveys for special-status plant species were conducted between April 19 and May 3 and August 28 and August 30. All locations were recorded using a GPS unit. The rare plant survey results were submitted to the CPUC on October 24, 2012. The 2012 Rare Plant Survey Report was submitted to the CPUC on November 13, 2012. All special-status plant species in close proximity to the geotechnical boring locations will be flagged immediately prior to construction.</td>
<td>To be Implemented Immediately Prior to Construction</td>
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<td>ECO-BIO-08</td>
<td>Prior to construction, all SDG&amp;E, contractor, and subcontractor Project personnel will receive training regarding the appropriate work practices necessary to effectively implement the APMs and to comply with the applicable environmental laws and regulations, including appropriate wildlife avoidance; impact minimization procedures; the importance of these resources, and the purpose and necessity of protecting them; and methods for protecting sensitive ecological resources. The training will include BMPs to reduce the potential for erosion and sedimentation during construction of the Project.</td>
<td>The intent and requirements of ECO-BIO-08 will be satisfied through the implementation of environmental awareness education for all construction staff prior to construction, which is required by BIO-01b. The environmental awareness education program for construction staff will be implemented in early January 2013, immediately prior to construction. Construction personnel who have not received education prior to construction will receive it immediately prior to them commencing work on the Project. SDG&amp;E will submit the sign-in sheets to the CPUC weekly prior to and during construction.</td>
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<td>VIS-03f</td>
<td>Only the minimum amount of vegetation necessary for the construction of structures and facilities will be removed. Topsoil located in areas to be restored shall be conserved during excavation and reused as cover on disturbed areas to facilitate re-growth of vegetation. Topsoil located in developed or disturbed areas is excluded from this measure.</td>
<td>The plan for revegetation of temporarily disturbed areas is described in the Habitat Restoration Plan. Refer to BIO-01d regarding the status of agency review and approval of the Habitat Restoration Plan. The Habitat Restoration Plan will be implemented during and following boring activities, as necessary.</td>
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| LU-01a                    | Forty-five days prior to construction, SDG&E shall prepare and submit a Construction Notification Plan to the BLM and CPUC for approval. The Plan shall identify the procedures that will be used to inform property owners of the location and duration of construction, identify approvals that are needed prior to posting or publication of construction notices, and include text of proposed public notices and advertisements. The Plan shall address at a minimum two of the following components:  
  - Public notice mailer. A public notice mailer shall be prepared and mailed no less than 15 days prior to construction. The notice shall identify construction activities that would restrict, block, remove parking, or require a detour to access existing residential properties. The notice shall state the type of construction activities that will be conducted and the location and duration of construction, including all helicopter activities. SDG&E shall mail the notice to all residents or property owners within 1,000 feet of project components. If construction delays of more than 7 days occur, an additional notice shall be prepared and distributed.  
  - Newspaper advertisements. Fifteen days prior to construction within a route segment, notices shall be placed in local newspapers and bulletins, including Spanish language newspapers and bulletins. The notice shall state when and where construction will occur and provide information about the public liaison person and hotline. If construction is delayed for more than 7 days, an additional round of newspaper notices shall be placed to discuss the status and schedule of construction.  
  - Public venue notices. Thirty days prior to construction, notice of construction shall be posted at public venues such as libraries, community notification boards, post offices, rest stops, community centers, and other public venues to inform affected residents of the purpose and schedule of construction activities.  
  - Public liaison person and toll-free information hotline. SDG&E shall identify and provide a public liaison person before and during construction to respond to concerns of neighboring property owners about noise, dust, and other construction disturbances. Procedures for reaching the public liaison officer via telephone or in person shall be included in notices distributed to the public. SDG&E shall also establish a toll-free telephone number for receiving questions or complaints during construction and shall develop procedures for responding to callers. Procedures for handling and responding to calls shall be addressed in the Construction Notification Plan. | The Construction Notification Plan was approved by the CPUC on October 31, 2012. The BLM indicated on August 29, 2012 that they do not need to review the Construction Notification Plan prior to construction. A public notice mailer is included as Attachment D: Public Notice Mailer to this Notice to Proceed (NTP) request. The notice is pending CPUC approval and SDG&E will mail the approved notice immediately prior to construction. | Pending   |
<p>| CUL-01a                   | A Historic Properties Treatment Plan-Cultural Resources Management Plan (HPTP-CRMP) shall be prepared to avoid or mitigate impacts for significant cultural resources pursuant to Section 106 Guidelines. An MOA shall be developed among all federal, state, and local agencies to implement the HPTP-CRMP. As part of the HPTP-CRMP, recorded cultural resources that can be avoided shall be listed and demarcated during construction as Environmentally Sensitive Areas (ESAs). All recommended NRHP- and/or CRHR-eligible resources that would not be affected by direct impacts, but are within 100 feet of direct impact areas, shall be designated as ESAs. Protective fencing or other markers shall be erected and maintained on SDG&amp;E-owned property, easements, or ROW to protect ESAs from inadvertent trespass for the duration of construction in the vicinity (the ESA fencing should demarcate the limits of the construction areas and where people have to stay within the easement, ROW, or SDG&amp;E-owned property). An archaeologist shall monitor during ground-disturbing activities at all cultural resource ESAs. The HPTP-CRMP shall also define any additional areas that are considered to be of high sensitivity for discovery of buried NRHP-eligible historic properties and CRHR-eligible historic resources, including burials, cremations, or sacred features. These areas of high sensitivity shall also be monitored by qualified archaeologists during construction. | The Research Design for Archaeological Data Recovery at CA-SDI-7074 (HPTP) was approved by the BLM on August 10, 2012. The MOA was signed by all signatory parties on August 10, 2012. The final HPTP was incorporated into the final MOA, which was provided to the CPUC in August of 2012. The CRMP was approved by the BLM on August 10, 2012. The CRMP was submitted to the CPUC on September 24, 2012. No NRHP- and/or CRHR-eligible resources are present within the geotechnical investigation locations. An archaeological monitor will be present during boring activities conducted at all cultural resource ESAs. | To Be Implemented During Construction |</p>
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<td>CUL-01c</td>
<td>All construction personnel shall be trained regarding the recognition of possible buried cultural remains and protection of all cultural resources, including prehistoric and historic resources during construction, prior to the initiation of construction or ground-disturbing activities. SDG&amp;E shall complete training for all construction personnel and retain documentation showing when training of personnel was completed. Training shall inform all construction personnel of the procedures to be followed upon the discovery of archaeological materials, including Native American burials. Training shall inform all construction personnel that shall be avoided, and that travel and construction activity shall be confined to designated roads and areas. All personnel shall be instructed that unauthorized collection or disturbance of artifacts or other cultural materials on or off the ROW by SDG&amp;E, its representatives, or employees shall not be allowed. Violators shall be subject to prosecution under the appropriate State and federal laws, and violations shall be grounds for removal from the project. Unauthorized resource collection or disturbance may constitute grounds for the issuance of a stop work order. The following issues shall be addressed in training or in preparation for construction: All construction contracts shall require construction personnel to attend training so they are aware of the potential for inadvertently exposing buried archaeological deposits, their responsibility to avoid and protect all cultural resources, and the penalties for collection, vandalism, or inadvertent destruction of cultural resources. SDG&amp;E shall provide training for supervisory construction personnel describing the potential for exposing cultural resources and procedures and notifications required in the event of discoveries by project personnel or archaeological monitors. Supervisors shall also be briefed on the consequences of intentional or inadvertent damage to cultural resources. Supervisory personnel shall enforce restrictions on collection or disturbance of artifacts or other cultural resources. SDG&amp;E coordinated with the BLM regarding the cultural awareness video and materials on November 13, 2012. SDG&amp;E provided the cultural awareness video to the BLM on December 10, 2012. SDG&amp;E provided the brochure, wallet card, cultural awareness video, sign-in sheet, and hard-hat decal to the CPUC on November 20, 2012. The materials were approved by the CPUC on December 10, 2012 and by the BLM on December 17, 2012. The environmental awareness education program for construction staff will be implemented in early January 2013, immediately prior to construction. Construction personnel who have not received education prior to construction will receive it immediately prior to them commencing work on the Project. SDG&amp;E will submit the sign-in sheets to the CPUC weekly prior to and during construction.</td>
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<td>CUL-02</td>
<td>All location of known Native American human remains shall be avoided through project design and designation as ESAs if within 100 feet of project components.</td>
<td>No Native American human remains have been identified in the Project area. If any Native American human remains are discovered, they will be avoided during construction.</td>
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<td>ECO-CUL-02</td>
<td>At least 120 days prior to construction, a cultural/historical resource consultant will be retained by SDG&amp;E to complete an analysis and assessment of the potential to disturb resources that were identified during the initial studies from major ground-disturbing activities. The analysis and assessment will be prepared to meet the requirements of the CEQA and NEPA. Project component sites that require testing for significance determination will be treated on a case-by-case basis using all applicable criteria. SDG&amp;E has contracted with ASM Affiliates under Insignia Environmental to provide qualified archaeologists for the Project. Potentially CRHR/NRHP eligible sites were analyzed and assessed in the August 2011 Eligibility Report prepared by ASM Affiliates. The fieldwork portion of the East County Substation Data Recovery Project was completed in accordance with the HPTP, and the BLM approved the completion of the data recovery on December 21, 2012. Documentation of the BLM’s approval is included as Attachment C: BLM Data Recovery Approval.</td>
<td>Complete</td>
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| PALEO-01e                  | Prior to the initiation of construction or ground-disturbing activities, all construction personnel shall be trained regarding the recognition of possible subsurface paleontological resources and protection of all paleontological resources during construction. The project shall complete training for all construction personnel. Training shall inform all construction personnel of the procedures to be followed upon the discovery of paleontological materials. Training shall inform all construction personnel that Environmentally Sensitive Areas include areas determined to be paleontologically sensitive, as defined on the paleontological sensitivity maps for the project, and must be avoided, and that travel and construction activity must be confined to designated roads and areas. All personnel shall be instructed that unauthorized collection or disturbance of protected fossils on or off the ROW by the project, its representatives, or employees will not be allowed. Violators will be subject to prosecution under the appropriate state and federal laws, and violations will be grounds for removal from the project. Unauthorized resource collection or disturbance may constitute grounds for the issuance of a stop-work order. The following issues shall be addressed in training or in preparation for construction:  
· All construction contracts shall include clauses that require construction personnel to attend training so they are aware of the potential for inadvertently exposing subsurface paleontological resources, their responsibility to avoid and protect all such resources, and the penalties for collection, vandalism, or inadvertent destruction of paleontological resources.  
· The project shall provide a background briefing for supervisory personnel describing the potential for exposing paleontological resources, the location of any potential Environmentally Sensitive Areas, and procedures and notifications required in the event of discoveries by project personnel or paleontological monitors. Supervisory personnel shall enforce restrictions on collection or disturbance of fossils.  
· Upon discovery of paleontological resources by paleontologists or construction personnel, work in the immediate area of the find shall be diverted, and the project paleontologist shall be notified. Once the find has been inspected and a preliminary assessment made, the project paleontologist will notify the lead agency and other appropriate land managers and proceed with data recovery in accordance with the approved Treatment Plan consistent with Mitigation Measure PALEO-1B (Develop Paleontological Monitoring and Treatment Plan). | SDG&E submitted the contract language to the CPUC on September 4, 2012. SDG&E submitted the brochure, wallet card, hard-hat decal, sign-in sheet, and paleontological resources awareness materials to the CPUC on November 20, 2012. The materials were approved by the CPUC on December 10, 2012 and by the BLM on December 17, 2012. The environmental awareness education program for construction staff will be implemented in early January 2013, immediately prior to construction. Construction personnel who have not received education prior to construction will receive it immediately prior to them commencing work on the Project. | To be Implemented Immediately Prior to Construction |
| ECO-NOI-02                 | SDG&E will provide notice of the construction plans to all property owners within 300 feet of the Project by mail at least one week prior to the start of construction activities. The announcement will state the construction start date, anticipated completion date, and hours of operation, and will also provide a telephone contact number for receiving questions or complaints during construction. | The Construction Notification Plan was approved by the CPUC on October 31, 2012. The BLM indicated on August 29, 2012 that they do not need to review the Construction Notification Plan prior to construction. Property owners will be notified of construction plans one week prior to the start of construction in this location. | To be Implemented Immediately Prior to Construction |
| TRA-01                    | At minimum, the plan will include the following:  
· SDG&E shall encourage carpooling to the construction site to reduce personal vehicle traffic in the project area to the greatest extent possible.  
· SDG&E will consider the specific object sizes, weights, origin, destination, and unique handling requirements, and evaluate alternative transportation approaches.  
· Measures such as informational signs and flaggers shall be implemented when equipment may result in blocked roadways, and traffic cones or similar shall be implemented to identify any necessary changes in temporary lane configuration.  
· Flaggers and directional guidance for bicyclists along Old Highway 80 shall be used.  
· All Caltrans’ standards for utility encroachments shall be met.  
· The plan shall be prepared in accordance with Caltrans' Manual on Uniform Traffic Control Devices and the Work Area Traffic Control Permit. | SDG&E has obtained a traffic control permit from the County of San Diego, which is included as Attachment E: San Diego County Traffic Control Permit. Traffic control measures will be implemented as specified in the traffic control permit. A Traffic Control Plan is not required. | To be Implemented Immediately Prior to Construction |
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<td>TRA-02</td>
<td>If damage to roads occurs, SDG&amp;E shall coordinate repairs with the affected public agencies to ensure that any impacts to area roads are adequately repaired at SDG&amp;E's cost. Roads disturbed by construction activities or construction vehicles shall be properly restored to ensure long-term protection of road surfaces. Care shall be taken to prevent damage to roadside drainage structures. Roadside drainage structures and road drainage features (e.g., rolling dips) shall be protected by regrading and reconstructing roads to drain properly. Said measures shall be incorporated into an access agreement/easement with the applicable governing agency prior to construction.</td>
<td>SDG&amp;E has obtained a traffic control permit from the County of San Diego, which is included as Attachment E: San Diego County Traffic Control Permit. Traffic control measures will be implemented as specified in the traffic control permit. If damage to roads occurs during construction, SDG&amp;E will repair roads in coordination with San Diego County.</td>
<td>To be Implemented Immediately Prior to Construction</td>
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<td>GEO-02</td>
<td>The design-level geotechnical studies to be performed by SDG&amp;E shall identify the presence, if any, of potentially detrimental soil chemicals, such as chlorides and sulfates. Appropriate design measures shall be utilized for protection of reinforcement, concrete, and metal-structural components against corrosion, including use of corrosion-resistant materials and coatings, increased thickness of project components exposed to potentially corrosive conditions, and use of passive and/or active cathodic protection systems. The geotechnical studies shall also identify areas with potentially expansive or collapsible soils and include appropriate design features, including excavation of potentially expansive or collapsible soils during construction and replacement with engineered backfill, ground-treatment processes, and redirection of surface water and drainage away from expansive foundation soils. Studies shall conform to industry standards of care and ASTM standards for field and laboratory testing. Design shall conform to applicable sections of the County of San Diego grading codes, CBC, and the standard specifications for public works construction. The geotechnical studies prepared by a certified geologist shall be submitted to CPUC and BLM 60 days prior to construction of proposed structures.</td>
<td>The Geotechnical Investigation Report, which includes an assessment of soil characteristics, was submitted to the CPUC on August 1, 2012. Additional design-level geotechnical studies will be conducted under this NTP once approved by the CPUC.</td>
<td>To be Implemented During Construction</td>
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<td>GEO-03</td>
<td>The applicant shall perform design-level geotechnical investigations to evaluate the potential for liquefaction, lateral spreading, seismic slope instability, and ground-cracking hazards to affect the approved project and all associated facilities. Where these hazards are found to exist, appropriate engineering design and construction measures that meet CBC and IEEE design parameters shall be incorporated into the project designs. Appropriate measures for project facilities could include construction of pile foundations, ground improvement of liquefiable zones, installation of flexible bus connections, and incorporation of slack in underground cables to allow ground deformations without damage to structures. The geotechnical investigations prepared by a certified geologist shall be submitted to CPUC and BLM 60 days prior to construction of proposed structures.</td>
<td>Refer to GEO-02 regarding the status of the Geotechnical Investigation Report.</td>
<td>Complete</td>
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| HAZ-01a, Task 1          | Prior to approval of final construction plans, SDG&E shall prepare an HMMP for the construction phase of the project, which shall be reviewed and approved by the appropriate agency, and shall include the following components:  
- The plan shall identify all hazardous materials that will be present on any portion of the construction site, including, but not limited to, fuels, solvents, and petroleum products. The plan shall address storage, use, transportation, and disposal of each hazardous material anticipated to be used at the site. The plan shall establish inspection procedures, storage requirements, storage quantity limits, inventory control, nonhazardous product substitutes, and disposition of excess materials.  
- The plan shall identify secondary containment and spill prevention countermeasures, as well as a contingency plan to identify potential spill hazards, how to prevent their occurrence, and responses for different quantities of spills that may occur. Secondary containment and countermeasures shall be in place throughout construction so that if any leaks or spills occur, responses will be made immediately.  
- The plan shall identify materials (and their locations) that will be on site and readily accessible to clean up small spills (i.e., spill kit, absorbent pads, and shovels). Such emergency spill supplies and equipment shall be clearly marked and located adjacent to all areas of work and in construction staging areas. The plan shall identify the spill-response materials that must be maintained in vehicles and substation sites during construction and procedures for notification to the appropriate authorities.  
- The plan shall identify adequate safety and fire suppression devices for construction-related activities involving toxic, flammable, or explosive materials (including refueling construction vehicles and equipment). Such devices shall be readily accessible on the project site, as specified by the County's Fire Department and per the Uniform Building Code and Uniform Fire Code. The plan shall be included as part of all contractor specifications and final construction plans to the satisfaction of the appropriate agency. The plan shall also identify requirements for notices to federal and local emergency response authorities and shall include emergency response plans. The plan shall be submitted to BLM and CPUC at least 30 days prior to construction. | The CPUC approved the Hazardous Materials and Waste Management Plan on October 31, 2012. The BLM indicated on August 29, 2012 that they do not need to review the plan prior to construction. The plan will be implemented during construction. | To Be Implemented During Construction |
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<td>HAZ-01a, Task 2</td>
<td>Prior to construction, all contractor and subcontractor personnel shall receive training regarding the components of the HMMP, as well as applicable environmental laws and regulations related to hazardous materials handling, storage, and spill prevention and response measures.</td>
<td>The requirements of the HMMP have been incorporated into the environmental awareness education program. SDG&amp;E provided the brochure, wallet card, sign-in sheet, and hard-hat decal to the CPUC on November 20, 2012. The materials were approved by the CPUC on December 10, 2012.</td>
<td>To Be Implemented Immediately Prior to Construction</td>
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<td>HAZ-01a, Task 3</td>
<td>SDG&amp;E shall designate an environmental field representative who shall be on site to observe, enforce, and document adherence to the plan for all construction activities.</td>
<td>SDG&amp;E has designated Kevin Dickison as the Designated Field Representative (Hazardous Materials). The environmental field representative or his designee will be on site during construction to ensure adherence to the Hazardous Materials and Waste Management Plan.</td>
<td>To be Implemented During Construction</td>
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<td>HAZ-01b, Task 1</td>
<td>Prior to approval of final construction plans, SDG&amp;E shall prepare a Health and Safety Program for each applicable phase of the project (i.e., construction, operation, and decommissioning). The program shall be developed to protect both workers and the general public during all phases of the project. The program shall include standards regarding occupational safety, safe work practices for each task, hazard training requirements for workers, and mechanisms for documentation and reporting. Regarding occupational health and safety, the program should identify all applicable federal and state occupational safety standards; establish safe work practices for each task (e.g., requirements for personal protective equipment and safety harnesses; OSHA standard practices for safe use of explosives and blasting agents; and measures for reducing occupational EMF exposures); establish fire safety evacuation procedures; and define safety performance standards (e.g., electrical system standards and lightning protection standards). The program should include a training program to identify hazard training requirements for workers for each task and establish procedures for providing required training to all workers. The program should include worker training regarding how to identify potentially contaminated soils and/or groundwater. Documentation of training and a mechanism for reporting serious accidents to appropriate agencies shall be established. The program should identify requirements for temporary fencing around staging areas, storage yards, and excavation areas during construction or decommissioning activities. Such fencing should be designed to restrict transient traffic, off-highway vehicle (OHV) use, and the general public from accessing areas under construction and should be removed once construction or decommissioning activities are complete. The program should also identify appropriate measures to be taken during operation of the project to limit public access to hazardous facilities (e.g., permanent fencing, locked access). In order to inform workers and the general public of the dangers of abandoned mines, pamphlets with the &quot;Stay Out-Stay Alive&quot; information used by federal and state governments should be distributed as part of the program. The program shall be submitted to BLM and CPUC at least 30 days prior to construction.</td>
<td>The CPUC approved the Health and Safety Program and Safety Assessment on December 13, 2012. The Health and Safety Program and Safety Assessment will be implemented during construction.</td>
<td>To be Implemented During Construction</td>
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<td>HAZ-01b, Task 2</td>
<td>SDG&amp;E shall designate an environmental field representative who shall be on site to observe, enforce, and document adherence to the program for all construction activities.</td>
<td>SDG&amp;E has designated Kevin Dickison as the Designated Field Representative (Hazardous Materials). The environmental field representative or his designee will be on site during construction to ensure adherence to the Health and Safety Program and Safety Assessment.</td>
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<td>HAZ-01c, Task 1</td>
<td>Prior to approval of final construction plans, SDG&amp;E shall prepare a Waste Management Plan, which shall determine waste procedures, waste storage locations, waste-specific management and disposal requirements, inspection procedures, and waste minimization procedures. The plan shall be submitted to CPUC and BLM at least 30 days prior to construction.</td>
<td>The Waste Management Plan has been combined with the Hazardous Material Management Plan required by Mitigation Measure HAZ-01a. The CPUC approved the Hazardous Materials and Waste Management Plan on October 31, 2012. The BLM indicated on August 29, 2012 that they do not need to review the plan prior to construction. The plan will be implemented during construction.</td>
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<td>HAZ-01c, Task 2</td>
<td>SDG&amp;E shall designate an environmental field representative who shall be on site to observe, enforce, and document adherence to the plan for all construction activities.</td>
<td>SDG&amp;E has designated Kevin Dickison as the Designated Field Representative (Hazardous Materials). The environmental field representative or his designee will be on site during construction to ensure adherence to the Hazardous Materials and Waste Management Plan.</td>
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<td>HAZ-02b</td>
<td>If soil or groundwater contamination is suspected or encountered during grading or excavation activities (e.g., unusual soil discoloration or strong odors), SDG&amp;E's contractors or subcontractors shall immediately stop work and notify the designated environmental field representative. All work in the area of suspected contamination shall cease, the work area shall be cordoned off, and the environmental field representative shall implement appropriate health and safety procedures. Work outside the suspected area may continue as determined by the environmental field representative. Preliminary samples of the soil, groundwater, or suspected material shall be taken by OSHA-trained individuals and sent to a California Certified Laboratory for characterization. If the sample testing determines that contamination is not present, work shall continue at the previously suspected site. If contamination is found above regulatory limits, however, the appropriate regulatory agency (e.g., RWQCB or Certified Unified Program Agency (CUPA)) responsible for responding to and providing environmental oversight of the region shall be notified in accordance with state or local regulations. In addition, SDG&amp;E shall contact the appropriate regulatory agencies for the State of California (e.g., DTSC or RWQCB) and the County to plan options for handling, treating, and/or disposing of materials. Documentation of the suspected contamination shall be made in the form of a report, identifying the location and potential contamination, as well as the process used for sampling. Results of laboratory testing and recommended resolutions for handling and excavating materials found to exceed regulatory requirements shall be submitted to the BLM and CPUC for review and approval.</td>
<td>The CPUC confirmed this is not a pre-construction requirement on December 14, 2012. This measure will be implemented during construction.</td>
<td>To be Implemented During Construction</td>
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<td>HAZ-04a</td>
<td>Prior to commencing construction activities, SDG&amp;E shall conduct a safety assessment to describe potential safety issues associated with the project, how safety prevention measures would be implemented, where medical aid kits would be located, the appropriate response action for each safety hazard, and procedures for notifying the appropriate authorities. The assessment shall address issues such as site access, construction hazards, safe work practices, security, heavy equipment transportation, traffic management, emergency procedures, and fire control.</td>
<td>The CPUC approved the Health and Safety Program and Safety Assessment on December 13, 2012. The Health and Safety Program and Safety Assessment will be implemented during construction.</td>
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<td>HYD-03</td>
<td>Prior to construction SDG&amp;E will prepare comprehensive documentation that identifies one or more confirmed, reliable water sources that when combined meet the project's full water supply construction needs. Documentation will consist of the following:</td>
<td>The Construction Water Supply Plan was submitted to the CPUC on November 16, 2012. Comments on the Construction Water Supply Plan were received from the CPUC on November 26, 2012. The plan was resubmitted to the CPUC on December 4, 2012. Comments from the CPUC were received on December 13, 2012. The BLM indicated on August 29, 2012 that they will not need to review the Construction Water Supply Plan prior to construction. SDG&amp;E will submit additional documentation as requested to the CPUC.</td>
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<td>FF-01</td>
<td>San Diego Gas &amp; Electric Company (SDG&amp;E) shall develop a multiagency Construction Fire Prevention/Protection Plan in consultation with the California Department of Forestry and Fire Protection (CAL FIRE), San Diego Rural Fire Protection District (SDRFPD), and San Diego County Fire Authority (SDCFA) to the satisfaction of the CPUC. SDG&amp;E shall monitor construction activities to ensure implementation and effectiveness of the plan. The final plan will be approved by the CPUC prior to the initiation of construction activities and shall be implemented during all construction activities by SDG&amp;E. At minimum, the plan will include the following:</td>
<td>The San Diego Rural Fire Protection District (SDRFPD) and the San Diego County Fire Authority (SDCFA) are the only fire agencies with jurisdiction over the locations where the geotechnical boring is proposed. SDG&amp;E submitted the final approved Construction Fire Prevention/Protection Plan with the SDRFPD approval letter to the CPUC on December 19, 2012. SDG&amp;E will provide documentation of SDCFA approval of the Construction Fire Prevention/Protection Plan to the CPUC. This measure is also pending CPUC approval of the Construction Fire Prevention/Protection Plan.</td>
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Additional restrictions will include the following:

- During the construction phase of the project, SDG&E shall implement ongoing fire patrols. SDG&E shall maintain fire patrols during construction hours and for 1 hour after end of daily construction, and hotwork.
- Fire Suppression Resource Inventory - In addition to 14 CCR 918.1(a), (b), and (c), SDG&E shall update in writing the 24-hour contact information and on-site fire suppression equipment, tools, and personnel list on a quarterly basis and provide it to the CAL FIRE, SDRFPD, and SDCFA.
- During Red Flag Warning events, as issued daily by the National Weather Service in state responsibility areas (SRAs) and local responsibility areas (LRA), all non-essential, non-emergency construction and maintenance activities shall cease or be required to operate under Hot Work Procedure.
- SDG&E and contractor personnel shall be informed of changes to the Red Flag event status and PAL as stipulated by CAL FIRE and CNF.
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<td>· All construction crews and inspectors shall be provided with radio and/or cellular telephone access that is operational throughout the project area to allow for immediate reporting of fires. Communication pathways and equipment shall be tested and confirmed operational each day prior to initiating construction activities at each construction site. All fires shall be reported to the fire agencies with jurisdiction in the project area immediately upon ignition.</td>
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<td>· Each crew member shall be trained in fire prevention, initial attack firefighting, and fire reporting. Each member shall carry at all times a laminated card listing pertinent telephone numbers for reporting fires and defining immediate steps to take if a fire starts. Information on contact cards shall be updated and redistributed to all crew members as needed, and outdated cards destroyed, prior to the initiation of construction activities on the day the information change goes into effect.</td>
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<td>· Each member of the construction crew shall be trained and equipped to extinguish small fires with hand-held fire extinguishers in order to prevent them from growing into more serious threats. Each crew member shall at all times be within 100 feet of a vehicle containing equipment necessary for fire suppression as outlined in the final Construction Fire Prevention/Protection Plan. SDG&amp;E will provide a draft copy of the Construction Fire Prevention/Protection Plan to the CAL FIRE, SDRFPD, and SDCFA for comment a minimum of 90 days prior to the start of any construction activities. The comments will be provided back to SDG&amp;E and revisions to the plan will address each comment to the satisfaction of the CPUC. The final plan will be approved by the CPUC with input from CAL FIRE, SDRFPD, SDCFA, and BLM, as desired, prior to the initiation of construction activities and provided to SDG&amp;E for implementation during all construction prior to the initiation of construction activities.</td>
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| FF-02                    | Revise the Wildland Fire Prevention and Fire Safety Electric Standard Practice Plan (2009) to create the Wildland Fire Prevention and Fire Safety Electric Standard Practice Operational Maintenance Plan. The revised plan will address the ECO Substation Project and will be implemented during all operational maintenance work associated with the project for the life of the project. Important fire safety concepts that will be included in this document are as follows:  
· Implement existing practices including Electric Standard Practice 113.1, Maintenance of existing Remote Automated Weather Stations and territory-wide weather system monitoring, adjusted system reclosing policies (patrols), replacement of wood poles with steel in priority areas, and additional measures as may be developed, participation in San Diego County FireSafe Council and other public outreach.  
· Guidance on where maintenance activities may occur (non-vegetated areas, cleared access roads, and work pads that are approved as part of the project design plans) Fuel modification buffers required by the Fire Protection Plan (FPP)  
· When vegetation work will occur (prior to any other work activity)  
· Timing of vegetation clearance work to reduce likelihood of ignition and or fire spread  
· Coordination procedures with fire authority  
· Integration of the project’s Construction Fire Prevention/Protection Plan content  
· Personnel training and fire suppression equipment  
· Fire safety coordinator role as manager of fire prevention and protection procedures, coordinator with fire authority and educator  
· Communication protocols  
· Incorporation of CAL FIRE, San Diego Rural Fire Protection District (SDRFPD), and SDCFA reviewed and approved Response Plan mapping and assessment.  
· Other information as provided by CAL FIRE, SDRFPD, SDCFA, BLM, and CPUC  
SDG&E will provide a draft copy of the Wildland Fire Prevention and Fire Safety Electric Standard Practice Operational Maintenance Plan to CAL FIRE, SDRFPD, SDCFA, BLM, and CPUC for comment a minimum of 90 days prior to the start of any construction activities. The comments will be provided back to SDG&E and plan revisions will address each comment to the satisfaction of the CPUC. The final plan will be approved by the CPUC prior to energizing the project and provided to SDG&E for implementation during all operational maintenance activities. | The Wildland Fire Prevention and Fire Safety Electric Standard Practice 113.1, which was revised in consultation with relevant agencies, was submitted to the CPUC on November 19, 2012. Comments were received from the CPUC on November 29, 2012. SDG&E submitted a response to the comments to the CPUC on December 10, 2012. This measure is pending CPUC approval. | Pending |
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<td>FF-03, Task 1</td>
<td>Provide assistance to SDRFPD and SDCFA to improve the response and firefighting effectiveness near electrical substations, transmission lines, and aerial infrastructure based on project fire risk and protection needs. Assistance by SDG&amp;E shall include providing funding for one SDCFA Fire Code Specialist II position to enforce existing fire code requirements, including but not limited to implementing required fuel management requirements (e.g., defensible space), in priority areas to be identified by the SDCFA for the life of the project. All fuel management activities shall be in accordance with CEQA Guidelines Section 15304 (i), which indicates that the minor land alteration activities will not have a significant effect on the environment, as the activities will not result in the taking of endangered, rare, or threatened plant or animal species or significant erosion and sedimentation of surface waters. In addition, SDG&amp;E is to provide funding to allow SDCFA to employ up to four volunteer/reserve firefighters as part-time code inspectors on a stipend basis for up to 90 days per year for the life of the project. The funding for the SDCFA Fire Code Specialist II position and the four volunteer/reserve firefighters as part-time code inspectors will be provided through proportional contributions, to be determined by CPUC and BLM, from SDG&amp;E (and the other applicant(s)) to the SDCFA prior to construction.</td>
<td>The SDRFPD provided a proposed payment schedule to the CPUC and SDG&amp;E on October 9, 2012. An MOU dated October 9, 2012, which includes a proposed payment schedule indicating that payments shall not begin until 2013, has been executed with the SDRFPD and was submitted to the CPUC with NTP Request #2 on December 20, 2012. SDG&amp;E will provide a payment schedule or evidence of funding for the SDCFA to the CPUC.</td>
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<td>FF-03, Task 2</td>
<td>A fixed annual fire mitigation fee of approximately $116,600 will be provided by SDG&amp;E to SDRFPD for mitigation funding. The funding will be utilized to assist with the purchase and maintenance of a Type I engine with an aqueous film forming foam (AFF) apparatus with a deck gun to apply a heavy stream. In addition, the funding will be utilized to provide for a third volunteer stipend to staff the engine with firefighters and training for electrical firefighting for 10 personnel (2 per year on a 5-year rotation). The fire mitigation fee will be paid annually during the life of the project and terminated upon decommissioning of the substation and related facilities.</td>
<td>The SDRFPD provided a proposed payment schedule to the CPUC and SDG&amp;E on October 9, 2012. An MOU dated October 9, 2012, which includes a proposed payment schedule indicating that payments shall not begin until 2013, has been executed with the SDRFPD and was submitted to the CPUC with NTP Request #2 on December 20, 2012. SDG&amp;E will provide an annual fire mitigation fee of approximately $116,600 to the SDRFPD and provide evidence of the funding to the CPUC.</td>
<td>To be Implemented During Construction</td>
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<td>FF-04</td>
<td>A draft Fire Protection Plan (FPP) will be submitted to CAL FIRE, SDRFPD, and SDCFA at least 90 days before the start of any construction activities. Comment on the draft FPP shall be provided to SDG&amp;E and SDG&amp;E shall resolve each comment in consultation with each responsible agency. The final FPP shall be approved by the CPUC prior to the initiation of construction activities. The FPP will include, at minimum, the following: - San Diego County FPP Content Requirements (<a href="http://www.sdcou1nty.ca.gov/dplu/docs/Fire-Report-Format.pdf">http://www.sdcou1nty.ca.gov/dplu/docs/Fire-Report-Format.pdf</a>) - Rural Fire Protection District Content Requirements: Provisions for fire safety and prevention; Water supply; Fire suppression/detection systems - built-in detection system with notification; Secondary containment; Site security and access; Emergency shut-down provisions - Integration into plans prepared to satisfy Mitigation Measures FF-1 and FF-2 The FPP will be incorporated into MM FF-1, the Construction Fire Prevention/Protection Plan, and MM FF-2, the Wildland Fire Prevention and Fire Safety Electric Standard Practice (2009) Operational Maintenance Plan. The Customized Fire Protection Plan will incorporate clarifications and additional ECO Substation Project APMs described in Section B of this EIR/EIS.</td>
<td>The SDRFPD approved the Fire Protection Plan on November 7, 2012. SDG&amp;E submitted the SDRFPD-approved Fire Protection Plan to the CPUC with the SDRFPD approval letter on November 12, 2012. SDG&amp;E will provide documentation of SDCFA approval of the Fire Protection Plan to the CPUC. The Fire Protection Plan is also pending CPUC approval.</td>
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<tr>
<td>FF-06</td>
<td>Provide funding for Boulevard/Jacumba/La Posta FireSafe Council with a clarified focus of coordinating a Community Wildfire Protection Plan (CWPP) and Evacuation Plan. Funding for the Boulevard/Jacumba/La Posta FireSafe Council will enable this newly formed organization a means to proactively complete these plans, provisions for applying for grant funding, and ultimately, for implementing fuel reduction and evacuation plans. Funding will be a lump sum, one-time amount with SDG&amp;E providing fair share of CWPP and Evacuation Plan preparation.</td>
<td>SDG&amp;E submitted the proposal for funding the Boulevard/Jacumba/La Posta FireSafe Council to the CPUC on November 12, 2012. The CPUC is currently working with the BLM and other applicants to determine a final payment amount. Once the amount is approved by the CPUC, SDG&amp;E will submit proof of payment to the CPUC. This measure is pending CPUC approval of the funding amount.</td>
<td>Pending</td>
</tr>
</tbody>
</table>
ATTACHMENT C: BLM DATA RECOVERY APPROVAL
Anne Marie McGraw

From: Anne Marie McGraw
Sent: Thursday, January 03, 2013 12:07 PM
To: Tiffany Lin
Subject: FW: ECO Data Recovery

From: Morgan, Nicole B [mailto:NMorgan@semprautilities.com]
Sent: Wednesday, December 26, 2012 10:45 AM
To: Houston, Don
Cc: Reynolds, Kirstie; Kaminsky, Jennifer - BURNSMCD; Anne Marie McGraw
Subject: FW: ECO Data Recovery

Revisions were sent by ASM on 12/21/12. This MOA requirement is complete and BLM has signed off on the data recovery requirement for an ECO NTP.
Thanks

From: Simmons, Carrie [mailto:clsimmon@blm.gov]
Sent: Friday, December 21, 2012 3:42 PM
To: Morgan, Nicole B
Cc: Micah Hale; McCollum, Christine L (cmccollum@blm.gov); David Hochart; Williams, Brian - ASMAFFILIATES
Subject: ECO Data Recovery

Thank you Brian. Please make the final revisions to the report that I sent you a little bit ago. With your final submittal of the revised letter report, we will have adequate documentation that fieldwork has been completed and that should a notice to proceed be issued by the CPUC, SDG&E will be in compliance with Stipulation IX(a) of the Memorandum of Agreement among the Bureau of Land Management-California, the United States Army Corps of Engineers, San Diego Gas & Electric Company, and the California State Historic Preservation Officer, Regarding the East County Substation Project, San Diego County, California.

Please let me know if you have any questions. Thanks very much.
Carrie

Carrie L. Simmons
Acting Resources Branch Supervisor
El Centro Field Office, BLM
1661 S. 4th Street
El Centro, CA  92243
(760) 337-4437
Fax (760) 337-4490
clsimon@blm.gov

On Wed, Dec 19, 2012 at 8:11 AM, Brian Williams <bwilliams@asmaffiliates.com> wrote:
Thanks, Carrie

Please see the attached version with the responses and additions to both reviews. I have also attached the original with track changes for reference. Please let me know if this works so I can pass the word on to Insignia/SDG&E.

Regards,

Brian
ATTACHMENT D: PUBLIC NOTICE MAILER
January 14, 2013

Dear SDG&E Customer:

We would like you to know that subject to the issuance of a Notice to Proceed by the California Public Utilities Commission, SDG&E will begin construction of portions of the East County (ECO) Substation Project in the area where you reside and/or own property. Project construction activities will take place in numerous phases and have already begun in some areas as prior written communication has indicated.

The ECO Substation Project was approved by the California Public Utilities Commission on June 21, 2012. The U.S. Bureau of Land Management issued a Record of Decision for this vital electric infrastructure Project on August 21, 2012.

The ECO Substation Project will improve energy reliability in rural eastern San Diego County by upgrading the local electric grid, thus reducing the duration of outages in surrounding communities. The ECO Substation will also help SDG&E meet state requirements to produce 33 percent of our power from renewable resources by 2020. By tapping into the vast potential of local renewable resources, the ECO Substation Project will contribute to the reduction of the region’s dependence on imported electricity generated from fossil fuels and cut greenhouse gas emissions.

The main construction components of the ECO Substation Project include:

- **Constructing the New ECO Substation.**
  This new state-of-the-art substation is located on the eastern edge of Jacumba, between Interstate 8 and the United States/Mexico border. The substation will connect future wind farms and other renewable projects to SDG&E’s existing transmission system.

- **Linking the ECO Substation with the Existing Southwest Powerlink.**
  This tie-in will facilitate the flow of renewable power to the local area and greater San Diego region.

- **Rebuilding the Boulevard Substation.**
  SDG&E will rebuild and modernize the 50-year-old Boulevard Substation near Old Highway 80. Modernizing the substation will improve energy reliability and minimize outages to surrounding communities.

- **Connecting the Two Substations with a New 14-mile, 138 Kilovolt Power Line.**
  This new power line will improve reliability of the local electric grid and transmit power from renewable energy projects to the Southwest Powerlink.

This letter is to advise you of upcoming terrain evaluation or geotechnical activities taking place along various locations of the future underground portion of the transmission line. The work is being conducted in order to finalize the engineering design of the underground 138 kV electric transmission line sections from Boulevard Substation to Old Highway 80 and from Carrizo Gorge Road to the future ECO substation, located at 47317 Old Highway 80 in Jacumba, California. A map identifying the location of this work along with an overview of the undergrounding portion of the Project is enclosed for your reference. The activities will consist of boring and drilling for soil samples.
Subject to the issuance of a Notice to Proceed by the California Public Utilities Commission, geotechnical activities will start during the period of January 28 through February 28, 2013. Construction work will generally take place Monday through Saturday between 7:00 a.m. and 7:00 p.m.

The ECO Substation Project’s completion is anticipated to take 16 months from its start. It is important to note, construction activities will not take place concurrently. A particular area could have several days of high activity, followed by weeks of inactivity as various stages of construction are completed. Construction dates and times are subject to change based on agency approvals and restrictions, safety, inclement weather, or other unforeseen circumstances. SDG&E will provide additional updates via U.S. mail should construction dates be significantly delayed.

Activities may temporarily increase local noise levels, dust, and other disturbances. SDG&E will maintain access to all homes and businesses throughout the duration of construction activities. No road closures or detours are anticipated in association with the work.

SDG&E is working closely with local municipalities and community groups to ensure the construction schedule is as least disruptive to neighboring communities as possible and to keep communities informed during all phases of the ECO Substation Project’s construction. We are committed to working with you and local public safety officials to help minimize inconveniences and safeguard a smooth construction process. We apologize in advance for any inconvenience during this time.

Please do not hesitate to contact me at (866) 382-0886, or by email at TVoorhees@Semptrautilities.com, should you have any questions or require additional information. More information can also be found on our website at www.sdge.com/eco-substation.

Sincerely,

Todd Voorhees
Public Affairs Manager
Major Projects
ATTACHMENT E: SAN DIEGO COUNTY TRAFFIC CONTROL PERMIT
County of San Diego
DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING SECTION

APPLICATION FOR TRAFFIC CONTROL PERMIT --

TCP-7A
TCP-7C
TCP-4
TCP-9

County of San Diego
DPW/Traffic Engineering Section
Traffic Control Permits, Mailstop O334
5510 Overland Av, Suite #410, Rm 470
San Diego, CA 92123-1159

telephone/voice mail: (858)694-3863
secretary: (858)694-3850
fax: (858)694-3928
DPWTRAFFICCONTROL.PERMIT@SDCOUNTY.CA.GOV

ENCROACHMENT/EXCAVATION/CONSTRUCTION PERMIT # E 90 000

Applicant Information
Company: Southern California Soil & Testing, Inc.
Agent/Applicant: Andrew Neubaus
Agent Phone Number: (619) 280-4321
Agent Fax Number: (619) 280-4717
Agent Mailing Address: 6820 Encadame Street, San Diego, CA 92190
City: San Diego State: CA Zip Code: 92190

Reason for Traffic Control: Drilling Soil Borings (diameter 8", 8' deep) on shoulder of road
Start Date: 11-3-12
Start Time: 8:00 a.m. / p.m. (12 TOTAL BORINGS)
End Time: 4:00 a.m. / p.m.
Finish Date: 12-31-12

It is requested that a permit be granted for traffic control on the following street/streets:

STREET 1 Carrizo Gorge Road
From Street
STREET 2 Old Highway 80
From Street
COMMUNITY Jacumba, CA

Thomas Bros. Map Page and Grid #

(Agent's or Applicant's Signature) 10/25/12
(DATE)

See Attached Plan(s) and Traffic Control Notes

This request is / is not approved.

Director, Department of Public Works

By 10-29-12
(For Road Commissioner)

CC: Construction Inspection
Ref: Sec 72.75. County Code of Regulatory Ordinances
CARRIZO GORGE RD & OLD HWY 80
LANE SHIFT, FLAGGING & SHOULDER CLOSURE
FOR 23 GEO TECHNICAL BORINGS FOR FUTURE
SDG&E UNDERGROUND PROJECT
TRAFFIC CONTROL NOTES

Contractor shall make application to the Traffic Engineering Section of the Department of Public Works (Roads Division, 5510 Overland Av, Suite 410, Rm 470, San Diego, CA, 92123-1239, Mail Station O334) for a traffic control permit, a minimum of three (3) weeks prior to commencement of work. There is no fee for this permit.

The closure of Carrizo Gorge Rd & Old Hwy 80 will not be permitted at any time.

Work hours shall be from 8:00 AM to 4:00 PM, Monday thru Friday.

Traffic control shall be in accordance with San Diego Regional Standard Drawings TCP-4, TCP-7A, TCP-7C and TCP-9.

No road closures, detours or striping changes will be allowed to start on a Friday, unless otherwise noted.

The Contractor shall be responsible for identifying the locations of schools that will be affected in the area of the impending work. Due to peak volumes of pedestrian and vehicular traffic associated with schools, the Contractor may be required to delay the start of construction operations until after school is in session and complete construction operations before school is out of session.

During non-working hours, the Contractor shall provide the full road width, which existed prior to the start of construction.

When the work zone is confined to the road shoulder with minimal or no road encroachment, refer to Chapter 6H “Typical Applications” of the “California Manual on Uniform Traffic Control Devices” (CA MUTCD), latest edition.

NOTIFICATION

Permittee agrees to indemnify, hold harmless and defend the County and each of its officers and employees from any liability or responsibility for accident, loss or damaged to persons or property arising by reason of the work done by permittee, or permittee’s agents, employees or representatives.

Whenever construction activity will disrupt or impede access to any residence/business, the contractor shall inform each affected residence/business by written notice the nature and expected duration of the disruptive construction activity. Such written notice shall be delivered to each affected residence/business a minimum of two (2) weeks prior to the start of the disruptive construction activity.

The Contractor shall notify all adjacent residence/business, which will be affected in the area of the impending work, five (5) days in advance, by using doorknob-type notices. The Contractor shall include its business telephone number on the notices. The Contractor’s business telephone number
shall be toll free or local to San Diego County. Doorknob type notices will be furnished by the Contractor.

SIGNING


The Contractor shall place “Tow-Away/No Parking” signs along the street 24 hours prior to the impending work. “Tow-Away/No Parking” signs shall be furnished by the Contractor and shall contain a space in which the contractor shall enter the day(s) during which parking will be prohibited. Remove these signs immediately when they are no longer needed for use in the respective area of the project. If work is delayed or rescheduled for any reason after placement of “Tow-Away/No Parking” signs, remove the signs and place redated signs two (2) days in advance of the impending work.

All signs shall be in place prior to start of construction.

All advance warning signs shall be 48” x 48”.

All other signs shall be standard size unless otherwise noted.

For continuous work lasting more than two weeks, all W20-1 or C23, and curve warning signs shall be mounted on 4”x 4” wooden posts at standard height and equipped with type “B” high-intensity flashers, unless otherwise noted.

For work of less than two weeks, all W20-1 signs can be either post-mounted on 4” x 4” wooden posts at standard height or on a portable type installation.

Post-mounted signs shall remain in place at all times until construction is completed. Other signs required for traffic control shall be laid down or covered during non-working hours.

All other signs may be mounted on a portable type installation as per Section 12-3.06B of Caltrans Standard Specifications unless otherwise noted.

Placement of all signs shall not interfere with sight distance at driveways and intersections.

Position of post-mounted signs may be adjusted as necessary to optimize visibility or sign and/or obtain suitable placement area.

W20-1 signs and all other yellow or orange signs shall have a reflective background constructed of at least high-intensity (Type III) retroreflective sheeting.

STRIPING

All obliterated striping, raised pavement markers, pavement paint legends and markings, shall be replaced by the Contractor.
All new striping shall be reflectorized and shall be supplemented with new raised pavement markers of the proper pattern corresponding to the striping.

DEVICES

Actual work area shall be protected with either orange reflectorized post delineators or by barricades equipped with type "A" flashers sufficient in number to prevent entry of both vehicles and pedestrians except as may be noted elsewhere. At no time shall a continuous row of flashers be used adjacent to a lane of traffic. Only steady-burn type "C" lamps shall be used under these circumstances.

All cones and/or post delineators shall be fitted with reflective sleeves (for night time use) of the appropriate color.

All barricades except those supporting C27 signs shall be equipped with type "A" flashers unless otherwise noted.

All type "B" flashers shall operate 24 hours a day.

FLAGGING

Flagging operation shall use alternate one-way movement to pass traffic through the construction area.

Traffic shall be controlled at all times by flaggers. Flaggers shall be in constant communication with each other during the flagging operation. Advance flaggers shall be positioned upstream to warn traffic when queues develop. Additional flaggers may be required at intersections.

Where the one-lane section is short enough so that each end is visible from the other end, traffic will be controlled by means of a flagger at each end of the section. They should be able to communicate with each other verbally or by means of signals. These signals should not be such as to be mistaken for flagging signals. Where the end of one-way section is not visible from the other end, the flaggers shall maintain contact by means of radio or field telephones so that a flagger may know when to allow traffic to proceed into the section.

Flaggers shall be positioned near crest of hill allowing flaggers sufficient visibility of approaching traffic.

Flaggers shall be positioned so that they are easily visible to approaching traffic.

ACCESS

Emergency vehicle access shall be maintained at all times.

Contractor shall maintain access to all private driveways within the construction area. If continuous access cannot be maintained, access must be provided as needed.

Adequate provisions shall be made for pedestrian traffic.
Adequate sight distance shall be maintained at all intersections in the vicinity of the work zone. If sight distance is affected by the traffic control, the contractor shall provide adequate distance per the County of San Diego Public Road Standards. The use of mirrors, or such devices, is not acceptable as an alternative to providing adequate sight distance.

GENERAL

Contractor shall be responsible for supplying and maintaining all traffic control devices for both the construction area and the detour.

The Contractor shall be responsible for supplying, installing and maintaining all traffic control devices as shown on the plan along with additional traffic control devices that may be required to ensure safe movement of traffic and pedestrians through work area.

The provisions of this section may be modified or altered if, in the opinion of the engineer, public traffic will be better served and the work expedited. Said modifications or alterations shall not be adopted until approved in writing by the engineer.

Any open trenches within the construction area shall be adequately protected with barricades and spoil piles to prevent entry of vehicles and pedestrians.

All trenches shall be back-filled and paved or plate-bridged overnight. All temporary steel plate bridging shall have non-skid surfaces. Non-skid surfaces on the temporary steel plate bridging as well as the method of installing the temporary steel plate bridging and shoring shall be as specified in Section 602.1, “Temporary Steel Plate Bridging -- With a Non-Skid Surface” of the most current Caltrans Encroachment Manual. Unless approved by the County Inspector, use of steel plate bridging shall not exceed 4 consecutive working days in any given week. At the end of every work day, steel plate bridging shall not exceed 50 feet in length, unless approved by the County Inspector. Steel plates shall have AC ramps on all edges. Open trenches are not allowed during non-working hours.

All dirt and debris shall be removed from the roadway each day before completion of work. Street must be maintained in drivable condition at all times.

All advance warning signs, delineators, and barricades shall be removed from the roadway at the end of work each day (except W20-1 signs, if plate-bridging overnight.)

The Contractor is to replace roadway and all signing to normal conditions at the completion of work.
### TABLE 1

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES AND MINIMUM TAPER LENGTH

<table>
<thead>
<tr>
<th>APPROACH SPEED (S) (MPH)</th>
<th>MINIMUM DISTANCE (FEET) BETWEEN SIGNS AND FROM LAST SIGN TO TAPER</th>
<th>MINIMUM TAPER LENGTHS (L) (FEET) FOR 12-FOOT LANE</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>100</td>
<td>125, 63, 42</td>
</tr>
<tr>
<td>30</td>
<td>100</td>
<td>180, 90, 60</td>
</tr>
<tr>
<td>35</td>
<td>350</td>
<td>245, 123, 82</td>
</tr>
<tr>
<td>40</td>
<td>350</td>
<td>320, 160, 107</td>
</tr>
<tr>
<td>45</td>
<td>500</td>
<td>540, 270, 180</td>
</tr>
<tr>
<td>50</td>
<td>500</td>
<td>600, 300, 200</td>
</tr>
<tr>
<td>55+</td>
<td>1000</td>
<td>660, 330, 220</td>
</tr>
</tbody>
</table>

L for Merge Taper
1/2L for Shift Taper
1/3L for Shoulder Taper

### TABLE 2

RECOMMENDED TAPER LENGTH AND MAXIMUM CHANNELIZER/CONE SPACING

<table>
<thead>
<tr>
<th>APPROACH SPEED (S) (MPH)</th>
<th>BUFFER LENGTH (FEET)</th>
<th>MAX CONE SPACING TAPER</th>
<th>TANGENT CONFLICT(*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>155</td>
<td>25</td>
<td>50</td>
</tr>
<tr>
<td>30</td>
<td>200</td>
<td>30</td>
<td>60</td>
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<td>35</td>
<td>250</td>
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<tr>
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</tr>
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<td>45</td>
<td>360</td>
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<td>90</td>
</tr>
<tr>
<td>50</td>
<td>425</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>55+</td>
<td>495</td>
<td>55</td>
<td>100</td>
</tr>
</tbody>
</table>

(*) Facing Opposing Traffic, Adjacent to Work Area or Conflicting with Existing Striping

NOTES:

Taper Formula

\[ L = S \times W \] for speeds greater than 40 mph

\[ L = \frac{W \times S^2}{60} \] for speeds of 40 mph or less

Where:

\[ L = \text{Minimum length of taper (feet)} \]

\[ S = \text{Approach Speed (mph)} \]

\[ \text{off-peak 85th % speed prior to work starting or anticipated operating speed} \]

\[ W = \text{Width of offset (feet)} \]
**11 Soil Borings in Boulevard, CA (Old Highway 80 & Tail Tire On) → all on dirt roads**
* 12 soil borings on Tercember, CA (borings will be performed on shoulder at 40yds)