

6. Mitigation Monitoring and Reporting Plan

Pursuant to Public Resources Code Section 21081.6 and Section 15097 of the California Environmental Quality Act (CEQA) Guidelines, when an agency finds that mitigation measures have been required in, or incorporated into, a project to avoid or substantially lessen its significant environmental effects, the agency must adopt a program for monitoring or reporting on such mitigation measures. The purpose of this Mitigation Monitoring and Reporting Plan (MMRP) is to ensure effective implementation of the applicant proposed measures (APMs) and mitigation measures required by the California Public Utilities Commission (CPUC) that the applicant has agreed to implement in connection with the proposed Olinda Last Mile Underserved Broadband Project (proposed project). The MMRP, which is outlined in Table 6-1, includes:

- Each significant impact identified in the Initial Study/Mitigated Negative Declaration (IS/MND);
- APMs and mitigation measures that the applicant is required to implement as part of the proposed project to reduce significant impacts to less than significant;
- Monitoring requirements;
- Timing for implementation of APMs and mitigation measures;
- Indicators for determining the effectiveness of implementation of APMs and mitigation measures; and
- Reporting requirements.

~~This MMRP is a draft program. The CPUC will has formalized this MMRP for inclusion in the Final IS/MND, prior to construction, to include~~ It includes specific protocols that will be followed prior to, during, and after construction by the CPUC's and the applicant's designated the applicant's designated environmental monitors and project staff (as described in Section 6.3, "Final Mitigation Monitoring and Reporting Plan") and its contractors shall adhere to prior, during, and after construction. The Final MMRP ~~will include, but not be limited to,~~ includes protocols and timelines for the following topics. The list below is not exhaustive:

- Agency Jurisdiction
- Roles/Responsibilities
- Communication
- Compliance Verification and Reporting
- Project Changes, including Minor Project Refinements
- Dispute Resolution

The CPUC's designated Project Manager and environmental monitor (or monitors) will monitor the proposed project to verify full compliance with each APM and mitigation measure. The designated Project Manager will verify all compliance documentation required by APMs and mitigation measures, and the designated environmental monitor will regularly visit the proposed project to verify that APMs and mitigation measures are being implemented as described in the MMRP.

The CPUC-designated Project Manager and environmental monitor will keep a record of any incidents of non-compliance with mitigation measures, APMs, or other conditions of project approval, which will be

1 supplied to the applicant and the CPUC. In all instances of non-compliance, the CPUC’s designated
2 Project Manager or environmental monitor may discuss necessary compliance corrections with the
3 construction supervisor and/or the applicant’s Project Manager. Continued non-compliance, or non-
4 compliance that puts environmental resources at risk, will be reported immediately to the CPUC Project
5 Manager. The CPUC (CPUC-designated environmental monitor, CPUC-designated Project Manager, or
6 the CPUC Project Manager) may decide to halt work due to non-compliance.

7 8 **6.1 Minor Project Refinements** 9

10 This section describes the CPUC’s process for staff approval of Minor Project Refinements (MPRs) that
11 may be necessary due to changes needed after the applicant’s final engineering of elements of the
12 proposed project. During the course of construction, circumstances may arise that require minor
13 deviations from the project as approved. The CPUC, along with the environmental monitors, would
14 evaluate any proposed deviations from the approved project to ensure they are consistent with CEQA
15 requirements. Depending on its nature, a requested deviation would be processed as an MPR or be the
16 subject of a Petition for Modification (PFM) submitted by the applicant to the CPUC.

17
18 MPRs would be strictly limited to minor project changes that do not trigger additional permit
19 requirements, do not increase the severity of a significant impact or create a new significant impact, and
20 are within the geographic scope of the IS/MND.

21
22 If a project change would create or have the potential to create a new significant impact, increase the
23 severity of a significant impact, or occur outside the geographic area evaluated in the IS/MND, TDS
24 would be required to submit a PFM. The CPUC would evaluate the PFM under CEQA, as appropriate, to
25 determine what form of supplemental environmental review would be required.
26

27 **6.2 Dispute Resolution** 28

29 The following procedure will be observed for dispute resolution between CPUC staff and applicant:

- 31 • Disputes and complaints should be directed to the CPUC-designated Project Manager for
32 resolution.
- 33 • Should this informal process fail, the CPUC Project Manager may initiate enforcement or
34 compliance action to address deviations from the approved project.
35

36 **6.3 Final Mitigation Monitoring and Reporting Plan** 37

38 A Final MMRP ~~will be~~ was prepared for the Final IS/MND that incorporates ~~any~~ the changes to the
39 proposed project, IS/MND text, and ~~or~~ mitigation measures that ~~are~~ were made ~~as a result of~~ during
40 public review of the Draft IS/MND and further consideration of the proposed projects by the CPUC.
41

Table 6-1 Draft Mitigation Monitoring and Reporting Plan

APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
General					
MM GEN-1: Implementation of All APMs. The applicant shall implement all APMs as stated in this environmental document, except in cases where they are superseded by mitigation measures, and the physical and operational components of the project will not exceed the limits of Shasta County roads, roadways, and right-of-ways. The APMs shall be incorporated into the Mitigation, Monitoring, and Reporting Plan.	CPUC verifies implementation of APMs.	See effectiveness criteria for each APM below.	See timing for each APM below.	Entire project area	TDS, CPUC
Air Quality					
APM-AQ-1: TDS will require all construction contractors to implement the following measures for fugitive Particulate Matter (PM) less than 10 microns in diameter (PM10) control during construction: <ul style="list-style-type: none"> • All disturbed areas, including bulk material storage that is not being actively utilized, shall be effectively stabilized, and visible emissions shall be limited to no greater than 20 percent opacity for dust emissions by using water, chemical stabilizers, dust suppressants, tarps, or other suitable material such as vegetative ground cover. • All on- and off-site unpaved roads will be effectively stabilized, and visible emissions shall be limited to no greater than 20 percent opacity for dust emissions by non-toxic chemical stabilizers, dust suppressants, and/or watering. • All track-out and carry-out will be cleaned at the end of each workday or immediately when mud or dirt extends a cumulative distance of 15 linear m (50 linear feet) or more onto a paved road within an urban area. • Bulk material shall be stabilized prior to movement or at points of transfer with the application of sufficient water, the application of chemical stabilizers, or by sheltering or enclosing the operation and transfer line. • Vehicle speed for all construction vehicles shall not exceed 24.1 km (15.0 miles) per hour on any unpaved surface at the construction site. 	CPUC verifies that TDS meets SCAQMD threshold requirements and addresses pollutants of concern identified in the AQAP, and TDS verifies that all contractors operate below 15 miles per hour on all unpaved surfaces at the construction site.	Fugitive dust has been controlled (no greater than 20 percent opacity) inside the project area and on unpaved access roads.	During construction	Entire project area	TDS, CPUC
Biological Resources					
APM-BIO-1: All waterways and wetlands in the project area will be bored beneath and avoided during construction.	CPUC verifies that all waterways and wetlands are bored under and completely avoided during construction.	All waterways and wetlands are avoided during construction.	During construction	Entire project area	TDS, CPUC
APM BIO-2: Bore pits will be placed a minimum distance of 5 m (16 feet) beyond either the top of waterway banks or the maximum extent of any vegetation present along the waterways' margins.	CPUC verifies that no bore pits are placed within 16 feet of either the top of waterway banks or the maximum extent of any vegetation present along the waterways' margins.	Bore pits are placed a minimum distance of 16 feet beyond either top of waterway banks or maximum extent of any vegetation present along waterways' margins	During construction	All project areas where waterways will be bored underneath.	TDS, CPUC

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APM-BIO-3: Bore pits will be placed a minimum distance of 76 m (250 feet) beyond either the edge of seasonal wetlands or the maximum extent of any vegetation present along the wetlands' margins.	CPUC verifies that no bore pits are placed within 250 feet of the maximum extent of any vegetation present along the wetlands' margins.	Bore pits are placed a minimum distance of 76 m (250 feet) beyond either the edge of seasonal wetlands or the maximum extent of any vegetation present along the wetlands' margins.	During construction	All project areas where wetlands will be bored underneath.	TDS, CPUC
APM-BIO-4: A Stormwater Pollution Prevention Plan (SWPPP) will be developed and will include Best Management Practices (BMPs) that will be implemented during construction to minimize or eliminate sediment transport from areas subject to ground disturbance.	Prior to construction, CPUC verifies that a SWPPP is developed, and includes BMPs. CPUC verifies that SWPPP and all associated measures are implemented during construction.	A SWPPP is prepared and implemented.	Prior to construction – prepare SWPPP During Construction – implement SWPPP and BMPs	Entire project area	TDS, CPUC
APM BIO-5: All orchards will be avoided during construction.	CPUC verifies that no orchards are impacted during construction.	No orchards are impacted during construction.	During construction	Entire project area	TDS, CPUC
APM-BIO-6: No trees will be removed during project construction. If vegetation trimming is required to complete the installations, trimming will be kept to the absolute minimum necessary.	CPUC verifies that no trees are removed during construction.	No trees are removed during construction. If vegetation trimming is necessary, it will be maintained in such a way that the vegetation remains viable after having been trimmed.	During construction	Entire project area	TDS, CPUC
MM BIO-1: Nesting Birds Avoidance. Should construction activities take place between February 1 and August 31, a CPUC-approved qualified biologist shall conduct a preconstruction survey to identify active nests with the potential to be disturbed by construction within seven days of the onset of construction in areas within 200 feet of potential nesting bird habitat. Should active nests be detected within 200 feet of a construction area, the biologist will establish a buffer around the nest large enough to ensure that construction will not disturb the nesting pair. The buffer limits shall be identified where they meet the construction area using flagging or signage. If construction must take place within the buffer (e.g., the nest cannot be bored underneath and avoided), the biologist shall monitor the nesting pair for signs of disturbance for as long as construction activities remain within buffer limits. If the nesting pair shows signs of disturbance, the biologist will halt construction activities within the buffer until the pair exhibits normal behavior. If, in the biologist's best judgement, the presence of construction may threaten nest success, construction activities will be prohibited within the buffer until the nest is no longer active. Should construction activities in a given area lapse for more than seven days, the biologist shall re-survey that area. Results of surveys shall be submitted to the CPUC within one week of completion. <u>The applicant shall ensure that all pre-construction survey results be sent to CDFW at: California Department of Fish and Wildlife, Attn: CEQA, 601 Locust Street, Redding, CA 96001.</u>	CPUC verifies that any construction activities occurring between February 1 and August 31 are preceded by a preconstruction survey to identify active nests with the potential to be disturbed by construction. If an active nest is discovered, the biologist will implement appropriate measures to prevent disturbance. The survey results shall be submitted to the CPUC <u>and to CDFW at: California Department of Fish and Wildlife, Attn: CEQA, 601 Locust Street, Redding, CA 96001.</u>	Preconstruction surveys for active bird nests are conducted within 7 days of the start of construction, and appropriate measures are implemented to prevent disturbance to any nests within or near the construction area.	Prior to construction – conduct surveys to identify active nests with the potential to be disturbed by construction, within 7 days of the start of construction During construction – If an active nest is found with the potential to be disturbed by construction activities, the approved biologist implements appropriate measures to reduce disturbance, and monitors the nest	Entire project area	TDS, CPUC, <u>CDFW</u>
Cultural and Paleontological Resources					
APM CR-1: Happy Valley Ditch will be avoided via subsurface boring.	CPUC verifies that the Happy Valley Ditch is avoided with subsurface boring techniques.	Happy Valley Ditch is avoided.	During construction	All project areas which intersect with the Happy Valley Ditch.	TDS, CPUC
APM CR-2: Cloverdale Cemetery and the Igo Inn will be avoided by rerouting the fiber-optic lines to the opposite side of the road.	CPUC verifies that fiber-optic lines are re-routed to the opposite side of the street when passing Cloverdale Cemetery and Igo Inn.	Fiber-optic lines are installed across the street from Cloverdale Cemetery and Igo Inn.	During construction	All project areas in the vicinity of the Cloverdale Cemetery and Igo Inn	TDS, CPUC

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<p>APM CR-3: In the event that undiscovered historical or archaeological resources are encountered by construction personnel, all ground-disturbing activities within 30.5 m (100.0 feet) of the find in non-urban areas and 15.2 m (50.0 feet) in urban areas will be temporarily halted or diverted and a qualified archaeologist will be contacted to assess the discovery.</p>	<p>If an undiscovered historical or archeological resources are encountered, CPUC verifies that work has been halted and a qualified archaeologist is contacted to assess the discovery.</p>	<p>Work is halted if an unanticipated historical or archaeological resource is discovered and qualified archaeologist is contacted.</p>	<p>During construction</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>
<p>APM CR-4: If human remains are discovered or recognized in any location, construction personnel will suspend further excavation or disturbance of the site and any nearby areas reasonably suspected to overlie adjacent human remains until the County coroner has been informed and has determined that no investigation of the cause of death is required.</p>	<p>CPUC verifies construction is halted if human remains are discovered and the County coroner is contacted.</p>	<p>Work is halted if human remains are discovered and County coroner is contacted.</p>	<p>During construction</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>
<p>APM CR-5: In the event that fossil remains are encountered by construction personnel, qualified paleontological specialists will be contacted. Construction within 30.5 m (100.0 feet) of the find in non-urban areas and 15.2 m (50.0 feet) in urban areas will be temporarily halted or diverted until a qualified vertebrate paleontologist examines the discovery.</p>	<p>CPUC verifies that TDS implements protocols for unanticipated paleontological resource discovery, including halting work in the event on an unanticipated discovery.</p>	<p>Work is halted if unanticipated fossil remains are discovered and the proper protocols implemented.</p>	<p>During construction</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>
<p>MM CUL-1: Worker Education Program. TDS shall design and implement a Worker Education Program that requires training for all project personnel, including construction supervisors and field personnel, who may encounter and/or alter previously identified, and as yet unidentified, archaeological and/or architectural resources, including any that may be determined historical resources or unique archaeological resources. All construction workers shall receive this Worker Education Program training before engaging in field operations.</p> <p>The Worker Education Program shall include training that covers, at a minimum, the following topics:</p> <ul style="list-style-type: none"> • A review of the prehistory, Native American ethnography/ethnohistory, and history of the proposed project area; • A review of the types of prehistoric, ethnographic/ethnohistoric, and historic archaeological and architectural resources, including artifacts, features, and/or human remains, that could be identified in the proposed project area. These may include, but are not limited to, those that could be associated with historic archaeological site CA-SHA-3373H (Landfill Mining Complex), the former community of Piety Hill, historic archaeological site CA-SHA-3382H (Happy Valley Ditch), the historic Igo Inn, or the historic Cloverdale Cemetery (also known as Oak Cemetery or Happy Valley Cemetery), which is still in use today. • A review of applicable local, state, and federal ordinances, laws, and regulations pertaining to archaeological resources, architectural or other built resources (including prehistoric and ethnographic/ethnohistoric Native American and historic [Euro-American] archaeological and architectural or other built resources), human remains, tribal cultural resources, cultural resources management, and historic preservation; 	<p>CPUC verifies that TDS designs and provides a Worker Education Program that provides a comprehensive review of the cultural history of the proposed project area. CPUC approves the program and verifies that new personnel are trained by reviewing training records.</p>	<p>Worker Education Program is approved by the CPUC, and all workers involved in field operations attend the Worker Education Program. CPUC receives and reviews training records to ensure that all workers have received training through the Worker Education Program.</p>	<p>Prior to Construction – CPUC approval, and Worker Education Program screening before start of construction</p> <p>During Construction – TDS and CPUC approved-archaeologist will continue to enforce policies highlighted in the Worker Education Program</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>

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<ul style="list-style-type: none"> • A discussion of procedures to be followed in the event that unanticipated cultural resources or human remains are discovered during implementation of the proposed project; • A discussion of disciplinary and other actions that could be taken against persons violating historic preservation laws and TDS policies; and • A statement by the construction company or applicable employer agreeing to abide by the Worker Education Program, TDS policies and procedures, and other applicable local, state, and federal ordinances, laws, and regulations. <p>A copy of the materials included as part of the worker education program will be provided to Native American tribes participating in the AB 52 consultation with the CPUC, if requested.</p> <p>This mitigation measure shall be coordinated with MM Geology and Soils (GEO)-1.</p>					
<p>MM CUL-2: Cultural Resources Monitoring. For the purpose of this mitigation measure, "cultural resources" refers to archaeological resources (prehistoric and historic, known or previously unidentified); historic architectural resources (structures, buildings, and objects); and resources associated with California Native American tribes (sub-surface or aboveground). Cultural resources is a general term and does not account for significance (i.e., a historical resource, unique archaeological resource, or tribal cultural resource). TDS shall ensure that a CPUC-approved archaeologist that meets the Secretary of Interior's Professional Qualifications Standards for archaeology and has specific experience in the identification of human remains conducts monitoring with regard to cultural resources during construction of the proposed project. The qualified archaeologist shall be approved prior to the start of construction by the CPUC Project Manager (PM).</p> <p>The CPUC-approved archaeologist shall prepare a Monitoring and Treatment Plan for Cultural Resources. Prior to commencement of construction, TDS shall submit the Monitoring and Treatment Plan to the CPUC for review and approval. This plan will include a description of when the Wintu will be notified and when they will conduct monitoring of the construction activities (see MM TCR-2). The CPUC PM will approve or request changes to the Monitoring and Treatment Plan for Cultural Resources within seven days of submittal by TDS. Once the CPUC PM approves the Monitoring and Treatment Plan for Cultural Resources, TDS shall ensure that the CPUC-approved archaeologist implements the approved plan. A courtesy copy will be provided to the Wintu Tribe.</p> <p>The CPUC-approved archaeologist shall monitor the effects of all construction-related work conducted within locations with the potential to contain previously unidentified cultural resources and within 200 feet of the known archaeological resources according to the Monitoring and Treatment Plan for Cultural Resources.</p>	<p>The CPUC-approved archaeologist verifies that TDS implements all described monitoring for cultural resources procedures during construction of the proposed project, and stops work if an unanticipated cultural resource is discovered during construction. CPUC verifies that TDS erects protective barriers with appropriate signage around any environmentally sensitive areas. The CPUC receives, reviews, and either approves or requests changes to the Monitoring and Treatment Plan for Cultural Resources produced by TDS, and the CPUC-approved archaeologist documents the results of monitoring.</p>	<p>The CPUC-approved archaeologist is present during construction in locations within the project area with potential to contain previously unidentified cultural resources and within 61 m (200 feet) of known archaeological resources, and implements the procedures described in MM CUL-3 if an unanticipated cultural resource is discovered during construction.</p>	<p>Prior to construction – TDS submits the resume of a qualified archaeologist to be reviewed and approved by the CPUC</p> <p>During construction – CPUC-approved archaeologist conducts monitoring in accordance with described protocols</p> <p>Post-construction – TDS and the CPUC-approved archaeologist prepare and submit a report documenting the results of cultural resources monitoring, for review by the CPUC</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>

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<p>TDS, in consultation with the CPUC-approved archaeologist, shall implement the following procedures as part of the monitoring for cultural resources:</p> <ul style="list-style-type: none"> • A CPUC-approved archaeologist shall conduct monitoring during construction in locations within the API with the potential to contain previously unidentified cultural resources, as identified in the Monitoring and Treatment Plan. <ul style="list-style-type: none"> - These locations shall include areas within 200 feet of known archaeological resources, consisting of sites CA-SHA-3373H and CA-SHA-3382H; within 200 feet of known historic architectural resources, consisting of the Igo Inn and the Cloverdale Cemetery; and within 200 feet of the Piety Hill historical marker (State of California 2017g, 2017h; Historical Marker Database 2017). • TDS shall erect protective barriers with signage identifying any exclusion area due to the presence of known cultural resources (if applicable) as an “environmentally sensitive area.” <p>The CPUC-approved archaeologist shall have the authority to implement the procedures in MM CUL-3 if an unanticipated cultural resource is discovered at any time and in any location during construction of the proposed project, including in the vicinity of any known archaeological resources, known historic architectural resources, and other resources.</p> <p>At the conclusion of monitoring for cultural resources, TDS shall submit a Monitoring Report documenting the results of the monitoring activities to the CPUC for review and approval. The report shall be prepared by the CPUC-approved archaeologist. The CPUC PM will approve or request changes to the report within seven days of submittal by TDS.</p>					
<p>MM CUL-3: Treatment for Unanticipated Cultural Resources Discoveries. For the purpose of this mitigation measure, “cultural resources” has the same definition as that included in MM CUL-2. TDS shall immediately halt and exclude construction work within 100 feet of the discovery of an unanticipated cultural resource, and the CPUC-approved archaeologist shall inspect the unanticipated resource. At the request of the CPUC-approved archaeologist, TDS shall install protective barriers with signage identifying the exclusion area as an “environmentally sensitive area.”</p> <p>Per the CPUC-approved archaeologist’s discretion and knowledge of potential resources types, if the resource has the potential to be important to a Native American tribe, MM TCR-2 will be followed.</p> <p>Avoidance: If the CPUC-approved archaeologist determines that the resource can be avoided, and no impacts would occur, TDS shall notify the CPUC of the unanticipated resource within 24 hours of its discovery and confirm that it can be avoided. As part of the</p>	<p>The CPUC-approved archaeologist halts work, excludes and inspects unanticipated cultural resources discoveries, and guides TDS through CPUC- and agency-recommended protocols if an unanticipated resource is found.</p> <p>The CPUC-approved archaeologist verifies that TDS notifies the appropriate Native American tribe per MM TCR-2.</p> <p>The CPUC-approved archaeologist verifies that TDS follows appropriate procedures for the avoidance of cultural resources, evaluation of them, evaluation plan implementation, and data recovery plan implementation (if needed).</p>	<p>The CPUC-approved archaeologist immediately halts work if an unanticipated cultural resource is discovered during construction, and directs TDS through the appropriate agency/tribal contact, paperwork, and plan submittal procedures and requirements. CPUC receives and approves all required Plans, Memos, and Reports, dependent on the nature of the unanticipated discovery.</p>	<p>During construction – Under direction of the CPUC-approved archaeologist, TDS halts and excludes work upon discovery of unanticipated cultural resources discoveries, and follows monitoring and reporting protocols under the direction of the CPUC-approved archaeologist and in coordination with the CPUC, dependent on the nature of the discovery.</p> <p>Post-construction – As needed based on the nature of the discovery, upon completion of field work within the sensitive area, TDS and the CPUC-approved archaeologist prepare the</p>	<p>Entire project area</p>	<p>TDS, CPUC, NEIC (for receipt of documentation)</p>

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<p>notification, the resource will be described with sufficient detail to allow the CPUC an understanding of how the resource will be avoided and how no impacts would occur. TDS may proceed with construction work in the area of discovery.</p> <p>TDS shall ensure that the CPUC-approved archaeologist records the unanticipated cultural resource on the appropriate California Department of Parks and Recreation (DPR) 523 forms. TDS shall submit the completed DPR 523 forms to the CPUC for review and approval within 48 hours of the find. The CPUC PM will approve or request changes to the DPR 523 forms within seven days of submittal by TDS. Once approved, TDS shall file the DPR 523 forms with the NEIC and shall provide a copy of the DPR 523 forms to the CPUC for its records.</p> <p>Evaluation: If TDS determines that it cannot avoid the unanticipated resource, the CPUC-approved archaeologist shall evaluate the resource to determine if there is a potential for it to be a historical resource (CEQA Guidelines section 15064.5(a)) or a unique archaeological resource (PRC 21083.2(g)).</p> <p>The following procedures will be implemented, if the resource cannot be avoided:</p> <ul style="list-style-type: none"> At the discretion of the CPUC-approved archaeologist, if the resource is not potentially a historical or unique archaeological resource, TDS may proceed with construction upon notification to the CPUC within 24 hours via email of the find and proper recordation on the appropriate DPR 523 forms. TDS may proceed with construction work in the area of discovery. <p>TDS shall submit the DPR 523 forms to the CPUC for review and approval within 48 hours of the find. The CPUC PM will approve or request changes to the DPR 523 forms within seven days of submittal by TDS. Once approved, TDS shall file the completed DPR 523 forms with the NEIC and shall provide a copy of the DPR 523 forms to the CPUC for its records.</p> <ul style="list-style-type: none"> If the CPUC-approved archaeologist determines that the resource is potentially a historical or unique archaeological resource, the CPUC-approved archaeologist shall prepare an Evaluation Plan that details the procedures to be used to determine whether the resource is a historical or unique archaeological resource. The CPUC PM will approve or request changes to the Evaluation Plan within three days of submittal by TDS. Once the CPUC PM has approved the Evaluation Plan, TDS shall ensure that the CPUC-approved archaeologist implements the approved Evaluation Plan. <p>Evaluation Plan Implementation: When fieldwork implemented as part of the approved Evaluation Plan is completed, the CPUC-</p>			<p>appropriate documentation for review and filing with the NEIC.</p>		

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<p>approved archaeologist shall prepare an Evaluation Memo that describes the results of the evaluation. TDS shall submit the Evaluation Memo to the CPUC for review and approval. The CPUC PM will approve or request changes to the Evaluation Memo within seven days of submittal by TDS.</p> <p>After implementation of the Evaluation Plan, TDS may proceed with work in the area of the discovery, if the following occurs:</p> <ul style="list-style-type: none"> • The CPUC-approved archaeologist determines that the unanticipated resource is not a historical or unique archaeological resource; and • The CPUC PM concurs with that recommendation. <p>Data Recovery Plan: If, after implementation of the Evaluation Plan, the CPUC-approved archaeologist recommends that the unanticipated find is a historical or unique archaeological resource, TDS shall ensure that the CPUC-approved archaeologist prepares a Data Recovery Plan that would reduce impacts on the potential historical or unique archaeological resource to less than significant.</p> <p>TDS shall ensure that the Data Recovery Plan is prepared by the CPUC-approved archaeologist in accordance with CEQA Guidelines section 15126.4(b)(3)(C) and PRC section 21083.2 and describes methods that will yield relevant information. TDS shall submit the Data Recovery Plan to the CPUC for review and approval. The CPUC PM will approve or request changes to the Data Recovery Plan within seven days of submittal by TDS. Once the CPUC PM approves the Data Recovery Plan, TDS shall ensure that the CPUC-approved archaeologist implements the approved plan.</p> <p>When fieldwork implemented as part of the approved Data Recovery Plan is completed, the CPUC-approved archaeologist shall prepare a Data Recovery Field Memo that briefly describes the results of the data and materials recovery. TDS shall submit the Data Recovery Field Memo to the CPUC for review and approval. The CPUC PM will approve or request changes to the Data Recovery Field Memo within seven days of submittal by TDS. Once the CPUC PM has approved the Data Recovery Field Memo, TDS may proceed with construction work in the area of the discovery.</p> <p>TDS shall ensure that the CPUC-approved archaeologist prepares a more detailed Data Recovery Report within 90 days of the CPUC's approval of the Data Recovery Field Memo. TDS shall also ensure that the Data Recovery Report includes a thorough discussion of the data recovery efforts, presents the conclusions drawn from the data recovery work, and indicates where materials associated with the data recovery will be curated; it shall also contain the appropriate completed California DPR 523 forms. TDS shall submit the Data Recovery Report to the CPUC for review and approval. Once the CPUC PM approves the Data Recovery Report,</p>					

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APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
<p>TDS shall file the Data Recovery Report and the appropriate completed California DPR 523 forms with the NEIC.</p>					
<p>MM CUL-4: Conduct Class III cultural resources surveys for unsurveyed work areas. Prior to construction, TDS shall compare the limits of the proposed areas of disturbance (i.e., where surface disturbance and sub-surface activities will occur) to the portion of the proposed project area for which a Class III Cultural Resources Survey has been prepared (Howell and Copperstone 2017). TDS then shall verify that all proposed areas of disturbance for the proposed project have been surveyed at the Class III Cultural Resources Survey level. TDS shall provide this verification, consisting of a written statement and accompanying project maps, to the CPUC for review and approval. Notification also will be sent as a courtesy to the Wintu.</p> <p>If the CPUC PM concurs that the 2014 Class III Cultural Resources Survey for the proposed project (Howell and Copperstone 2017) sufficiently covered the proposed areas of disturbance, TDS may commence construction work as follows:</p> <ul style="list-style-type: none"> • If no known resources are located in the areas of disturbance based on the 2014 Class III Cultural Resources Survey, construction-related work for the proposed project can proceed. • If known resources or areas of potential archaeological sensitivity are located in the areas of disturbance based on the Class III Cultural Resources Survey, they must be monitored pursuant to MM CUL-2. • Any unanticipated cultural resources that are discovered during construction work activities shall be subject to MM CUL-3. <p>If the 2014 Class III Cultural Resources Survey for the proposed project does not sufficiently cover the proposed areas of disturbance, TDS shall notify the CPUC of this determination. TDS shall ensure that a CPUC-approved archaeologist conducts a supplemental Class III Cultural Resources Survey of the unsurveyed areas, and TDS shall provide the report documenting the results of the supplemental Class III Cultural Resources Survey to the CPUC for review and approval. Any newly identified resources will be treated similarly to an unanticipated discovery. Those that are not historical resources or unique archaeological resources will be subject to monitoring, as noted in MM CUL-2; for those that may be historical resources or unique archaeological resources, the procedures identified in MM CUL-3 shall be followed. TDS shall not commence construction work until the CPUC PM reviews and approves the results, conclusions, and recommendations of the supplemental Class III Cultural Resources Survey. Copies of the documentation for these activities will be provided to the Wintu.</p>	<p>TDS compares the limits of the areas of disturbance to the portion of the proposed project area for which a Class III Cultural Resources Survey has been prepared (Howell and Copperstone 2017), and provides written verification of this to the CPUC for review or approval. If TDS determines that the 2014 survey did not include all areas of the construction workspace, TDS notifies CPUC of this determination and verifies that a CPUC-approved archaeologist conducts a supplemental Class III Cultural Resources Survey of the previously unsurveyed areas, the results of which are provided to the CPUC in writing for verification and approval.</p>	<p>TDS determines whether or not the limits of all construction workspaces were surveyed as part of the 2014 Class III Cultural Resources Survey. If any construction limits were not fully surveyed in 2014, the CPUC-approved archaeologist conducts a supplemental Class III Cultural Resources Survey to be provided to the CPUC in writing for review and approval.</p>	<p>Prior to construction</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>

Table 6-1 Draft Mitigation Monitoring and Reporting Plan

APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
<p>MM CUL-5: Treatment of Human Remains. In the event of the discovery or recognition of human remains during construction, including, but not limited to, in the vicinity of the Cloverdale Cemetery, the following steps shall be taken:</p> <ul style="list-style-type: none"> TDS shall ensure that there is no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains while TDS, in consultation with the CPUC PM and the Wintu, contacts the Shasta County Coroner, and the coroner works to determine if the human remains are modern, historic, prehistoric, and/or Native American and to determine whether an investigation of the cause of death is required. Further, pursuant to California PRC Section 5097.98(b), TDS shall ensure that the area containing the discovered or recognized human remains is left in place and free from disturbance until the landowner or the person responsible for the excavation work makes a final decision as to the treatment and disposition of the human remains. For this proposed project, the CPUC considers "the site or any nearby area" to be the 100-foot exclusion area developed for the Cloverdale Cemetery and the 200-foot monitoring area for the Cloverdale Cemetery, within which cultural monitoring of the cemetery is being conducted pursuant to MM CUL-2/3. If the Shasta County Coroner determines the remains to be Native American, then the coroner shall contact the Native American Heritage Commission (NAHC) within 24 hours, and the NAHC shall identify the person or persons from which the NAHC believes the deceased to be the "most likely descendent." The most likely descendent may make recommendations to the landowner or the person responsible for the excavation work by which the human remains were discovered or recognized regarding means of treating or disposing of, with appropriate dignity, the human remains and associated grave goods as provided in California PRC Section 5097.98. <p>TDS shall notify the CPUC within 24 hours of receiving notification of the landowner's, or the person responsible for the excavation work's, decision for the final treatment or disposition of the human remains and associated grave goods.</p>	<p>TDS verifies that there is no further excavation or disturbance of the site or any nearby area suspected to overlie adjacent human remains, and, in consultation with CPUC, contacts the Shasta County Coroner, who shall determine the likely origin of the remains. If determined to be Native American, the coroner contacts the NAHC within 24 hours. The NAHC identifies and contacts the "most likely descendent" of the remains, who may make recommendations to the landowner or the person responsible for the excavation work for means of treating or disposing of the human remains. TDS also verifies that the area which contains the human remains not be disturbed until the landowner or the person responsible for the excavation work makes a final decision as to the treatment and disposition of the human remains.</p>	<p>Construction-related activities and excavation are halted in the event of discovery or recognition of human remains anywhere in the project site. All proper agencies are contacted (CPUC, Shasta County Coroner, NAHC, and the most likely descended) as needed. Excavation does not resume until the person responsible for the excavation work makes a final decision as to the treatment and disposition of the human remains.</p>	<p>During construction</p>	<p>Entire project area</p>	<p>TDS, CPUC, Shasta County Coroner, NAHC, Most Likely Descendent</p>
<p>Geology and Soils</p>					
<p>APM GEO-1: TDS will require the contractor to manage construction-induced sediment and excavated spoils in accordance with the requirements of the State Water Resources Control Board (SWRCB) and U.S. Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NPDES) permits for stormwater runoff associated with construction activities.</p>	<p>TDS verifies that all contractors manage construction-induced sediment and excavated spoils in accordance with SWRCB and EPA NPDES permit requirements.</p>	<p>NPDES General Permit is obtained and permit conditions are followed.</p>	<p>Prior to construction – obtain NPDES General Permit During construction – implement BMPs</p>	<p>Entire project area</p>	<p>TDS, CPUC, SWRCB, EPA</p>

Table 6-1 Draft Mitigation Monitoring and Reporting Plan

APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
APM GEO-2: Prior to the onset of construction, TDS or its authorized contractor will complete a SWPPP that outlines BMPs to control discharges from construction areas.	TDS or its contractor prepares and submits SWPPP to CPUC.	Prepare and implement SWPPP.	Prior to construction – Prepare SWPPP During construction – implement BMPs	Entire project area	TDS, CPUC
APM GEO-3: No construction-related materials, wastes, spills, or residues will be discharged from the project.	CPUC verifies that no construction-related materials, wastes, spills, or residues will be discharged from the project.	No construction-related materials, wastes, spills, or residues are discharged from the project.	During construction	Entire project area	TDS, CPUC
APM GEO-4: The staging of construction materials, equipment, and excavation spoils will be performed outside of drainages.	CPUC verifies that no construction materials, equipment and excavation spoils are staged within drainages.	No construction materials, equipment, or excavation spoils are staged in any drainage.	During construction	Entire project area	TDS, CPUC
APM GEO-5: Excavated or disturbed soil will be kept within a controlled area surrounded by a perimeter barrier that may include silt fence, hay bales, straw wattles, or a similarly effective erosion control technique that prevents the transport of sediment from a given stockpile.	CPUC verifies that all excavated or disturbed soil will be kept within a controlled area surrounded by a perimeter barrier that prevents transport of sediment from a given stockpile.	All excavated or disturbed soils are kept in controlled area by a perimeter barrier, and no sediment is transported from a given stockpile.	During construction	Entire project area	TDS, CPUC
APM GEO-6: All stockpiled material will be covered or contained in such a way that off-site runoff is eliminated.	CPUC verifies that all stockpiled materials are covered or contained in such a way that there is no off-site runoff.	All stockpiled material is covered in a way that eliminates off-site runoff.	During construction	All project areas in which material is being stockpiled	TDS, CPUC
APM GEO-7: Upon completion of construction activities, excavated soil will be replaced and graded so that post-construction topography and drainage matches pre-construction conditions.	CPUC verifies that all excavated soil will be replaced and graded so post-construction topography and drainage matches pre-construction conditions.	All excavated soil is replaced and graded so that post-construction topography and drainage matches pre-construction conditions.	Post construction	Entire project area	TDS, CPUC
APM GEO-8: Surplus soil will be transported from the site and disposed of appropriately.	CPUC verifies that all surplus soil is transported from the site and disposed of properly.	All surplus soil is transported from the project area and disposed of appropriately.		Entire project area	TDS, CPUC
<p>MM GEO-1: Worker Education Program. TDS shall design and implement a Worker Education Program that requires training for all project personnel, including construction supervisors and field personnel, who may encounter and/or alter previously identified and as yet unidentified paleontological resources, including any that may be determined to be a unique paleontological resource or site or unique geologic feature. All construction workers shall receive this Worker Education Program training before engaging in field operations.</p> <p>The Worker Education Program shall include training that covers, at a minimum, the following topics:</p> <ul style="list-style-type: none"> • A review of the types of paleontological resources that could be identified in the proposed project area; • A review of applicable local and state ordinances, laws, and regulations pertaining to paleontological resources; and • A discussion of procedures to be followed in the event that paleontological resources are discovered during implementation of the proposed project. <p>This program shall be coordinated with the cultural resources training provided as part of Section 5.5 Cultural Resources, MM CUL-1.</p>	CPUC verifies that TDS designs and provides a Worker Education Program that provides a comprehensive review of the paleontological resources of the proposed project area. CPUC approves the program and verifies that new personnel are trained by reviewing training records.	Worker Education Program is approved by the CPUC, and all workers involved in field operations attend the Worker Education Program. CPUC receives and reviews training records to ensure that all workers have received training through the Worker Education Program.	<p>Prior to Construction – CPUC approval, and Worker Education Program screening before start of construction</p> <p>During Construction – TDS and CPUC-approved paleontologist will continue to enforce policies highlighted in the Worker Education Program</p>	Entire project area	TDS, CPUC

Table 6-1 Draft Mitigation Monitoring and Reporting Plan

APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
<p>MM GEO-2: Paleontological Monitoring. TDS shall ensure that a CPUC-approved paleontologist conducts paleontological monitoring for the proposed project. The qualified paleontologist shall be approved prior to the start of construction by the CPUC.</p> <p>The CPUC-approved paleontologist shall prepare a Paleontological Monitoring Plan. Prior to commencement of construction, TDS shall submit the Paleontological Monitoring Plan to the CPUC for review and approval. The CPUC will approve or request changes to the Paleontological Monitoring Plan within seven days of submittal by TDS. Once the CPUC approves the Paleontological Monitoring Plan, TDS shall ensure that the CPUC-approved paleontologist implements the approved plan.</p> <p>The Paleontological Monitoring Plan shall include the significance criteria for the fossils likely to be yielded by the Red Band and Tehama Formations, subject to CPUC-approval and outline how such criteria shall be applied to determine whether or not the paleontological resource is significant. In the absence of other agreed-upon criteria, a paleontological resource shall be considered unique if it meets the definition of a significant paleontological resource under the 2010 Society of Vertebrate Paleontology <i>Standard Procedures for the Assessment of Adverse Impacts to Paleontological Resources</i> definition:</p> <p>Significant paleontological resources are fossils and fossiliferous deposits, here defined as consisting of identifiable vertebrate fossils, large or small, uncommon invertebrate, plant, and trace fossils, and other data that provide taphonomic, taxonomic, phylogenetic, paleoecologic, stratigraphic, and/or biochronologic information. Paleontological resources are considered to be older than recorded human history and/or older than middle Holocene (i.e., older than about 5,000 radiocarbon years). (Society for Vertebrate Paleontology 2010)</p> <p>The CPUC-approved paleontologist shall monitor the effects of all construction-related work conducted in these areas according to a Paleontological Monitoring Plan that is prepared for the proposed project by the CPUC-approved paleontologist and approved by the CPUC prior to the start of construction.</p> <p>TDS, in consultation with the CPUC-approved paleontologist, shall implement the following procedures as part of paleontological monitoring:</p> <ul style="list-style-type: none"> • A CPUC-approved paleontologist conducts paleontological monitoring during construction in the locations with the potential to contain paleontological resources. • TDS, in consultation with the CPUC-approved paleontologist, shall identify the locations within the proposed project area with the potential to contain paleontological resources. 	<p>TDS verifies that a qualified CPUC-approved paleontologist conducts paleontological monitoring for the proposed project in accordance with a Paleontological Monitoring Plan, prepared by the monitor and approved by the CPUC. The paleontologist monitors construction-related activities in areas with the potential to contain paleontological resources, and stops or excludes work from any sensitive areas, implementing the procedures in MM GEO-3 if appropriate and necessary. At the conclusion of paleontological monitoring, the paleontologist prepares a monitoring report and verifies that TDS submits the report to the CPUC for review, approval, or request for changes.</p>	<p>A qualified paleontologist is approved by the CPUC to conduct monitoring activities, and stops or excludes work if a paleontological resource is discovered or has the potential to occur at any time and in any location in the proposed project area. A paleontological monitoring report is prepared and submitted to the CPUC for review, approval, or request for changes at the conclusion of paleontological monitoring.</p>	<p>Prior to construction – CPUC approves a paleontological monitor</p> <p>During construction – the CPUC-approved paleontological monitor follows all monitoring procedures described in the Paleontological Monitoring Plan</p> <p>Post construction – TDS submits a paleontological monitoring report for review by the CPUC. Within 7 days of submittal by TDS, the CPUC either approves or requests changes to the report.</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>

Table 6-1 Draft Mitigation Monitoring and Reporting Plan

APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
<ul style="list-style-type: none"> TDS shall erect protective barriers with signage identifying each exclusion area as an "environmentally sensitive area." <p>The CPUC-approved paleontologist shall have the authority to implement the procedures set forth in MM GEO-2 if a paleontological resource is discovered at any time and in any location during construction of the proposed project, including within, and outside of, the locations that have been identified as having potential to contain paleontological resources.</p> <p>At the conclusion of paleontological monitoring, TDS shall submit a report documenting the results of paleontological monitoring to the CPUC for review and approval. The monitoring report shall be prepared by the CPUC-approved paleontologist. The CPUC will approve or request changes to this monitoring report within seven days of submittal by TDS.</p>					
<p>MM GEO-3: Treatment for Paleontological Resources. TDS shall immediately halt and exclude construction work within 100 feet of the discovery of a paleontological resource, and the CPUC-approved paleontologist shall inspect the paleontological resource. At the request of the CPUC-approved paleontologist, TDS shall install protective barriers with signage identifying the exclusion area as an "environmentally sensitive area." TDS shall notify the CPUC of the paleontological resource discovery within 24 hours of its discovery.</p> <p>The CPUC-approved paleontologist shall examine the find and evaluate it to determine whether it is likely to be considered unique under Part V of CEQA Guidelines Appendix G based on the criteria set forth in the Paleontological Monitoring Plan.</p> <p>The CPUC-approved paleontologist shall prepare a report documenting the results of the evaluation of each discovered paleontological resource, or group of paleontological resources if located within the same exclusion area. TDS shall submit an evaluation report(s) to the CPUC for review and approval. The CPUC will approve or request changes to the evaluation report(s) within seven days of submittal by TDS. Once the CPUC has approved the evaluation report(s), the CPUC shall determine whether or not the paleontological resource is unique.</p> <p>If the CPUC, in consultation with the CPUC-approved paleontologist, determines that the paleontological resource is not unique, TDS may commence work in the area upon approval by the CPUC. If the CPUC, in consultation with the CPUC-approved paleontologist, determines that the resource is unique, preservation in place, i.e., avoidance, is the preferred method of mitigation for impacts to unique paleontological resources. If TDS, in consultation with the CPUC-approved paleontologist, determines that the unique paleontological resource can be avoided and thus not impacted, TDS shall ensure that the CPUC-approved paleontologist documents the resource(s) in accordance with professional</p>	<p>If a paleontological resource is discovered, the CPUC-approved paleontologist halts and excludes work within 100 feet of the resource, inspects the resource, and verifies that TDS installs protective barriers and signage identifying the exclusion area. The CPUC-approved paleontologist verifies that TDS notifies the CPUC of the discovery within 24 hours.</p> <p>If the find is determined to be unique, the CPUC-approved paleontologist prepares a resources evaluation report, and verifies that TDS submits the report to the CPUC for review, approval, or request for changes.</p> <p>If it is determined that the resource is unique and can be avoided, TDS verifies that the CPUC-approved paleontologist documents the resource in accordance with professional standards, and the paleontologist verifies that TDS maintains the exclusion area.</p> <p>If it is determined that the paleontological resource is unique and cannot be avoided, the CPUC consults with TDS and the CPUC-approved paleontologist to establish appropriate mitigation measures for the treatment of the resource. TDS verifies that the CPUC-approved paleontologist implements the Paleontological Monitoring Plan and prepares a Paleontological Resources Treatment Report within 90 days of CPUC approval. Upon CPUC approval of the Paleontological Resources Treatment Report, TDS verifies that all resources are curated, and provides a copy of the approved report to CPUC for its records.</p>	<p>Work is immediately halted and excluded in the event of the discovery of a paleontological resource. The paleontologist and TDS prepare and submit an evaluation report, a Paleontological Treatment Plan, and a Paleontological Resources Treatment Report, for review and approval by the CPUC. Any paleontological discoveries determined to be unique are treated in accordance to their associated plan(s), and are appropriately curated.</p>	<p>During construction</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>

Table 6-1 Draft Mitigation Monitoring and Reporting Plan

APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
<p>standards, such as those in the 2010 Society of Vertebrate Paleontology <i>Standard Procedures for the Assessment of Adverse Impacts to Paleontological Resources</i>. TDS shall continue to flag the area for avoidance during construction, and no further treatment shall be required as long as the unique paleontological resource is avoided during construction of the proposed project.</p> <p>However, if the resource is found to be unique and TDS, in consultation with the CPUC-approved paleontologist, determines that it cannot feasibly be avoided, TDS shall consult with the CPUC to determine appropriate mitigation measures for the treatment of impacts on a unique paleontological resource as follows:</p> <ul style="list-style-type: none"> • Mitigation methods may include ensuring that fossils are recovered, prepared, identified, catalogued, and analyzed according to current professional standards under the direction of the CPUC-approved paleontologist. • Methods of recovery, testing, and evaluation shall adhere to current professional standards for recovery, preparation, identification, analysis, and curation, such as the 2010 Society of Vertebrate Paleontology <i>Standard Procedures for the Assessment of Adverse Impacts to Paleontological Resources</i>. • The CPUC-approved paleontologist shall present the mitigation measures that are agreed upon by the CPUC and TDS, in consultation with the CPUC-approved paleontologist, in a Paleontological Treatment Plan. <p>TDS shall ensure that the CPUC-approved paleontologist implements the approved Paleontological Treatment Plan, and TDS may commence work in the area with the CPUC's approval after the identified paleontological resource(s) have been recovered from the field (if recovery is implemented as part of mitigation) and upon approval by the CPUC.</p> <p>TDS shall ensure that the CPUC-approved paleontologist prepares a report documenting the results of the treatment within 90 days of the CPUC's approval of the Paleontological Treatment Plan. TDS shall ensure that the report presents a thorough discussion of the data recovery efforts, presents the conclusions drawn from the data recovery work, and indicates where the recovered unique paleontological resources will be curated. TDS shall submit the report documenting the treatment to the CPUC for review and approval. Once the CPUC approves this report, TDS shall curate the materials and shall provide a copy of the approved report documenting the treatment to CPUC for its records.</p>					

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APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
Hazards and Hazardous Materials					
APM HAZ-1: TDS and/or their contractor will ensure proper labeling, storage, handling, and use of hazardous materials in accordance with BMPs and the Occupational Safety and Health Administration's (OSHA's) Hazardous Waste and Operations and Emergency Response (HAZWOPER) requirements.	CPUC verifies that all hazardous materials are labeled, stored, handled, and used in accordance with project BMPs and OSHA HAZWOPER standards.	All hazardous materials are properly labeled, stored, handled and used according to project BMPs and Occupational Safety and Health Administration's (OSHA's) Hazardous Waste and Operations and Emergency Response (HAZWOPER) requirements.	During construction	Entire project area	TDS, CPUC
APM HAZ-2: TDS and/or their contractor will ensure that employees are properly trained in the use and handling of hazardous materials and that each material is accompanied by a Material Safety Data Sheet (MSDS).	CPUC verifies that TDS and/or contractor has trained employees and each hazardous materials is accompanied by a MSDS.	All personnel receive training prior to starting work on the project.	Prior to construction	Entire project area	TDS, CPUC
APM HAZ-3: Any small quantities of hazardous materials stored temporarily in staging areas will be stored on pallets within fenced and secured areas and protected from exposure to weather. Incompatible materials will be stored separately, as appropriate.	CPUC verifies that any hazardous materials stored temporarily in staging areas are stored on pallets within fenced and secured areas, and protected from weather exposure. CPUC verifies that incompatible materials are stored separately.	All small quantities of hazardous materials are stored on pallets within fenced and secured areas, protected from exposure to weather. All incompatible materials stored separately.	During construction	Entire project area	TDS, CPUC
APM HAZ-4: All hazardous waste materials removed during construction will be handled and disposed of by a licensed waste disposal contractor and transported by a licensed hauler to an appropriately licensed and permitted disposal or recycling facility to the extent necessary to ensure the area can be safely traversed.	CPUC verifies that all hazardous waste materials removed during construction are handled and disposed of by a licensed waste disposal contractor and transported by a licensed hauler to an appropriately licensed and permitted disposal or recycling facility to the extent necessary to ensure the area can be safely traversed.	All personnel receive the CPUC-approved training prior to starting work on the project. All personnel can effectively implement the measures. Smoking is prohibited outside of designated area, required fire extinguishers are available, parking and idling does not occur near combustible vegetation as required.	During construction	Entire project area	TDS, CPUC
APM HAZ-5: Spill clean-up kits would be provided and kept on-site during construction, and equipment would remain in good working order to prevent spills. Significant releases or threatened releases of hazardous materials will be reported to the appropriate agencies.	CPUC verifies that spill clean-up kits are available on-site during construction. TDS will report any significant releases or threatened releases of hazardous materials to the appropriate agencies.	Spill clean-up kits are kept on site during construction. Any significant release or threatened release of hazardous materials is reported.	During construction	Entire project area	TDS, CPUC
APM HAZ-6: Workers shall be instructed regarding the danger of wildland fire and the need to carefully park equipment in areas without dry, brushy vegetation. All work vehicles shall be equipped with a working fire extinguisher. All cigarettes and trash shall be disposed of in proper containers and taken off-site at the end of the day.	CPUC verifies that TDS trains all workers on wildland fire danger, and that all work vehicles are equipped with a working fire extinguisher. CPUC verifies that all cigarettes and trash are disposed of in proper containers and taken off-site at the end of each day.	All personnel received training on wildland fire danger. All vehicles are equipped with a working fire extinguisher. All cigarettes and trash are disposed in appropriate containers and are taken off-site at the end of each day.	Prior to construction – train workers on wildfire danger. During construction – equip vehicles with fire extinguisher and follow fire safety protocols.	Entire project area	TDS, CPUC
Noise					
APM NOI-1: All construction equipment operation shall be limited to the hours of 7 a.m. to 7 p.m. Monday through Friday. No construction operations shall occur on weekends or holidays or during nighttime hours.	CPUC verifies that TDS conducts all construction operations occur between 7 a.m. and 7 p.m., Monday through Friday, and that construction does not occur during holidays.	No construction equipment operation occurs before 7 a.m. and after 7 p.m., Monday through Friday, and no construction occurs on weekends, during holidays, or during nighttime hours.	During construction	Entire project area	TDS, CPUC

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APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
MM NOI-1: Notify Local Landowners of Construction Activities. The applicant shall provide written notice to residences and landowners located within 50 feet of proposed project alignment at least within five days of commencement of construction activities at the street where works will occur. The notice shall state the date of planned construction activity in proximity to that landowner's property and the range of hours during which maximum noise levels may be anticipated.	CPUC verifies that TDS produces and provides written notice to all residences and landowners within 50 feet of the proposed project alignment within five days of the commencement of construction activities on the street where activities will occur.	All residences and landowners within 50 feet of the proposed project alignment receive written notice within five days of the commencement of construction activities on the street where activities will occur. The written notice contains the planned start date of construction activity, the hours during which maximum construction noise levels are expected to occur, and the proximity of the construction activities to the landowner's property.	Prior to construction – before commencement of any construction activities, landowners in the first area of construction activities shall receive notification During construction – as construction progresses, landowners along other portions of the proposed project alignment shall receive written notification	Entire project area	TDS, CPUC
Traffic and Transportation					
APM TRA-1: TDS and/or their contractors will require the project contractor to obtain all necessary local road encroachment permits prior to construction and will comply with all the applicable conditions of approval.	CPUC verifies that TDS and/or their contractor will obtain all necessary road encroachment permits prior to construction. CPUC verifies that all applicable conditions of approval are complied with during construction.	All necessary encroachment permits are obtained prior to the start of construction, and all conditions in these permits are complied with.	Prior to construction – obtain necessary encroachment permit During construction – comply with permit conditions	Entire project area	TDS, CPUC
APM TRA-2: As deemed necessary by the applicable jurisdiction, the road encroachment permits may require the contractor to prepare a traffic control plan in accordance with professional engineering standards prior to construction.	If required by road encroachment permits, CPUC verifies that the contractor prepare a traffic control plan prior to construction.	If required by encroachment permits, a traffic control plan is prepared prior to construction, in accordance with professional engineering standards.	Prior to construction – prepare Traffic Control Plan if needed During construction – implement traffic control plan	Entire project area	TDS, CPUC
APM TRA-3: TDS and/or their contractors will develop circulation and detour plans to minimize impacts to local street circulation. This will include the use of signing and flagging to guide vehicles through and/or around the construction zone.	CPUC verifies that TDS and/or their contractors develop circulation and detour plans prior to construction, and implement the measures outlined in those plans during construction.	All necessary circulation and detour plans are developed and reviewed prior to construction, and CPUC verifies that the plans are implemented as outlined throughout the construction process.	Prior to construction – prepare circulation and detour plans During construction – implement measures outlined in circulation and detour plans	Entire project area	TDS, CPUC
APM TRA-4: TDS and/or their contractors will schedule truck trips outside of peak morning and evening commute hours.	CPUC verifies that TDS and/or their contractors schedule truck trips and movement of construction equipment outside of peak morning and evening commute hours.	All truck trips occur outside of peak morning and evening hours.	During construction	Entire project area	TDS, CPUC
APM TRA-5: TDS and/or their contractors will limit lane closures during peak hours to the extent possible.	If required during construction, lane closers will be limited to off-peak hours to the extent feasible.	Lane closures are limited of off-peak hours when feasible.	During construction	Entire project area	TDS, CPUC
APM TRA-6: TDS and/or their contractors will include detours for bicycles and pedestrians in all areas potentially affected by project construction.	CPUC verifies that TDS and/or their contractors establish safe detours for bicycle and pedestrian paths that will potentially be impacted by project construction.	Bicycle and pedestrian routes that are impacted by project construction are detoured to safe routes.	During construction	Entire project area	TDS, CPUC
APM TRA-7: TDS and/or their contractors will install traffic control devices as specified in the <i>California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Work Zones</i> .	CPUC verifies that all traffic control devices installed during construction are consistent with the <i>California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Work Zones</i> .	Traffic control devices are installed in accordance with the <i>California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Work</i> .	During construction	Entire project area	TDS, CPUC
APM TRA-8: TDS and/or their contractors will coordinate with local transit agencies for the temporary relocation of routes or bus stops in work zones as necessary.	CPUC verifies that TDS and/or their contractor coordinates with local transit agencies to temporarily relocate transit routes and/or bus stops in work zones.	Traffic routes and bus stops are routed to avoid conflicts with work zones during construction.	During construction	Entire project area	TDS, CPUC
MM TRA-1: Road Repair. The applicant shall repair to pre-project conditions any roads damaged by project vehicle traffic. The applicant shall document roadway conditions with photographs prior to the project along roadways within the project area. The applicant shall take photographs after the project and after any repairs that document restoration of pre-project pavement conditions.	CPUC verifies that TDS repairs to pre-project conditions any roads damaged by project vehicle traffic, and photographs are taken both pre- and post-construction to document roadway and pavement changes resulting from project construction.	Any roads damaged by project vehicle traffic are restored post-construction to the conditions documented prior to project construction, and photographs are taken of roadways and pavement conditions pre- and post-construction effectively document all past and existing conditions.	Prior to construction – document pre-project conditions Post-construction – restore damaged roads and document restoration	Roadways throughout entire project area	TDS, CPUC

Table 6-1 Draft Mitigation Monitoring and Reporting Plan

APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
<p>MM TRA-2: Emergency Access. The applicant shall notify local emergency service providers (i.e., police departments, ambulance services, and fire departments) of lane closures at least one week prior to the closure. The applicant shall notify the provider of the location, date, time, and duration of the lane closure. The applicant shall make provisions to maintain emergency vehicle access at all times in coordination with local emergency service providers, such as allowing for bypass of slow vehicle traffic during lane closures.</p>	<p>CPUC verifies that TDS and/or their contractor notify all local emergency service providers serving the project area at least 1 week prior to the lane closure. TDS and/or their contractor will establish provisions to maintain emergency vehicle access at all times throughout construction, including lane closures.</p>	<p>Emergency service providers are notified of lane closures at least 1 week prior to the closure, and emergency vehicles have access to roads and emergency routes at all times throughout construction.</p>	<p>Prior to construction – notify local emergency providers of lane closures</p> <p>During construction – continue to notify local emergency services of lane closures at least 1 week prior to each closure, and maintain emergency vehicle access throughout the project.</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>
<p>Tribal Cultural Resources</p>					
<p>MM TCR-1: Tribal Monitoring for Cloverdale Cemetery: One Native American monitor from the Wintu Tribe of Northern California (Wintu) shall be retained, at the Tribe's option, to observe ground-disturbing activities and all work within 200 feet of the Cloverdale Cemetery, subject to the conditions outlined in this mitigation measure.</p> <p>Wintu monitoring shall be subject to the following conditions:</p> <ul style="list-style-type: none"> • The applicant shall give the Wintu 14 days' advance notice of construction in the vicinity of the Cloverdale Cemetery and shall provide the Wintu with the opportunity to monitor construction activities in the vicinity of the Cloverdale Cemetery as requested in AB 52 consultation with the CPUC. The applicant shall make a good-faith best effort to schedule construction activities in the vicinity of the Cloverdale Cemetery when a Wintu monitor is available. • The Wintu monitor's attendance during construction activities within 200 feet of the Cloverdale Cemetery is ultimately at the discretion of the tribe, and the absence of a Wintu monitor shall not delay construction work if the Wintu has been given 14 days' advance notice. The applicant shall include documentation of its notification of, and communications with, the Wintu regarding the tribe's monitoring in the vicinity of Cloverdale Cemetery as part of the monitoring plan for the proposed project. • The Wintu monitor shall have the ability to temporarily halt work or redirect trenching from the immediate vicinity of a potential unanticipated find or the unanticipated discovery of human remains within 200 feet of the Cloverdale Cemetery. The Wintu monitor shall immediately notify the CPUC-approved archaeological monitor to follow the procedures for the discovery of unanticipated finds (per MM CUL-3) and/or for the unanticipated discovery of human remains per PRC section 5097.98. 	<p>CPUC verifies that TDS provides 14 days advance notice of construction in the vicinity of the Cloverdale Cemetery to the Wintu Tribe of Northern California.</p>	<p>Wintu Tribe of Northern California are notified 14 days prior to construction in the vicinity of the Cloverdale Cemetery.</p> <p>TDS shall make a good-faith best effort to schedule construction activities in the vicinity of the Cloverdale Cemetery when a Wintu monitor is available.</p>	<p>Prior to construction – notify the Wintu Tribe of Northern California.</p>	<p>Cloverdale Cemetery</p>	<p>TDS, CPUC</p>

Table 6-1 Draft Mitigation Monitoring and Reporting Plan

APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
<p>MM TCR-2: Treatment for Unanticipated Tribal Cultural Resources. In the event a resource is discovered that, in the opinion of the CPUC-approved archaeologist, may be considered a tribal cultural resource or a resource of importance to the Wintu Tribe, TDS shall notify the CPUC Project Manager (PM) and Wintu Tribe (Wintu AB 52 or cultural representative) within 24 hours of its discovery. As part of the notification, the resource will be described with sufficient detail to allow the CPUC PM/Wintu AB 52 or cultural representative an understanding of the resource.</p> <p>The CPUC-approved archaeologist, the CPUC PM, and the Wintu AB 52 or cultural representative will assess the potential significance of the find based on the notification information. If the CPUC-approved archaeologist, the CPUC PM, and Wintu AB 52 or cultural representative determine that the resource is not significant, TDS may proceed with construction within 24 hours of receiving notification of this determination.</p> <p>If the find is not determined to be significant, TDS shall submit the appropriate California Department of Parks and Recreation (DPR) 523 forms to the CPUC for review and approval within 48 hours of the find. The CPUC PM will approve or request changes to the DPR 523 forms within seven days of submittal by TDS. Once approved, TDS shall file the completed DPR 523 forms with the Northeast Information Center and shall provide a copy of the DPR 523 forms to the CPUC for its records.</p> <p>If the find is potentially significant, the following procedures will be implemented:</p> <ul style="list-style-type: none"> • If the resource can be avoided and the CPUC-approved archaeologist, CPUC PM, and Wintu AB 52 or cultural representative concur, TDS may proceed with construction work in the area of discovery. • TDS shall ensure that the CPUC-approved archaeologist records the unanticipated resource on the appropriate DPR 523 forms. TDS shall submit the DPR 523 forms to the CPUC for review and approval within 48 hours of the find. The CPUC PM will approve or request changes to the DPR 523 forms within seven days of submittal by TDS. Once approved, TDS shall file the completed DPR 523 forms with the Northeast Information Center and shall provide a copy of the DPR 523 forms to the CPUC for its records. • If the Wintu request further consultation on a resource, the CPUC-approved archaeologist, CPUC PM, and Wintu AB 52 or cultural representative will consult on the development of the Evaluation Plan and/or the Data Recovery Plan and all subsequent documentation. The review and approval will be sought in the same timeframe for both the CPUC and Wintu AB 52 or cultural representative as that described in MM CUL-3. If the Wintu indicate that consultation with them regarding the Evaluation Plan and/or Data Recovery Plan is not needed, 	<p>The CPUC-approved archaeologist halts work, excludes and inspects unanticipated cultural resources discoveries, and guides TDS through CPUC- and agency-recommended protocols if an unanticipated resource is found.</p> <p>The CPUC-approved archaeologist verifies that TDS follows appropriate procedures for the avoidance of tribal cultural resources <u>or a resource of importance to the Wintu tribe</u>, evaluation of them, evaluation plan implementation, and data recovery plan implementation (if needed).</p>	<p>The CPUC-approved archaeologist immediately halts work if an unanticipated tribal cultural resource <u>or a resource of importance to the Wintu Tribe</u> is discovered during construction, and directs TDS through the appropriate agency/tribal contact, paperwork, and plan submittal procedures and requirements. CPUC receives and approves all required Plans, Memos, and Reports, dependent on the nature of the unanticipated discovery.</p>	<p>During construction – Under direction of the CPUC-approved archaeologist, TDS halts and excludes work upon discovery of unanticipated resources discoveries, and follows monitoring and reporting protocols under the direction of the CPUC-approved archaeologist/Wintu monitor and in coordination with the CPUC, dependent on the nature of the discovery.</p> <p>Post-construction – As needed based on the nature of the discovery, upon completion of field work within the sensitive area, TDS and the CPUC-approved archaeologist prepare the appropriate documentation for review and filing with the NEIC. Where appropriate, assistance may be provided by the Wintu.</p>	<p>Entire project area</p>	<p>TDS, CPUC, NEIC (for receipt of documentation)</p>

Table 6-1 Draft Mitigation Monitoring and Reporting Plan

APMs and Mitigation Measures	Monitoring/Reporting Action	Effectiveness Criteria	Timing	Location	Responsible Agencies and Parties
<p>only CPUC review and approval will be required for this plan(s), along with subsequent fieldwork and documentation.</p> <p>Once the CPUC-approved archaeologist, CPUC PM, and Wintu AB 52 or cultural representative approve the Evaluation Plan and/or Data Recovery Plan, TDS shall ensure that the CPUC-approved archaeologist implements the approved plan. If a Wintu monitor is requested as part of the Evaluation and/or Data Recovery Plan, the role of the monitor will be outlined in the Evaluation Plan and/or Data Recovery Plan.</p>					
Utilities and System Services					
<p>APM PSU-1: TDS and/or their contractors will recycle solid waste generated during construction, to the extent practicable.</p>	<p>CPUC verifies that TDS and/or their contractor recycles solid waste generated by the project, to the extent practicable.</p>	<p>To the extent practicable, solid waste generated during construction is recycled.</p>	<p>During construction</p>	<p>Entire project area</p>	<p>TDS, CPUC</p>

Key:

AB	Assembly Bill	MSDS	Material Safety Data Sheet
APM	applicant proposed measure	NAHC	Native American Heritage Commission
AQAP	Air Quality Attainment Plan	NEIC	Northeast Information Center
BMP	best management practices	NPDES	National Pollutant Discharge Elimination System
CPUC	California Public Utilities Commission	OSHA	Occupational Safety and Health Administration
DPR	California Department of Parks and Recreation	PRC	Public Resources Code
EPA	U.S. Environmental Protection Agency	SCAQMD	South Coast Air Management District
HAZWOPER	Hazardous Waste and Operations and Emergency Response	SWPPP	Stormwater Pollution Prevention Plan
km	kilometers	SWRCB	State Water Resources Control Board
m	meters	TDS	TDS Telecom, Inc.
MM	mitigation measure	Wintu	Wintu Tribe of Northern California