



EL DORADO COUNTY

DEPARTMENT OF TRANSPORTATION

<http://www.edcgov.us/DOT/>

PLACERVILLE OFFICES:

MAIN OFFICE:

2850 Fairlane Court, Placerville, CA 95667
(530) 621-5900 / (530) 626-0387 Fax

CONSTRUCTION & MAINTENANCE:

2441 Headington Road, Placerville, CA 95667
(530) 642-4909 / (530) 642-0508 Fax

LAKE TAHOE OFFICES:

ENGINEERING:

924 B Emerald Bay Road, South Lake Tahoe, CA 96150
(530) 573-7900 / (530) 541-7049 Fax

MAINTENANCE:

1121 Shakori Drive, South Lake Tahoe, CA 96150
(530) 573-3180 / (530) 577-8402 Fax

DATE: February 11, 2022

TO: All Prospective Bidders

SUBJECT: **Addendum No. 1**
Mosquito Road at South Fork American River Bridge Replacement Project
Contract No. 5084, Project No. 36105028 (77126)

Submit proposals for this work with the understanding and full consideration of this Addendum No. 1. The revisions declared in this Addendum are essential revisions to the Contract Documents.

ITEM NO.	LOCATION, PAGE, OR DRAWING NO.	DESCRIPTION OF CHANGE
1.01	Contract Documents	County instructs Bidders to replace various sections of the Contract Documents with the attached revised sections of the Contract Documents.
1.02	Appendix B	County instructs Bidders to replace all APPENDIX B "Draft" Regulatory Permits with the attached Final Regulatory Permits
1.03	Draft Agreement Pages C-12 to C-19	County instructs Bidders to replace "EXHIBIT A CONTRACTOR'S BID AND BID PRICE SCHEDULE MOSQUITO ROAD AT SOUTH FORK AMERICAN RIVER BRIDGE REPLACEMENT CONTRACT NO. 5084, CIP No. 36105028 (77126)" pages C-12 through C-19 of the Draft Agreement with the attached pages REV C-12 through REV C-19.
1.04	Draft Agreement Pages C-41 to C-69	County instructs Bidders to replace "EXHIBIT E FEDERAL WAGE RATES" pages C-41 through C-69 of the Draft Agreement with the attached pages REV C-41 through REV C-69. This change accounts for updating to the most current Federal Wage Rates.
1.05	Proposal Pages P-3 to P-10	County instructs Bidders to replace "PROPOASL PAY ITEMS AND BID PRICE SCHEDULE MOSQUITO ROAD AT SOUTH FORK AMERICAN RIVER BRIDGE REPLACEMENT CONTRACT NO. 5084 / CIP No. 36105028 (77126)" pages P-3 through P-10 of the Proposal with the attached pages REV P-3 through REV P-10.

ITEM NO.	LOCATION, PAGE, OR DRAWING NO.	DESCRIPTION OF CHANGE
1.06	Proposal Pages P-23 to P-25	County instructs Bidders to replace “ CERTIFICATION OF BIDDER’S QUALIFICATIONS ” pages P-23 through P-24 and “ CERTIFICATION OF GROUND ANCHOR/SOIL NAIL CONTRACTOR ” page P-25 of the Proposal with the attached pages REV P-23 through REV P-25.
1.07	Various Plan Sheets	County instructs Bidders to incorporate the attached revised Plan Changes into the Contract Plan Set.

Indicate receipt of this Addendum No. 1 by filling in the number of this Addendum in the space provided on the signature page of the Proposal. Holders who have already electronically submitted their Proposal can contact Brian Franklin at 530-621-5311 (email: brian.franklin@edcgov.us) to arrange return of their Proposal. Inform all suppliers and subcontractors as necessary. The Department of Transportation is only sending this Addendum by posting on QuestCDN's website at: <https://www.questcdn.com/>. You must be a Contract Documents holder on the Quest Plan Holder Report and comply with the requirements of this Addendum No. 1 when submitting your bid.

End of Addendum No. 1


 Approved by:
 Rafael Martinez, Director
 Community Development Services
 Department of Transportation

2/11/22
 Date

NOTICE TO BIDDERS REVISIONS:

Replace all references to Bid Opening Date in “Notice To Bidders” with:

February 25, 2022

Replace Item J in “Notice To Bidders” with:

J. The Contract time is six hundred fifty (650) WORKING DAYS.

SPECIAL PROVISIONS REVISIONS:

Replace Item 1 in Standard Specification section 3-1.07 with:

1. Copy of its commercial general liability policy or certificate of insurance in effect at the time of contract execution. Standard ISO form no. CG 00 01 or similar exclusions are allowed if not inconsistent with section 7-1.06. The allowance of additional exclusions is at the discretion of the Department.

Delete the following reference in the 2nd paragraph of Standard Specification section 5-1.02:

1.7. Supplemental project information

Replace the table in the 4th paragraph of section 5-1.20H with:

APN	Construction Item(s)
084-030-015	<ol style="list-style-type: none"> 1. Install a temporary mailbox with portable foundation prior to removing the existing mailbox. Replace the removed mailbox with a permanent mailbox following the completion of the driveway improvements. The location of the mailbox will be as directed by the Engineer. 2. Restore access roads constructed within the TCE to their original and natural condition. Stabilize all disturbed soil areas within the TCE through hydroseeding and other erosion control measures, in accordance with the approved project SWPPP. Trees within the TCE may be left in place or cut into rounds. Trees removed within the Right of Way improvements must be cut into 6' lengths and staged in areas approved by the Owner. Removed brush and branches must be disposed of or may be chipped and placed back onto the soil for erosion control within areas approved by the Engineer. 3. Take down and deconstruct the old barn located on the north side of Mosquito Road. Reasonable care must be taken during deconstruction to salvage materials from the old barn. All salvaged materials belong to the property owner and must be left within the footprint of the old barn or adjacent to it. 4. Demolish the existing chicken coop, located near the old barn, and dispose of all materials generated from demolition. 5. Replace in-kind, and in accordance with applicable Caltrans Standard Plans, any fencing or gates removed to facilitate construction.
084-030-014	<ol style="list-style-type: none"> 1. Restore access roads constructed within the TCE to their original and natural condition. Stabilize all disturbed soil areas within the TCE through hydroseeding and other erosion control measures, in accordance with the approved project SWPPP. Trees within the TCE may be left in place or cut into rounds. Trees removed within the Right of Way must be cut into 6' lengths and staged in areas approved by the Owner. Removed brush and branches must be disposed of or may be chipped and placed back onto the soil for erosion control within areas approved by the Engineer. 2. Provide property owner with a key or supplemental lock to the proposed gate approximately located at 'N' 5+90.
084-210-004	Restore access roads constructed within the TCE to their original and natural condition. Stabilize all disturbed soil areas within the TCE through hydroseeding and other erosion control measures, in accordance with the approved project SWPPP. Trees within the TCE may be left in place or cut into rounds. Trees within the Right of Way improvements must be cut into 6' lengths and staged in areas approved by the Owner. Removed brush and branches must be disposed of or may be chipped and placed back onto the soil for erosion control within areas approved by the Engineer.
084-030-045 & 084-030-046	Restore any areas used for construction staging within the TCE to their pre-construction condition upon completion of work in the area.

Replace “Delete the RSS dated 10/18/19 for section 5-1.43” in the Special Provisions with:

Delete the RSS dated 10/18/19 for section 5-1.43A

Delete the following from the Special Provisions section 8-1.04

Replace Reserved in section 8-1.04C with:

Replace “Add to the end of section 8-1.10C:” section of the Special Provisions with:

Work on Stage 0 must be complete within the ten (10) week closure period and have traffic safely shifted to accommodate Stage 1 traffic at the North Approach. This work must be coordinated with school schedules and closure requirements in accordance with Section 12-4.02 and Section 5-1.20.

Liquidated damages for not completing the 48" plastic pipe culvert and roadway embankment to a minimum of 5' above top of pipe from approximately 'M' Line 21+50 to 23+00 by October 15, 2022 are \$10,000 per day. This work also includes completion of all pertinent work activities within and/or adjacent to waterways, such as restoration, temporary and/or permanent erosion control, rock slope protection, etc.

Delete the following reference in Special Provisions section 12-4.02C(1):

2. Special Days

Delete the reference to special days in the sentence and table in Special Provisions section 12-4.02C(3)(f):

Revise the date from 4-19-19 to 4-17-20 in:

Replace “Contract approval” in the 1st sentence of the 1st paragraph of the RSS dated 4-19-19 of section 13-3.01C(2)(a) with:

Delete the following sentence in the last paragraph of Special Provisions section 14-6.03B:

No separate payment will be made in the event construction activities are delayed due to bird nesting.

Replace the 1st sentence in the 6th paragraph of Special Provisions section 14-12.01:

Concrete may not be poured within 10 days of any measurable forecasted rain.

Add to section 19-2.04:

Producing and placing boulders as shown per the plans is included in the payment for roadway excavation.

Replace section 19-11 with:

19-11 CONSTRUCT ACCESS

19-11.01 GENERAL

Section 19-11 includes specifications for constructing, maintaining and removing access routes and staging areas necessary for completing the work.

Contractor is advised that the rural County roads and highways including Mosquito Road, Highway 49, Highway 193, Rock Creek Road, and Mosquito Cutoff Road are the only roadway accesses to the North and South Project sites. Some locations of the roads and highways have lane widths less than 10 feet. All costs associated with accessing the Project with equipment and materials must be incorporated into the Construct Access Bid Item and other Bid Items incidental to the work.

Access routes and staging within the Project areas must be constructed within the limits of the Temporary Construction Easements and may include temporary roadways, temporary structures, or other means and methods.

Temporary High-Visibility Fences must comply with section 16-2.03.

Earthwork must comply with section 19.

Hydroseeding must comply with section 21.

Temporary Structures must comply with section 48.

Tree removal work must comply with the El Dorado County Oak Resources Management Plan (ORMP), located here: <https://www.edcgov.us/Government/longrangeplanning/environmental/Documents/Reso-129-2017-Exhibit-A-ORMP-10-24-2017.pdf>. County has performed tree surveys and Arborist reports for all permanent impact areas within right-of-way acquisition areas, and slope and drainage easements associated with the Project. The County will pay for in-lieu mitigation fees associated with the County report for permanent impacts. You are responsible for hiring an Arborist approved by the Engineer to conduct heritage oak and oak woodland tree surveys for all impacts associated with temporary work zones, access roads, staging areas, etc. within temporary construction easement areas. You are also responsible for the associated payment of in-lieu mitigation fees, in accordance with the ORMP, for impacts to heritage oak trees and oak woodland canopy within temporary construction easement areas on private property. In the event that you elect to procure additional right-of-way areas from private owners, provide documentation of these agreements to Engineer for informational review. Contractor must also account for ORMP requirements within these areas as covered within this "Construct Access" item.

Temporary systems, surcharge loading during construction, and access routes must not damage permanent structures. Soil nail and Ground Anchor walls have not been designed for any construction surcharge loading upslope of the top of wall. If Contractor proposes to place temporary load surcharges upslope of the top of walls, they must perform a slope stability analysis or provide engineering data and evaluation to demonstrate that no impacts will occur to the permanent features of work. Required factors of safety on failure planes are 1.3 within the wall limits, and 1.5 below the toe of the wall. If Contractor proposes lesser factors of safety than those listed, it must be submitted for review and approval based on applicable codes and standards, geotechnical and site considerations, and mitigation and monitoring considerations. Additionally, if Contractor proposes temporary piles or foundation systems upslope of the top of walls, they must demonstrate that no impacts will occur to the permanent features to include consideration of the following: conflicts with project nails, Ground Anchor, etc., surcharge loading (including lateral considerations), and loading upon slip plans and unstable soil conditions upslope from the wall. Cost for slope stability analysis or any additional geotechnical site evaluation (or additional engineering), and any wall modifications necessary for surcharge loading must be included in the lump sum bid item for Construct Access. Submit locations, and magnitude of surcharges, along with the slope stability analysis to the Engineer for authorization prior to commencing work upslope of the walls.

To create additional work area at the piers, you may propose layout revisions or substitutions to the soil nail walls. Revisions or substitutions to soil nail walls must be designed by a California Registered Professional Engineer and submitted to the Engineer for review and approval. Submit shop drawings and calculations in accordance with section 46. The ground anchors must be built per plan in the areas behind the piers. If your plan includes additional ground anchors, they must be included in the ground anchor shop drawings and calculations in accordance with section 46. Payment in excess of the Final Pay Bid Items for this work must be included in the Bid Item for Construct Access and shown in the Schedule of Values required in this section.

You may propose temporary upgrades or modifications to existing Mosquito Road Bridge at South Fork American River (refer to Section 10-1.03 for existing load restrictions), and/or existing Rock Creek Road Bridge at Rock Creek Crossing (road legal non-permit allowable load limit) in an effort to accommodate construction access. Any proposed changes to these existing bridges must be submitted to Engineer for

review and approval. Submitted changes must consider (at a minimum) the following: unique site constraints and considerations, safety (both public and worker), demonstrate technical and engineering adherence to load and geometry requirements in addition to applicable codes and standards, and provide preservation and restoration plans to restore the infrastructure to existing condition or proposed betterment post project condition. You are responsible for repair of any damage caused to the structures during the implementation of the work. You are also responsible for any additional environmental permit requirements and/ or clearances, and additional right-of-way needs. In the event that work activities impede upon sensitive areas, habitat, or within ordinary high water; additional environmental permits may be required to include: USACE clearances (i.e. Nationwide Permit), RWQCB clearances (i.e. Water Quality Certification and SWPPP coverage), and CDFW clearances (i.e. Streambed Alteration Agreement). These environmental clearances may require three to six months or more pending proposed work activity details, site specific constraints, habitat impacts, coordination requirements, etc. All proposed modification and/ or upgrades to existing infrastructure must also be included as a separate item (or items) in the submitted schedule of values for the Construct Access pay item.

Submit a schedule of values that, at a minimum, includes the following items:

1. Construct Access work plan
2. Supplemental Arborist Report and payment of associated ORMP mitigation fees
3. Construction of Access Roads and Staging Areas
4. Maintenance of Access Roads and Staging Areas
5. Stabilization (Temporary and Permanent) of Access Roads and Staging Areas
6. Decommissioning and Restoration of Access Roads and Staging Areas
7. Any revisions and associated work (including permits) for modifications to existing structures
8. The installation of the new gates located on the north side of the canyon as shown on the plans (L-5 and L-6)

Submit a Supplemental Arborist Report that identifies oak tree impacts, in accordance with the El Dorado County ORMP. The report must include the following items:

1. Pre and post construction tree surveys that include the size, species, health and other pertinent info for trees removed or potentially impacted.
2. A preliminary (pre-construction) assessment of oak tree impacts (i.e. discussion, exhibit, table) that includes estimated impacts to oak tree habitat and heritage oaks.
3. A final (post-construction) assessment of oak tree impacts (i.e. discussion, exhibit, table) that includes actual impacts to oak tree habitat and heritage oaks.
4. Total mitigation fees required and receipt for payment made to the El Dorado County ORMP.

The Supplemental Arborist Report must be prepared and signed by an ISA Certified Arborist. Allow 20 days for the Department's review.

Submit a work plan for your access routes, temporary structures, and staging areas that includes:

1. Activities, processes, equipment, and materials used to construct the routes and staging areas, while maintaining slope stability.
2. Shop drawings, supporting calculations, engineering data, and site evaluation reports for temporary structures and temporary drainage routes/features. Also provide calculations showing that surcharge loading from cranes, trestles, struts or other temporary structures used for access or bridge construction does not overstress permanent structures.
3. Locations of the routes and staging areas, including methods used to keep areas secure and ensure access is limited to authorized personnel.
4. Temporary and permanent erosion control features, in accordance with the approved project SWPPP.
5. Quality control plans and details.
6. Restoration Plan that identifies decommissioning work and details.

The work plan must be sealed and signed by a Professional Engineer in the State of California. Allow 30 days for the Department's review.

19-11.02 MATERIALS

Not Used

19-11.03 CONSTRUCTION

Install temporary high-visibility fences at the limits of all access routes and staging areas.

Construct access routes and staging areas in accordance with the approved work plan.

Keep staging areas and access routes free of obstructions and maintained in good condition until they are no longer needed.

Remove fencing, as needed, to facilitate construction. Replace removed fencing, in-kind, during restoration of the access routes and staging areas.

Restore areas disturbed by constructing access routes and staging areas to their original and natural condition. Stabilize all disturbed areas through hydroseeding per the steps/application rates shown. Install other erosion control measures as needed for temporary and final stabilization, in accordance with the approved project SWPPP.

19-11.04 PAYMENT

Payment for Construct Access includes the items of work detailed in section 19-11 as well as modification of any permanent retaining structures necessary for access, staging, or convenience.

Add / Replace in section 49-5.01C(3) in the Special Provisions:

6. Associated factors such as the reduction factor, diameter, and grout-to-ground strength.
7. Calculations for micropile bond length

Replace “not used” in Special Provisions section 49-5.01C(5) with:

Submit certified mill test reports for each heat number of each type of steel reinforcing element at least 7 days before using the materials in the work. The certified mill test reports must include ultimate strength, yield strength, elongation, and chemical composition.

Replace the table in the 2nd paragraph of section 49-5.01D(4)(c)(ii) with:

Bridge no.	Verification test micropile location	Support locations
25C0149	Test Pile 1 (location as directed by the Engineer)	Pier 3
25C0149	Test Pile 2 (Location as directed by the Engineer)	Pier 3

Add to section 49-5.02B(1) of the Special Provisions

Mill secondary steel reinforcing elements must not be used.

Replace the 2nd sentence of section 49-5.04 of the Special Provisions with:

Payment for the installation of verification test piles, verification testing, and proof testing is included in the payment for micropiles.

Replace section 50-1.01C(10) of the Special Provisions with:

Submit results of grout batch testing, with the Grouting Plan, to the Engineer at least 45 days before grouting tendons.

Replace the last paragraph of section 50-1.03B(2)(d)(iii) in the Special Provisions with:

Verify fluidity of grout in accordance with ASTM C939 as modified in [Section 50-1.01D\(2\)\(g\)\(ii\)](#). Efflux time must be between 9 and 20 seconds.

Replace the 9th paragraph of section 50-1.03B(2)(d)(iv) in the Special Provisions with:

Before closing the final vent at the grout cap, discharge at least 2 gal of grout into a clean receptacle. Verify fluidity of discharged grout in accordance with ASTM C939 as modified in [Section 50-1.01D\(2\)\(g\)\(ii\)](#). Efflux time must not be less than the time measured at the pump. If grout efflux time is not acceptable, discharge additional grout and retest until efflux time is acceptable.

Add the following section 77 to the Special Provisions:

Replace section 77 with:

77-1 GENERAL

77-1.01 GENERAL

77-1.01A Summary

Section 77-1 includes general specifications for constructing local infrastructure.

Local infrastructure must comply with the latest version of Pacific Gas and Electric Company (PG&E) Electric Service Requirements (Greenbook), and AT&T's specifications in section 77-2.

The latest copy of PG&E's Greenbook Manual can be found at:

https://www.pge.com/en_US/large-business/services/building-and-renovation/greenbook-manual-online/greenbook-manual-online.page

77-1.02 MATERIALS

Not Used

77-1.03 CONSTRUCTION

Not Used

77-1.04 PAYMENT

Not Used

77-2 JOINT TRENCH

77-2.01 GENERAL

77-2.01A Summary

Section 77-2 includes specifications for installing joint trench and pull boxes for future utilities as identified on the plans.

77-2.02 MATERIALS

77-2.02A AT&T Conduit, Boxes, and Manholes

77-2.02A(1) Conduit

Conduit placed for AT&T must be for its exclusive use. AT&T will not occupy the same conduit with other utilities or foreign cable/communication systems. AT&T may refuse to occupy conduit that deviates from plans and specifications. AT&T will need to confirm the number and size of conduits shown on the plans.

You are responsible for repairing or resolving any problems with the conduit installed that prevents AT&T from pulling its cable through the conduit using normal installation methods. All conduit sections must be rodded, cleared, and roped prior to AT&T pulling in cable. Mandrelling of conduit may be required.

Four inch (4") conduit must be type PTS 77 (C plastic) or Schedule 40.

1. Minimum sweep for 4" conduit is three (3) ft 90 degree radius.
2. Maximum of two (2) 90 degree bends
3. Three-eighth inch (3/8") minimum polypropylene pull line or equivalent strength Polyester Woven Mule Tape must be installed in terminated conduit end to end. Leave a minimum of 3' of secured rope in each box. Ropes must be one continuous length for each section and to the terminal room in the building (no tying or splicing of rope).

Two inch (2") conduit must be type PTS 66/DB 120 rigid plastic or Schedule 40.

1. Minimum sweep for 2" conduit is two (2) ft 90 degree radius.
2. Maximum of two (2) 90 degree bends.
3. Three-sixteenth inch (3/16") or larger, polypropylene pull line or equivalent strength Polyester Woven Mule Tape must be installed in terminated conduit end to end.
4. Leave a minimum of 3' of secured rope in each box. Ropes must be one continuous length for each section and to the terminal room in the building (no tying or splicing of rope).

Rigid plastic or steel conduit must be used in floor slabs.

Conduits and plumber's fittings for water and gas pipes are not acceptable.

77-2.02A(2) Boxes and Manholes

All pull boxes, splice boxes and manholes placed will be owned and maintained by the County must be approved for use by AT&T. You may purchase from any manufacturer that meets AT&T's specifications for boxes and manholes, and must include the appropriate racking, sump, bolt down cover, and pulling eyes. Boxes and manholes owned by the County must have a generic telephone emblem on the lid. The use of AT&T's name or logo is not permitted on County owned boxes and manholes.

77-2.02B PG&E Conduit

Conduit placed for PG&E must be for its exclusive use. PG&E will not occupy the same conduit with other utilities or foreign electrical systems. PG&E may refuse to occupy conduit that deviates from plans and specifications. PG&E will need to confirm the number and size of conduits shown on the plans.

All conduit must be per PG&E's Greenbook Manual.

77-2.02C County Conduit and Pull Boxes

77-2.02C(1) Conduit

Conduit used must comply with section 86-1.02B.

Conduit installed underground or within the structure must be Type 3.

All new conduits must include tracer wire and pull rope.

77-2.02C(2) Pull Boxes

Pull Boxes used must comply with section 86-1.02C.

Space pull boxes no more than 200 feet apart. You may install additional pull boxes to facilitate the work.

All pull boxes must be:

1. Outside of sidewalk area (if applicable).
2. Behind signal poles (away from traffic side).
3. Behind the curb or at the locations shown on the plans.
4. Pull boxes must be provided with locking mechanisms as specified in the Caltrans Standard Plans.

In a ground or sidewalk area, embed the bottom of a pull box in crushed rock.

Place the pull box 1-1/4 inches above the surrounding grade.

Do not install a pull box in curb ramps or driveways.

A pull box for a post or a pole standard must be located within 5 feet of the standard. Place the pull box adjacent to the back of the curb or edge of the shoulder. If this is impractical, place the pull box in a suitable, protected, and accessible location.

77-2.02C(2)(1) Warranty

Provide a minimum 2-year manufacturer's replacement warranty for the pull box and cover. The warranty period starts on the date of Contract acceptance.

Deliver replacement parts within 5 business days after you receive notification of a failed pull box, cover, or both to:

Darryl Brown
Traffic Superintendent
2441 Headington Road
Placerville, CA 95667
(530) 642-4919

77-2.03 CONSTRUCTION

77-2.03A General

All joint trench backfilling must be per PG&E's Greenbook.

77-2.03B AT&T Conduit, Boxes, and Manholes

Minimum trench coverage is 30-inches unless otherwise approved by the Engineer.

Service conduit (2" or 4") must be terminated above distribution conduits (4") in the box to prevent water flowing from the box and down service conduit toward the building. Boxes must be ordered with the appropriate number of knockouts or terminators to accommodate the conduits.

Wall to wall measurements of terminated conduit between boxes and to the terminal room in the building is required (use Logan's line, Tru Tape®, mule or steel tape). Lengths must be included in the "As-Builts" and a copy provided to AT&T prior to installation of AT&T's cable.

Conduit in multiple duct designs must be installed using AT&T approved spacers.

Concrete encase (2500 psi) all bends with less than 80' radius.

A maximum of two (2) 90 degree bends per section may be installed unless otherwise approved by AT&T. Pull boxes may be required. Straight 20' lengths may be used on 90 degree bends with a radius greater than 40'. Factory bends are required for all other bends.

Underground entrance conduit in a building must terminate 2" above the floor. The terminal room should be planned so that AT&T's entrance cable WILL NOT EXCEED 50' beyond the point where it enters the building.

Rope all conduits (see material requirements on page 7). Use a temporary universal plug to keep conduit free of debris. Cap all stubbed conduit.

All boxes must be placed in areas outside of vehicular traffic. The AT&T engineer will specify the size and location of boxes. Manholes will be specified in areas that are exposed to vehicular traffic.

Placement of boxes and manholes must allow for the final grade of new sidewalk and parkways.

A minimum of six inches (6") of compacted sand, graded level is required under all pull boxes (hand holes) and splice boxes. Six inches (6") of gravel, drain rock or base rock is required for manholes. The floor must be level and free of debris.

Conduit must terminate at the end wall or side wall in a terminator or knockout as specified by the AT&T Engineer. Entry through the bottom of a box or the middle of a side wall is not acceptable.

All conduits entering knockouts in a plastic or polymer box must be cut within one inch (1") flush with the inside of the wall and sealed. All joints must be mortared and all unused ports and openings sealed. Use cement mortar, water plug cement or other approved prepared mortars.

Service conduits must be terminated above the main distribution conduits.

77-2.03C PG&E Conduit

All conduit installed must be per PG&E's Greenbook Manual.

77-2.03D County Conduit and Pull Boxes

77-2.03D(1) Conduit

Conduit installation must comply with section 87-1.03B.

77-2.03D(2) Pull Boxes

Pull box installation must comply with section 87-1.03C.

77-2.03E Inspection

The Engineer must inspect and approve the entire joint trench prior to backfilling conduit placed in joint trench.

AT&T and PG&E representatives must inspect and approve all conduits and boxes placed prior to backfilling any joint trench. You must contact AT&T and PG&E representatives a minimum of one (1) week prior to scheduled inspection.

77-2.04 PAYMENT

New concrete pad, boxes, lids, fittings, joint materials, thrust blocks, caps, plugs, sweeps, wyees, excavation, backfill, pipe, and tracer wire required for joint trench is included in the payment for joint trench.

All conduit through structure is included in the linear foot payment for joint trench.

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Delete the 2nd paragraph of section 90-1.02(2)(a) of the Standard Specifications

Central Valley Regional Water Quality Control Board

3 March 2021

Jon Balzer
El Dorado County, Department of Transportation
2850 Fairlane Court
Placerville, CA 95667

**CLEAN WATER ACT SECTION 401 TECHNICALLY CONDITIONED WATER
QUALITY CERTIFICATION; EL DORADO COUNTY, DEPARTMENT OF
TRANSPORTATION, MOSQUITO ROAD AT SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT PROJECT (WDID#5A09CR00214), EL DORADO COUNTY**

This Order responds to the 2 June 2020 application submitted by El Dorado County, Department of Transportation (Applicant) for the Water Quality Certification of the Mosquito Road at South Fork American River Bridge Replacement Project (Project), permanently impacting 0.03 acre/395 linear feet and temporarily impact 0.016 acres of waters of the United States.

This Order serves as certification of the United States Army Corps of Engineers' Nationwide Permit #14 (SPK-2019-00222) under Section 401 of the Clean Water Act, and a Waste Discharge Requirement under the Porter-Cologne Water Quality Control Act and State Water Board Order 2003-0017-DWQ.

WATER QUALITY CERTIFICATION STANDARD CONDITIONS¹:

1. This Order serves as a Water Quality Certification (Certification) action that is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Section 13330 of the California Water Code and Section 3867 of the California Code of Regulations.
2. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to Section 3855(b) of the California Code of Regulations, and the application specifically

¹ For compliance with Code of Federal Regulations, title 40, section 121.7, subdivision (d), please see the final enclosure to this Order.

KARL E. LONGLEY ScD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

11020 Sun Center Drive #200, Rancho Cordova, CA 95670 | www.waterboards.ca.gov/centralvalley

identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

3. The validity of any non-denial Certification action shall be conditioned upon total payment of the full fee required under Section 3860(c) of the California Code of Regulations.
4. This Certification is no longer valid if the Project (as described) is modified, or coverage under Section 404 of the Clean Water Act has expired.
5. All reports, notices, or other documents required by this Certification or requested by the Central Valley Water Board shall be signed by a person described below or by a duly authorized representative of that person.
 - (a) For a corporation: by a responsible corporate officer such as: 1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; 2) any other person who performs similar policy or decision-making functions for the corporation; or 3) the manager of one or more manufacturing, production, or operating facilities if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - (b) For a partnership or sole proprietorship: by a general partner or the proprietor.
 - (c) For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official.
6. Any person signing a document under Standard Condition number 5 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

TECHNICAL CERTIFICATION CONDITIONS²:

In addition to the above standard conditions, the Applicant shall satisfy the following:

1. The Applicant shall notify the Central Valley Water Board in writing seven (7) days in advance of the start of any work within waters of the United States.
2. Except for activities permitted by the United States Army Corps of Engineers under Section 404 of the Clean Water Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.
3. The Applicant shall maintain a copy of this Certification and supporting documentation (Project Information Sheet) at the Project site during construction for review by site personnel and agencies. All personnel (employees, contractors, and subcontractors) performing work on the proposed Project shall be adequately informed and trained regarding the conditions of this Certification.
4. The Applicant shall perform surface water sampling³:
 - a) when performing any in-water work;
 - b) in the event that Project activities result in any materials reaching surface waters; or
 - c) when any activities result in the creation of a visible plume in surface waters.

Monitoring and reporting requirements identified in Table 1 are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383. Water Code section 13267 authorizes the regional boards to require any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste to provide technical or monitoring program reports required by the regional board. Water Code section 13383 authorizes the regional boards to establish monitoring, inspection, entry, reporting, and other recordkeeping requirements, as authorized by Water Code section 13160, for any person who discharges, or proposes to discharge, to navigable waters. The burden of preparing these reports, including costs, are reasonable in relation to the need for and benefits from obtaining the reports. The reports confirm that the measures required under this order are sufficient to protect beneficial uses and water quality objectives.

² For compliance with Code of Federal Regulations, title 40, section 121.7, subdivision (d), please see the final enclosure to this Order.

³ Sampling is not required in wetlands, where the entire wetland is being permanently filled; provided there is no outflow connecting the wetland to surface waters.

- d) The sampling requirements in Table 1 shall be conducted upstream out of the influence of the Project, and 300 feet downstream of the work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

The sampling requirements in Table 1 shall be conducted upstream out of the influence of the Project, and 300 feet downstream of the work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

Table 1: Sample Type and Frequency Requirements

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab ⁴	Every 4 hours during in-water work	5, 6
Visible construction related pollutants ⁷	Observations	Visual Inspections	Continuous throughout the construction period	NA

Surface water sampling shall occur at mid-depth. A surface water monitoring report shall be submitted within two weeks of initiation of in-water construction, and every two weeks thereafter. In reporting the sampling data, the Applicant shall arrange the data in tabular form so that the sampling locations, date, constituents, and concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the Project complies with Certification requirements. The report shall include surface water sampling results, visual observations, and identification of the turbidity increase in the receiving water applicable to the natural turbidity conditions specified in the turbidity criteria below.

⁴ Grab samples shall not be collected at the same time each day to get a complete representation of variations in the receiving water.

⁵ Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136, where no methods are specified for a given pollutant, the method shall be approved by Central Valley Water Board staff.

⁶ A hand-held field meter may be used, provided the meter utilizes a USEPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

⁷ Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.

If no sampling is required, the Applicant shall submit a written statement stating, "No sampling was required" within two weeks of initiation of in-water construction, and every two weeks thereafter.

5. The Central Valley Water Board adopted a *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fifth Edition, revised May 2018 (Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. Turbidity limits are based on water quality objectives contained in the Basin Plan and are part of this Certification as follows:
 - a) Waters shall not contain oils, greases, waxes, or other materials in concentrations that cause nuisance, result in a visible film or coating on the surface of the water or on objects in the water, or otherwise adversely affect beneficial uses.
 - b) Activities shall not cause turbidity increases in surface water to exceed:
 - i. where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTUs;
 - ii. where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
 - iii. where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
 - iv. where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs; and
 - v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

In determining compliance with the above limits, appropriate averaging periods may be applied provided that beneficial uses will be fully protected. Averaging periods may only be used with prior permission of the Central Valley Water Board Executive Officer.
6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity or other water quality objectives are exceeded.
7. In-water work shall occur during periods of no precipitation when the work area is naturally dry. The Applicant shall perform surface water sampling in accordance with Technical Certification Condition No. 4, if any of the following conditions occur: 1) in-water work is conducted during an unanticipated flow event; 2) Project activities result in any materials reaching surface waters; or 3) Project activities result in the creation of a visible plume in surface waters.
8. Activities shall not cause visible oil, grease, or foam in the receiving water.

9. Refueling of equipment within the floodplain or within 300 feet of the waterway is prohibited. If critical equipment must be refueled within 300 feet of the waterway, spill prevention and countermeasures must be implemented to avoid spills. Refueling areas shall be provided with secondary containment including drip pans and/or placement of absorbent material. No hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, or other construction-related potentially hazardous substances should be stored within a floodplain or within 300 feet of a waterway. The Applicant must perform frequent inspections of construction equipment prior to utilizing it near surface waters to ensure leaks from the equipment are not occurring and are not a threat to water quality.
10. The Applicant shall develop and maintain onsite a project-specific Spill Prevention, Containment and Cleanup Plan outlining the practices to prevent, minimize, and/or clean up potential spills during construction of the Project. The Plan must detail the Project elements, construction equipment types and location, access and staging and construction sequence.
11. Raw cement, concrete (or washing thereof), asphalt, drilling fluids, lubricants, paints, coating material, oil, petroleum products, or any other substances which could be hazardous to fish and wildlife resulting from or disturbed by project-related activities, shall be prevented from contaminating the soil and/or entering waters of the United States.
12. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete, asphalt, paint, coating material, drilling fluids, or other construction-related potentially hazardous substances to surface water and/or soil is prohibited. In the event of a prohibited discharge, the Applicant shall notify the Central Valley Water Board Contact within 24-hours of the discharge pursuant to section 13271 of the Water Code, which requires immediate notification of the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the state toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.16) of Chapter 7 of Division 1 of Title 2 of the Government Code. "Hazardous materials" is defined under Health and Safety Code section 25501.
13. A method of containment must be used below the bridge(s), boardwalk(s), to prevent debris from falling into the water body through the entire duration of the Project.
14. Silt fencing, straw wattles, or other effective management practices must be used along the construction zone to minimize soil or sediment along the embankments from migrating into the waters of the United States through the entire duration of the Project.
15. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project area.
16. All areas disturbed by Project activities shall be protected from washout and erosion.

17. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.
18. Hydroseeding shall be performed with California native seed mix.
19. All materials resulting from the Project shall be removed from the site and disposed of properly.
20. This Certification does not allow permanent water diversion of flow from the receiving water. This Certification is invalid if any water is permanently diverted as a part of the project.
21. If water is present, the area must be dewatered prior to the start of work.
22. When work in a flowing stream is unavoidable and any temporary dam or other artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream, to maintain beneficial uses of waters of the state below the dam. Construction, dewatering, and removal of temporary cofferdams shall not violate Technical Certification Condition 5 of this Certification.
23. If any temporary dam or other artificial obstruction is constructed, the temporary dam or other artificial obstruction shall only be built from clean materials such as sandbags, gravel bags, water dams, or clean/washed gravel which will cause little or no siltation. Stream flow shall be temporarily diverted using gravity flow through temporary culverts/pipes or pumped around the work site with the use of hoses.
24. The Applicant shall apply for a name change or amendment to this Certification should any of the following occur: a) a change in the ownership of all or any portion of the Project; b) any change in the Project description; c) any change involving discharge amounts, temporary impacts, or permanent impacts; or d) amendments, modifications, revisions, extensions, or changes to the United States Army Corps of Engineers' Nationwide Permit #14, the United States Fish and Wildlife Service decision document(s), or the California Department of Fish and Wildlife Streambed Alteration Agreement.
25. The Applicant shall submit a copy of the final, signed and dated Lake or Streambed Alteration Agreement to the Central Valley Water Board Contact within 14 days of issuance by the California Department of Fish and Wildlife. The Applicant shall comply with all California Department of Fish and Wildlife requirements, including those requirements described in the Lake or Streambed Alteration Agreement.
26. If the Project will involve land disturbance activities of one or more acres, or where the Project disturbs less than one acre but is part of a larger common plan of development that in total disturbs one or more acres, the Applicant shall obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land

Disturbance Activities Order No. 2009-0009-DWQ for discharges to surface waters comprised of storm water associated with construction activity.

27. If dewatering activities result in groundwater discharges into surface water, the Applicant shall work with the Central Valley Water Board to obtain coverage under an NPDES permit.
28. If dewatering activities result in discharges to land, the Applicant shall work with the Central Valley Water Board to obtain coverage under Waste Discharge Requirements (WDRs).
29. The Conditions in this Certification are based on the information in the attached "Project Information Sheet" and the application package. If the actual project, as described in the attached Project Information Sheet and application package, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.
30. The Applicant shall implement each of the mitigation measures specified in the approved Environmental Impact Report for the Project, as they pertain to biology, hydrology and water quality impacts as required by Section 21081.6 of the Public Resource Code and Section 15097 of the California Code of Regulations.
31. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law, including pursuant to Water Code sections 13368 and 13385. The applicability of any state law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to ensure compliance with this Certification.
 - (a) If the Applicant or a duly authorized representative of the Project fails or refuses to furnish technical or monitoring reports, as required under this Certification, or falsifies any information provided in the monitoring reports, the applicant is subject to civil liability, for each day of violation, and/or criminal liability pursuant to Water Code sections 13368 and/or 13385.
 - (b) In response to a suspected violation of any condition of this Certification, the Central Valley Water Board may require the Applicant to furnish, under penalty of perjury, any technical or monitoring reports the Central Valley Water Board deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
 - (c) The Applicant shall allow the staff of the Central Valley Water Board, or an authorized representative(s), upon the presentation of credentials and other documents, as may be required by law, to enter the Project premises for inspection, including taking photographs and securing copies of project-related

records, for the purpose of assuring compliance with this Certification and determining the ecological success of the Project.

32. To mitigate for the loss of 0.03 acre of streambed habitat, the Applicant shall purchase a minimum of 0.03 the aquatic resource mitigation credits from a United States Army Corps of Engineers approved mitigation bank or in lieu fee program or mitigate as otherwise required by the United States Army Corps of Engineers for the impacted watershed prior to commencing construction. The Applicant shall provide evidence of all off-site compensatory mitigation to the Central Valley Water Board. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts.

Compensatory mitigation must comply with the effective policy, which ensures no overall net loss of wetlands for impacts to waters of the state, at the time of Certification.

Evidence of compliance with compensatory mitigation requirements includes providing a letter from the approved compensatory mitigation bank or in-lieu fee recipient. The letter must: a) be on the compensatory mitigation bank's or in-lieu fee recipient's letterhead; b) be signed by an authorized representative of the compensatory mitigation bank or in-lieu fee recipient; c) indicate the United States Army Corps of Engineers' SPK number; d) describe the Project name and location; and e) detail the type of compensatory mitigation credits purchased or in-lieu fees paid for the Project's impacts.

NOTIFICATIONS AND REPORTS:

33. The Applicant shall provide a Notice of Completion (NOC) no later than 30 days after the Project completion. The NOC shall demonstrate that the Project has been carried out in accordance with the Project description in the Certification and in any approved amendments. The NOC shall include a map of the Project location(s), including final boundaries of any on-site restoration area(s), if appropriate, and representative pre- and post- construction photographs. Each photograph shall include a descriptive title, date taken, photographic site, and photographic orientation.
34. The Applicant shall submit all notifications, submissions, materials, data, correspondence, and reports in a searchable Portable Document Format (PDF). Documents less than 50 MB must be emailed to: centralvalleysacramento@waterboards.ca.gov. In the subject line of the email, include the Central Valley Water Board Contact, Project name, and WDID number as shown in the subject line above. Documents that are 50 MB or larger must be transferred to a disk and mailed to the Central Valley Water Board Contact.

CENTRAL VALLEY WATER BOARD CONTACT:

Greg Hendricks, Environmental Scientist
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670-8114
(916) 464-4709
Greg.Hendricks@waterboards.ca.gov

CALIFORNIA ENVIRONMENTAL QUALITY ACT:

El Dorado County is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Mosquito Road at South Fork American River Bridge Replacement Project pursuant to Section 21000 et seq. of the Public Resources Code. El Dorado County approved the Environmental Impact Report on 12 October 2019. The El Dorado County filed a Notice of Determination with the State Clearinghouse on 28 February 2020 (SCH No. 2015062076).

The Central Valley Water Board is a responsible agency for the project. The Central Valley Water Board has determined that the Environmental Impact Report and Addendum to the Environmental Impact Report are in accordance with the requirements of the California Environmental Quality Act.

The Central Valley Water Board has reviewed and evaluated the impacts to water quality identified in the Environmental Impact Report and Addendum to the Environmental Impact Report. The proposed mitigation measures discussed in Environmental Impact Report and Addendum to the Environmental Impact Report were adopted to avoid and minimize project impacts to State waters and are required by this Certification. The mitigation measures discussed in the Environmental Impact Report, and Addendum to the Environmental Impact Report to minimize project impacts to State waters are required by this Certification.

With regard to the remaining impacts identified in the Environmental Impact Report and Addendum to the Environmental Impact Report, the corresponding mitigation measures proposed are within the responsibility and jurisdiction of other public agencies.

WATER QUALITY CERTIFICATION:

I hereby issue an Order certifying that any discharge from the El Dorado County, Department of Transportation, Mosquito Road at South Fork American River Bridge Replacement Project (WDID#5A09CR00214) will comply with the applicable provisions of Section 301 ("Effluent Limitations"), Section 302 ("Water Quality Related Effluent Limitations"), Section 303 ("Water Quality Standards and Implementation Plans"), Section 306 ("National Standards of Performance"), and Section 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. Through this Order, this discharge is also regulated under State Water Resources Control Board Water Quality Order No. 2003-0017 DWQ "Statewide General Waste Discharge Requirements For Dredged Or Fill Discharges That Have Received State Water Quality Certification (General WDRs)."

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on: a) the discharge being limited and all proposed mitigation being completed in compliance with the conditions of this Certification, El Dorado County, Department of Transportation's application package, and the attached Project Information Sheet; and b) compliance with all applicable requirements of the *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fifth Edition, revised May 2018.

Any person aggrieved by this action may petition the State Water Resources Control Board to review the action in accordance with California Water Code Section 13320 and California Code of Regulations, Title 23, Section 2050 and following. The State Water Resources Control Board must receive the petition by 5:00 p.m., 30 days after the date of this action, except that if the thirtieth day following the date of this action falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Resources Control Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the State Water Resources Control Board's [Water Quality Petitions webpage](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) (http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

Bryan J. Smith, P.E.

Digitally signed by Bryan J. Smith, P.E.

Date: 2021.03.01 16:18:31 -08'00'

Water Boards

Patrick Pulupa
Executive Officer

Enclosure: Project Information Sheet
Compliance with Code of Federal Regulations, Title 40, Section 121.7,
Subdivision (D)

Attachments: Figure 1 – Site Location Map
Figure 2 – Project Location Map

cc: Distribution List, page 16

PROJECT INFORMATION SHEET

Application Date: 2 June 2020

Applicant: Jon Balzer
El Dorado County, Department of Transportation
2850 Fairlane Court
Placerville, CA 95667

Project Name: Mosquito Road at South Fork American River Bridge Replacement Project

Application Number: WDID#5A09CR00214

Date on Public Notice: 5 June 2020

Date Application Deemed Complete: 2 July 2020

Date All Information Received: 27 January 2021

Type of Project: Transportation

Approved Months of Project Implementation: The Project will be constructed 15 April through 15 October, or as otherwise required by the Department of Fish and Wildlife.

Project Location: Latitude: 38.7758° and Longitude: -120.7884°

County: El Dorado County

Receiving Water(s) (hydrologic unit): Unnamed tributary to South Fork American, Sacramento Hydrologic Basin, Lower Sacramento Hydrologic Unit #514.32, South Fork American HSA

Water Body Type: Streambed, Wetland

Designated Beneficial Uses: The *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fifth Edition, revised May 2018 (Basin Plan) has designated beneficial uses for surface and ground waters within the region. Beneficial uses that could be impacted by the project include, but are not limited to: Municipal and Domestic Water Supply (MUN); Agricultural Supply (AGR); Industrial Supply (IND); Hydropower Generation (POW); Groundwater Recharge (GWR); Water Contact Recreation (REC-1); Non-Contact Water Recreation (REC-2); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); Preservation of Biological Habitats of Special Significance (BIOL); Rare, Threatened, or Endangered Species (RARE); Migration of Aquatic Organisms (MIGR); Spawning, Reproduction, and/or Early Development (SPWN); and Wildlife Habitat (WILD). A comprehensive and specific list of the beneficial uses applicable for the project area can be found on the Central Valley

Water Board's [Basin Planning webpage](http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml)

(http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml).

303(d) List of Water Quality Limited Segments: An unnamed tributary to South Fork American is the receiving water for the Mosquito Road at South Fork American River Bridge Replacement Project. The unnamed tributary is not listed on the 303(d) list. The most recent list of approved water quality limited segments is found on the State Water Resources Control Board's [Impaired Water Bodies webpage](http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2012.shtml) (http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2012.shtml).

Project Description: The Mosquito Road at South Fork American River Bridge Replacement Project (Project) is located at Mosquito Road, approximately 5 miles north of Highway 50 in El Dorado County. The Project consists of replacing and realigning an existing bridge. To allow for worker and equipment access for road construction activities, a culvert will be placed in the ephemeral stream and a temporary road and staging area will impact the existing wetland feature.

No dewatering will occur within the Project area. No wet concrete will be placed into the streambed and wetland habitat. The Project will permanently impact 0.03 acre/395 linear feet and temporarily impact 0.016 acres of waters of the United States.

Preliminary Water Quality Concerns: Construction activities may impact surface waters with increased turbidity.

Proposed Mitigation to Address Concerns: The Applicant will implement Best Management Practices to control sedimentation and erosion. This Certification requires all work to be conducted during periods of no flow. In the event that project activities result in any materials reaching surface waters or unanticipated in-water work occurs, the Applicant will conduct turbidity testing. During this testing, the Applicant will stop work if Basin Plan criteria are exceeded or observations indicate an exceedance of a water quality objective.

All temporary affected areas will be restored to pre-construction contours and conditions upon completion of construction activities to provide 1:1 mitigation for temporary impacts.

Excavation/Fill Area: Approximately 25 cubic yards of clean soil and rock will be placed into 0.046 acre of waters of the United States.

California Integrated Water Quality System Impact Data: The Project will permanently impact 0.03 acre/395 linear feet of streambed habitat and temporarily impact 0.016 acre of wetland habitat from fill activities.

Table 2: Total Project Fill/Excavation Temporary Impact⁸ Quantity

Aquatic Resource Type	Acres	Cubic Yards	Linear Feet
Wetland	0.016		

Table 3: Total Project Fill/Excavation Permanent Physical Loss of Area Impact Quantity

Aquatic Resource Type	Acres	Cubic Yards	Linear Feet
Stream Channel	0.03	25	395

United States Army Corps of Engineers File Number: SPK-2019-00222

United States Army Corps of Engineers Permit Type: Nationwide Permit #14

California Department of Fish and Wildlife Lake or Streambed Alteration

Agreement: The Applicant applied for a Lake or Streambed Alteration Agreement in June 2020.

Possible Listed Species: Foothill yellow-legged frog, Blainville's horned lizard, Bald eagle, California Spotted Owl, Willow flycatcher, Pallid bat, Townsend's big-eared bat, Silver-haired bat, Western red bat, Hoary bat, Fringed Myotis, Long-legged Myotis, and Yuma Myotis.

Status of CEQA Compliance: The El Dorado County approved an Environmental Impact Report and subsequent Addendum to the Environmental Impact Report on 12 October 2019. The El Dorado County filed a Notice of Determination with the State Clearinghouse on 28 February 2020 (SCH No. 2015062076).

The Central Valley Water Board will file a Notice of Determination with the State Clearinghouse as a responsible agency within five (5) days of the date of this Certification.

Compensatory Mitigation: To mitigate for the loss of 0.03 acre of streambed habitat, the Applicant shall purchase a minimum of 0.03 the aquatic resource mitigation credits from a United States Army Corps of Engineers approved mitigation bank or in lieu fee program or mitigate as otherwise required by the United States Army Corps of Engineers for the impacted watershed prior to commencing construction.

⁸ Includes only temporary direct impacts to waters of the state and does not include area of temporary disturbance which could result in a discharge to waters of the state. Temporary impacts, by definition, are restored to pre-project conditions and therefore do not include a physical loss of area or degradation of ecological condition.

Prior to commencing construction, the Applicant shall provide evidence of all off-site compensatory mitigation to the Central Valley Water Board. Evidence of on-site compensatory mitigation shall be provided with the Notice of Completion. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts.

Table 3: Compensatory Mitigation for Permanent Physical Loss of Area by Method [Establishment (Est.), Re-establishment (Re-est.), Rehabilitation (Reh.), Enhancement (Enh.), Preservation (Pres.), Unknown]

Aquatic Resource Type	Mitigation Type	Units	Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Unknown	MB	Acres						0.016

Application Fee Provided: \$1,949.00 was received on 2 June 2020.

The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3) and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

DISTRIBUTION LIST

United States Army Corps of Engineers (SPK-2019-00222)
Sacramento District Headquarters
Regulatory Division
SPKRegulatoryMailbox@usace.army.mil

Department of Fish and Wildlife, Region 2
R2LSA@wildlife.ca.gov

Stephanie Tadlock
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CWA Section 401 WQC Program
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Stateboard401@waterboards.ca.gov

Sam Ziegler
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Jon Balzer
El Dorado County Department of Transportation
jon.balzer@edcgov.us

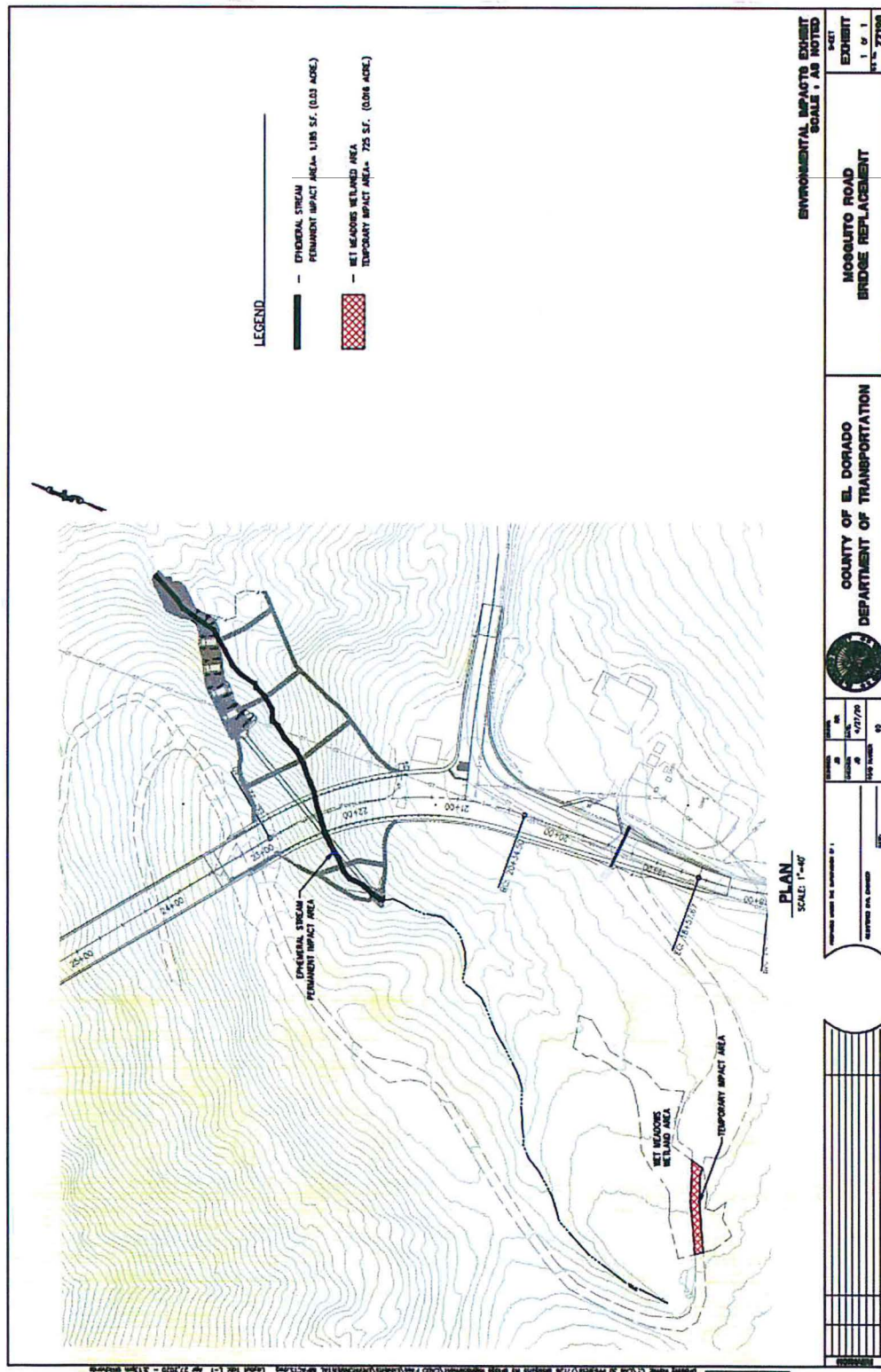


Figure 1 –Site Location Map



Figure 2 – Project Location Map

**COMPLIANCE WITH CODE OF FEDERAL REGULATIONS, TITLE 40, SECTION
121.7, SUBDIVISION (D)**

The purpose of this Attachment is to comply with Code of Federal Regulations, title 40, section 121.7, subdivision (d), which requires all certification conditions to provide an explanation of why the condition is necessary to assure that any discharge authorized under the certification will comply with water quality requirements, and a citation to federal, state, or tribal law that authorizes the condition.

I. General Justification for Certification Conditions

Pursuant to Clean Water Act section 401 and California Code of Regulations, title 23, section 3859, subdivision (a) the Central Valley Water Board, when issuing water quality certifications, may set forth conditions to ensure compliance with applicable water quality standards and other appropriate requirements of state law. Under Water Code section 13160, the State Water Resources Control Board is authorized to issue water quality certifications under the Clean Water Act and has delegated this authority to the executive officers of the regional water quality controls boards for projects within the executive officer's region of jurisdiction. (Cal. Code Regs., tit. 23, § 3838.)

The conditions within the Order are generally required pursuant to the Central Valley Water Board's Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Fifth Edition, May 2018 (Basin Plan), which was adopted and is periodically revised pursuant to Water Code section 13240. The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies. For instance, the Basin Plan includes water quality objectives for oil and grease, pH, sediment, and turbidity, which ensure protection of beneficial uses.

The State Water Board's Antidegradation Policy, "Statement of Policy with Respect to Maintaining High Quality Waters in California," Resolution No. 68-16, requires that the quality of existing high-quality water be maintained unless any change will be consistent with the maximum benefit to the people of the state, will not unreasonably affect present or anticipated future beneficial uses of such water, and will not result in water quality less than that prescribed in water quality control plans or policies. The Antidegradation Policy further requires best practicable treatment or control of the discharge necessary to assure that pollution or nuisance will not occur and the highest water quality consistent with maximum benefit to the people of the state will be maintained. The Basin Plan incorporates this Policy. The Basin Plan incorporates this Policy. The state Antidegradation Policy incorporates the federal Antidegradation Policy (40 C.F.R. § 131.12 (a)(1)), which requires "[e]xisting instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected."

The State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (Dredge or Fill Procedures), adopted pursuant to Water Code sections 13140 and 13170, authorize approval of dredge or fill projects only if the demonstrations set forth in Section IV.B.1 of the Dredge or Fill Procedures have been satisfied.

California Code of Regulations, title 23, sections 3830 et seq. set forth state regulations pertaining to water quality certifications. In particular, section 3856 sets forth information that must be included in water quality certification requests, and section 3860 sets forth standard conditions that shall be included in all water quality certification actions.

Finally, Water Code sections 13267 and 13383 authorize the regional and state boards to establish monitoring and reporting requirements for persons discharging or proposing to discharge waste.

II. Specific Justification for Standard Certification Conditions

1. This is a standard condition that “shall be included as conditions of all water quality certification actions” pursuant to California Code of Regulations, title 23, section 3860(a). This condition places the permittee on notice that the certification action may be modified or revoked following administrative or judicial review.

2. This is a standard condition that “shall be included as conditions of all water quality certification actions” pursuant to California Code of Regulations, title 23, section 3860(b). This condition clarifies the scope of the certification’s application.

3. This is a standard condition that “shall be included as conditions of all water quality certification actions” pursuant to California Code of Regulations, title 23, section 3860(c). This fee requirement condition is also required pursuant to California Code of Regulations, section 3833(b).

4 & 5. These conditions are required pursuant to Water Code section 13267, which requires any person discharging waste that could affect the quality of waters to provide to the Central Valley Water Board, under penalty of perjury, any technical or monitoring program reports as required by the Central Valley Water Board. The signatory requirements are also consistent with 40 C.F.R. section 122.22.

III. Specific Justification for Technical Certification Conditions

1. This condition is required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable Basin Plan requirements. This reporting requirement is consistent with the Central Valley Water Board’s authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

2. This condition is required pursuant to Water Code section 13264, which prohibits any discharge that is not specifically authorized in this Order. This condition ensures material will not impair surface waters, adversely affect beneficial uses, or result in exceedances of water quality objectives in the Basin Plan, including for sediment. (Basin Plan, Section 3.1.15.) Among other requirements, Section IV.B.1 of the Dredge or Fill Procedures requires that Project impacts will not cause or contribute to a degradation of waters or violate water quality standards.

3. This condition ensures any agent of the Permittee is aware of Order requirements. Such conditions within the Order are necessary to ensure that all activities will comply with applicable water quality standards and other appropriate requirements (33 U.S.C. § 1341; Cal. Code Regs., tit. 23, section 3859, subd. (a)) and cannot be adhered to if the Permittee's agents are unaware of applicable requirements. These conditions are necessary to ensure compliance with applicable water quality objectives and protection of beneficial uses found in the Basin Plan, adopted pursuant to Water Code section 13240, and detailed in the Order.

4. Monitoring and reporting requirements identified in Table 1 are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

5. This condition related to compliance with water quality objectives, including for Oil and Grease (Basin Plan Section 3.1.10), Turbidity (Basin Plan Section 3.1.21), pH (Basin Plan Section 3.1.11), and designated beneficial uses is required pursuant to the Central Valley Water Board's Basin Plan. The Basin Plan's water quality standards consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies. The Antidegradation Policy requires that the quality of existing high-quality water be maintained unless any change will be consistent with the maximum benefit to the people of the state, will not unreasonably affect present or anticipated future beneficial uses of such water, and will not result in water quality less than that prescribed in water quality control plans or policies. The Antidegradation Policy further requires best practicable treatment or control of the discharge necessary to assure that pollution or nuisance will not occur and the highest water quality consistent with maximum benefit to the people of the state will be maintained.

6. This condition is required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable water quality objectives under the Basin Plan. This reporting requirement is consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

7. This condition is required to assure that the discharge from the Project will comply with water quality objectives established for surface waters, including for Oil and

Grease, Turbidity, and pH, and ensure protection of beneficial uses. (Basin Plan, Sections 3.1.10, 3.1.11, 3.1.21; Dredge or Fill Procedures, Section IV.B.1.)

8. Monitoring and reporting requirements identified in Table 1 are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

9. This condition is required to assure that the Project will comply with water quality objectives established for surface waters, including for Oil and Grease, and ensure protection of beneficial uses. (Basin Plan, Section 3.1.10; Dredge or Fill Procedures, Section IV.B.1.)

10 & 11. These conditions require measures to prevent, minimize, and/or clean up potential construction spills, including from construction equipment. For instance, fuels and lubricants associated with the use of mechanized equipment have the potential to result in toxic discharges to waters of the state in violation of the Basin Plan. (Basin Plan, Section 3.1.20; Dredge or Fill Procedures, Section IV.B.1.)

12-15. These conditions are required to assure that discharges comply with applicable water quality objectives under the Basin Plan, adopted under section 13240 of the Water Code, including for pH, oil and grease, and toxic substances. (Basin Plan, Sections 3.1.10, 3.1.11, 3.1.20; Dredge or Fill Procedures, Section IV.B.1.) Additionally, the notification and reporting requirements in the event of an accidental discharge of hazardous materials are required pursuant to section 13271 of the Water Code, which requires immediate notification of the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the state toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.16) of Chapter 7 of Division 1 of Title 2 of the Government Code. "Hazardous materials" is defined under Health and Safety Code section 25501. These reports related to accidental discharges ensure that corrective actions, if any, that are necessary to minimize the impact or clean up such discharges can be taken as soon as possible.

16 & 17. These conditions assure that the Project will comply with water quality objectives established for surface waters, including for sediment, suspended material, and settleable material, and ensure protection of beneficial uses. (Basin Plan, Sections 3.1.15, 3.1.16, 3.1.17; Dredge or Fill Procedures, Section IV.B.1.)

18. This condition is required to assure protection of beneficial uses within the Basin Plan. (Basin Plan, Section 2.1; Dredge or Fill Procedures, Section IV.B.1.)

19. This condition is required to assure that the Project will comply with water quality objectives established for surface waters, including for sediment, and ensure protection of beneficial uses. (Basin Plan, Section 3.1.15; Dredge or Fill Procedures, Section IV.B.1.)

20-22. These conditions require restoration to pre-project conditions consistent with the Dredge or Fill Procedures' temporary impacts provisions and to prevent continuing discharges to surface waters not in compliance with the Basin Plan. (See Basin Plan, Sections 3.1.15, 3.1.21; Dredge or Fill Procedures section IV.A.2(d) & B.4.)

23-28. These conditions related to dewatering and water diversion are required to assure protection of beneficial uses and compliance with applicable water quality objectives within the Basin Plan. (Basin Plan, Section 2.1; Dredge or Fill Procedures, Section IV.B.1.) Work in waters of the state and temporary diversions must not cause exceedances of water quality objectives; accordingly, these conditions require implementation of best practicable treatments and controls to prevent pollution and nuisance, and to maintain water quality consistent with the Basin Plan, Antidegradation Policy, and Dredge or Fill Procedures. Conditions related to monitoring and reporting are required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable Basin Plan requirements. These monitoring and reporting requirements are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

29. Authorization under this Order is granted based on the application information submitted, including identification of the legally responsible party. This condition is necessary to confirm whether the new discharger wishes to assume legal responsibility for compliance with this Order. If not, the original discharger remains responsible for compliance with this Order. Pursuant to Water Code section 13260, subdivision (c), each person discharging waste, or proposing to discharge waste shall file a report of waste discharge relative to any material change or proposed change in the character, location, or volume of the discharge. Pursuant to Water Code section 13264, subdivision (a), the Permittee is prohibited from initiating the discharge of new wastes, or making material changes to the character, volume, and timing of waste discharges authorized herein without filing a report required by Water Code section 13260 or its equivalent for certification actions under California Code of Regulations, title 23, section 3856.

30. This condition is required pursuant to California Code of Regulations, title 23, section 3856, subdivision (e), which requires that copies be provided to the Central Valley Water Board of "any final and signed federal, state, and local licenses, permits, and agreements (or copies of the draft documents, if not finalized) that will be required for any construction, operation, maintenance, or other actions associated with the activity. If no final or draft document is available, a list of all remaining agency regulatory approvals being sought shall be included."

31. Authorization under the Order is granted based on the application submitted. The Permittee is required to detail the scope of project impacts in a complete application pursuant to California Code of Regulations, title 23, section 3856, subdivision (h). Pursuant to Water Code section 13260, subdivision (c), each person

discharging waste, or proposing to discharge waste shall file a report of waste discharge relative to any material change or proposed change in the character, location, or volume of the discharge. Pursuant to Water Code section 13264, subdivision (a), the Permittee is prohibited from initiating the discharge of new wastes, or making material changes to the character, volume, and timing of waste discharges authorized herein without filing a report required by Water Code section 13260 or its equivalent for certification actions under California Code of Regulations, title 23, section 3856.

32. This condition is required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable water quality objectives under the Basin Plan. These monitoring and reporting requirements are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383. Additionally, this condition places the Permittee on notice of any violations of Order requirements pursuant to Water Code sections 13268 and/or 13385. Finally, the condition related to site access requirements is authorized pursuant to the Central Valley Water Board's authority to investigate the quality of any waters of the state within its region under Water Code sections 13267, subdivision (c), and 13383.

33 & 34. These reporting and notification conditions are required to provide the Central Valley Water Board necessary project information and oversight to ensure project discharges are complying with applicable Basin Plan requirements. These monitoring and reporting requirements are consistent with the Central Valley Water Board's authority to investigate the quality of any waters of the state and require necessary monitoring and reporting pursuant to Water Code sections 13267 and 13383.

September 24, 2020

Regulatory Division (SPK-2019-00222)

El Dorado County Department of Transportation
Attn: Mr. Jon Balzer
2850 Fairlane Court
Placerville, California 95667-4103
Jon.Balzer@edcgov.us

Dear Mr. Balzer:

We are responding to your June 8, 2020, pre-construction notification for a Department of the Army (DA) permit for the Mosquito Bridge Replacement project. The approximately 0.02-acre project site is located 2.75 miles to the northeast of the town of Smithflat, at coordinates (NAD83) Latitude 38.7758°, Longitude -120.7486°, El Dorado County, California.

Based on the information you provided to this office, the Mosquito Bridge Replacement project involves the discharge of fill material into approximately 0.02 acre of waters of the U.S., for staging and access activities related to a bridge replacement project, subject to Section 404 of the Clean Water Act. The specific activities that require DA authorization are the temporary fill and disturbance of a wetland meadow. These activities will result in temporary effects to approximately 0.02 acre of wetland meadow. The proposed activities would be conducted in accordance with the *Mosquito Road Bridge Replacement Environmental Impacts Exhibit* dated April 27, 2020.

We have determined that activities in waters of the U.S. associated with the project are authorized by Nationwide Permit Number (NWP) 14 – *Linear Transportation Projects*. However, this authorization is denied without prejudice until water quality certification under Section 401 of the Clean Water Act has been issued or waived for the activities requiring a permit from this office. Once you receive water quality certification or waiver thereof, the activities are authorized and the work may proceed subject to the conditions of water quality certification, and the terms and conditions of the NWP.

You must comply with all terms and conditions of the NWP and applicable regional conditions. Enclosed is information about the NWP terms and conditions and Sacramento District regional conditions for California, excluding the Lake Tahoe Basin (Enclosure 1). You should pay particular attention to General Conditions 11, 12, and 13, and Regional Conditions C(3) and C(5). In addition, your work must comply with the following special condition:

1. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you shall immediately notify this office of what you have found. This office will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

Within 30 days after completion of the authorized work, you must sign the enclosed *Compliance Certification* and return it to this office with the information required by Sacramento District Regional Condition C(9) for California.

This verification is valid until March 18, 2022, when the existing NWP's are scheduled to be modified, reissued, or revoked. Furthermore, if you commence or are under contract to commence this activity before the date the NWP is modified, reissued, or revoked, you will have 12 months from the date of the modification, reissuance or revocation to complete the activity under the present terms and conditions. Failure to comply with the general and regional conditions of this NWP, or the project-specific special conditions of this authorization, may result in the suspension or revocation of your authorization.

We would appreciate your feedback on this permit action including your interaction with our staff and processes. For more information about our program or to complete our Regulatory Program national customer service survey, visit our website at www.spk.usace.army.mil/Missions/Regulatory.aspx.

Please refer to identification number SPK-2019-00222 in any correspondence concerning this project. If you have any questions, please contact Mr. Nathaniel Duyck at U.S. Army Corps of Engineers, Regulatory Division, 1325 J Street, Room 1350, Sacramento, California 95814, by email at Nathaniel.F.Duyck@usace.army.mil, or telephone at (916) 557-6883.

Sincerely,



Chandra Jenkins
Chief, California South Section
Regulatory Division

Enclosures

COMPLIANCE CERTIFICATION

Permit File Name: Mosquito Bridge Replacement

Action ID: SPK-2019-00222

Nationwide Permit Number: 14 – *Linear Transportation Projects*

Permittee: El Dorado County Department of Transportation
Attn: Mr. Jon Balzer
2850 Fairlane Court
Placerville, California 95667-4103

County: El Dorado County

Date of Verification: September 24, 2020

Within 30 days after completion of the activity authorized by this permit, sign this certification and return it to the following address:

U.S. Army Corps of Engineers
Sacramento District
Attn: Mr. Nathaniel Duyck
DLL-CESPK-RD-Compliance@usace.army.mil

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with the terms and conditions of the permit your authorization may be suspended, modified, or revoked. If you have any questions about this certification, please contact the U.S. Army Corps of Engineers.

* * * * *

I hereby certify that the work authorized by the above-referenced permit, including all the required mitigation, was completed in accordance with the terms and conditions of the permit verification.

Permittee Signature

Date



U S Army Corps of
Engineers
Sacramento District

Nationwide Permit Summary

33 CFR Part 330; Issuance of Nationwide
Permits – March 19, 2017

14. Linear Transportation Projects. Activities required for crossings of waters of the United States associated with the construction, expansion, modification, or improvement of linear transportation projects (e.g., roads, highways, railways, trails, airport runways, and taxiways) in waters of the United States. For linear transportation projects in non-tidal waters, the discharge cannot cause the loss of greater than 1/2-acre of waters of the United States. For linear transportation projects in tidal waters, the discharge cannot cause the loss of greater than 1/3-acre of waters of the United States. Any stream channel modification, including bank stabilization, is limited to the minimum necessary to construct or protect the linear transportation project; such modifications must be in the immediate vicinity of the project.

This NWP also authorizes temporary structures, fills, and work, including the use of temporary mats, necessary to construct the linear transportation project. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary structures, work, and discharges, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites. Temporary fills must consist of materials, and be placed in a manner, that will not be eroded by expected high flows. Temporary fills must be removed in their entirety and the affected areas returned to preconstruction elevations. The areas affected by temporary fills must be revegetated, as appropriate.

This NWP cannot be used to authorize non-linear features commonly associated with transportation projects, such as vehicle maintenance or storage buildings, parking lots, train stations, or aircraft hangars.

Notification: The permittee must submit a pre-construction notification to the district engineer prior to commencing the activity if: (1) The loss of waters of the United States exceeds 1/10-acre; or (2) there is a discharge in a special aquatic site, including wetlands. (See general condition 32.) (Authorities: Sections 10 and 404)

Note 1: For linear transportation projects crossing a single waterbody more than one time at separate and distant locations, or multiple waterbodies at separate and distant locations, each crossing is considered a single and complete project for purposes of NWP authorization. Linear transportation projects must comply with 33 CFR 330.6(d).

Note 2: Some discharges for the construction of farm roads or forest roads, or temporary roads for moving mining equipment, may qualify for an exemption under section 404(f) of the Clean Water Act (see 33 CFR 323.4).

Note 3: For NWP 14 activities that require pre-construction notification, the PCN must include any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings that require Department of the Army authorization but do not require preconstruction notification (see paragraph (b) of general condition 32). The district engineer will evaluate the PCN in accordance with Section D, "District Engineer's Decision." The district engineer may require mitigation to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see general condition 23).

A. Regional Conditions

1. Regional Conditions for California, excluding the Tahoe Basin

http://www.spk.usace.army.mil/Portals/12/documents/regulatory/nwp/2017_nwps/Final_SPK_Regional_Conditions_for_California.pdf?ver=2017-03-23-120307-207

2. Regional Conditions for Nevada, including the Tahoe Basin

http://www.spk.usace.army.mil/Portals/12/documents/regulatory/nwp/2017_nwps/Final_SPK_Regional_Conditions_for_Nevada.pdf?ver=2017-03-23-120306-910

3. Regional Conditions for Utah

http://www.spk.usace.army.mil/Portals/12/documents/regulatory/nwp/2017_nwps/Final_SPK_Regional_Conditions_for_Utah.pdf?ver=2017-03-23-120303-503

4. Regional Conditions for Colorado.

http://www.spk.usace.army.mil/Portals/12/documents/regulatory/nwp/2017_nwps/Final_2017_Regional_Conditions_in_Colorado.pdf?ver=2017-03-23-133821-047

B. Nationwide Permit General Conditions

Note: To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer.

Prospective permittees should contact the appropriate Corps district office to determine if regional conditions have been imposed on an NWP. Prospective permittees should also contact the appropriate Corps district office to determine the status of Clean Water Act Section 401 water quality certification and/ or Coastal Zone Management Act consistency for an NWP. Every person who may wish to obtain permit authorization under one

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or more NWP, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

☐ 1. **Navigation.**

- ☐ (a) No activity may cause more than a minimal adverse effect on navigation.
- ☐ (b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.
- ☐ (c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

☐ 2. **Aquatic Life Movements.** No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing should be designed and constructed to minimize adverse effects to aquatic life movements.

☐ 3. **Spawning Areas.** Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

☐ 4. **Migratory Bird Breeding Areas.** Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

☐ 5. **Shellfish Beds.** No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWPs 4 and 48, or is a shellfish seeding or habitat restoration activity authorized by NWP 27.

☐ 6. **Suitable Material.** No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see section 307 of the Clean Water Act).

☐ 7. **Water Supply Intakes.** No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

☐ 8. **Adverse Effects From Impoundments.** If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.

☐ 9. **Management of Water Flows.** To the maximum extent practicable, the preconstruction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the preconstruction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

☐ 10. **Fills Within 100-Year Floodplains.** The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

☐ 11. **Equipment.** Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

☐ 12. **Soil Erosion and Sediment Controls.** Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides.

☐ 13. **Removal of Temporary Fills.** Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

☐ 14. **Proper Maintenance.** Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

☐ 15. **Single and Complete Project.** The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

☐ 16. **Wild and Scenic Rivers.**

- ☐ (a) No NWP activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status.

☐ (b) If a proposed NWP activity will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, the permittee must submit a pre-construction notification (see general condition 32). The district engineer will coordinate the PCN with the Federal agency with direct management responsibility for that river. The permittee shall not begin the NWP activity until notified by the district engineer that the Federal agency with direct management responsibility for that river has determined in writing that the proposed NWP activity will not adversely affect the Wild and Scenic River designation or study status.

☐ (c) Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Information on these rivers is also available at: <http://www.rivers.gov/>.

☐ 17. **Tribal Rights.** No NWP activity may cause more than minimal adverse effects on tribal rights (including treaty rights), protected tribal resources, or tribal lands.

☐ 18. **Endangered Species.**

☐ (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify the critical habitat of such species. No activity is authorized under any NWP which “may affect” a listed species or critical habitat, unless ESA section 7 consultation addressing the effects of the proposed activity has been completed. Direct effects are the immediate effects on listed species and critical habitat caused by the NWP activity. Indirect effects are those effects on listed species and critical habitat that are caused by the NWP activity and are later in time, but still are reasonably certain to occur.

☐ (b) Federal agencies should follow their own procedures for complying with the requirements of the ESA. If preconstruction notification is required for the proposed activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the activity and the respective federal agency would be responsible for fulfilling its obligation under section 7 of the ESA.

☐ (c) Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat, and shall not begin work on the activity until notified by the district

engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species or designated critical habitat, the pre-construction notification must include the name(s) of the endangered or threatened species that might be affected by the proposed activity or that utilize the designated critical habitat that might be affected by the proposed activity. The district engineer will determine whether the proposed activity “may affect” or will have “no effect” to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps’ determination within 45 days of receipt of a complete pre-construction notification. In cases where the non-Federal applicant has identified listed species or critical habitat that might be affected or is in the vicinity of the activity, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification that the proposed activity will have “no effect” on listed species or critical habitat, or until ESA section 7 consultation has been completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

☐ (d) As a result of formal or informal consultation with the FWS or NMFS the district engineer may add species specific permit conditions to the NWPs.

☐ (e) Authorization of an activity by an NWP does not authorize the “take” of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with “incidental take” provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where “take” means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word “harm” in the definition of “take” means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

☐ (f) If the non-federal permittee has a valid ESA section 10(a)(1)(B) incidental take permit with an approved Habitat Conservation Plan for a project or a group of projects that includes the proposed NWP activity, the non-federal applicant should provide a copy of that ESA section 10(a)(1)(B) permit with the PCN required by paragraph (c) of this general condition. The district engineer will coordinate with the agency that issued the ESA section 10(a)(1)(B) permit to determine whether the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation conducted for the ESA section 10(a)(1)(B) permit. If that coordination results in concurrence from the agency that the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation for the ESA section 10(a)(1)(B) permit, the district engineer

does not need to conduct a separate ESA section 7 consultation for the proposed NWP activity. The district engineer will notify the non-federal applicant within 45 days of receipt of a complete pre-construction notification whether the ESA section 10(a)(1)(B) permit covers the proposed NWP activity or whether additional ESA section 7 consultation is required.

☐ (g) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the FWS and NMFS or their world wide Web pages at <http://www.fws.gov/> or <http://www.fws.gov/ipac> and <http://www.nmfs.noaa.gov/pr/species/esa/> respectively.

☐ 19. **Migratory Birds and Bald and Golden Eagles.** The permittee is responsible for ensuring their action complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting appropriate local office of the U.S. Fish and Wildlife Service to determine applicable measures to reduce impacts to migratory birds or eagles, including whether “incidental take” permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

☐ 20. **Historic Properties.**

☐ (a) In cases where the district engineer determines that the activity may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places, the activity is not authorized, until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied.

☐ (b) Federal permittees should follow their own procedures for complying with the requirements of section 106 of the National Historic Preservation Act. If pre-construction notification is required for the proposed NWP activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation is not submitted, then additional consultation under section 106 may be necessary. The respective federal agency is responsible for fulfilling its obligation to comply with section 106.

☐ (c) Non-federal permittees must submit a pre-construction notification to the district engineer if the NWP activity might have the potential to cause effects to any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the preconstruction notification must state which historic properties might have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of, or potential for, the presence of historic properties can be sought from the State Historic Preservation Officer, Tribal Historic Preservation Officer, or designated tribal representative, as appropriate, and the National Register

of Historic Places (see 33 CFR 330.4(g)). When reviewing pre-construction notifications, district engineers will comply with the current procedures for addressing the requirements of section 106 of the National Historic Preservation Act. The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts, which may include background research, consultation, oral history interviews, sample field investigation, and field survey. Based on the information submitted in the PCN and these identification efforts, the district engineer shall determine whether the proposed NWP activity has the potential to cause effects on the historic properties. Section 106 consultation is not required when the district engineer determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR 800.3(a)). Section 106 consultation is required when the district engineer determines that the activity has the potential to cause effects on historic properties. The district engineer will conduct consultation with consulting parties identified under 36 CFR 800.2(c) when he or she makes any of the following effect determinations for the purposes of section 106 of the NHPA: no historic properties affected, no adverse effect, or adverse effect. Where the non-Federal applicant has identified historic properties on which the activity might have the potential to cause effects and so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects to historic properties or that NHPA section 106 consultation has been completed.

☐ (d) For non-federal permittees, the district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA section 106 consultation is required. If NHPA section 106 consultation is required, the district engineer will notify the non-Federal applicant that he or she cannot begin the activity until section 106 consultation is completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

☐ (e) Prospective permittees should be aware that section 110k of the NHPA (54 U.S.C. 306113) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/ THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of

interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

☐ **21. Discovery of Previously Unknown Remains and Artifacts.** If you discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by this permit, you must immediately notify the district engineer of what you have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

☐ **22. Designated Critical Resource Waters.** Designated Critical Resource Waters. Critical resource waters include, NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may designate, after notice and opportunity for public comment, additional waters officially designated by a state as having particular environmental or ecological significance, such as outstanding national resource waters or state natural heritage sites. The district engineer may also designate additional critical resource waters after notice and opportunity for public comment.

☐ (a) Discharges of dredged or fill material into waters of the United States are not authorized by NWP 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, and 52 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters.

☐ (b) For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, 38, and 54, notification is required in accordance with general condition 32, for any activity proposed in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWPs only after it is determined that the impacts to the critical resource waters will be no more than minimal.

☐ **23. Mitigation.** The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal:

☐ (a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site).

☐ (b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal.

☐ (c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10-acre and require preconstruction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental

effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. For wetland losses of 1/10-acre or less that require preconstruction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects.

☐ (d) For losses of streams or other open waters that require pre-construction notification, the district engineer may require compensatory mitigation to ensure that the activity results in no more than minimal adverse environmental effects. Compensatory mitigation for losses of streams should be provided, if practicable, through stream rehabilitation, enhancement, or preservation, since streams are difficult-to- replace resources (see 33 CFR 332.3(e)(3)).

☐ (e) Compensatory mitigation plans for NWP activities in or near streams or other open waters will normally include a requirement for the restoration or enhancement, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, the restoration or maintenance/protection of riparian areas may be the only compensatory mitigation required. Restored riparian areas should consist of native species. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. If it is not possible to restore or maintain/protect a riparian area on both sides of a stream, or if the waterbody is a lake or coastal waters, then restoring or maintaining/protecting a riparian area along a single bank or shoreline may be sufficient. Where both wetlands and open waters exist on the project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of minimization or compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses.

☐ (f) Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR part 332.

☐ (1) The prospective permittee is responsible for proposing an appropriate compensatory mitigation option if compensatory mitigation is necessary to ensure that the activity results in no more than minimal adverse environmental effects. For the NWPs, the preferred mechanism for providing compensatory mitigation is mitigation bank credits or in-lieu fee program credits (see 33 CFR 332.3(b)(2) and (3)). However, if an appropriate number and type of mitigation bank or in-lieu credits are not available at the time the PCN is submitted to the district engineer, the district engineer may approve the use of permittee-responsible mitigation.

- ☐ (2) The amount of compensatory mitigation required by the district engineer must be sufficient to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see 33 CFR 330.1(e)(3)). (See also 33 CFR 332.3(f)).
- ☐ (3) Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, aquatic resource restoration should be the first compensatory mitigation option considered for permittee-responsible mitigation.
- ☐ (4) If permittee-responsible mitigation is the proposed option, the prospective permittee is responsible for submitting a mitigation plan. A conceptual or detailed mitigation plan may be used by the district engineer to make the decision on the NWP verification request, but a final mitigation plan that addresses the applicable requirements of 33 CFR 332.4(c)(2) through (14) must be approved by the district engineer before the permittee begins work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation (see 33 CFR 332.3(k)(3)).
- ☐ (5) If mitigation bank or in-lieu fee program credits are the proposed option, the mitigation plan only needs to address the baseline conditions at the impact site and the number of credits to be provided.
- ☐ (6) Compensatory mitigation requirements (e.g., resource type and amount to be provided as compensatory mitigation, site protection, ecological performance standards, monitoring requirements) may be addressed through conditions added to the NWP authorization, instead of components of a compensatory mitigation plan (see 33 CFR 332.4(c)(1)(ii)).
- ☐ (g) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWPs. For example, if an NWP has an acreage limit of 1/2-acre, it cannot be used to authorize any NWP activity resulting in the loss of greater than 1/2-acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that an NWP activity already meeting the established acreage limits also satisfies the no more than minimal impact requirement for the NWPs.
- ☐ (h) Permittees may propose the use of mitigation banks, in-lieu fee programs, or permittee-responsible mitigation. When developing a compensatory mitigation proposal, the permittee must consider appropriate and practicable options consistent with the framework at 33 CFR 332.3(b). For activities resulting in the loss of marine or estuarine resources, permittee-responsible mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term management.
- ☐ (i) Where certain functions and services of waters of the United States are permanently adversely affected by a regulated activity, such as discharges of dredged or fill material into waters of the United States that will convert a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse environmental effects of the activity to the no more than minimal level.
- ☐ **24. Safety of Impoundment Structures.** To ensure that all impoundment structures are safely designed, the district engineer may require non-Federal applicants to demonstrate that the structures comply with established state dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.
- ☐ **25. Water Quality.** Where States and authorized Tribes, or EPA where applicable, have not previously certified compliance of an NWP with CWA section 401, individual 401 Water Quality Certification must be obtained or waived (see 33 CFR 330.4(c)). The district engineer or State or Tribe may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.
- ☐ **26. Coastal Zone Management.** In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). The district engineer or a State may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.
- ☐ **27. Regional and Case-By-Case Conditions.** The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.
- ☐ **28. Use of Multiple Nationwide Permits.** The use of more than one NWP for a single and complete project is prohibited, except when the acreage loss of waters of the United States authorized by the NWPs does not exceed the acreage limit of the NWP with the highest specified acreage limit. For example, if a road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.
- ☐ **29. Transfer of Nationwide Permit Verifications.** If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit

verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(Transferee)

(Date)

☐ **30. Compliance Certification.** Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include:

- ☐ (a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions;
- ☐ (b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and
- ☐ (c) The signature of the permittee certifying the completion of the activity and mitigation. The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.

☐ **31. Activities Affecting Structures or Works Built by the United States.** If an NWP activity also requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers (USACE) federally authorized Civil Works project (a "USACE project"), the prospective permittee must submit a preconstruction notification. See paragraph (b)(10) of general condition 32. An activity that requires section 408 permission is not authorized by NWP until the appropriate Corps office issues the section 408 permission to alter, occupy, or use the USACE project, and the district engineer issues a written NWP verification.

☐ **32. Pre-Construction Notification.**

☐ (a) **Timing.** Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be incomplete, notify the prospective permittee within that 30 day period to request the additional information necessary to make the PCN complete. The request must specify the information needed to make the PCN complete. As a general rule, district engineers will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity until either:

- ☐ (1) He or she is notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or
- ☐ (2) 45 calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 18 that listed species or critical habitat might be affected or are in the vicinity of the activity, or to notify the Corps pursuant to general condition 20 that the activity might have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that there is "no effect" on listed species or "no potential to cause effects" on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)) has been completed. Also, work cannot begin under NWPs 21, 49, or 50 until the permittee has received written approval from the Corps. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee may not begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee's right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

☐ (b) Contents of Pre-Construction Notification: The PCN must be in writing and include the following information:

- ☐ (1) Name, address and telephone numbers of the prospective permittee;
- ☐ (2) Location of the proposed activity;
- ☐ (3) Identify the specific NWP or NWP(s) the prospective permittee wants to use to authorize the proposed activity;
- ☐ (4) A description of the proposed activity; the activity's purpose; direct and indirect adverse environmental effects the activity would cause, including the anticipated amount of loss of wetlands, other special aquatic sites, and other waters expected to result from the NWP activity, in acres, linear feet, or other appropriate unit of measure; a description of any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed activity; and any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings for linear projects that require Department of the Army authorization but do not require pre-construction notification. The description of the proposed activity and any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or other mitigation measures. For single and complete linear projects, the PCN must include the quantity of anticipated losses of wetlands, other special aquatic sites, and other waters for each single and complete crossing of those wetlands, other special aquatic sites, and other waters. Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the activity and when provided results in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed activity (e.g., a conceptual plan), but do not need to be detailed engineering plans);
- ☐ (5) The PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. Furthermore, the 45 day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate;

☐ (6) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands and a PCN is required, the prospective permittee must submit a statement describing how the mitigation requirement will be satisfied, or explaining why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan.

☐ (7) For non-Federal permittees, if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat, the PCN must include the name(s) of those endangered or threatened species that might be affected by the proposed activity or utilize the designated critical habitat that might be affected by the proposed activity. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with the Endangered Species Act;

☐ (8) For non-Federal permittees, if the NWP activity might have the potential to cause effects to a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, the PCN must state which historic property might have the potential to be affected by the proposed activity or include a vicinity map indicating the location of the historic property. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with section 106 of the National Historic Preservation Act;

☐ (9) For an activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, the PCN must identify the Wild and Scenic River or the "study river" (see general condition 16); and

☐ (10) For an activity that requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, the pre-construction notification must include a statement confirming that the project proponent has submitted a written request for section 408 permission from the Corps office having jurisdiction over that USACE project.

☐ (c) Form of Pre-Construction Notification: The standard individual permit application form (Form ENG 4345) may be used, but the completed application form must clearly indicate that it is an NWP PCN and must include all of the applicable information required in paragraphs (b)(1) through (10) of this general condition. A letter containing the required information may also be used. Applicants may provide electronic files of PCNs

and supporting materials if the district engineer has established tools and procedures for electronic submittals.

☐ (d) Agency Coordination:

☐ (1) The district engineer will consider any comments from Federal and state agencies concerning the proposed activity's compliance with the terms and conditions of the NWP and the need for mitigation to reduce the activity's adverse environmental effects so that they are no more than minimal.

☐ (2) Agency coordination is required for: (i) All NWP activities that require pre-construction notification and result in the loss of greater than 1/2-acre of waters of the United States; (ii) NWP 21, 29, 39, 40, 42, 43, 44, 50, 51, and 52 activities that require pre-construction notification and will result in the loss of greater than 300 linear feet of stream bed; (iii) NWP 13 activities in excess of 500 linear feet, fills greater than one cubic yard per running foot, or involve discharges of dredged or fill material into special aquatic sites; and (iv) NWP 54 activities in excess of 500 linear feet, or that extend into the waterbody more than 30 feet from the mean low water line in tidal waters or the ordinary high water mark in the Great Lakes.

☐ (3) When agency coordination is required, the district engineer will immediately provide (e.g., via email, facsimile transmission, overnight mail, or other expeditious manner) a copy of the complete PCN to the appropriate Federal or state offices (FWS, state natural resource or water quality agency, EPA, and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will have 10 calendar days from the date the material is transmitted to notify the district engineer via telephone, facsimile transmission, or email that they intend to provide substantive, site-specific comments. The comments must explain why the agency believes the adverse environmental effects will be more than minimal. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the preconstruction notification. The district engineer will fully consider agency comments received within the specified time frame concerning the proposed activity's compliance with the terms and conditions of the NWPs, including the need for mitigation to ensure the net adverse environmental effects of the proposed activity are no more than minimal. The district engineer will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization

should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5.

☐ (4) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act.

☐ (4) Applicants are encouraged to provide the Corps with either electronic files or multiple copies of preconstruction notifications to expedite agency coordination.

C. District Engineer's Decision

☐ 1. In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. If a project proponent requests authorization by a specific NWP, the district engineer should issue the NWP verification for that activity if it meets the terms and conditions of that NWP, unless he or she determines, after considering mitigation, that the proposed activity will result in more than minimal individual and cumulative adverse effects on the aquatic environment and other aspects of the public interest and exercises discretionary authority to require an individual permit for the proposed activity. For a linear project, this determination will include an evaluation of the individual crossings of waters of the United States to determine whether they individually satisfy the terms and conditions of the NWP(s), as well as the cumulative effects caused by all of the crossings authorized by NWP. If an applicant requests a waiver of the 300 linear foot limit on impacts to streams or of an otherwise applicable limit, as provided for in NWPs 13, 21, 29, 36, 39, 40, 42, 43, 44, 50, 51, 52, or 54, the district engineer will only grant the waiver upon a written determination that the NWP activity will result in only minimal individual and cumulative adverse environmental effects. For those NWPs that have a waivable 300 linear foot limit for losses of intermittent and ephemeral stream bed and a 1/2-acre limit (i.e., NWPs 21, 29, 39, 40, 42, 43, 44, 50, 51, and 52), the loss of intermittent and ephemeral stream bed, plus any other losses of jurisdictional waters and wetlands, cannot exceed 1/2-acre.

☐ 2. When making minimal adverse environmental effects determinations the district engineer will consider the direct and indirect effects caused by the NWP activity. He or she will also consider the cumulative adverse environmental effects caused by activities authorized by NWP and whether those cumulative adverse environmental effects are no more than minimal. The district engineer will also consider site specific factors, such as the environmental setting in the vicinity of the NWP activity, the type of resource that will be affected by the NWP activity, the functions provided by the aquatic resources that will be affected by the NWP activity, the degree or magnitude to which the aquatic resources perform those functions, the extent that aquatic resource functions will be lost as a result of the NWP activity (e.g., partial or complete loss), the duration of the adverse effects (temporary or permanent), the importance of the aquatic

resource functions to the region (e.g., watershed or ecoregion), and mitigation required by the district engineer. If an appropriate functional or condition assessment method is available and practicable to use, that assessment method may be used by the district engineer to assist in the minimal adverse environmental effects determination. The district engineer may add case-specific special conditions to the NWP authorization to address site-specific environmental concerns.

☐ 3. If the proposed activity requires a PCN and will result in a loss of greater than 1/10-acre of wetlands, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for NWP activities with smaller impacts, or for impacts to other types of waters (e.g., streams). The district engineer will consider any proposed compensatory mitigation or other mitigation measures the applicant has included in the proposal in determining whether the net adverse environmental effects of the proposed activity are no more than minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse environmental effects are no more than minimal, after considering mitigation, the district engineer will notify the permittee and include any activity-specific conditions in the NWP verification the district engineer deems necessary. Conditions for compensatory mitigation requirements must comply with the appropriate provisions at 33 CFR 332.3(k). The district engineer must approve the final mitigation plan before the permittee commences work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the proposed compensatory mitigation plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure the NWP activity results in no more than minimal adverse environmental effects. If the net adverse environmental effects of the NWP activity (after consideration of the mitigation proposal) are determined by the district engineer to be no more than minimal, the district engineer will provide a timely written response to the applicant. The response will state that the NWP activity can proceed under the terms and conditions of the NWP, including any activity-specific conditions added to the NWP authorization by the district engineer.

☐ 4. If the district engineer determines that the adverse environmental effects of the proposed activity are more than minimal, then the district engineer will notify the applicant either: (a) That the activity does not qualify for authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (b) that the activity is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal; or (c) that the activity is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no

more than minimal adverse environmental effects, the activity will be authorized within the 45-day PCN period (unless additional time is required to comply with general conditions 18, 20, and/or 31, or to evaluate PCNs for activities authorized by NWPs 21, 49, and 50), with activity-specific conditions that state the mitigation requirements. The authorization will include the necessary conceptual or detailed mitigation plan or a requirement that the applicant submit a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal. When compensatory mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan or has determined that prior approval of a final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation.

D. Further Information

1. District Engineers have authority to determine if an activity complies with the terms and conditions of an NWP.
2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law.
3. NWPs do not grant any property rights or exclusive privileges.
4. NWPs do not authorize any injury to the property or rights of others.
5. NWPs do not authorize interference with any existing or proposed Federal project (see general condition 31).

E. Definitions

Best management practices (BMPs): Policies, practices, procedures, or structures implemented to mitigate the adverse environmental effects on surface water quality resulting from development. BMPs are categorized as structural or non-structural.

Compensatory mitigation: The restoration (re-establishment or rehabilitation), establishment (creation), enhancement, and/or in certain circumstances preservation of aquatic resources for the purposes of offsetting unavoidable adverse impacts which remain after all appropriate and practicable avoidance and minimization has been achieved.

Currently serviceable: Useable as is or with some maintenance, but not so degraded as to essentially require reconstruction.

Direct effects: Effects that are caused by the activity and occur at the same time and place.

Discharge: The term "discharge" means any discharge of dredged or fill material into waters of the United States.

Ecological reference: A model used to plan and design an aquatic habitat and riparian area restoration, enhancement, or establishment activity under NWP 27. An ecological reference may be based on the structure, functions, and dynamics of an aquatic habitat type or a riparian area type that currently exists in the region where the proposed NWP 27 activity is located. Alternatively, an ecological reference may be based on a conceptual model for the aquatic habitat type or riparian area type to be restored, enhanced, or established as a result of the

proposed NWP 27 activity. An ecological reference takes into account the range of variation of the aquatic habitat type or riparian area type in the region.

Enhancement: The manipulation of the physical, chemical, or biological characteristics of an aquatic resource to heighten, intensify, or improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

Ephemeral stream: An ephemeral stream has flowing water only during, and for a short duration after, precipitation events in a typical year. Ephemeral stream beds are located above the water table year-round. Groundwater is not a source of water for the stream. Runoff from rainfall is the primary source of water for stream flow.

Establishment (creation): The manipulation of the physical, chemical, or biological characteristics present to develop an aquatic resource that did not previously exist at an upland site. Establishment results in a gain in aquatic resource area.

High Tide Line: The line of intersection of the land with the water's surface at the maximum height reached by a rising tide. The high tide line may be determined, in the absence of actual data, by a line of oil or scum along shore objects, a more or less continuous deposit of fine shell or debris on the foreshore or berm, other physical markings or characteristics, vegetation lines, tidal gages, or other suitable means that delineate the general height reached by a rising tide. The line encompasses spring high tides and other high tides that occur with periodic frequency but does not include storm surges in which there is a departure from the normal or predicted reach of the tide due to the piling up of water against a coast by strong winds such as those accompanying a hurricane or other intense storm.

Historic Property: Any prehistoric or historic district, site (including archaeological site), building, structure, or other object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the National Register criteria (36 CFR part 60).

Independent utility: A test to determine what constitutes a single and complete non-linear project in the Corps Regulatory Program. A project is considered to have independent utility if it would be constructed absent the construction of other projects in the project area. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed even if the other phases were not built can be considered as separate single and complete projects with independent utility.

Indirect effects: Effects that are caused by the activity and are later in time or farther removed in distance, but are still reasonably foreseeable.

Intermittent stream: An intermittent stream has flowing water during certain times of the year, when groundwater

provides water for stream flow. During dry periods, intermittent streams may not have flowing water. Runoff from rainfall is a supplemental source of water for stream flow.

Loss of waters of the United States: Waters of the United States that are permanently adversely affected by filling, flooding, excavation, or drainage because of the regulated activity. Permanent adverse effects include permanent discharges of dredged or fill material that change an aquatic area to dry land, increase the bottom elevation of a waterbody, or change the use of a waterbody. The acreage of loss of waters of the United States is a threshold measurement of the impact to jurisdictional waters for determining whether a project may qualify for an NWP; it is not a net threshold that is calculated after considering compensatory mitigation that may be used to offset losses of aquatic functions and services. The loss of stream bed includes the acres or linear feet of stream bed that are filled or excavated as a result of the regulated activity. Waters of the United States temporarily filled, flooded, excavated, or drained, but restored to pre-construction contours and elevations after construction, are not included in the measurement of loss of waters of the United States. Impacts resulting from activities that do not require Department of the Army authorization, such as activities eligible for exemptions under section 404(f) of the Clean Water Act, are not considered when calculating the loss of waters of the United States. Navigable waters: Waters subject to section 10 of the Rivers and Harbors Act of 1899. These waters are defined at 33 CFR part 329.

Non-tidal wetland: A non-tidal wetland is a wetland that is not subject to the ebb and flow of tidal waters. Nontidal wetlands contiguous to tidal waters are located landward of the high tide line (i.e., spring high tide line).

Open water: For purposes of the NWPs, an open water is any area that in a year with normal patterns of precipitation has water flowing or standing above ground to the extent that an ordinary high water mark can be determined. Aquatic vegetation within the area of flowing or standing water is either non-emergent, sparse, or absent. Vegetated shallows are considered to be open waters. Examples of "open waters" include rivers, streams, lakes, and ponds.

Ordinary High Water Mark: An ordinary high water mark is a line on the shore established by the fluctuations of water and indicated by physical characteristics, or by other appropriate means that consider the characteristics of the surrounding areas.

Perennial stream: A perennial stream has flowing water year-round during a typical year. The water table is located above the stream bed for most of the year. Groundwater is the primary source of water for stream flow. Runoff from rainfall is a supplemental source of water for stream flow.

Practicable: Available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes.

Pre-construction notification: A request submitted by the project proponent to the Corps for confirmation that a particular activity is authorized by nationwide permit. The request may be a permit application, letter, or similar document that includes information about the proposed work

and its anticipated environmental effects. Preconstruction notification may be required by the terms and conditions of a nationwide permit, or by regional conditions. A preconstruction notification may be voluntarily submitted in cases where preconstruction notification is not required and the project proponent wants confirmation that the activity is authorized by nationwide permit.

Preservation: The removal of a threat to, or preventing the decline of, aquatic resources by an action in or near those aquatic resources. This term includes activities commonly associated with the protection and maintenance of aquatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of aquatic resource area or functions.

Protected tribal resources: Those natural resources and properties of traditional or customary religious or cultural importance, either on or off Indian lands, retained by, or reserved by or for, Indian tribes through treaties, statutes, judicial decisions, or executive orders, including tribal trust resources.

Re-establishment: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former aquatic resource. Reestablishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area and functions.

Rehabilitation: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

Restoration: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: Reestablishment and rehabilitation.

Riffle and pool complex: Riffle and pool complexes are special aquatic sites under the 404(b)(1) Guidelines. Riffle and pool complexes sometimes characterize steep gradient sections of streams. Such stream sections are recognizable by their hydraulic characteristics. The rapid movement of water over a coarse substrate in riffles results in a rough flow, a turbulent surface, and high dissolved oxygen levels in the water. Pools are deeper areas associated with riffles. A slower stream velocity, a streaming flow, a smooth surface, and a finer substrate characterize pools.

Riparian areas: Riparian areas are lands next to streams, lakes, and estuarine-marine shorelines. Riparian areas are transitional between terrestrial and aquatic ecosystems, through which surface and subsurface hydrology connects riverine, lacustrine, estuarine, and marine waters with their adjacent wetlands, non-wetland waters, or uplands. Riparian areas provide a variety of ecological functions and services and help improve or maintain local water quality. (See general condition 23.)

Shellfish seeding: The placement of shellfish seed and/or suitable substrate to increase shellfish production. Shellfish

seed consists of immature individual shellfish or individual shellfish attached to shells or shell fragments (i.e., spat on shell). Suitable substrate may consist of shellfish shells, shell fragments, or other appropriate materials placed into waters for shellfish habitat.

Single and complete linear project: A linear project is a project constructed for the purpose of getting people, goods, or services from a point of origin to a terminal point, which often involves multiple crossings of one or more waterbodies at separate and distant locations. The term “single and complete project” is defined as that portion of the total linear project proposed or accomplished by one owner/developer or partnership or other association of owners/developers that includes all crossings of a single water of the United States (i.e., a single waterbody) at a specific location. For linear projects crossing a single or multiple waterbodies several times at separate and distant locations, each crossing is considered a single and complete project for purposes of NWP authorization. However, individual channels in a braided stream or river, or individual arms of a large, irregularly shaped wetland or lake, etc., are not separate waterbodies, and crossings of such features cannot be considered separately.

Single and complete non-linear project: For non-linear projects, the term “single and complete project” is defined at 33 CFR 330.2(i) as the total project proposed or accomplished by one owner/developer or partnership or other association of owners/developers. A single and complete non-linear project must have independent utility (see definition of “independent utility”). Single and complete non-linear projects may not be “piecemealed” to avoid the limits in an NWP authorization.

Stormwater management: Stormwater management is the mechanism for controlling stormwater runoff for the purposes of reducing downstream erosion, water quality degradation, and flooding and mitigating the adverse effects of changes in land use on the aquatic environment.

Stormwater management facilities: Stormwater management facilities are those facilities, including but not limited to, stormwater retention and detention ponds and best management practices, which retain water for a period of time to control runoff and/or improve the quality (i.e., by reducing the concentration of nutrients, sediments, hazardous substances and other pollutants) of stormwater runoff.

Stream bed: The substrate of the stream channel between the ordinary high water marks. The substrate may be bedrock or inorganic particles that range in size from clay to boulders. Wetlands contiguous to the stream bed, but outside of the ordinary high water marks, are not considered part of the stream bed.

Stream channelization: The manipulation of a stream’s course, condition, capacity, or location that causes more than minimal interruption of normal stream processes. A channelized stream remains a water of the United States.

Structure: An object that is arranged in a definite pattern of organization. Examples of structures include, without limitation, any pier, boat dock, boat ramp, wharf, dolphin, weir, boom, breakwater, bulkhead, revetment, riprap, jetty, artificial island, artificial reef, permanent mooring structure, power transmission line, permanently moored floating vessel,

piling, aid to navigation, or any other manmade obstacle or obstruction.

Tidal wetland: A tidal wetland is a jurisdictional wetland that is inundated by tidal waters. Tidal waters rise and fall in a predictable and measurable rhythm or cycle due to the gravitational pulls of the moon and sun. Tidal waters end where the rise and fall of the water surface can no longer be practically measured in a predictable rhythm due to masking by other waters, wind, or other effects. Tidal wetlands are

Tribal lands: Any lands title to which is either: (1) Held in trust by the United States for the benefit of any Indian tribe or individual; or (2) held by any Indian tribe or individual subject to restrictions by the United States against alienation.

Tribal rights: Those rights legally accruing to a tribe or tribes by virtue of inherent sovereign authority, unextinguished aboriginal title, treaty, statute, judicial decisions, executive order or agreement, and that give rise to legally enforceable remedies.

Vegetated shallows: Vegetated shallows are special aquatic sites under the 404(b)(1) Guidelines. They are areas that are permanently inundated and under normal circumstances have rooted aquatic vegetation, such as seagrasses in marine and estuarine systems and a variety of vascular rooted plants in freshwater systems.

Waterbody: For purposes of the NWP, a waterbody is a jurisdictional water of the United States. If a wetland is adjacent to a waterbody determined to be a water of the United States, that waterbody and any adjacent wetlands are considered together as a single aquatic unit (see 33 CFR 328.4(c)(2)). Examples of “waterbodies” include streams, rivers, lakes, ponds, and wetlands.



4/27/2021

Rafael Martinez
County of El Dorado, Department of Transportation
2850 Fairlane Court
Placerville, CA 95667
rafael.martinez@edcgov.us

Dear Mr. Martinez:

**Final Streambed Alteration Agreement
Notification No. 1600-2020-0151-R2
Mosquito Road at South Fork American River Bridge Replacement**

Enclosed is the final Streambed Alteration Agreement (Agreement) for the Mosquito Road at South Fork American River Bridge Replacement Project (Project). Before the California Department of Fish and Wildlife (CDFW) may issue an Agreement, it must comply with the California Environmental Quality Act (CEQA). In this case, CDFW acting as a responsible agency filed a Notice of Determination (NOD) within five working days of signing the Agreement. The NOD was based on information contained in the final Environmental Impact Report prepared by the lead agency.

Under CEQA, the filing of an NOD triggers a 30-day statute of limitations period during which an interested party may challenge the filing agency's approval of the Project. You may begin the Project before the statute of limitations expires if you have obtained all necessary local, state, and federal permits or other authorizations. However, if you elect to do so, it will be at your own risk.

If you have any questions regarding this letter, please contact Caitlyn Oswalt, Environmental Scientist at (916) 358-4315 or by email at caitlyn.oswalt@wildlife.ca.gov.

Sincerely,

DocuSigned by:
Kelley Barker
778EDA8AE45F4C9...

Kelley Barker
Environmental Program Manager

ec: Caitlyn Oswalt, Environmental Scientist
caitlyn.oswalt@wildlife.ca.gov

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE
NORTH CENTRAL REGION
1701 NIMBUS ROAD, SUITE A
RANCHO CORDOVA, CA 95670



STREAMBED ALTERATION AGREEMENT
NOTIFICATION NO. 1600-2020-0151-R2
SOUTH FORK AMERICAN RIVER

COUNTY OF EL DORADO, DEPARTMENT OF TRANSPORTATION
MOSQUITO ROAD AT SOUTH FORK AMERICAN RIVER BRIDGE REPLACEMENT
PROJECT

This Streambed Alteration Agreement (Agreement) is entered into between the California Department of Fish and Wildlife (CDFW) and the County of El Dorado, Department of Transportation (Permittee), as represented by Rafael Martinez.

RECITALS

WHEREAS, pursuant to Fish and Game Code section 1602, Permittee notified CDFW on June 2, 2020, that Permittee intends to complete the project described herein.

WHEREAS, pursuant to Fish and Game Code section 1603, CDFW has determined that the project could substantially adversely affect existing fish or wildlife resources and has included measures in this Agreement necessary to protect those resources.

WHEREAS, Permittee has reviewed this Agreement and accepts its terms and conditions, including the measures to protect fish and wildlife resources.

NOW THEREFORE, Permittee agrees to complete the project in accordance with this Agreement.

PROJECT LOCATION

The project is located at the South Fork American River, as well as a connecting unnamed tributary, in the County of El Dorado, State of California; Latitude 38.775702, Longitude -120.750391; Section 28, Township 11N, Range 11E, U.S. Geological Survey (USGS) map Slate Mountain, CA, base and meridian Mt. Diablo; Assessor's Parcel Number [APN] 084-030-15, 084-030-45, and 084-030-14.

Exhibit A shows the project location.

PROJECT DESCRIPTION

The project is limited to the construction of a new bridge and roadway alignment over the South Fork of the American River on Mosquito Road. This will functionally replace the existing Mosquito Road bridge that will remain in place for bicycle and foot traffic

only. The replacement bridge profile would be raised to approximately 400 feet over the river, resulting in a main bridge length ranging from approximately 1,150 to 1,250 feet. The new main bridge over the South Fork American River would be a multi-span, likely cast-in-place prestressed concrete box-girder, concrete arch, or network arch type bridge with a maximum span of approximately 650 feet. A large arch culvert with concrete headwalls will be constructed above the ordinary highwater mark of the small ravine. Excavation trenches 45 feet wide and 75 feet long will require two tie-back walls each 35 feet tall with 2:1 slope between walls.

Additionally, two bridge abutments will be cast-in-drill 100-feet deep with two bottom excavation areas with the dimensions of 20 feet wide, 40 feet long, and 15 feet deep. One 50-feet long retaining wall will be constructed on either side of the new bridge.

The new roadway alignment of approximately 2,000 feet will go through an unnamed ephemeral stream. Approximately 395 linear feet of the ephemeral stream will be filled and a 48-inch plastic pipe will be placed to convey the ephemeral stream through the project site. A rock slop protection (RSP) lined channel with check dams will be placed at the outlet of the culvert.

A variety of earthmoving equipment such as scrapers, excavators, backhoes, compactors, graders, and bulldozers will do most of the earthmoving work within the site. Water trucks, service trucks, and other typical construction vehicles will be present. Access to the site/staging area will occur near each of the new bridge's abutments on Mosquito Road. Excavated material would be used to create such a usable area and would be paved with an all-weather surface to control erosion and soil tracking. Any rock removed would be used on the project site as part of the rock gravity walls, aesthetic treatments, or barricades.

Exhibit B shows the project plans.

PROJECT IMPACTS

Existing fish or wildlife resources the project could substantially adversely affect include: Foothill yellow-legged frog (*Rana boylei*), Blainville's horned lizard (*Phrynosoma coronatum*), willow flycatcher (*Empidonax traillii*), western pond turtle (*Actinemys marmorata*), nesting birds, special status bat species, and other aquatic and terrestrial plant and wildlife species.

The adverse effects the project could have on the wildlife resources identified above include: loss of foraging, nesting, and shelter habitat; disruption to wildlife; disturbance of nesting due to increased human activity, noise, and vibrations; direct take of aquatic or terrestrial species; direct mortality or injury to individual plants and animals caused by construction activities; impediment to migration of aquatic and terrestrial species during construction; direct loss of resources for aquatic organisms; loss or decline of riparian and/or emergent marsh habitat; introduction of sedimentation or other pollutants into the watercourse; short-term release of contaminants (e.g., incidental from construction); loss of natural bed or bank; change in contour of bed, channel or bank; degradation of

channel; loss of bank stability during construction; increase of bank erosion during construction; disturbance from project activity; diversion of flow water from, or around, activity site; and dewatering.

The project will cause permanent impacts to 0.03 acre of willow thicket wetland and 0.03 acre of ephemeral stream habitat. Temporary impacts will occur on 7.62 acres of oak woodland. These areas include temporary shoring towers adjacent to the supports and falsework during construction on both ends of the bridge, temporary road realignments, and staging on the Placerville side of the river. Additionally, the project will temporarily disturb 0.03 acre of intermittent streambed habitat.

MEASURES TO PROTECT FISH AND WILDLIFE RESOURCES

1. Administrative Measures

Permittee shall meet each administrative requirement described below.

- 1.1 Documentation at Project Site. Permittee shall make this Agreement, any extensions and amendments to this Agreement, and all related notification materials and California Environmental Quality Act (CEQA) documents, readily available at the project site at all times and shall be presented to CDFW personnel, or personnel from another state, federal, or local agency upon request.
- 1.2 Providing Agreement to Persons at Project Site. Permittee shall provide copies of this Agreement and any extensions and amendments to this Agreement to all persons who will be working on the project at the project site on behalf of Permittee, including but not limited to contractors, subcontractors, inspectors, and monitors.
- 1.3 Notification of Conflicting Provisions. Permittee shall notify CDFW if Permittee determines or learns that a provision in this Agreement might conflict with a provision imposed on the project by another local, state, or federal agency. In that event, CDFW shall work with the Permittee to resolve any conflict.
- 1.4 Project Site Entry. Permittee agrees that CDFW personnel may enter the project site at any time to verify compliance with this Agreement.
- 1.5 No Trespass. To the extent that any provisions of this Agreement provide for activities that require the Permittee to traverse another owner's property, such provisions are agreed to with the understanding that the Permittee possesses the legal right to so traverse. In the absence of such right, any such provision is void.
- 1.6 Notification of Project Modification. The Permittee agrees to notify CDFW of any modifications made to the project plans submitted to CDFW.
- 1.7 Change of Conditions and Need to Cease Operations. If conditions arise, or change, in such a manner as to be considered deleterious to the stream or wildlife, operations shall cease until corrective measures approved by CDFW are taken.

- 1.8 Does Not Authorize "Take." This Agreement does not authorize "take" of any California Endangered Species Act (CESA) listed species. Take is defined in Fish and Game Code section 86, as hunt, pursue, catch, capture or kill or attempt to hunt, pursue, catch, capture, or kill. If there is potential for take of any listed species to occur, Permittee shall consult with CDFW and demonstrate compliance with CESA.
- 1.9 CEQA Compliance. Permittee shall implement and adhere to the mitigation measures in the Environmental Impact Report (EIR) (SCH No. 2015062076), and all associated documents adopted by the County of El Dorado, Department of Transportation, as lead agency for the project pursuant to the CEQA (Pub. Resources Code, § 21000 et seq.). If the results of focused or pre-commencement surveys indicate that additional impacts may result from project activities that were not analyzed in the CEQA document, then the Permittee should comply with CEQA before the project commences.

2. Avoidance and Minimization Measures

To avoid or minimize adverse impacts to fish and wildlife resources identified above, Permittee shall implement each measure listed below.

- 2.1 Work Period in Low Rainfall / Dry Weather Only. The work period within the South Fork of the American River shall be restricted to periods of low rainfall (less than ¼-inch per 24-hour period) or periods of dry weather (with less than a 50% chance of rain). Permittee shall monitor the National Weather Service (NWS) 72-hour forecast for the project area. No work shall occur during a dry-out period of 24 hours after the above referenced wet weather. Weather forecasts shall be provided upon request by the CDFW. *All erosion control measures shall be initiated prior to all storm events. Revegetation, restoration and erosion control work is not confined to this work period.*
- 2.2 Vegetation Removal. Disturbance or removal of vegetation shall be kept to the minimum necessary to complete project related activities. Except for tree removal already described in the Project Description, no native trees with a trunk diameter at breast height (DBH) in excess of four (4) inches shall be removed or damaged without prior consultation and approval of a CDFW representative. Where native trees or woody riparian vegetation split into several trunks close to ground level, the DBH shall be measured for each trunk and calculated as one tree. Vegetation marked for protection may only be trimmed with hand tools to the extent necessary to gain access to the work sites.

Biological Resources

- 2.3 Leave Wildlife Unharmd. If any wildlife is encountered during the course of construction, said wildlife shall be allowed to leave the construction area unharmed.

- 2.4 Avoid Species Entrapment. Permittee shall ensure all excavated locations, steep-walled holes, or trenches more than six (6) inches deep are completely covered or one or more escape ramps of earth fill or wooden planks are installed at the end of each workday or 30 minutes prior to sunset, whichever occurs first. All excavated locations shall be inspected daily, prior to the start of work, for the presence of any wildlife that may have become trapped during the previous 24 hours.
- 2.5 Check for Wildlife in Pipes / Construction Materials. Permittee shall visually check all sections of pipe / construction materials for the presence of sheltering wildlife prior to being moved. Alternatively, pipe ends shall be capped while stored on site to prevent wildlife from entering. After attachment of the pipe sections to one another, whether in the trench or not, the exposed end(s) of the pipeline shall be capped at the end of each day during construction to prevent wildlife from entering and being trapped within the pipeline.
- 2.6 Special-Status Species encountered during work. If the Permittee encounters any special-status species during project activities, work shall be suspended, CDFW notified, and conservation measures shall be developed in agreement with CDFW prior to re-initiating the activity. If during project activities, the Permittee encounters any species listed pursuant to the CESA, work shall be suspended, and CDFW notified. Work may not re-initiate until the Permittee has consulted with CDFW and can demonstrate compliance with CESA.
- 2.7 Designated Biologist(s). At least ten (10) business days before initiating ground- or vegetation-disturbing activities, Permittee shall submit to CDFW in writing the name, qualifications, business address, and contact information of a biologist(s) (Designated Biologist). Permittee shall obtain CDFW's written approval of the Designated Biologist(s) before starting project activities. Permittee shall also obtain CDFW's written approval before starting project activities if the Designated Biologist must be changed. Permittee shall ensure that the Designated Biologist is knowledgeable and experienced in the biology and natural history of the fish and wildlife species that may be present in the project area. The Designated Biologist shall be onsite during all project activities, to help minimize impacts to fish and wildlife resources.
- 2.8 Designated Biologist Stop Work Authorization. The Designated Biologist shall have the authority to immediately stop any activity that is not in compliance with this Agreement, and/or to order any reasonable measure to avoid or minimize impacts to fish and wildlife resources.
- 2.9 Nesting Bird Survey. If project -related activities are scheduled during the nesting season (typically February 1 to August 31), a focused survey for nests shall be conducted by a Designated Biologist within fourteen (14) days prior to the beginning of project-related activities. The Designated Biologist shall survey the area within a 500-foot (for migratory birds) and 1/2-mile (for raptors) radius around the project area. The results of the survey shall be provided to CDFW upon

completion. If no active nests are found, project activities may proceed as scheduled.

- 2.9.1 Active Nests. If an active nest is found, active nests should be avoided, and a no disturbance or destruction buffer shall be determined and established by a Designated Biologist. The buffer shall be kept in place until after the breeding nesting season or the Designated Biologist confirms the young have fledged, and the nest is no longer active for the season. The extent of these buffers shall be determined by the Designated Biologist and will depend on the species present, the level of noise or construction disturbance, line of sight between the nest and the disturbance, ambient levels of noise and other disturbances, and other topographical or artificial barriers.
- 2.9.2 Project Delay. If a lapse in project -related work of 14 days or longer occurs, the Designated Biologist shall complete another focused survey before project work can be reinitiated.
- 2.9.3 Permittee Responsibility. It is the Permittee's responsibility to comply with Fish and Game Code Sections 3503, 3503.5, and 3513, regardless of the time of year. This Agreement does not authorize take of birds, their nests, or their eggs.
- 2.10 Invasive Species. Permittee shall conduct project activities in a manner that prevents the introduction, transfer, and spread of aquatic, riparian, and terrestrial invasive species from one work site and/or water body to another. Prior to entering the project area, Permittee shall inspect equipment for invasive species and, if any signs of invasive species are found, the equipment shall be cleaned to remove those species. All visible soil/mud, plant materials, and animal remnants on equipment will be removed prior to entering and exiting the work site and/or between each use in different water bodies. Permittee shall notify CDFW immediately if an invasive species not previously known to occur within the work site is discovered during work activities by contacting CDFW's Invasive Species Program by email at Invasives@wildlife.ca.gov.
- 2.11 Foothill Yellow-legged Frog Pre-construction Surveys. Prior to the initiation of any project activities, the Designated Biologist shall perform surveys for foothill yellow legged frog (*Rana boylei*) (FYLF) within the project area where potential habitat for this species is present. Documentation of surveys and findings shall be received by CDFW prior to initial ground-disturbing activities. If FYLF is detected, no work shall occur until the Permittee has consulted with CDFW and can demonstrate compliance with CESA.
- 2.12 Western Pond Turtle Pre-Construction Surveys. Prior to the initiation of any project activities, the Designated Biologist shall perform surveys for western pond turtle (*Actinemys marmorata*) within the project area where potential habitat for this

species is present. Documentation of surveys and findings shall be received by CDFW prior to initial ground-disturbing activities.

- 2.13 Blainville's Horned Lizard Pre-Construction Surveys. Prior to the initiation of any project activities, the Designated Biologist shall perform surveys for Blainville's horned lizard (*Phrynosoma coronatum*), within the project area where potential habitat for this species is present. Documentation of surveys and findings shall be received by CDFW prior to initial ground-disturbing activities.
- 2.14 Bat Survey. The Designated Biologist shall conduct a presence/absence bat survey prior to project related activities within the project area and a 500-foot buffer, where accessible, 30 days before the start of construction. If bats are present, then the Designated Biologist shall submit an avoidance plan to CDFW. The plan shall evaluate the length of time of disturbance, equipment noise, and type of habitat present at the project area. Results of the bat survey shall be made available to CDFW upon request.
- 2.15 Bat Roost Buffer. The Permittee and Designated Biologist shall ensure that no project activities occur within 200 feet of a bat roost during the maternity (April 15 to August 31) or hibernation (October 15 to March 1) seasons. The Permittee shall clearly delineate bat roosts within the project area with posted signs demarking the area to avoid, using stakes, flags, and/or rope or cord to avoid disturbance of bat roost. Permittee shall delineate bat roosts with different materials than those used to delineate the project Area. The Permittee shall remove all materials used for delineation upon completion of the project.
- 2.16 Roost Avoidance Plan. The Designated Biologist shall prepare a Bat Avoidance Plan if maternity or hibernation roosts are identified during pre-construction surveys. The Bat Avoidance Plan shall include detailed measures to avoid and minimize impacts to roosting bats in and near the construction areas. The Permittee shall submit the Bat Avoidance Plan to CDFW prior to commencing project -related activities within 500 feet of a known roost. Bats shall not be disturbed. CDFW reserves the right to provide additional provisions to this agreement designed to protect nesting/roosting bats.

It is the Permittee's responsibility to comply with Fish and Game Code Section 4150, regardless of the time of year. This Agreement does not authorize take of non-game mammals including bats.

Revegetation and Restoration

- 2.17 Seeding. Permittee shall restore all exposed/disturbed areas and access points within the project area, by seeding with a locally native grass mix, unless otherwise agreed upon with CDFW. Revegetation shall be completed as soon as possible after construction activities.
- 2.18 Native Plant Materials. Revegetation shall include only local plant materials native to the project area, unless otherwise approved by CDFW in writing.

- 2.19 Prohibited Plant Species. Permittee shall not plant, seed, or otherwise introduce invasive non-native plant species. Prohibited invasive non-native plant species include those identified in the California Invasive Pest Plant Council's database, which is accessible at: <http://www.cal-ipc.org>.

Erosion Control/Stabilization

- 2.20 Erosion Control. Permittee shall actively implement best management practices (BMPs) to minimize turbidity and siltation and prevent erosion and the discharge of sediment where it may pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat during project activities. Precautions shall include, but are not limited to: pre-construction planning to identify site specific turbidity and siltation minimization measures; best management erosion control practices during project activity; and settling, filtering, or otherwise treating silty and turbid water prior to discharge into a stream or storm drain. This may require the placement of silt fencing, coir logs, coir rolls, straw bale dikes, or other siltation barriers so that silt and/or other deleterious materials are not allowed to pass to downstream reaches.
- 2.20.1 Monitoring. BMPs shall be monitored daily and repaired if necessary to ensure maximum erosion and sediment control.
- 2.20.2 Materials. All fiber rolls, straw wattles, and/or hay bales utilized within and adjacent to the project site shall be free of non-native plant materials. Fiber rolls or erosion control mesh shall be made of loose-weave mesh that is not fused at the intersections of the weave, such as jute, or coconut (coir) fiber, or other products without welded weaves. Products with plastic monofilament or cross joints in the netting that are bound/stitched (such as found in straw wattles/fiber rolls and some erosion control blankets), which may cause entrapment of wildlife, shall not be allowed.
- 2.20.3 Implementation. Passage of sediment beyond the sediment barrier(s) is prohibited. If any sediment barrier fails to retain sediment, corrective measures shall be taken. The sediment barrier(s) shall be maintained in good operating condition throughout the construction period and the following rainy season. Maintenance includes, but is not limited to, removal of accumulated silt and/or replacement of damaged silt fencing, coir logs, coir rolls, and/or straw bale dikes. Upon the CDFW's determination that turbidity/siltation levels resulting from project-related activities constitute a threat to aquatic life, activities associated with the turbidity/siltation shall be halted until effective CDFW-approved control devices are installed or abatement procedures are initiated.
- 2.21 Prohibition Against Use of Plastic Netting in Erosion Control Measures. Permittee shall not use temporary or permanent erosion control devices containing plastic netting, including photo- or bio-degradable plastic netting. These items are commonly found in straw waddles (fiber rolls) and erosion control blankets.

- 2.22 Site Restoration. All areas and access points exposed or disturbed during project activities shall be restored using conditions as set forth in the *Revegetation and Restoration* section above. Seeded areas shall be covered with broadcast straw and/or seeded erosion control blankets.

Avoid/Minimize Effects of Equipment

- 2.23 Heavy Equipment Maintenance. Any equipment or vehicles driven and/or operated shall be checked and maintained daily to prevent leaks of materials that could be deleterious to aquatic and terrestrial life or riparian habitat. If maintenance or refueling of vehicles or equipment must occur on-site, use a designated area and/or a secondary containment, located away from drainage courses to prevent the runoff of storm water and the runoff of spills. Place drip pans or absorbent materials under vehicles and equipment when not in use. Equipment shall be stored in areas that any possible contamination from the equipment would not pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat.
- 2.24 Minimize Vehicle Parking. Vehicles may enter and exit the work area as necessary for project activities, but may not be parked overnight within ten (10) feet of the drip line of any trees; nor shall vehicles be parked where mechanical fluid leaks may potentially pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat.
- 2.25 Material Storage. Project construction material and/or construction equipment shall not be placed where materials could pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat, or where they may cover aquatic or riparian vegetation.
- 2.26 Decontamination Sites. Permittee shall perform decontamination of vehicles, watercraft, and other project gear and equipment in a designated location where runoff can be contained and not allowed to pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat.
- 2.27 Stationary Equipment Leaks. Stationary equipment such as motors, pumps, generators, and welders shall be positioned over drip pans and secondary containment, as necessary. Stationary equipment shall have suitable containment to handle any spill/leak. Equipment shall be stored in areas that any possible contamination from the equipment would not pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat.
- 2.28 Equipment Maintenance and Fueling. No equipment maintenance or fueling shall be done where petroleum products or other pollutants from the equipment may

pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat.

- 2.29 Staging and Storage Areas. Staging and storage areas for equipment, materials, fuels, lubricants, and solvents shall be located more than one hundred (100) feet from waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat, unless otherwise approved by CDFW in writing. All equipment and fuel stored on site shall be properly contained and protected from rain.

Debris Materials and Waste

- 2.30 Remove Structures. Project-related structures and associated materials not designed to withstand high water flows or placed in seasonally dry portions of a river or stream that could be washed downstream or could be deleterious to aquatic life, wildlife, or riparian habitat shall be moved to areas above high water before such flows occur.
- 2.31 No Dumping. Permittee and all contractors, subcontractors, and employees shall not dump any litter or construction debris on the project site.
- 2.32 Remove Temporary Flagging, Fencing, and Barriers. Permittee shall remove all temporary flagging, fencing, and/or barriers from the project area and vicinity immediately upon completion of project activities.
- 2.33 Wash Water. Water containing mud, silt, or other pollutants from equipment washing or other activities, shall not be allowed to enter sensitive areas, or placed in locations where it may pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat.
- 2.34 Hazardous Materials. Debris, soil, silt, sand, rubbish, construction waste, cement or concrete or washings thereof, asphalt, paint, oil or other petroleum products or any other substances which could be hazardous to aquatic life, or other organic or earthen material from project activities shall not be stored where it may pass into waters of the state (Fish & G. Code § 89.1), the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat. Staging and storage areas for equipment, materials, fuels, lubricants and solvents, shall be located more than 150 feet from the waters of the state, the stream bed, bank, or channel (including but not limited to dry, ponded, flowing, or wetland areas), drainages, lakes, other sensitive habitat, unless otherwise approved by CDFW in writing. Ensure that all construction areas have proper spill clean-up materials (absorbent pads, sealed containers, booms, etc.) to contain the movement of any spilled substances. All debris shall be disposed of properly. BMPs shall be employed to accomplish these requirements.

CDFW shall be notified immediately by the Permittee of any spills and shall be consulted regarding clean-up procedures.

- 2.35 Removal of Debris, Materials and Rubbish. Permittee shall remove all project generated debris, building materials and rubbish from the project area following completion of project activities.
- 2.36 General Concrete Condition. The entire area where cement shall be poured will be completely dry prior to any pouring. No contaminated water shall be allowed to enter the streams. Any water which enters the dry area shall be pumped into containment trucks and hauled off site. To prevent the release of materials that may be toxic to fish and other aquatic species, poured concrete shall be isolated from stream flow and allowed to dry/cure for a minimum of 15 days.
- 2.37 No Pouring in Advance of Rain. No concrete or any cement product may be poured if measurable rain is forecasted within 10 days. If any concrete is poured after October 31, or if measurable rain may fall 11 to 15 days after pouring, a quick cure ingredient shall be added to the concrete mix to ensure a faster set or drying time.
- 2.38 Concrete – Primary Containment. The Permittee shall install the necessary containment structures to control the placement of wet concrete and to prevent it from entering into the channel outside of those structures.

3. Compensatory Measures

To compensate for adverse impacts to fish and wildlife resources identified above that cannot be avoided or minimized, Permittee shall implement each measure listed below.

- 3.1 Restoration of all Temporary Disturbed Areas. Permittee shall revegetate temporarily disturbed areas as soon as possible and within one year following disturbance. All seed, container stock, cuttings, and/or other plant materials used must be locally native and appropriate for use in the project area.
- 3.2 Purchase of Credits. Permittee shall mitigate for the permanent filling of 0.03 acres of the willow thicket wetland and the permanent filling 0.03 acres of an ephemeral stream by purchasing 0.3 credits at the Cosumnes Floodplain Mitigation Bank. Permittee shall submit the Bill of Sale and Payment Receipt to CDFW immediately upon completion of purchase transaction.

4. Reporting Measures

Permittee shall meet each reporting requirement described below.

- 4.1 Notification of Project Initiation. The Permittee shall notify the CDFW two (2) business days prior to beginning work for each construction season. Notification

shall be submitted as instructed in Contact Information section below. Email submittal is preferred.

- 4.2 Notification of Project Completion. Upon completion of the project activities described in this Agreement, the project activities shall be digitally photographed. Photographs shall be submitted to CDFW within fifteen (15) business days of project completion. Photographs and project completion notification shall be submitted as instructed in Contact Information section below. Email submittal is preferred.
- 4.3 Notification to the California Natural Diversity Database. If any special-status species are observed during project implementation, the Permittee shall submit the California Natural Diversity Data Base (CNDDB) Online Field Survey Form electronically at <https://www.wildlife.ca.gov/data/CNDDB/submitting-data> within five (5) business days of the sightings, and provide a copy of the form, survey map and/or report to the CDFW's Regional office as instructed in Contact Information section below.
- 4.4 Restoration Monitoring Reports. After completion of the restoration activities, the area of restoration shall be monitored for a minimum of three (3) years or until CDFW determines the success criteria have been met. Each year for three (3) years after restoration, a monitoring report shall be submitted to CDFW for review and approval. The report shall discuss the mitigation performance as it relates to the success criteria. The report shall include the success of natural revegetation establishment, survival, percent cover, and height of both tree and shrub species. The number by species of plants replaced, an overview of the revegetation effort, and the method used to assess these parameters shall also be included. The report shall include photos from designated photo stations and other relevant information such as: a summary of invasive species control, methods used to remove non-native plants, and a list of wildlife observed onsite.

CONTACT INFORMATION

Any communication that Permittee or CDFW submits to the other shall be in writing and any communication or documentation shall be delivered to the address below by U.S. mail, fax, or email, or to such other address as Permittee or CDFW specifies by written notice to the other.

To Permittee:

Rafael Martinez
County of El Dorado, Department of Transportation
2850 Fairlane Court
Placerville, CA 95667
(530) 621-7533
Rafael.Martinez@edcgov.us

To Contact:

Jon Balzer
County of El Dorado, Department of Transportation
2850 Fairlane Court
Placerville, CA 95667
(530) 621-5920
Jon.Balzer@edcgov.us

To CDFW:

California Department of Fish and Wildlife
North Central Region
1701 Nimbus Road, Suite A
Rancho Cordova, CA 95670
Attn: Lake and Streambed Alteration Program
Notification #1600-2020-0151-R2
Phone: (916) 358-2885
Fax: (916) 358-2912
Email: R2LSA@wildlife.ca.gov

LIABILITY

Permittee shall be solely liable for any violations of this Agreement, whether committed by Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents or contractors and subcontractors, to complete the project or any activity related to it that this Agreement authorizes.

This Agreement does not constitute CDFW's endorsement of, or require Permittee to proceed with the project. The decision to proceed with the project is Permittee's alone.

SUSPENSION AND REVOCATION

CDFW may suspend or revoke in its entirety this Agreement if it determines that Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, is not in compliance with this Agreement.

Before CDFW suspends or revokes this Agreement, it shall provide Permittee written notice by certified or registered mail that it intends to suspend or revoke. The notice shall state the reason(s) for the proposed suspension or revocation, provide Permittee an opportunity to correct any deficiency before CDFW suspends or revokes this Agreement, and include instructions to Permittee, if necessary, including but not limited to a directive to immediately cease the specific activity or activities that caused CDFW to issue the notice.

ENFORCEMENT

Nothing in this Agreement precludes CDFW from pursuing an enforcement action against Permittee instead of, or in addition to, suspending or revoking this Agreement.

Nothing in this Agreement limits or otherwise affects CDFW's enforcement authority or that of its enforcement personnel.

OTHER LEGAL OBLIGATIONS

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from complying with, from obtaining any other permits or authorizations that might be required under, other federal, state, or local laws or regulations before beginning the project or an activity related to it. For example, if the project causes take of a species listed as threatened or endangered under the Endangered Species Act (ESA), such take will be unlawful under the ESA absent a permit or other form of authorization from the U.S. Fish and Wildlife Service or National Marine Fisheries Service.

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from complying with other applicable statutes in the Fish and Game Code including, but not limited to, Fish and Game Code sections 2050 *et seq.* (threatened and endangered species), section 3503 (bird nests and eggs), section 3503.5 (birds of prey), section 5650 (water pollution), section 5652 (refuse disposal into water), section 5901 (fish passage), section 5937 (sufficient water for fish), and section 5948 (obstruction of stream).

Nothing in this Agreement authorizes Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, to trespass.

AMENDMENT

CDFW may amend this Agreement at any time during its term if CDFW determines the amendment is necessary to protect an existing fish or wildlife resource.

Permittee may amend this Agreement at any time during its term, provided the amendment is mutually agreed to in writing by CDFW and Permittee. To request an amendment, Permittee shall submit to CDFW a completed CDFW "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the corresponding amendment fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

TRANSFER AND ASSIGNMENT

This Agreement may not be transferred or assigned to another entity, and any purported transfer or assignment of this Agreement to another entity shall not be valid or effective, unless the transfer or assignment is requested by Permittee in writing, as specified below, and thereafter CDFW approves the transfer or assignment in writing.

The transfer or assignment of this Agreement to another entity shall constitute a minor amendment, and therefore to request a transfer or assignment, Permittee shall submit to CDFW a completed CDFW "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the minor amendment fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

EXTENSIONS

In accordance with Fish and Game Code section 1605, subdivision (b), Permittee may request one extension of this Agreement, provided the request is made prior to the expiration of this Agreement's term. To request an extension, Permittee shall submit to CDFW a completed CDFW "Request to Extend Lake or Streambed Alteration" form and include with the completed form payment of the extension fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5). CDFW shall process the extension request in accordance with Fish and Game Code section 1605, subdivisions (b) through (e).

If Permittee fails to submit a request to extend this Agreement prior to its expiration, Permittee must submit a new notification and notification fee before beginning or continuing the project this Agreement covers (Fish & G. Code § 1605, subd. (f)).

EFFECTIVE DATE

This Agreement becomes effective on the date of CDFW's signature, which shall be: 1) after Permittee's signature; 2) after CDFW complies with all applicable requirements under the California Environmental Quality Act (CEQA); and 3) after payment of the applicable Fish and Game Code section 711.4 filing fee listed at <https://www.wildlife.ca.gov/Conservation/CEQA/Fees>.

TERM

This Agreement shall **expire five (5) years** from the date signed by CDFW. All provisions in this Agreement shall remain in force throughout its term. Permittee shall remain responsible for implementing any provisions specified herein to protect fish and wildlife resources after this Agreement expires or is terminated, as Fish and Game Code section 1605, subdivision (a)(2) requires.

EXHIBITS

The documents listed below are included as exhibits to this Agreement and incorporated herein by reference.

Exhibit A. Project Location
Exhibit B. Project Plans
Exhibit C: Permanent Impact Area

AUTHORITY

If the person signing this Agreement (signatory) is doing so as a representative of Permittee, the signatory hereby acknowledges that he or she is doing so on Permittee's behalf and represents and warrants that he or she has the authority to legally bind Permittee to the provisions herein.

AUTHORIZATION

This Agreement authorizes only the project described herein. If Permittee begins or completes a project different from the project this Agreement authorizes, Permittee may be subject to civil or criminal prosecution for failing to notify CDFW in accordance with Fish and Game Code section 1602.

CONCURRENCE

The undersigned accepts and agrees to comply with all provisions contained herein.

FOR EL DORADO COUNTY, DEPARTMENT OF TRANSPORTATION

DocuSigned by:
Rafael Martinez
86A3A8CF8C1A44E...

Rafael Martinez
Director

4/22/2021

Date

FOR DEPARTMENT OF FISH AND WILDLIFE

DocuSigned by:
Kelley Barker
778EDA8AE45F4C9...

Kelley Barker
Environmental Program Manager

4/27/2021

Date

Prepared by: Caitlyn Oswalt
Environmental Scientist

Exhibit A: Project Location

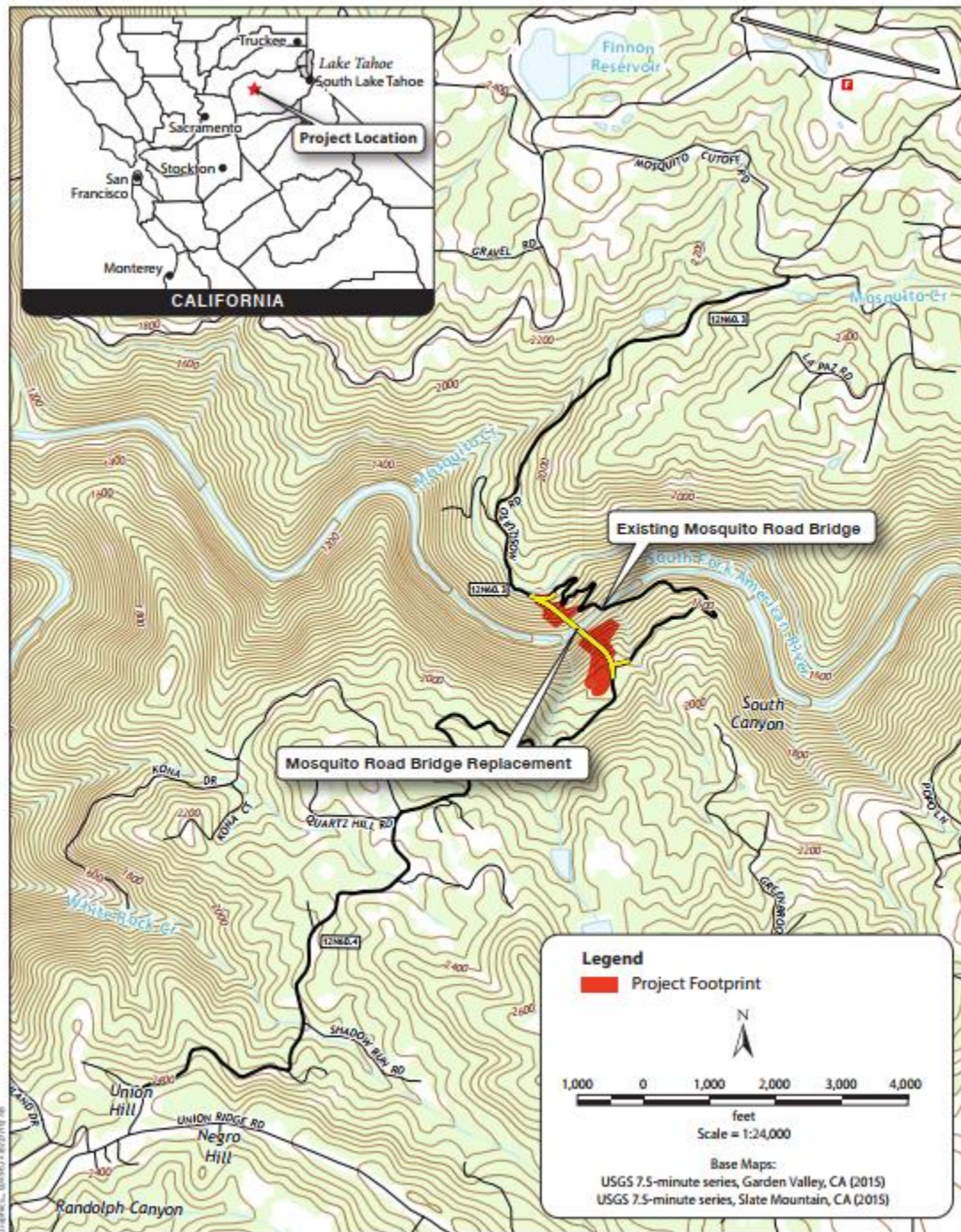


Exhibit B: Project Plans

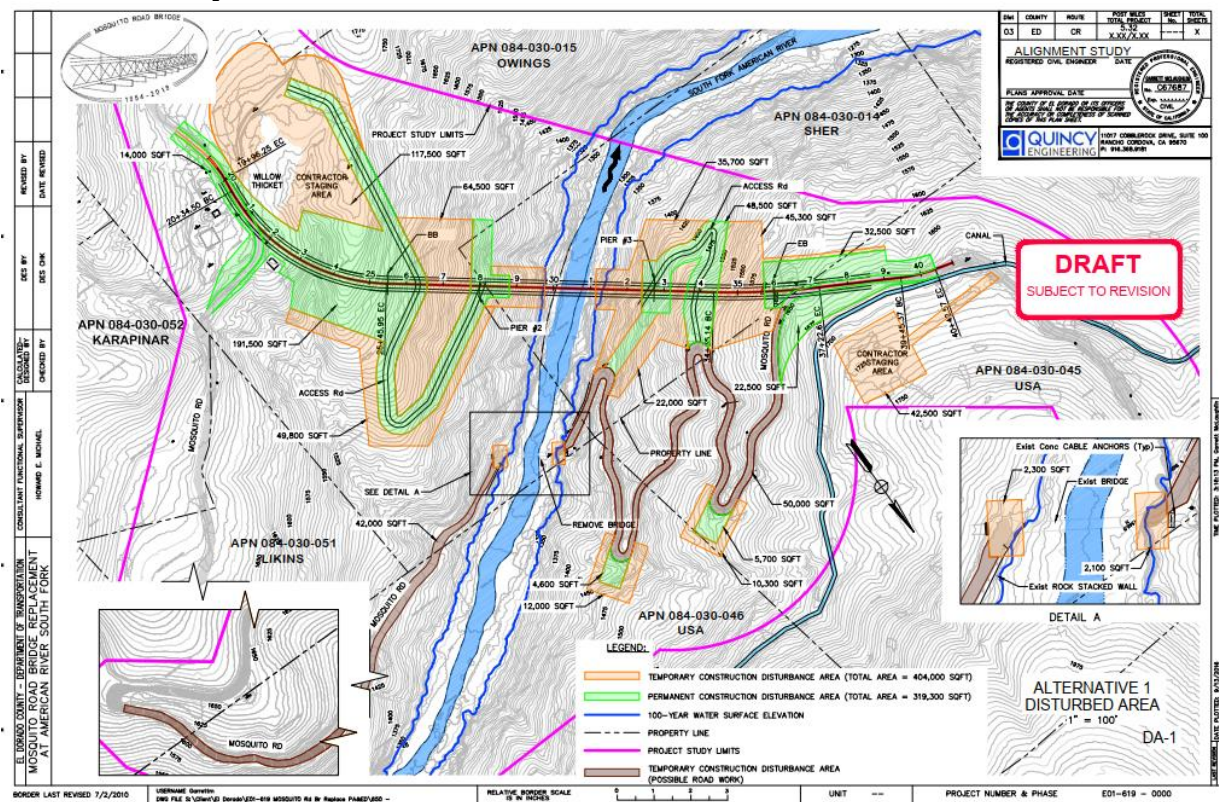
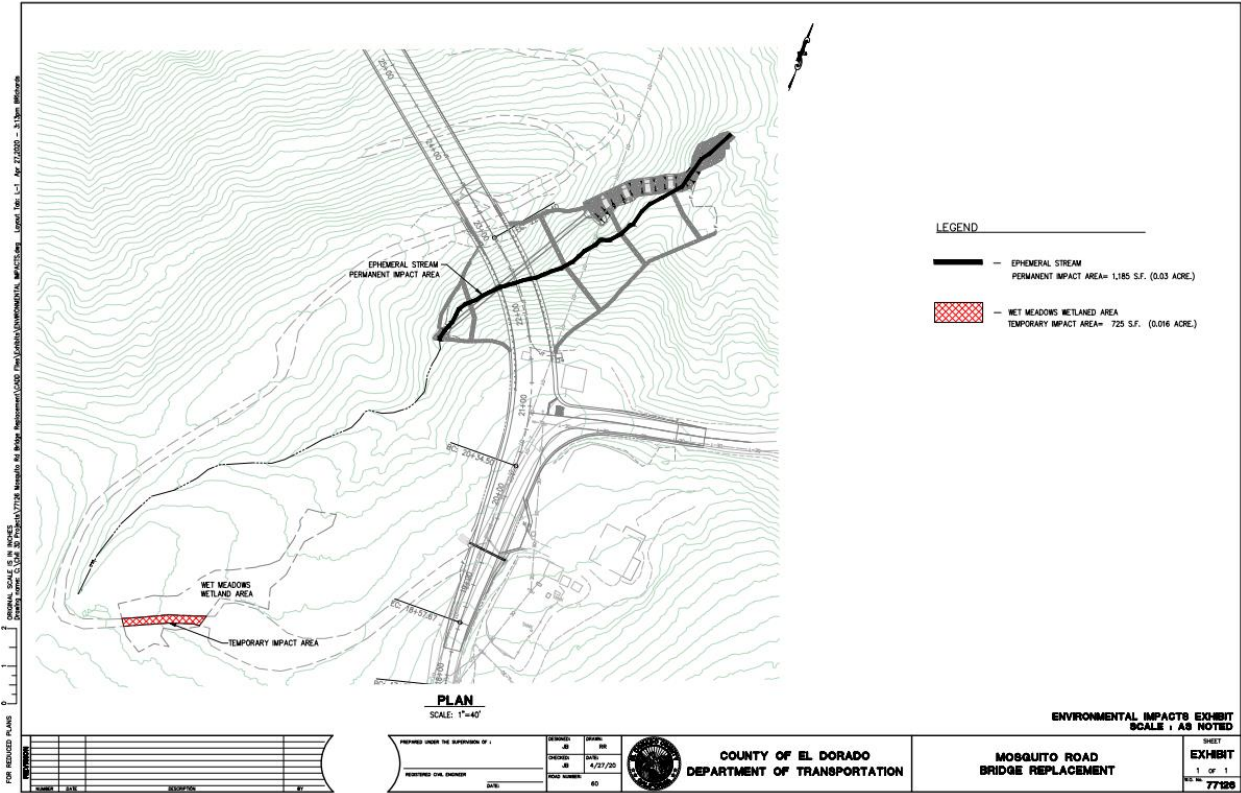


Exhibit C: Permanent Impact Area



DRAFT AGREEMENT REVISIONS:

Replace “Article 2” of the Draft Agreement with:

Article 2. CONTRACT DOCUMENTS

The Contract Documents consist of: the Notice to Bidders; the bid forms which include the accepted Proposal, Bid Price Schedule and Total Bid, Subcontractor List, DBE Information, Equal Employment Opportunity Certification, Section 10285.1 Statement, Section 10162 Questionnaire, Section 10232 Statement, Noncollusion Affidavit, Iran Contracting Act Certification, Debarment, Suspension, Ineligibility, and Voluntary Exclusion Certification, Non-lobbying Certification for Federal-Aid Contracts, Disclosure of Lobbying Activities (Standard Form LLL), Form FHWA 1273; the Contract which includes this Agreement with all Exhibits thereto, including the Fair Employment Practices Addendum and the Nondiscrimination Assurances, the Performance Bond, and Payment Bond, the Exhibit 15-G Construction Contract DBE Commitment form, Exhibit 15-H DBE Information Good Faith Efforts form; the drawings listed and identified as the Project Plans; the Special Provisions which incorporate by reference the State of California Department of Transportation (Caltrans) Standard Plans 2018, and Standard Specifications 2018, Revised Standard Specifications, and standard drawings from the [most recent](#) Design and Improvement Standards Manual [available on the County website](#); all Addenda incorporated in those documents before their execution, and all Contract Change Orders issued in accordance with the Contract Documents which may be delivered or issued after the Effective Date of this Agreement and are not attached hereto; the prevailing Labor Surcharge And Equipment Rental Rates (when required) as determined by the Caltrans to be in effect on the date the Work is accomplished; all the obligations of County and of Contractor which are fully set forth and described therein; and all Contract Documents which are hereby specifically referred to and by such reference made a part hereof. All Contract Documents are intended to cooperate so that any Work called for in one and not mentioned in the other is to be executed the same as if mentioned in all Contract Documents. Contractor agrees to perform all of its promises, covenants, and conditions set forth in the Contract Documents, and to abide by and perform all terms and conditions set forth therein. In case of conflict between this Agreement and any other Contract Document, this Agreement shall take precedence.

Replace “Partial Completion Deadlines” in “Article 4” of the Draft Agreement with:

Partial Completion Deadlines

The following partial completion deadlines apply to the project:

Work on Stage 0 must be complete within the ten (10) week closure period and have traffic safely shifted to accommodate Stage 1 traffic at the North Approach. This work must be coordinated with school schedules and closure requirements as detailed in Section 12-4.02 and Section 5-1.20.

Liquidated damages for not completing the 48" plastic pipe culvert and roadway embankment to a minimum of 2' above top of pipe from approximately 'M' Line 21+50 to 23+00 by October 15, 2022 are **\$10,000** per day. This work also includes completion of all pertinent work activities within and/or adjacent to waterways, such as restoration, temporary and/or permanent erosion control, rock slope protection, etc.

EXHIBIT A
CONTRACTOR'S BID AND BID PRICE SCHEDULE
MOSQUITO ROAD AT SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT
CONTRACT NO. 5084, CIP NO. 36105028 (77126)

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE (IN FIGURES)	ITEM TOTAL (IN FIGURES)
BASE BID (SCHEDULE A)						
1	072007A	Excavation Safety	LS	1		
2	080050	Progress Schedule (Level 3 Critical Path Method)	LS	1		
3	100100	Develop Water Supply	LS	1		
4	120090	Construction Area Signs	LS	1		
5	120100	Traffic Control System	LS	1		
6	128652	Portable Changeable Message Sign	LS	1		
7	129000	Temporary Railing (Type K)	LF	520		
8	129110	Temporary Crash Cushion	EA	5		
9	130100	Job Site Management	LS	1		
10	130300	Prepare Storm Water Pollution Prevention Plan	LS	1		
11	130310	Rain Event Action Plan	EA	20	500.00	10,000.00
12	130320	Storm Water Sampling and Analysis Day	EA	20	500.00	10,000.00

13		130330	Storm Water Annual Report	EA	2	2,000.00	4,000.00
14		149001A	Prepare Fugitive Dust Control Plan	LS	1		
15		160110	Temporary High-Visibility Fence	LF	4,700		
16		160120	Tree Removal	EA	165		
17		170103	Clearing and Grubbing	LS	1		
18	F	190101	Roadway Excavation	CY	5,788		
19		190185	Shoulder Backing	TON	60		
20	F	192003	Structure Excavation (Bridge)	CY	822		
21		192004	Supplemental Structure Excavation and Backfill	CY	300		
22	F	192035	Structure Excavation (Rock)	CY	902		
23	F	192049	Structure Excavation (Soldier Pile Wall)	CY	60		
24	F	192055	Structure Excavation (Soil Nail Wall)	CY	8,180		
25	F	193000	Backfill (Pier)	CY	2,410		
26	F	193003	Structure Backfill (Bridge)	CY	1,357		
27	F	193028	Structure Backfill (Soil Nail Wall)	CY	31		
28	F	193029	Structure Backfill (Soldier Pile Wall)	CY	87		
29	F	193116	Concrete Backfill (Soldier Pile Wall)	CY	103		
30	F	193119	Lean Concrete Backfill	CY	20		

31		194001	Ditch Excavation	CY	89		
32	F	198010	Imported Borrow	CY	11,801		
33		198250	Geosynthetic Reinforcement	SQYD	950		
34		19XXXX	Construct Access	LS	1		
35		210270	Rolled Erosion Control Product (Netting)	SQFT	33,000		
36		210350	Fiber Rolls	LF	2,500		
37		210430	Hydroseed (3-Step)	SQFT	60,000		
38		260203	Class 2 Aggregate Base	CY	1,520		
39		390132	Hot Mix Asphalt (Type A, PG 64-16)	TON	1,400		
40		394073	Place Hot Mix Asphalt Dike (Type A)	LF	200		
41		398200	Cold Plane Asphalt Concrete Pavement	SQYD	300		
42	F	460220	Ground Anchor (T = 100 Kips)	EA	121		
43	F	460230	Ground Anchor (T = 210 Kips)	EA	111		
44	F	460300	Soil Nail	LF	5,721		
45	F	490311	Steel Soldier Pile (HP 12 x 74)	LF	1279		
46	F	490400	24" Drilled Hole	LF	1058		
47		490604	30" Cast-In-Drilled-Hole Concrete Piling	LF	317		
48		500001	Prestressing Cast-In-Place Concrete	LS	1		

49	F	510051	Structural Concrete, Bridge (Footing)	CY	2,231		
50	F	510052	Structural Concrete, Bridge (Pier)	CY	2,396		
51	F	510053	Structural Concrete, Bridge (Abutments)	CY	282		
52	F	510054	Structural Concrete, Bridge (Polymer Fiber)	CY	2,411		
53	F	510055	Structural Concrete, Bridge (Box Girder)	CY	4,031		
54	F	510060	Structural Concrete, Retaining Wall	CY	405		
55	F	510085	Structural Concrete, Approach Slab (Type EQ Modified)	CY	27		
56		518051	PTFE Spherical Bearing	EA	4		
57		519107	Joint Seal Assembly (MR 10")	LF	71		
58	F	520102	Bar Reinforcing Steel (Bridge)	LB	2,098,350		
59	F	520103	Bar Reinforcing Steel (Retaining Wall)	LB	174,767		
60	F	520110	Bar Reinforcing Steel (Epoxy Coated) (Bridge)	LB	569,037		
61	F	520120	Headed Bar Reinforcement	EA	12,136		
62	F	530050	Sculpted Shotcrete	SQFT	10,355		
63	F	530100	Shotcrete	CY	545		
64	F	530200	Structural Shotcrete	CY	600		
65	F	575004	Timber Lagging	MFBM	9.2		
66		590120	Clean And Paint Steel Soldier Piling	LS	1		

67		600037	Prepare Concrete Bridge Deck Surface	SQFT	40,120		
68	F	600041	Furnish Polyester Concrete Overlay	CF	3,343		
69	F	600043	Place Polyester Concrete Overlay	SQFT	40,120		
70		641107	18" Plastic Pipe	LF	281		
71		641131	48" Plastic Pipe	LF	188		
72		698100A	18" Plastic Pipe Downdrain (Fusion Welded)	LF	599		
73		703450	Welded Steel Pipe Casing (Bridge)	LF	40		
74		705011	18" Steel Flared End Section	EA	1		
75		705031	48" Steel Flared End Section	EA	2		
76		707117	36" Precast Concrete Pipe Inlet (Type OCPI or GCP)	EA	3		
77		707117A	Drainage Inlet	EA	3		
78		707125	48" Precast Concrete Pipe Inlet (Type OCPI or GCP)	EA	4		
79		707217	36" Precast Concrete Pipe Manhole	EA	1		
80		710136	Remove Pipe	LF	32		
81	F	721420	Concrete (Ditch Lining)	CY	27		
82		723055A	Rock Slope Protection (1/4 T, Class V, Method A)	TON	76		
83		723065A	Rock Slope Protection (300 lb, Class IV, Method A)	TON	644		
84		723075	Rock Slope Protection (150 lb, Class III, Method B)	TON	3,486		

85		723088	Rock Slope Protection (60 lb, Class II, Method B)	TON	299		
86		723125	Concreted-Rock Slope Protection (Class III, Method A)	TON	59		
87	F	730045	Minor Concrete (Gutter)	CY	5		
88	F	750501	Miscellaneous Metal (Bridge)	LB	13,900		
89	F	780445	Prepare and Stain Shotcrete	SQFT	10,355		
90		780446	Stain Galvanized Surfaces	LS	1		
91		780600	Inclinometers	EA	8		
92		810180A	Delineator (Type E/Class 2, Barrier Mounted, or Culvert Marker)	EA	29		
93		820840A	Roadside Sign - One Post, Two Post, or Barrier Mounted	EA	34		
94		832006	Midwest Guardrail System (Steel Post)	LF	290		
95		832070	Vegetation Control (Minor Concrete)	SQYD	250		
96	F	833090	Tubular Handrailing (Modified)	LF	2,666		
97	F	839521	Cable Railing	LF	629		
98		839540	Transition Railing (Type STB)	EA	1		
99		839543	Transition Railing (Type WB-31)	EA	3		
100		839584A	MASH In-Line Terminal System	EA	5		
101	F	839700	Concrete Barrier (Type 85 Modified)	LF	2,678		
102		840505	6" Thermoplastic Traffic Stripe	LF	8,000		

103		840515	Thermoplastic Pavement Markings	SQFT	100		
104		999990	Mobilization	LS	1		
PIER 2 ALTERNATIVE BID (SCHEDULE B)							
P2B1		490605	36" Cast-In-Drilled-Hole Concrete Piling	LF	2,389		
P2B2	F	520102	Bar Reinforcing Steel (Bridge)	LB	118,639		
P2B3	F	500030	HS Bar	LB	54,120		
PIER 2 ALTERNATIVE BID (SCHEDULE C)							
P2C1		490607	48" Cast-In-Drilled-Hole Concrete Piling	LF	1,538		
P2C2	F	520102	Bar Reinforcing Steel (Bridge)	LB	154,921		
P2C3	F	500030	HS Bar	LB	25,256		
PIER 2 ALTERNATIVE BID (SCHEDULE D)							
P2D1		490609	60" Cast-In-Drilled-Hole Concrete Piling	LF	965		
P2D2	F	520102	Bar Reinforcing Steel (Bridge)	LB	141,375		
P2D3	F	500030	HS Bar	LB	17,130		
PIER 3 ALTERNATIVE BID (SCHEDULE E)							
P3E1		490605	36" Cast-In-Drilled-Hole Concrete Piling	LF	1,899		
P3E2	F	520102	Bar Reinforcing Steel (Bridge)	LB	99,317		
P3E3	F	500030	HS Bar	LB	54,120		
PIER 3 ALTERNATIVE BID (SCHEDULE F)							
P3F1		490607	48" Cast-In-Drilled-Hole Concrete Piling	LF	1,244		

P3F2	F	520102	Bar Reinforcing Steel (Bridge)	LB	130,723		
P3F3	F	500030	HS Bar	LB	25,256		
PIER 3 ALTERNATIVE BID (SCHEDULE G)							
P3G1		490609	60" Cast-In-Drilled-Hole Concrete Piling	LF	809		
P3G2	F	520102	Bar Reinforcing Steel (Bridge)	LB	122,208		
P3G3	F	500030	HS Bar	LB	17,130		
PIER 3 ALTERNATIVE BID (SCHEDULE H)							
P3H1		495000	Micropile	EA	154		
Total Bid:							

(F) Final Pay Quantity
(LS) Lump Sum

EXHIBIT E

FEDERAL WAGE RATES

"General Decision Number: CA20220007
02/04/2022

Superseded General Decision Number:
CA20210007

State: California

Construction Types: Building, Heavy (Heavy
and Dredging) and
Highway

Counties: Alpine, Amador, Butte, Colusa, El
Dorado, Glenn,
Lassen, Marin, Modoc, Napa, Nevada, Placer,
Plumas, Sacramento,
Shasta, Sierra, Siskiyou, Solano, Sonoma,
Sutter, Tehama,
Trinity, Yolo and Yuba Counties in
California.

BUILDING CONSTRUCTION PROJECTS (excluding
Amador County only);
DREDGING CONSTRUCTION PROJECTS (does not
include hopper dredge
work); HEAVY CONSTRUCTION PROJECTS (does not
include water well
drilling); AND HIGHWAY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon
Act are generally
required to pay at least the applicable
minimum wage rate
required under Executive Order 14026 or
Executive Order 13658.
Please note that these Executive Orders
apply to covered
contracts entered into by the federal
government that
are subject to the Davis-Bacon Act itself,
but do not apply to
contracts subject only to the Davis-Bacon
Related Acts,
including those set forth at 29 CFR
5.1(a)(2)-(60).

If the contract is entered into on or after
January 30, 2022,
or the contract is renewed or extended
(e.g., an option is
exercised) on or after January 30, 2022,
Executive Order 14026
generally applies to the contract. The
contractor must pay all
covered workers at least \$15.00 per hour (or
the applicable
wage rate listed on this wage determination,
if it is higher)
for all hours spent performing on that
contract in 2022.

If the contract was awarded on or between
January 1, 2015 and
January 29, 2022, and the contract is not
renewed or extended
on or after January 30, 2022, Executive
Order 13658 generally

applies to the contract. The contractor must
pay all covered
workers at least \$11.25 per hour (or the
applicable wage rate
listed on this wage determination, if it is
higher) for all
hours spent performing on that contract in
2022.

The applicable Executive Order minimum wage
rate will be
adjusted annually. If this contract is
covered by one of the
Executive Orders and a classification
considered necessary for
performance of work on the contract does not
appear on this
wage determination, the contractor must
still submit a
conformance request.

Additional information on contractor
requirements and worker
protections under the Executive Orders is
available at
www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/07/2022
1	01/14/2022
2	01/21/2022
3	01/28/2022
4	02/04/2022

ASBE0016-001 01/01/2021

AREA 1: MARIN, NAPA, SAN BENITO, SAN
FRANCISCO, SOLANO, &
SONOMA COUNTIES

AREA 2: ALPINE, AMADOR, BUTTE, COLUSA, EL
DORADO, GLENN,
MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO,
SHASTA, SIERRA,
SISKIYOU, SUTTER, TEHEMA, TRINITY, YOLO, &
YUBA COUNTIES

	Rates
Fringes	
Asbestos Workers/Insulator (Includes the application of all insulating materials, Protective Coverings, Coatings, and Finishes to all types of mechanical systems)	
Area 1.....	\$ 74.16
23.58	
Area 2.....	\$ 46.81
33.50	

ASBE0016-007 01/01/2021	

AREA 1 : ALPINE, AMADOR, BUTTE, COLUSA, EL
DORADO, GLENN,
LASSEN, MODOC, NEVADA, PLACER, PLUMAS,
SACRAMENTO, SHASTA,
SIERRA, SISKIYOU, SOLANO, SONOMA, SUTTER,
TEHAMA, TRINITY, YOLO
& YUBA COUNTIES

AREA 2: MARIN & NAPA COUNTIES

Rates

Fringes

Asbestos Removal
worker/hazardous material
handler (Includes
preparation, wetting,
stripping, removal,
scrapping, vacuuming, bagging
and disposing of all
insulation materials from
mechanical systems, whether
they contain asbestos or not)

AREA 1.....\$ 30.45
10.60
AREA 2.....\$ 36.53
9.27

BOIL0549-002 01/01/2021

Rates

Fringes

BOILERMAKER

(1) Marin & Solano Counties.\$ 49.62
41.27
(2) Remaining Counties.....\$ 45.60
38.99

BRCA0003-001 08/01/2021

Rates

Fringes

MARBLE FINISHER.....\$ 37.72
17.64

BRCA0003-004 05/01/2021

AREA 1: ALPINE, AMADOR, BUTTE, COLUSA, EL
DORADO, GLENN,
LASSEN, MODOC, NEVADA, PLACER, PLUMAS,
SACRAMENTO, SHASTA,
SIERRA, SUTTER, TEHAMA, YOLO AND YUBA
COUNTIES

AREA 2: MARIN, NAPA, SISKIYOU, SOLANO,
SONOMA AND TRINITY
COUNTIES

Rates

Fringes

BRICKLAYER

AREA 1.....\$ 47.24
22.13
AREA 2.....\$ 49.78
27.34

SPECIALTY PAY:

(A) Underground work such as tunnel work,
sewer work,
manholes, catch basins, sewer pipes and
telephone conduit
shall be paid \$1.25 per hour above the
regular rate. Work
in direct contact with raw sewage shall
receive \$1.25 per
hour in addition to the above.

(B) Operating a saw or grinder shall
receive \$1.25 per hour

above the regular rate.
(C) Guniting nozzle person shall receive
\$1.25 per hour above
the regular rate.

BRCA0003-008 07/01/2021

Rates

Fringes

TERRAZZO FINISHER.....\$ 39.95
18.46
TERRAZZO WORKER/SETTER.....\$ 53.03
28.34

BRCA0003-010 04/01/2019

Rates

Fringes

TILE FINISHER

Area 1.....\$ 27.31
14.75
Area 2.....\$ 27.10
16.50
Area 3.....\$ 29.94
16.38
Area 4.....\$ 28.06
15.82
Tile Layer

Area 1.....\$ 45.51
17.64
Area 2.....\$ 45.15
19.06
Area 3.....\$ 49.90
19.16
Area 4.....\$ 46.77
19.08

AREA 1: Butte, Colusa, El Dorado, Glenn,
Lassen, Modoc,
Nevada, Placer, Plumas, Sacramento,
Shasta, Sierra, Sutter,
Tehama, Yolo, Yuba
AREA 2: Alpine, Amador
AREA 3: Marin, Napa, Solano, Siskiyou
AREA 4: Sonoma

BRCA0003-014 08/01/2021

Rates

Fringes

MARBLE MASON.....\$ 53.17
29.10

CARP0034-001 07/01/2021

Rates

Fringes

Diver

Assistant Tender, ROV
Tender/Technician.....\$ 54.10
34.69
Diver standby.....\$ 60.51
34.69
Diver Tender.....\$ 59.51
34.69

Diver wet.....\$ 103.62
 34.69
 Manifold Operator (mixed
 gas).....\$ 64.51
 34.69
 Manifold Operator (Standby).\$ 59.51
 34.69

DEPTH PAY (Surface Diving):
 050 to 100 ft \$2.00 per foot
 101 to 150 ft \$3.00 per foot
 151 to 220 ft \$4.00 per foot
 221 ft.-deeper \$5.00 per foot

SATURATION DIVING:
 The standby rate shall apply until
 saturation starts. The
 saturation diving rate applies when divers
 are under
 pressure continuously until work task and
 decompression are
 complete. The diver rate shall be paid for
 all saturation
 hours.

DIVING IN ENCLOSURES:
 Where it is necessary for Divers to enter
 pipes or tunnels,
 or other enclosures where there is no
 vertical ascent, the
 following premium shall be paid: Distance
 traveled from
 entrance 26 feet to 300 feet: \$1.00 per
 foot. When it is
 necessary for a diver to enter any pipe,
 tunnel or other
 enclosure less than 48" in height, the
 premium will be
 \$1.00 per foot.

WORK IN COMBINATION OF CLASSIFICATIONS:
 Employees working in any combination of
 classifications
 within the diving crew (except dive
 supervisor) in a shift
 are paid in the classification with the
 highest rate for
 that shift.

 CARP0034-003 07/01/2021

Rates
 Fringes
 Piledriver.....\$ 54.10
 34.69

 CARP0035-001 08/01/2020

AREA 1: MARIN, NAPA, SOLANO & SONOMA
 AREA 3: SACRAMENTO, WESTERN EL DORADO
 (Territory west of an
 including highway 49 and the territory
 inside the city limits
 of Placerville), WESTERN PLACER (Territory
 west of and
 including highway 49), & YOLO
 AREA 4: ALPINE, BUTTE, COLUSA, EASTERN EL
 DORADO, GLENN,
 LASSEN, MODOC, NEVADA, EASTERN PLACER,
 PLUMAS, SHASTA, SIERRA,

SISKIYOU, SUTTER, TEHAMA, TRINITY, & YUBA

Rates
 Fringes
 Drywall Installers/Lathers:
 Area 1.....\$ 52.65
 31.26
 Area 3.....\$ 47.27
 31.26
 Area 4.....\$ 45.92
 31.26
 Drywall Stocker/Scrapper
 Area 1.....\$ 26.33
 18.22
 Area 3.....\$ 23.64
 18.22
 Area 4.....\$ 22.97
 18.22

 CARP0035-009 07/01/2020

Marin County
 Rates
 Fringes
 CARPENTER
 Bridge Builder/Highway
 Carpenter.....\$ 52.65
 30.82
 Hardwood Floorlayer,
 Shingler, Power Saw
 Operator, Steel Scaffold &
 Steel Shoring Erector, Saw
 Filer.....\$ 52.80
 30.82
 Journeyman Carpenter.....\$ 52.65
 30.82
 Millwright.....\$ 52.75
 32.41

 CARP0035-010 07/01/2020

AREA 1: Marin, Napa, Solano & Sonoma
 Counties

AREA 2: Monterey, San Benito and Santa Cruz

AREA 3: Alpine, Butte, Colusa, El Dorado,
 Glenn, Lassen, Modoc,
 Nevada, Placer, Plumas, Sacramento, Shasta,
 Sierra, Siskiyou,
 Sutter, Tehama, Trinity, Yolo & Yuba
 counties

Rates
 Fringes
 Modular Furniture Installer
 Area 1
 Installer.....\$ 28.76
 22.53
 Lead Installer.....\$ 32.21
 23.03
 Master Installer.....\$ 36.43
 23.03
 Area 2
 Installer.....\$ 26.11
 22.53
 Lead Installer.....\$ 29.08
 23.03

Master Installer.....\$ 32.71
 23.03
 Area 3
 Installer.....\$ 25.16
 22.53
 Lead Installer.....\$ 27.96
 23.03
 Master Installer.....\$ 31.38
 23.03

CARP0046-001 07/01/2021
 El Dorado (West), Placer (West), Sacramento
 and Yolo Counties

Rates

Fringes

Carpenters
 Bridge Builder/Highway
 Carpenter.....\$ 54.85
 31.49
 Hardwood Floorlayer,
 Shingler, Power Saw
 Operator, Steel Scaffold &
 Steel Shoring Erector, Saw
 Filer.....\$ 49.12
 31.49
 Journeyman Carpenter.....\$ 48.97
 31.49
 Millwright.....\$ 51.47
 33.08

Footnote: Placer County (West) includes
 territory West of and
 including Highway 49 and El Dorado County
 (West) includes
 territory West of and including Highway 49
 and territory
 inside the city limits of Placerville.

CARP0046-002 07/01/2021
 Alpine, Colusa, El Dorado (East), Nevada,
 Placer (East),
 Sierra, Sutter and Yuba Counties

Rates

Fringes

Carpenters
 Bridge Builder/Highway
 Carpenter.....\$ 54.85
 31.49
 Hardwood Floorlayer,
 Shingler, Power Saw
 Operator, Steel Scaffold &
 Steel Shoring Erector, Saw
 Filer.....\$ 47.77
 31.49
 Journeyman Carpenter.....\$ 47.62
 31.49
 Millwright.....\$ 50.12
 33.08

CARP0152-003 07/01/2020
 Amador County

Rates

Fringes

Carpenters
 Bridge Builder/Highway
 Carpenter.....\$ 52.65
 30.82
 Hardwood Floorlayer,
 Shingler, Power Saw
 Operator, Steel Scaffold &
 Steel Shoring Erector, Saw
 Filer.....\$ 45.57
 30.82
 Journeyman Carpenter.....\$ 45.42
 30.82
 Millwright.....\$ 47.92
 32.41

CARP0180-001 07/01/2021
 Solano County

Rates

Fringes

Carpenters
 Bridge Builder/Highway
 Carpenter.....\$ 54.85
 31.49
 Hardwood Floorlayer,
 Shingler, Power Saw
 Operator, Steel Scaffold &
 Steel Shoring Erector, Saw
 Filer.....\$ 55.00
 31.49
 Journeyman Carpenter.....\$ 54.85
 31.49
 Millwright.....\$ 54.95
 33.08

CARP0751-001 07/01/2021
 Napa and Sonoma Counties

Rates

Fringes

Carpenters
 Bridge Builder/Highway
 Carpenter.....\$ 54.85
 31.49
 Hardwood Floorlayer,
 Shingler, Power Saw
 Operator, Steel Scaffold &
 Steel Shoring Erector, Saw
 Filer.....\$ 55.00
 31.49
 Journeyman Carpenter.....\$ 54.85
 31.49
 Millwright.....\$ 54.95
 33.08

CARP1599-001 07/01/2020
 Butte, Glenn, Lassen, Modoc, Plumas, Shasta,
 Siskiyou, Tehama
 and Trinity Counties

Rates

Fringes

Carpenters
 Bridge Builder/Highway

Carpenter.....\$ 52.65
 30.82
 Hardwood Floorlayer,
 Shingler, Power Saw
 Operator, Steel Scaffold &
 Steel Shoring Erector, Saw
 Filer.....\$ 45.57

30.82
 Journeyman Carpenter.....\$ 45.42

30.82
 Millwright.....\$ 47.92
 32.41

ELEC0180-001 06/01/2021

NAPA AND SOLANO COUNTIES

Rates
 Fringes

CABLE SPLICER.....\$ 59.69
 3%+24.38

ELECTRICIAN.....\$ 53.06
 3%+24.38

* ELEC0180-003 12/01/2021

NAPA AND SOLANO COUNTIES

Rates
 Fringes

Sound & Communications
 Installer.....\$ 43.71

3%+22.65
 Technician.....\$ 50.27

3%+22.65

SCOPE OF WORK INCLUDES-

SOUND & VOICE TRANSMISSION (Music,

Intercom, Nurse Call,

Telephone); FIRE ALARM SYSTEMS [excluding

fire alarm work

when installed in raceways (including wire

and cable

pulling) and when performed on new or

major remodel

building projects or jobs],

TELEVISION & VIDEO SYSTEMS, SECURITY

SYSTEMS, COMMUNICATIONS

SYSTEMS that transmit or receive

information and/or control

systems that are intrinsic to the above.

EXCLUDES-

Excludes all other data systems or

multiple systems which

include control function or power supply;

excludes

installation of raceway systems, line

voltage work,

industrial work, life-safety systems (all

buildings having

floors located more than 75' above the

lowest floor level

having building access); excludes energy

management

systems.

ELEC0340-002 02/01/2018

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO,
 GLENN, LASSEN,
 NEVADA, PLACER, PLUMAS, SACRAMENTO, TRINITY,
 YOLO, YUBA COUNTIES

Rates

Fringes

Communications System

Sound & Communications

Installer.....\$ 29.35

3%+15.35

Sound & Communications

Technician.....\$ 33.75

3%+15.35

SCOPE OF WORK

Includes the installation testing, service
 and maintenance,

of the following systems which utilize the
 transmission

and/or transference of voice, sound,
 vision and digital for

commercial, education, security and
 entertainment purposes

for the following TV monitoring and
 surveillance,

background-foreground music, intercom and
 telephone

interconnect, inventory control systems,
 microwave

transmission, multi-media, multiplex,
 nurse call system,

radio page, school intercom and sound,
 burglar alarms, and

low voltage master clock systems.

A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE
 SYSTEMS

Background foreground music Intercom and
 telephone

interconnect systems, Telephone systems,
 Nurse call

systems, Radio page systems, School
 intercom and sound

systems, Burglar alarm systems, Low
 voltage master clock

systems, Multi-media/multiplex systems,
 Sound and musical

entertainment systems, RF systems,
 Antennas and Wave Guide.

B. FIRE ALARM SYSTEMS
 Installation, wire pulling and testing

C. TELEVISION AND VIDEO SYSTEMS
 Television monitoring and

surveillance systems, Video security
 systems, Video

entertainment systems, Video educational
 systems, Microwave

transmission systems, CATV and CCTV

D. SECURITY SYSTEMS Perimeter security
 systems

Vibration sensor systems Card access
 systems Access

control systems Sonar/infrared
 monitoring equipment

E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR
 RECEIVE

INFORMATION AND/OR CONTROL SYSTEMS THAT
 ARE INTRINSIC TO

THE ABOVE LISTED SYSTEMS SCADA
(Supervisory Control and
Data Acquisition) PCM (Pulse Code
Modulation)
Inventory Control Systems Digital Data
Systems
Broadband and Baseband and Carriers
Point of Sale
Systems VSAT Data Systems Data
Communication
Systems RF and Remote Control Systems
Fiber Optic
Data Systems WORK EXCLUDED Raceway
systems are not covered
(excluding Ladder-Rack for the purpose of
the above listed
systems). Chases and/or nipples (not to
exceed 10 feet)
may be installed on open wiring systems.
Energy management
systems. SCADA (Supervisory Control and
Data Acquisition)
when not intrinsic to the above listed
systems (in the
scope). Fire alarm systems when installed
in raceways
(including wire and cable pulling) shall
be performed at
the electrician wage rate, when either of
the following two
(2) conditions apply:
1. The project involves new or major
remodel building trades
construction.
2. The conductors for the fire alarm
system are installed in
conduit.

ELEC0340-003 06/01/2021

ALPINE (West of Sierra Mt. Watershed),
AMADOR, BUTTE, COLUSA,
EL DORADO (West of Sierra Mt. Watershed),
GLENN, LASSEN, NEVADA
(West of Sierra Mt. Watershed), PLACER,
PLUMAS, SACRAMENTO,
SHASTA, SIERRA (West of Sierra Mt.
Watershed), SUTTER, TEHAMA,
TRINITY, YOLO & YUBA COUNTIES

	Rates
Fringes	
ELECTRICIAN	
Remaining area.....	\$ 41.56
32.49	
Sierra Army Depot, Herlong..	\$ 48.83
18.54	
Tunnel work.....	\$ 41.01
18.54	

CABLE SPLICER: Receives 110% of the
Electrician basic hourly
rate.

ELEC0401-005 01/01/2022

ALPINE (east of the main watershed divide),
EL DORADO (east of
the main watershed divide), NEVADA (east of
the main

watershed), PLACER (east of the main
watershed divide) and
SIERRA (east of the main watershed divide)
COUNTIES:

	Rates
Fringes	
ELECTRICIAN.....	\$ 42.50
20.95	

ZONE RATE:

70-90 miles - \$8.00 per hour
91+ miles - \$10.00 per hour

ELEC0551-004 06/01/2021

MARIN AND SONOMA COUNTIES

	Rates
Fringes	
ELECTRICIAN.....	\$ 53.90
26.47	

ELEC0551-005 12/01/2021

MARIN & SONOMA COUNTIES

	Rates
Fringes	
Sound & Communications	
Installer.....	\$ 43.71
23.96	
Technician.....	\$ 50.27
24.16	

SCOPE OF WORK INCLUDES-
SOUND & VOICE TRANSMISSION (Music,
Intercom, Nurse Call,
Telephone); FIRE ALARM SYSTEMS [excluding
fire alarm work
when installed in raceways (including wire
and cable
pulling) and when performed on new or
major remodel
building projects or jobs],
TELEVISION & VIDEO SYSTEMS, SECURITY
SYSTEMS, COMMUNICATIONS
SYSTEMS that transmit or receive
information and/or control
systems that are intrinsic to the above.

EXCLUDES-
Excludes all other data systems or
multiple systems which
include control function or power supply;
excludes
installation of raceway systems, line
voltage work,
industrial work, life-safety systems (all
buildings having
floors located more than 75' above the
lowest floor level
having building access); excludes energy
management
systems.

ELEC0659-006 01/01/2021
 DEL NORTE, MODOC and SISKIYOU COUNTIES

	Rates
Fringes	
ELECTRICIAN.....	\$ 38.49
17.74	

ELEC0659-008 02/01/2020	

DEL NORTE, MODOC & SISKIYOU COUNTIES

	Rates
Fringes	
Line Construction	
(1) Cable Splicer.....	\$ 60.28
4.5%+19.40	
(2) Lineman, Pole Sprayer, Heavy Line Equipment Man....	\$ 53.82
4.5%+19.40	
(3) Tree Trimmer.....	\$ 37.84
4.5%+14.30	
(4) Line Equipment Man.....	\$ 53.82
4.5%+19.40	
(5) Powdermen, Jackhammermen.....	\$ 40.37
4.5%+14.30	
(6) Groundman.....	\$ 33.37
4.5%+14.30	

ELEC1245-004 01/01/2022	
ALL COUNTIES EXCEPT DEL NORTE, MODOC & SISKIYOU	

	Rates
Fringes	
LINE CONSTRUCTION	
(1) Lineman; Cable splicer..	\$ 60.19
22.07	
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....	\$ 48.08
20.86	
(3) Groundman.....	\$ 36.76
20.46	
(4) Powderman.....	\$ 51.87
18.79	
HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day	

ELEV0008-001 01/01/2022	

	Rates
Fringes	
ELEVATOR MECHANIC.....	\$ 74.54
36.885+a+b	

FOOTNOTE:
 a. PAID VACATION: Employer contributes 8%
 of regular hourly
 rate as vacation pay credit for employees
 with more than 5
 years of service, and 6% for 6 months to 5
 years of service.
 b. PAID HOLIDAYS: New Year's Day, Memorial
 Day, Independence
 Day, Labor Day, Veterans' Day,
 Thanksgiving Day, Friday
 after Thanksgiving, and Christmas Day.

 ENGI0003-008 07/20/2020

	Rates
Fringes	
Dredging: (DREDGING: CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING:)	
AREA 1:	
(1) Leverman.....	\$ 49.88
34.35	
(2) Dredge Dozer; Heavy duty repairman.....	\$ 44.92
34.35	
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....	\$ 43.80
34.35	
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..	\$ 40.50
34.35	
AREA 2:	
(1) Leverman.....	\$ 51.88
34.35	
(2) Dredge Dozer; Heavy duty repairman.....	\$ 46.92
34.35	
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....	\$ 45.80
34.35	
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..	\$ 42.50
34.35	

AREA DESCRIPTIONS

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA,
 KINGS, MARIN, MERCED,
 NAPA, SACRAMENTO, SAN BENITO, SAN
 FRANCISCO, SAN JOAQUIN,
 SAN MATEO, SANTA CLARA, SANTA CRUZ,
 SOLANO, STANISLAUS,
 SUTTER, YOLO, AND YUBA COUNTIES

AREA 2: MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN
 AREA 1 AND AREA 2
 AS NOTED BELOW:

ALPINE COUNTY:
 Area 1: Northernmost part
 Area 2: Remainder

CALAVERAS COUNTY:
 Area 1: Remainder

Area 2: Eastern part

COLUSA COUNTY:

Area 1: Eastern part

Area 2: Remainder

ELDORADO COUNTY:

Area 1: North Central part

Area 2: Remainder

FRESNO COUNTY:

Area 1: Remainder

Area 2: Eastern part

GLENN COUNTY:

Area 1: Eastern part

Area 2: Remainder

LASSEN COUNTY:

Area 1: Western part along the Southern
portion of border
with Shasta County

Area 2: Remainder

MADERA COUNTY:

Area 1: Except Eastern part

Area 2: Eastern part

MARIPOSA COUNTY

Area 1: Except Eastern part

Area 2: Eastern part

MONTERREY COUNTY

Area 1: Except Southwestern part

Area 2: Southwestern part

NEVADA COUNTY:

Area 1: All but the Northern portion
along the border of
Sierra County

Area 2: Remainder

PLACER COUNTY:

Area 1: All but the Central portion

Area 2: Remainder

PLUMAS COUNTY:

Area 1: Western portion

Area 2: Remainder

SHASTA COUNTY:

Area 1: All but the Northeastern corner

Area 2: Remainder

SIERRA COUNTY:

Area 1: Western part

Area 2: Remainder

SISKIYOU COUNTY:

Area 1: Central part

Area 2: Remainder

SONOMA COUNTY:

Area 1: All but the Northwestern corner

Area 2: Remainder

TEHAMA COUNTY:

Area 1: All but the Western border with
Mendocino & Trinity
Counties

Area 2: Remainder

TRINITY COUNTY:

Area 1: East Central part and the
Northeastern border with
Shasta County

Area 2: Remainder

TUOLUMNE COUNTY:

Area 1: Except Eastern part

Area 2: Eastern part

ENGI0003-019 06/29/2020

SEE AREA DESCRIPTIONS BELOW

	Rates
Fringes	
OPERATOR: Power Equipment (LANDSCAPE WORK ONLY)	
GROUP 1	
AREA 1.....	\$ 39.95
30.28	
AREA 2.....	\$ 41.95
30.28	
GROUP 2	
AREA 1.....	\$ 36.35
30.28	
AREA 2.....	\$ 38.35
30.28	
GROUP 3	
AREA 1.....	\$ 31.74
30.28	
AREA 2.....	\$ 33.74
30.28	

GROUP DESCRIPTIONS:

GROUP 1: Landscape Finish Grade Operator:
All finish grade
work regardless of equipment used, and all
equipment with a
rating more than 65 HP.

GROUP 2: Landscape Operator up to 65 HP:
All equipment with
a manufacturer's rating of 65 HP or less
except equipment
covered by Group 1 or Group 3. The
following equipment
shall be included except when used for
finish work as long
as manufacturer's rating is 65 HP or less:
A-Frame and
Winch Truck, Backhoe, Forklift,
Hydragraphic Seeder
Machine, Roller, Rubber-Tired and Track
Earthmoving
Equipment, Skiploader, Straw Blowers, and
Trencher 31 HP up
to 65 HP.

GROUP 3: Landscap Utility Operator: Small
Rubber-Tired
Tractor, Trencher Under 31 HP.

AREA DESCRIPTIONS:

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA,
KINGS, MARIN, MERCED,
NAPA, SACRAMENTO, SAN BENITO, SAN
FRANCISCO, SAN JOAQUIN,
SAN MATEO, SANTA CLARA, SANTA CRUZ,
SOLANO, STANISLAUS,
SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN
AREA 1 AND AREA 2 AS
NOTED BELOW:

ALPINE COUNTY:

Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:

Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:

Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:

Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:

Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY

Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:

Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:

Area 1: Except Eastern and Southwestern
parts
Area 2: Remainder

LAKE COUNTY:

Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:

Area 1: Western part along the Southern
portion of border
with Shasta County
Area 2: Remainder

MADERA COUNTY

Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY

Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:

Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY

Area 1: Remainder
Area 2: Southwestern part

NEVADA COUNTY:

Area 1: All but the Northern portion along
the border of
Sierra County
Area 2: Remainder

PLACER COUNTY:

Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:

Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:

Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:

Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:

Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:

Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:

Area 1: All but the Western border with
mendocino & Trinity
Counties
Area 2: Remainder

TRINITY COUNTY:

Area 1: East Central part and the
Northeaster border with
Shasta County
Area 2: Remainder

TULARE COUNTY;

Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:

Area 1: Remainder
Area 2: Eastern Part

ENGI0003-038 06/29/2020

"AREA 1" WAGE RATES ARE LISTED BELOW

"AREA 2" RECEIVES AN ADDITIONAL \$2.00 PER
HOUR ABOVE AREA 1
RATES.

SEE AREA DEFINITIONS BELOW

	Rates
Fringes	
OPERATOR: Power Equipment (AREA 1:)	
GROUP 1.....	\$ 51.42
31.15	
GROUP 2.....	\$ 49.89
31.15	
GROUP 3.....	\$ 48.41
31.15	
GROUP 4.....	\$ 47.03
31.15	
GROUP 5.....	\$ 45.76
31.15	
GROUP 6.....	\$ 44.44
31.15	
GROUP 7.....	\$ 43.30
31.15	
GROUP 8.....	\$ 42.16
31.15	
GROUP 8-A.....	\$ 39.95
31.15	
OPERATOR: Power Equipment (Cranes and Attachments - AREA 1:)	

GROUP 1
 31.15 Cranes.....\$ 52.30
 31.15 Oiler.....\$ 43.79
 31.15 Truck crane oiler.....\$ 46.08
 31.15 GROUP 2
 31.15 Cranes.....\$ 50.54
 31.15 Oiler.....\$ 42.83
 31.15 Truck crane oiler.....\$ 45.07
 31.15 GROUP 3
 31.15 Cranes.....\$ 48.80
 31.15 Hydraulic.....\$ 44.44
 31.15 Oiler.....\$ 42.55
 31.15 Truck crane oiler.....\$ 44.83
 31.15 GROUP 4
 31.15 Cranes.....\$ 45.76
 OPERATOR: Power Equipment
 (Piledriving - AREA 1:)
 GROUP 1
 31.15 Lifting devices.....\$ 52.64
 31.15 Oiler.....\$ 43.38
 31.15 Truck Crane Oiler.....\$ 45.66
 31.15 GROUP 2
 31.15 Lifting devices.....\$ 50.82
 31.15 Oiler.....\$ 43.11
 31.15 Truck Crane Oiler.....\$ 45.41
 31.15 GROUP 3
 31.15 Lifting devices.....\$ 49.14
 31.15 Oiler.....\$ 42.89
 31.15 Truck Crane Oiler.....\$ 45.12
 31.15 GROUP 4
 31.15 Lifting devices.....\$ 47.37
 31.15 GROUP 5
 31.15 Lifting devices.....\$ 44.73
 31.15 GROUP 6
 31.15 Lifting devices.....\$ 42.50
 OPERATOR: Power Equipment
 (Steel Erection - AREA 1:)
 GROUP 1
 31.15 Cranes.....\$ 53.27
 31.15 Oiler.....\$ 43.72
 31.15 Truck Crane Oiler.....\$ 45.95
 31.15 GROUP 2
 31.15 Cranes.....\$ 51.50
 31.15 Oiler.....\$ 43.45
 31.15 Truck Crane Oiler.....\$ 45.73
 31.15 GROUP 3

Cranes.....\$ 50.02
 31.15 Hydraulic.....\$ 45.07
 31.15 Oiler.....\$ 43.23
 31.15 Truck Crane Oiler.....\$ 45.46
 31.15 GROUP 4
 31.15 Cranes.....\$ 48.00
 31.15 GROUP 5
 31.15 Cranes.....\$ 46.70
 OPERATOR: Power Equipment
 (Tunnel and Underground Work
 - AREA 1:)
 SHAFTS, STOPES, RAISES:
 31.15 GROUP 1.....\$ 47.52
 31.15 GROUP 1-A.....\$ 49.99
 31.15 GROUP 2.....\$ 46.26
 31.15 GROUP 3.....\$ 44.93
 31.15 GROUP 4.....\$ 43.79
 31.15 GROUP 5.....\$ 42.65
 31.15 UNDERGROUND:
 31.15 GROUP 1.....\$ 47.42
 31.15 GROUP 1-A.....\$ 49.89
 31.15 GROUP 2.....\$ 46.16
 31.15 GROUP 3.....\$ 44.83
 31.15 GROUP 4.....\$ 43.69
 31.15 GROUP 5.....\$ 42.55
 31.15

FOOTNOTE: Work suspended by ropes or
 cables, or work on a
 Yo-Yo Cat: \$.60 per hour additional.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Operator of helicopter (when used
 in erection work);
 Hydraulic excavator, 7 cu. yds. and over;
 Power shovels,
 over 7 cu. yds.

GROUP 2: Highline cableway; Hydraulic
 excavator, 3-1/2 cu.
 yds. up to 7 cu. yds.; Licensed
 construction work boat
 operator, on site; Power blade operator
 (finish); Power
 shovels, over 1 cu. yd. up to and
 including 7 cu. yds.
 m.r.c.

GROUP 3: Asphalt milling machine; Cable
 backhoe; Combination
 backhoe and loader over 3/4 cu. yds.;
 Continuous flight tie
 back machine assistant to engineer or
 mechanic; Crane
 mounted continuous flight tie back
 machine, tonnage to

apply; Crane mounted drill attachment, tonnage to apply;
 Dozer, slope brd; Gradall; Hydraulic excavator, up to 3 1/2 cu. yds.; Loader 4 cu. yds. and over; Long reach excavator;
 Multiple engine scraper (when used as push pull); Power shovels, up to and including 1 cu. yd.; Pre-stress wire wrapping machine; Side boom cat, 572 or larger; Track loader 4 cu. yds. and over; Wheel excavator (up to and including 750 cu. yds. per hour)

GROUP 4: Asphalt plant engineer/box person; Chicago boom;
 Combination backhoe and loader up to and including 3/4 cu. yd.; Concrete batch plant (wet or dry); Dozer and/or push cat; Pull- type elevating loader; Gradesetter, grade checker (GPS, mechanical or otherwise); Grooving and grinding machine; Heading shield operator; Heavy-duty drilling equipment, Hughes, LDH, Watson 3000 or similar;
 Heavy-duty repairperson and/or welder; Lime spreader;
 Loader under 4 cu. yds.; Lubrication and service engineer (mobile and grease rack); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); Miller Formless M-9000 slope paver or similar; Portable crushing and screening plants; Power blade support; Roller operator, asphalt; Rubber-tired scraper, self-loading (paddle-wheels, etc.); Rubber- tired earthmoving equipment (scrapers); Slip form paver (concrete); Small tractor with drag; Soil stabilizer (P & H or equal); Spider plow and spider puller;
 Tubex pile rig; Unlicensed constuction work boat operator, on site; Timber skidder; Track loader up to 4 yds.;
 Tractor-drawn scraper; Tractor, compressor drill combination; Welder; Woods-Mixer (and other similar Pugmill equipment)

GROUP 5: Cast-in-place pipe laying machine; Combination slusher and motor operator; Concrete conveyor or concrete pump, truck or equipment mounted; Concrete conveyor, building site; Concrete pump or pumpcrete gun; Drilling equipment, Watson 2000, Texoma 700 or similar; Drilling and boring machinery, horizontal (not to apply to waterliners, wagon drills or jackhammers); Concrete mixer/all; Person and/or material hoist; Mechanical finishers (concrete)

(Clary, Johnson, Bidwell Bridge Deck or similar types);
 Mechanical burm, curb and/or curb and gutter machine, concrete or asphalt); Mine or shaft hoist; Portable crusher; Power jumbo operator (setting slip-forms, etc., in tunnels); Screed (automatic or manual); Self-propelled compactator with dozer; Tractor with boom D6 or smaller;
 Trenching machine, maximum digging capacity over 5 ft. depth; Vermeer T-600B rock cutter or similar

GROUP 6: Armor-Coater (or similar); Ballast jack tamper;
 Boom- type backfilling machine; Assistant plant engineer;
 Bridge and/or gantry crane; Chemical grouting machine, truck-mounted; Chip spreading machine operator; Concrete saw (self-propelled unit on streets, highways, airports and canals); Deck engineer; Drilling equipment Texoma 600, Hughes 200 Series or similar up to and including 30 ft. m.r.c.; Drill doctor; Helicopter radio operator;
 Hydro-hammer or similar; Line master; Skidsteer loader, Bobcat larger than 743 series or similar (with attachments); Locomotive; Lull hi-lift or similar; Oiler, truck mounted equipment; Pavement breaker, truck-mounted, with compressor combination; Paving fabric installation and/or laying machine; Pipe bending machine (pipelines only); Pipe wrapping machine (tractor propelled and supported); Screed (except asphaltic concrete paving);
 Self- propelled pipeline wrapping machine; Tractor;
 Self-loading chipper; Concrete barrier moving machine

GROUP 7: Ballast regulator; Boom truck or dual-purpose A-frame truck, non-rotating - under 15 tons; Cary lift or similar; Combination slurry mixer and/or cleaner; Drilling equipment, 20 ft. and under m.r.c.; Firetender (hot plant);
 Grouting machine operator; Highline cableway signalperson;
 Stationary belt loader (Kolman or similar); Lift slab machine (Vagtborg and similar types); Maginnes internal full slab vibrator; Material hoist (1 drum); Mechanical trench shield; Pavement breaker with or without compressor combination); Pipe cleaning machine (tractor propelled and supported); Post driver; Roller (except asphalt); Chip

Seal; Self-propelled automatically applied concrete curing machine (on streets, highways, airports and canals); Self-propelled compactor (without dozer); Signalperson; Slip-form pumps (lifting device for concrete forms); Tie spacer; Tower mobile; Trenching machine, maximum digging capacity up to and including 5 ft. depth; Truck- type loader

GROUP 8: Bit sharpener; Boiler tender; Box operator; Brakeperson; Combination mixer and compressor (shotcrete/gunite); Compressor operator; Deckhand; Fire tender; Forklift (under 20 ft.); Generator; Gunite/shotcrete equipment operator; Hydraulic monitor; Ken seal machine (or similar); Mixermobile; Oiler; Pump operator; Refrigeration plant; Reservoir-debris tug (self-propelled floating); Ross Carrier (construction site); Rotomist operator; Self-propelled tape machine; Shuttlecar; Self-propelled power sweeper operator (includes vacuum sweeper); Slusher operator; Surface heater; Switchperson; Tar pot fire tender; Tugger hoist, single drum; Vacuum cooling plant; Welding machine (powered other than by electricity)

GROUP 8-A: Elevator operator; Skidsteer loader-Bobcat 743 series or smaller, and similar (without attachments); Mini excavator under 25 H.P. (backhoe-trencher); Tub grinder wood chipper

ALL CRANES AND ATTACHMENTS

GROUP 1: Clamshell and dragline over 7 cu. yds.; Crane, over 100 tons; Derrick, over 100 tons; Derrick barge pedestal-mounted, over 100 tons; Self-propelled boom-type lifting device, over 100 tons

GROUP 2: Clamshell and dragline over 1 cu. yd. up to and including 7 cu. yds.; Crane, over 45 tons up to and including 100 tons; Derrick barge, 100 tons and under; Self-propelled boom-type lifting device, over 45 tons; Tower crane

GROUP 3: Clamshell and dragline up to and including 1 cu. yd.; Cranes 45 tons and under; Self-propelled boom-type

lifting device 45 tons and under;

GROUP 4: Boom Truck or dual purpose A-frame truck, non-rotating over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) - under 15 tons;

PILEDRIVERS

GROUP 1: Derrick barge pedestal mounted over 100 tons; Clamshell over 7 cu. yds.; Self-propelled boom-type lifting device over 100 tons; Truck crane or crawler, land or barge mounted over 100 tons

GROUP 2: Derrick barge pedestal mounted 45 tons to and including 100 tons; Clamshell up to and including 7 cu. yds.; Self-propelled boom-type lifting device over 45 tons; Truck crane or crawler, land or barge mounted, over 45 tons up to and including 100 tons; Fundex F-12 hydraulic pile rig

GROUP 3: Derrick barge pedestal mounted under 45 tons; Self-propelled boom-type lifting device 45 tons and under; Skid/scow piledriver, any tonnage; Truck crane or crawler, land or barge mounted 45 tons and under

GROUP 4: Assistant operator in lieu of assistant to engineer; Forklift, 10 tons and over; Heavy-duty repairperson/welder

GROUP 5: Deck engineer

GROUP 6: Deckhand; Fire tender

STEEL ERECTORS

GROUP 1: Crane over 100 tons; Derrick over 100 tons; Self-propelled boom-type lifting device over 100 tons

GROUP 2: Crane over 45 tons to 100 tons; Derrick under 100 tons; Self-propelled boom-type lifting device over 45 tons to 100 tons; Tower crane

GROUP 3: Crane, 45 tons and under; Self-propelled boom-type lifting device, 45 tons and under

GROUP 4: Chicago boom; Forklift, 10 tons
and over; Heavy-duty
repair person/welder

GROUP 5: Boom cat

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TUNNEL AND UNDERGROUND WORK

GROUP 1-A: Tunnel bore machine operator,
20' diameter or more

GROUP 1: Heading shield operator; Heavy-
duty repairperson;
Mucking machine (rubber tired, rail or
track type); Raised
bore operator (tunnels); Tunnel mole bore
operator

GROUP 2: Combination slusher and motor
operator; Concrete
pump or pumpcrete gun; Power jumbo
operator

GROUP 3: Drill doctor; Mine or shaft hoist

GROUP 4: Combination slurry mixer cleaner;
Grouting Machine
operator; Motorman

GROUP 5: Bit Sharpener; Brakeman;
Combination mixer and
compressor (gunite); Compressor operator;
Oiler; Pump
operator; Slusher operator

AREA DESCRIPTIONS:

POWER EQUIPMENT OPERATORS, CRANES AND
ATTACHMENTS, TUNNEL AND
UNDERGROUND [These areas do not apply to
Piledrivers and
Steel Erectors]

AREA 1: DEL NORTE, HUMBOLDT, LAKE, MENDOCINO
AREA 2 -NOTED BELOW

THE REMAINING COUNTIES ARE SPLIT BETWEEN
AREA 1 AND AREA 2 AS
NOTED BELOW:

DEL NORTE COUNTY:
Area 1: Extreme Southwest corner
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern
parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

MENDOCINO COUNTY:
Area 1: Central and Southeastern Parts
Area 2: Remainder

IRON0433-006 07/01/2020

Rates
Fringes
IRONWORKER
Fence Erector.....\$ 34.58
24.81
Ornamental, Reinforcing
and Structural.....\$ 41.00
33.45

PREMIUM PAY:

\$6.00 additional per hour at the following
locations:

China Lake Naval Test Station, Chocolate
Mountains Naval
Reserve-Niland,
Edwards AFB, Fort Irwin Military Station,
Fort Irwin Training
Center-Goldstone, San Clemente Island, San
Nicholas Island,
Susanville Federal Prison, 29 Palms - Marine
Corps, U.S. Marine
Base - Barstow, U.S. Naval Air Facility -
Seale, Vandenberg AFB

\$4.00 additional per hour at the following
locations:

Army Defense Language Institute - Monterey,
Fallon Air Base,
Naval Post Graduate School - Monterey, Yermo
Marine Corps
Logistics Center

\$2.00 additional per hour at the following
locations:

Port Hueneme, Port Mugu, U.S. Coast Guard
Station - Two Rock

LAB00067-001 06/28/2021

AREA "A" - MARIN COUNTY

AREA "B" - ALPINE, AMADOR, BUTTE COLUSA
EL DORADO, GLENN,
LASSEN, MODOC, NAPA, NEVADA, PLACER, PLUMAS,
SACRAMENTO,
SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA,
SUTTER, TEHAMA,
TRINITY, YOLO, AND YUBA COUNTIES

Rates
Fringes
Asbestos Removal Laborer.....\$ 26.05
12.75
LABORER (Lead Removal)
Marin County.....\$ 34.37
25.95
Remaining Counties.....\$ 33.37
25.95

LAB00067-005 06/27/2017

AREA "A" - ALAMEDA, CONTRA COSTA, SAN
FRANCISCO, SAN MATEO AND

SANTA CLARA COUNTIES

AREA "B" - ALPINE, AMADOR, BUTTE,
CALAVERAS, COLUSA, DEL
NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT,
KINGS, LAKE, LASSEN,
MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC,
MONTEREY, NEVADA,
PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN
JOAQUIN, SANTA
CRUZ, SIERRA, SHASTA, SISKIYOU, STANISLAUS,
TEHAMA, TRINITY,
TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates
Fringes	
LABORER (TRAFFIC CONTROL/LANE CLOSURE)	
Escort Driver, Flag Person	
Area A.....	\$ 29.54
22.17	
Area B.....	\$ 28.54
22.17	
Traffic Control Person I	
Area A.....	\$ 29.84
22.17	
Area B.....	\$ 28.84
22.17	
Traffic Control Person II	
Area A.....	\$ 27.34
22.17	
Area B.....	\$ 26.34
22.17	
TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.	

TRAFFIC CONTROL PERSON II: Installation
and removal of
temporary/permanent signs, markers,
delineators and crash
cushions.

LABO0185-002 07/01/2021

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO,
GLENN, LASSEN, MODOC,
NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA,
SIERRA, SISKIYOU,
SUTTER, TEHAMA, TRINITY, YOLO AND YUBA
COUNTIES

	Rates
Fringes	

LABORER
Mason Tender-Brick.....\$ 34.09
24.41

LABO0185-005 07/01/2021

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO,
GLENN, LASSEN, MODOC,
NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA,
SIERRA, SISKIYOU,
SUTTER, TEHAMA, TRINITY, YOLO AND YUBA
COUNTIES

Rates

Fringes	
Tunnel and Shaft Laborers:	
GROUP 1.....	\$ 42.00
25.71	
GROUP 2.....	\$ 41.77
25.71	
GROUP 3.....	\$ 41.52
25.71	
GROUP 4.....	\$ 41.07
25.71	
GROUP 5.....	\$ 40.53
25.71	
Shotcrete Specialist.....	\$ 42.52
25.71	

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen;
Guniting and shotcrete
nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below
actual or
excavated ground level)

GROUP 3: Bit grinder; Blaster, driller,
powdermen, heading;
Cherry pickermen - where car is lifted;
Concrete finisher
in tunnel; Concrete screedman; Grout
pumpman and potman;
Guniting & shotcrete gunman & potman;
Headermen; High
pressure nozzleman; Miner - tunnel,
including top and
bottom man on shaft and raise work;
Nipper; Nozzleman on
slick line; Sandblaster - potman, Robotic
Shotcrete Placer,
Segment Erector, Tunnel Muck Hauler, Steel
Form raiser and
setter; Timberman, retimberman (wood or
steel or substitute
materials therefore); Tugger (for tunnel
laborer work);
Cable tender; Chuck tender; Powderman -
primer house

GROUP 4: Vibrator operator, pavement
breaker; Bull gang -
muckers, trackmen; Concrete crew -
includes rodding and
spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/
Brakeman

LABO0185-006 06/25/2018

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO,
GLENN, LASSEN, MODOC,
NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA,
SIERRA, SISKIYOU,
SUTTER, TEHAMA, TRINITY, YOLO, YUBA COUNTIES

	Rates
Fringes	

LABORER (CONSTRUCTION CRAFT
LABORERS - AREA B:)

Construction Specialist
 Group.....\$ 30.49
 23.20
 GROUP 1.....\$ 29.79
 23.20
 GROUP 1-a.....\$ 30.01
 23.20
 GROUP 1-c.....\$ 30.01
 23.20
 GROUP 1-e.....\$ 30.34
 23.20
 GROUP 1-f.....\$ 30.37
 23.20
 GROUP 2.....\$ 29.64
 23.20
 GROUP 3.....\$ 29.54
 23.20
 GROUP 4.....\$ 23.23
 23.20
 See groups 1-b and 1-d under laborer
 classifications.
 LABORER (GARDENERS,
 HORTICULTURAL & LANDSCAPE
 LABORERS - AREA B:)
 (1) New Construction.....\$ 29.54
 23.20
 (2) Establishment Warranty
 Period.....\$ 23.23
 23.20
 LABORER (GUNITE - AREA B:)
 GROUP 1.....\$ 29.75
 22.31
 GROUP 2.....\$ 29.25
 22.31
 GROUP 3.....\$ 28.66
 22.31
 GROUP 4.....\$ 28.54
 22.31
 LABORER (WRECKING - AREA B:)
 GROUP 1.....\$ 29.79
 23.20
 GROUP 2.....\$ 29.64
 23.20
 FOOTNOTES:
 Laborers working off or with or from bos'n
 chairs, swinging
 scaffolds, belts shall receive \$0.25 per
 hour above the
 applicable wage rate. This shall not
 apply to workers
 entitled to receive the wage rate set
 forth in Group 1-a
 below.

 LABORER CLASSIFICATIONS
 CONSTRUCTION SPECIALIST GROUP: Asphalt
 ironer and raker;
 Chainsaw; Laser beam in connection with
 laborers' work;
 Cast-in- place manhole form setter;
 Pressure pipelayer;
 Davis trencher - 300 or similar type (and
 all small
 trenchers); Blaster; Diamond driller;
 Multiple unit drill;
 Hydraulic drill
 GROUP 1: Asphalt spreader boxes (all
 types); Barko, Wacker

and similar type tampers; Buggymobile;
 Caulker, bander,
 pipewrapper, conduit layer, plastic
 pipelayer; Certified
 hazardous waste worker including Leade
 Abatement;
 Compactors of all types; Concrete and
 magnesite mixer, 1/2
 yd. and under; Concrete pan work; Concrete
 sander; Concrete
 saw; Cribber and/or shoring; Cut granite
 curb setter;
 Dri-pak-it machine; Faller, logloader and
 buckler; Form
 raiser, slip forms; Green cutter;
 Headerboard, Hubsetter,
 aligner, by any method; High pressure blow
 pipe (1-1/2" or
 over, 100 lbs. pressure/over); Hydro
 seeder and similar
 type; Jackhammer operator; Jacking of pipe
 over 12 inches;
 Jackson and similar type compactor; Kettle
 tender, pot and
 worker applying asphalt, lay-kold,
 creosote, lime, caustic
 and similar type materials (applying means
 applying,
 dipping or handling of such materials);
 Lagging, sheeting,
 whaling, bracing, trenchjacking, lagging
 hammer; Magnesite,
 epoxyresin, fiberglass, mastic worker (wet
 or dry); No
 joint pipe and stripping of same,
 including repair of
 voids; Pavement breaker and spader,
 including tool grinder;
 Perma curb; Pipelayer (including grade
 checking in
 connection with pipelaying); Precast-
 manhole setter;
 Pressure pipe tester; Post hole digger,
 air, gas and
 electric; Power broom sweeper; Power
 tampers of all types
 (except as shown in Group 2); Ram set gun
 and stud gun;
 Riprap stonepaver and rock-slinger,
 including placing of
 sacked concrete and/or sand (wet or dry)
 and gabions and
 similar type; Rotary scarifier or multiple
 head concrete
 chipping scarifier; Roto and Ditch Witch;
 Rototiller;
 Sandblaster, pot, gun, nozzle operators;
 Signalling and
 rigging; Tank cleaner; Tree climber; Turbo
 blaster;
 Vibrascreed, bull float in connection with
 laborers' work;
 Vibrator; Hazardous waste worker (lead
 removal); Asbestos
 and mold removal worker
 GROUP 1-a: Joy drill model TWM-2A;
 Gardner-Denver model DH143
 and similar type drills; Track driller;
 Jack leg driller;
 Wagon driller; Mechanical drillers, all
 types regardless of
 type or method of power; Mechanical pipe
 layers, all types
 regardless of type or method of power;
 Blaster and powder;

All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above

Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$.25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100

lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.

B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.

C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LABO0185-008 07/01/2021

	Rates
Fringes	
Plasterer tender.....	\$ 35.82
28.45	

Work on a swing stage scaffold: \$1.00 per hour additional.

LABO0261-002 06/28/2021

MARIN COUNTY

	Rates
Fringes	
LABORER (TRAFFIC CONTROL/LANE CLOSURE)	
Escort Driver, Flag Person..	\$ 34.48
26.21	
Traffic Control Person I....	\$ 34.78
26.21	
Traffic Control Person II...	\$ 32.28
26.21	

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0261-004 07/01/2021

MARIN COUNTY

	Rates
Fringes	
Tunnel and Shaft Laborers:	
GROUP 1.....	\$ 42.00
25.71	
GROUP 2.....	\$ 41.77
25.71	
GROUP 3.....	\$ 41.52
25.71	
GROUP 4.....	\$ 41.07
25.71	
GROUP 5.....	\$ 40.53
25.71	
Shotcrete Specialist.....	\$ 42.52
25.71	

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlelemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/Brakeman

LABO0261-007 07/01/2018

MARIN AND NAPA COUNTIES

	Rates
Fringes	
LABORER	
Mason Tender-Brick.....	\$ 32.45
22.20	

LABO0261-010 06/25/2018

MARIN COUNTY

	Rates
Fringes	
LABORER (CONSTRUCTION CRAFT LABORERS - AREA A:)	
Construction Specialist Group.....	\$ 31.49
23.20	
GROUP 1.....	\$ 30.79
23.20	
GROUP 1-a.....	\$ 31.01
23.20	
GROUP 1-c.....	\$ 30.84
23.20	
GROUP 1-e.....	\$ 31.34
23.20	
GROUP 1-f.....	\$ 31.37
23.20	

GROUP 2.....\$ 30.64
 23.20
 GROUP 3.....\$ 30.54
 23.20
 GROUP 4.....\$ 24.23
 23.20
 See groups 1-b and 1-d under laborer
 classifications.
 LABORER (GARDENERS,
 HORTICULTURAL & LANDSCAPE
 LABORERS - AREA A:)
 (1) New Construction.....\$ 30.54
 23.20
 (2) Establishment Warranty
 Period.....\$ 24.23
 23.20
 LABORER (GUNITE - AREA A:)
 GROUP 1.....\$ 30.75
 22.31
 GROUP 2.....\$ 30.25
 22.31
 GROUP 3.....\$ 29.66
 22.31
 GROUP 4.....\$ 29.54
 22.31
 LABORER (WRECKING - AREA A:)
 GROUP 1.....\$ 30.79
 23.20
 GROUP 2.....\$ 30.64
 23.20

FOOTNOTES:

Laborers working off or with or from bos'n
 chairs, swinging
 scaffolds, belts shall receive \$0.25 per
 hour above the
 applicable wage rate. This shall not
 apply to workers
 entitled to receive the wage rate set
 forth in Group 1-a
 below.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt
 ironer and raker;
 Chainsaw; Laser beam in connection with
 laborers' work;
 Cast-in- place manhole form setter;
 Pressure pipelayer;
 Davis trencher - 300 or similar type (and
 all small
 trenchers); Blaster; Diamond driller;
 Multiple unit drill;
 Hydraulic drill

GROUP 1: Asphalt spreader boxes (all
 types); Barko, Wacker
 and similar type tampers; Buggymobile;
 Caulker, bander,
 pipewrapper, conduit layer, plastic
 pipelayer; Certified
 hazardous waste worker including Leade
 Abatement;
 Compactors of all types; Concrete and
 magnesite mixer, 1/2
 yd. and under; Concrete pan work; Concrete
 sander; Concrete
 saw; Cribber and/or shoring; Cut granite
 curb setter;
 Dri-pak-it machine; Faller, logloader and
 buckler; Form

raiser, slip forms; Green cutter;
 Headerboard, Hubsetter,
 aligner, by any method; High pressure blow
 pipe (1-1/2" or
 over, 100 lbs. pressure/over); Hydro
 seeder and similar
 type; Jackhammer operator; Jacking of pipe
 over 12 inches;
 Jackson and similar type compactor; Kettle
 tender, pot and
 worker applying asphalt, lay-kold,
 creosote, lime, caustic
 and similar type materials (applying means
 applying,
 dipping or handling of such materials);
 Lagging, sheeting,
 whaling, bracing, trenchjacking, lagging
 hammer; Magnesite,
 epoxyresin, fiberglass, mastic worker (wet
 or dry); No
 joint pipe and stripping of same,
 including repair of
 voids; Pavement breaker and spader,
 including tool grinder;
 Perma curb; Pipelayer (including grade
 checking in
 connection with pipelaying); Precast-
 manhole setter;
 Pressure pipe tester; Post hole digger,
 air, gas and
 electric; Power broom sweeper; Power
 tampers of all types
 (except as shown in Group 2); Ram set gun
 and stud gun;
 Riprap stonepaver and rock-slinger,
 including placing of
 sacked concrete and/or sand (wet or dry)
 and gabions and
 similar type; Rotary scarifier or multiple
 head concrete
 chipping scarifier; Roto and Ditch Witch;
 Rototiller;
 Sandblaster, pot, gun, nozzle operators;
 Signalling and
 rigging; Tank cleaner; Tree climber; Turbo
 blaster;
 Vibrascreed, bull float in connection with
 laborers' work;
 Vibrator; Hazardous waste worker (lead
 removal); Asbestos
 and mold removal worker

GROUP 1-a: Joy drill model TWM-2A;
 Gardner-Denver model DH143
 and similar type drills; Track driller;
 Jack leg driller;
 Wagon driller; Mechanical drillers, all
 types regardless of
 type or method of power; Mechanical pipe
 layers, all types
 regardless of type or method of power;
 Blaster and powder;
 All work of loading, placing and blasting
 of all powder and
 explosives of whatever type regardless of
 method used for
 such loading and placing; High scalers
 (including drilling
 of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive
 \$4.00 per day above
 Group 1 wage rates. "Sewer cleaner"
 means any worker who
 handles or comes in contact with raw
 sewage in small

diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$.25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LABO0261-015 07/01/2021

Rates

Fringes

Plasterer tender.....\$ 35.82
28.45

Work on a swing stage scaffold: \$1.00 per
hour additional.

LABO0324-004 06/28/2021

NAPA, SOLANO, AND SONOMA, COUNTIES

Rates

Fringes

LABORER (TRAFFIC CONTROL/LANE
CLOSURE)

Escort Driver, Flag Person..\$ 33.48
26.21

Traffic Control Person I....\$ 33.78
26.21

Traffic Control Person II...\$ 31.28
26.21

TRAFFIC CONTROL PERSON I: Layout of
traffic control, crash
cushions, construction area and roadside
signage.

TRAFFIC CONTROL PERSON II: Installation
and removal of
temporary/permanent signs, markers,
delineators and crash
cushions.

LABO0324-008 06/25/2018

NAPA, SOLANO, AND SONOMA COUNTIES

Rates

Fringes

Tunnel and Shaft Laborers:

GROUP 1.....\$ 37.82
24.11

GROUP 2.....\$ 37.59
24.11

GROUP 3.....\$ 37.34
24.11

GROUP 4.....\$ 36.89
24.11

GROUP 5.....\$ 36.35
24.11

Shotcrete Specialist.....\$ 38.34
24.11

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen;
Gunite and shotcrete
nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below
actual or
excavated ground level)

GROUP 3: Bit grinder; Blaster, driller,
powdermen, heading;
Cherry pickermen - where car is lifted;
Concrete finisher
in tunnel; Concrete screedman; Grout
pumpman and potman;

Gunite & shotcrete gunman & potman;
Headermen; High
pressure nozzleman; Miner - tunnel,
including top and
bottom man on shaft and raise work;
Nipper; Nozzleman on
slick line; Sandblaster - potman, Robotic
Shotcrete Placer,
Segment Erector, Tunnel Muck Hauler, Steel
Form raiser and
setter; Timberman, retimberman (wood or
steel or substitute
materials therefore); Tugger (for tunnel
laborer work);
Cable tender; Chuck tender; Powderman -
primer house

GROUP 4: Vibrator operator, pavement
breaker; Bull gang -
muckers, trackmen; Concrete crew -
includes rodding and
spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/
Brakeman

LABO0324-010 07/01/2018

SOLANO AND SONOMA COUNTIES

Rates

Fringes

LABORER

Mason Tender-Brick.....\$ 31.45
22.20

LABO0324-013 06/25/2018

NAPA, SOLANO, AND SONOMA COUNTIES

Rates

Fringes

LABORER (CONSTRUCTION CRAFT
LABORERS - AREA B:)

Construction Specialist
Group.....\$ 30.49
23.20

GROUP 1.....\$ 29.79
23.20

GROUP 1-a.....\$ 30.01
23.20

GROUP 1-c.....\$ 29.84
23.20

GROUP 1-e.....\$ 30.34
23.20

GROUP 1-f.....\$ 29.37
23.20

GROUP 2.....\$ 29.64
23.20

GROUP 3.....\$ 29.54
23.20

GROUP 4.....\$ 23.23
23.20

See groups 1-b and 1-d under laborer
classifications.

LABORER (GARDENERS,
HORTICULTURAL & LANDSCAPE
LABORERS - AREA B:)

(1) New Construction.....\$ 29.54
23.20

(2) Establishment Warranty

Period.....\$ 23.23
 23.20
 LABORER (GUNITE - AREA B:)
 GROUP 1.....\$ 29.75
 22.31
 GROUP 2.....\$ 29.25
 22.31
 GROUP 3.....\$ 28.66
 22.31
 GROUP 4.....\$ 28.54
 22.31
 LABORER (WRECKING - AREA B:)
 GROUP 1.....\$ 29.79
 23.20
 GROUP 2.....\$ 29.64
 23.20

FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive \$0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker;
 Chainsaw; Laser beam in connection with laborers' work;
 Cast-in-place manhole form setter;
 Pressure pipelayer;
 Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement;
 Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter;
 Dri-pak-it machine; Faller, logloader and buckler; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches;
 Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying,

dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder;
 Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter;
 Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun;
 Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller;
 Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster;
 Vibrascreed, bull float in connection with laborers' work;
 Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller;
 Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder;
 All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive \$4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shall receive \$5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive \$.25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or

similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Guniting laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LABO0324-019 07/01/2021

Rates

Fringes

Plasterer tender.....\$ 35.82
28.45

Work on a swing stage scaffold: \$1.00 per hour additional.

PAIN0016-004 01/01/2021

MARIN, NAPA, SOLANO & SONOMA COUNTIES

Rates

Fringes

Painters:.....\$ 45.22
25.48

PREMIUMS:
EXOTIC MATERIALS - \$1.25 additional per hour.
SPRAY WORK: - \$0.50 additional per hour.
INDUSTRIAL PAINTING - \$0.25 additional per hour
[Work on industrial buildings used for the manufacture and processing of goods for sale or service; steel construction (bridges), stacks, towers, tanks, and similar structures]

HIGH WORK:
over 50 feet - \$2.00 per hour additional
100 to 180 feet - \$4.00 per hour additional
Over 180 feet - \$6.00 per hour additional

PAIN0016-005 07/01/2021

ALPINE, BUTTE, COLUSA, EL DORADO (west of the Sierra Nevada Mountains), GLENN, LASSEN (west of Hwy. 395, excluding Honey Lake); MARIN, MODOC, NAPA, NEVADA (west of the Sierra Nevada Mountains), PLACER (west of the Sierra Nevada Mountains), PLUMAS, SACRAMENTO, SHASTA, SIERRA (west of the Sierra Nevada Mountains), SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

Rates

Fringes

DRYWALL FINISHER/TAPER.....\$ 50.78
28.09

PAIN0016-007 01/01/2021

ALPINE, AMADOR, BUTTE, COLUSA. EL DORADO (west of the Sierra Nevada Mountains), GLENN, LASSEN (west of Highway 395, excluding Honey Lake), MODOC, NEVADA (west of the Sierra Nevada Mountains), PLACER (west of the Sierra Nevada Mountains), PLUMAS, SACRAMENTO, SHASTA, SIERRA (west of the Sierra Nevada Mountains), SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

Rates

Fringes

Painters:.....\$ 35.88
21.16

SPRAY/SANDBLAST: \$0.50 additional per hour.
EXOTIC MATERIALS: \$1.25 additional per hour.

HIGH TIME: Over 50 ft above ground or water level \$2.00 additional per hour. 100 to 180 ft above ground or water level \$4.00 additional per hour. Over 180 ft above ground or water level \$6.00 additional per hour.

PAIN0016-008 01/01/2019

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

Rates

Fringes

SOFT FLOOR LAYER.....\$ 48.60
27.43

PAIN0169-004 01/01/2021

MARIN , NAPA & SONOMA COUNTIES; SOLANO COUNTY (west of a line defined as follows: Hwy. 80 corridor beginning at the City of Fairfield, including Travis Air Force Base and Suisun City; going north of Manakas Corner Rd., continue north on Suisun Valley Rd. to the Napa County line; Hwy. 80 corridor south on Grizzly Island Rd. to the Grizzly Island Management area)

Rates

Fringes

GLAZIER.....\$ 53.07
31.15

* PAIN0567-001 07/01/2021

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains); AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

Rates

Fringes

Painters:
Brush and Roller.....\$ 31.80
13.54
Spray Painter & Paperhanger.\$ 33.39
13.54

PREMIUMS:
Special Coatings (Brush), and Sandblasting = \$0.50/hr
Special Coatings (Spray), and Steeplejack = \$1.00/hr
Special Coating Spray Steel = \$1.25/hr
Swing Stage = \$2.00/hr

*A special coating is a coating that requires the mixing of 2 or more products.

PAIN0567-007 07/01/2020

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains) AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates
Fringes	
SOFT FLOOR LAYER.....	\$ 31.01
15.48	

PAIN0567-010 07/01/2020

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains); AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates
Fringes	
Drywall	
(1) Taper.....	\$ 35.20
14.02	
(2) Steeplejack - Taper, over 40 ft with open space below.....	\$ 36.70
14.02	

PAIN0767-004 01/01/2021

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO (Remainder), SUTTER, TEHAMA, TRINITY, YOLO, YUBA

	Rates
Fringes	
GLAZIER.....	\$ 41.51
31.36	

PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

Employee required to wear a body harness shall receive \$1.50 per hour above the basic hourly rate at any elevation.

PAIN1176-001 07/01/2020

HIGHWAY IMPROVEMENT

	Rates
Fringes	
Parking Lot Striping/Highway Marking:	
GROUP 1.....	\$ 38.48
16.88	
GROUP 2.....	\$ 32.71
16.88	
GROUP 3.....	\$ 33.09
16.88	

CLASSIFICATIONS

GROUP 1: Striper: Layout and application of painted traffic stripes and marking; hot thermo plastic; tape, traffic stripes and markings

GROUP 2: Gamecourt & Playground Installer

GROUP 3: Protective Coating, Pavement Sealing

PAIN1237-001 01/01/2021

ALPINE; COLUSA; EL DORADO (west of the Sierra Nevada Mountains); GLENN; LASSEN (west of Highway 395, beginning at Stacey and including Honey Lake); MODOC; NEVADA (west of the Sierra Nevada Mountains); PLACER (west of the Sierra Nevada Mountains); PLUMAS; SACRAMENTO; SHASTA; SIERRA (west of the Sierra Nevada Mountains); SISKIYOU; SUTTER; TEHAMA; TRINITY; YOLO AND YUBA COUNTIES

	Rates
Fringes	
SOFT FLOOR LAYER.....	\$ 41.81
23.39	

PLAS0300-003 07/01/2018

	Rates
Fringes	
PLASTERER	
AREA 295: Alpine, Amador, Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Solano, Sutter, Tehema, Trinity,	

Yolo & Yuba Counties.....\$ 32.70
 31.68
 AREA 355: Marin.....\$ 36.73
 31.68
 AREA 355: Napa & Sonoma
 Counties.....\$ 32.70
 31.68

 PLAS0300-005 07/01/2016

Rates
 Fringes
 CEMENT MASON/CONCRETE FINISHER...\$ 32.15
 23.27

 PLUM0038-002 07/01/2021

MARIN AND SONOMA COUNTIES

Rates
 Fringes
 PLUMBER (Plumber,
 Steamfitter, Refrigeration
 Fitter)
 (1) Work on wooden frame
 structures 5 stories or
 less excluding high-rise
 buildings and commercial
 work such as hospitals,
 prisons, hotels, schools,
 casinos, wastewater
 treatment plants, and
 resarch facilities as well
 as refrigeration
 pipefitting, service and
 repair work - MARKET
 RECOVERY RATE.....\$ 67.15
 44.21
 (2) All other work - NEW
 CONSTRUCTION RATE.....\$ 79.00
 46.01

 PLUM0038-006 07/01/2021

MARIN & SONOMA COUNTIES

Rates
 Fringes
 Landscape/Irrigation Fitter
 (Underground/Utility Fitter).....\$ 67.15
 32.67

 PLUM0228-001 07/01/2021

BUTTE, COLUSA, GLENN, LASSEN, MODOC, PLUMAS,
 SHASTA, SIERRA,
 SISKIYOU, SUTTER, TEHAMA, TRINITY & YUBA
 COUNTIES

Rates
 Fringes
 PLUMBER.....\$ 42.50
 35.89

 PLUM0343-001 07/01/2021

NAPA AND SOLANO COUNTIES

Rates
 Fringes
 PLUMBER/PIPEFITTER
 Light Commercial.....\$ 30.85
 20.40
 All Other Work.....\$ 56.00
 39.61

DEFINITION OF LIGHT COMMERCIAL:
 Work shall include strip shopping centers,
 office buildings,
 schools and other commercial structures
 which the total
 plumbing bid does not exceed Two Hundred
 and Fifty Thousand
 (\$250,000) and the total heating and
 cooling does not
 exceed Two Hundred Fifty Thousand
 (\$250,000); or Any
 projects bid in phases shall not qualify
 unless the total
 project is less than Two Hundred Fifty
 Thousand (\$250,000)
 for the plumbing bid; and Two Hundred
 Fifty Thousand
 (\$250,000) for the heating and cooling
 bid. Excluded are
 hospitals, jails, institutions and
 industrial projects,
 regardless size of the project

FOOTNOTES: While fitting galvanized
 material: \$.75 per hour
 additional. Work from trusses, temporary
 staging,
 unguarded structures 35' from the ground
 or water: \$.75 per
 hour additional. Work from swinging
 scaffolds, boatswains
 chairs or similar devices: \$.75 per hour
 additional.

 PLUM0350-001 08/01/2021
 EL DORADO COUNTY (Lake Tahoe area only);
 NEVADA COUNTY (Lake
 Tahoe area only); AND PLACER COUNTY (Lake
 Tahoe area only)

Rates
 Fringes
 PLUMBER/PIPEFITTER.....\$ 47.54
 17.11

 PLUM0355-001 07/01/2021

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO,
 GLENN, LASSEN, MODOC,
 NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO,
 SHASTA, SIERRA,
 SISKIYOU, SOLANO, SUTTER, TEHAMA, TRINITY,
 YOLO, AND YUBA
 COUNTIES

Rates
 Fringes

Underground Utility Worker
 /Landscape Fitter.....\$ 30.90
 16.80

 PLUM0442-003 07/01/2021

AMADOR (South of San Joaquin River) and
 ALPINE COUNTIES

	Rates
Fringes	
PLUMBER.....	\$ 47.50
33.39	

PLUM0447-001 07/01/2021	
AMADOR (north of San Joaquin River), EL DORADO (excluding Lake Tahoe area), NEVADA (excluding Lake Tahoe area); PLACER (excluding Lake Tahoe area), SACRAMENTO AND YOLO COUNTIES	
	Rates
Fringes	
PLUMBER/PIPEFITTER	
Journeyman.....	\$ 56.37
26.75	
Light Commercial Work.....	\$ 36.23
17.72	

ROOF0081-006 08/01/2021	
MARIN, NAPA, SOLANO AND SONOMA COUNTIES	
	Rates
Fringes	
Roofer.....	\$ 47.17
19.86	

ROOF0081-007 08/01/2021	
ALPINE, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES	
	Rates
Fringes	
Roofer.....	\$ 41.23
19.61	

SFCA0483-003 01/01/2022	
MARIN, NAPA, SOLANO AND SONOMA COUNTIES	
	Rates
Fringes	
SPRINKLER FITTER (Fire Sprinklers).....	\$ 70.55
35.39	

SFCA0669-003 04/01/2021

ALPINE, BUTTE, COLUSA, EL DORADO, GLENN,
 LASSEN, MODOC, NEVADA,
 PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA,
 SISKIYOU, SUTTER,
 TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates
Fringes	
SPRINKLER FITTER.....	\$ 42.34
26.29	

SH EE0104-006 06/29/2020	
MARIN, NAPA, SOLANO SONOMA & TRINITY COUNTIES	
	Rates
Fringes	
Sheet Metal Worker Mechanical Contracts \$200,000 or less.....	\$ 55.92
45.29	
All other work.....	\$ 64.06
46.83	

SH EE0104-009 07/01/2021	
AMADOR, COLUSA, EL DORADO, NEVADA, PLACER, SACRAMENTO, SUTTER, YOLO AND YUBA COUNTIES	
	Rates
Fringes	
SHEET METAL WORKER.....	\$ 47.85
41.90	

SH EE0104-010 07/01/2020	
ALPINE COUNTY	
	Rates
Fringes	
SHEET METAL WORKER.....	\$ 43.50
37.42	

SH EE0104-011 07/01/2020	
BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, YOLO AND YUBA COUNTIES	
	Rates
Fringes	
Sheet Metal Worker (Metal decking and siding only).....	\$ 44.45
35.55	

SH EE0104-014 07/01/2020	

MARIN, NAPA, SOLANO, SONOMA AND TRINITY
COUNTIES

	Rates
Fringes	
SHEET METAL WORKER (Metal Decking and Siding only).....	\$ 44.45
35.55	

SHEE0104-019 07/01/2020	

BUTTE, GLENN, LASSEN, MODOC, PLUMAS, SHASTA,
SIERRA, SISKIYOU
AND TEHAMA COUNTIES

	Rates
Fringes	
SHEET METAL WORKER	
Mechanical Jobs \$200,000 & under.....	\$ 35.16
35.88	
Mechanical Jobs over \$200,000.....	\$ 46.60
40.21	

TEAM0094-001 07/01/2021	

	Rates
Fringes	
Truck drivers:	
GROUP 1.....	\$ 35.15
31.42	
GROUP 2.....	\$ 35.45
31.42	
GROUP 3.....	\$ 35.75
31.42	
GROUP 4.....	\$ 36.10
31.42	
GROUP 5.....	\$ 36.45
31.42	

FOOTNOTES:
Articulated dump truck; Bulk cement
spreader (with or without
auger); Dumpcrete truck; Skid truck
(debris box); Dry
pre-batch concrete mix trucks; Dumpster or
similar type;
Slurry truck: Use dump truck yardage rate.
Heater planer; Asphalt burner; Scarifier
burner; Industrial
lift truck (mechanical tailgate); Utility
and clean-up
truck: Use appropriate rate for the power
unit or the
equipment utilized.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Dump trucks, under 6 yds.; Single
unit flat rack (2-
axle unit); Nipper truck (when flat rack
truck is used
appropriate flat rack shall apply);
Concrete pump truck
(when flat rack truck is used appropriate
flat rack shall
apply); Concrete pump machine; Fork lift
and lift jitneys;

Fuel and/or grease truck driver or fuel
person; Snow buggy;
Steam cleaning; Bus or personhaul driver;
Escort or pilot
car driver; Pickup truck; Teamster
oiler/greaser and/or
serviceperson; Hook tender (including
loading and
unloading); Team driver; Tool room
attendant (refineries)

GROUP 2: Dump trucks, 6 yds. and under 8
yds.; Transit
mixers, through 10 yds.; Water trucks,
under 7,000 gals.;
Jetting trucks, under 7,000 gals.; Single-
unit flat rack
(3-axle unit); Highbed heavy duty
transport; Scissor truck;
Rubber-tired muck car (not self-loaded);
Rubber-tired truck
jumbo; Winch truck and "A" frame
drivers; Combination winch
truck with hoist; Road oil truck or
bootperson;
Buggymobile; Ross, Hyster and similar
straddle carriers;
Small rubber-tired tractor

GROUP 3: Dump trucks, 8 yds. and including
24 yds.; Transit
mixers, over 10 yds.; Water trucks, 7,000
gals. and over;
Jetting trucks, 7,000 gals. and over;
Vacuum trucks under
7500 gals. Trucks towing tilt bed or flat
bed pull
trailers; Lowbed heavy duty transport;
Heavy duty transport
tiller person; Self- propelled street
sweeper with
self-contained refuse bin; Boom truck -
hydro-lift or
Swedish type extension or retracting
crane; P.B. or similar
type self-loading truck; Tire
repairperson; Combination
bootperson and road oiler; Dry
distribution truck (A
bootperson when employed on such
equipment, shall receive
the rate specified for the classification
of road oil
trucks or bootperson); Ammonia nitrate
distributor, driver
and mixer; Snow Go and/or plow

GROUP 4: Dump trucks, over 25 yds. and
under 65 yds.; Water
pulls - DW 10's, 20's, 21's and other
similar equipment
when pulling Aqua/pak or water tank
trailers; Helicopter
pilots (when transporting men and
materials); Lowbedk Heavy
Duty Transport up to including 7 axles;
DW10's, 20's, 21's
and other similar Cat type, Terra Cobra,
LeTourneau Pulls,
Tournorocker, Euclid and similar type
equipment when
pulling fuel and/or grease tank trailers
or other
miscellaneous trailers; Vacuum Trucks 7500
gals and over
and truck repairman

GROUP 5: Dump trucks, 65 yds. and over;
Holland hauler; Low
bed Heavy Duty Transport over 7 axles

WELDERS - Receive rate prescribed for craft
performing
operation to which welding is incidental.

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Note: Executive Order (EO) 13706,
Establishing Paid Sick Leave
for Federal Contractors applies to all
contracts subject to the
Davis-Bacon Act for which the contract is
awarded (and any
solicitation was issued) on or after January
1, 2017. If this
contract is covered by the EO, the
contractor must provide
employees with 1 hour of paid sick leave for
every 30 hours
they work, up to 56 hours of paid sick leave
each year.
Employees must be permitted to use paid sick
leave for their
own illness, injury or other health-related
needs, including
preventive care; to assist a family member
(or person who is
like family to the employee) who is ill,
injured, or has other
health-related needs, including preventive
care; or for reasons
resulting from, or to assist a family member
(or person who is
like family to the employee) who is a victim
of, domestic
violence, sexual assault, or stalking.
Additional information
on contractor requirements and worker
protections under the EO
is available at
www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not
included within
the scope of the classifications listed may
be added after
award only as provided in the labor
standards contract clauses
(29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists
the classification
and wage rates that have been found to be
prevailing for the
cited type(s) of construction in the area
covered by the wage
determination. The classifications are
listed in alphabetical
order of ""identifiers"" that indicate
whether the particular
rate is a union rate (current union
negotiated rate for local),

a survey rate (weighted average rate) or a
union average rate
(weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation
identifier enclosed
in dotted lines beginning with characters
other than ""SU"" or
""UAVG"" denotes that the union
classification and rate were
prevailing for that classification in the
survey. Example:
PLUM0198-005 07/01/2014. PLUM is an
abbreviation identifier of
the union, which prevailed in the survey for
this
classification, which in this example would
be Plumbers 0198
indicates the local union number or district
council number
where applicable, i.e., Plumbers Local 0198.
The next number,
005 in the example, is an internal number
used in processing
the wage determination. 07/01/2014 is the
effective date of the
most current negotiated rate, which in this
example is July 1,
2014.

Union prevailing wage rates are updated to
reflect all rate
changes in the collective bargaining
agreement (CBA) governing
this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU""
identifier indicate that
no one rate prevailed for this
classification in the survey and
the published rate is derived by computing a
weighted average
rate based on all the rates reported in the
survey for that
classification. As this weighted average
rate includes all
rates reported in the survey, it may include
both union and
non-union rates. Example: SULA2012-007
5/13/2014. SU indicates
the rates are survey rates based on a
weighted average
calculation of rates and are not majority
rates. LA indicates
the State of Louisiana. 2012 is the year of
survey on which
these classifications and rates are based.
The next number, 007
in the example, is an internal number used
in producing the
wage determination. 5/13/2014 indicates the
survey completion
date for the classifications and rates under
that identifier.

Survey wage rates are not updated and remain
in effect until a
new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION

APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Division National Office Branch of Wage Surveys. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage
Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request

review and reconsideration from the Wage and Hour Administrator
(See 29 CFR Part 1.8 and 29 CFR Part 7).
Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

**PROPOSAL PAY ITEMS AND BID PRICE SCHEDULE
MOSQUITO ROAD AT SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT
CONTRACT NO. 5084 / CIP NO. 36105028**

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE (IN FIGURES)	ITEM TOTAL (IN FIGURES)
BASE BID (SCHEDULE A)						
1	072007A	Excavation Safety	LS	1		
2	080050	Progress Schedule (Level 3 Critical Path Method)	LS	1		
3	100100	Develop Water Supply	LS	1		
4	120090	Construction Area Signs	LS	1		
5	120100	Traffic Control System	LS	1		
6	128652	Portable Changeable Message Sign	LS	1		
7	129000	Temporary Railing (Type K)	LF	520		
8	129110	Temporary Crash Cushion	EA	5		
9	130100	Job Site Management	LS	1		
10	130300	Prepare Storm Water Pollution Prevention Plan	LS	1		
11	130310	Rain Event Action Plan	EA	20	500.00	10,000.00
12	130320	Storm Water Sampling and Analysis Day	EA	20	500.00	10,000.00
13	130330	Storm Water Annual Report	EA	2	2,000.00	4,000.00
14	149001A	Prepare Fugitive Dust Control Plan	LS	1		
15	160110	Temporary High-Visibility Fence	LF	4,700		

Mosquito Road at South Fork American River Bridge Replacement
Contract No. 5084, CIP No. 36105028
December 14, 2021

County of El Dorado
Proposal
REV Page P-3

16		160120	Tree Removal	EA	165		
17		170103	Clearing and Grubbing	LS	1		
18	F	190101	Roadway Excavation	CY	5,788		
19		190185	Shoulder Backing	TON	60		
20	F	192003	Structure Excavation (Bridge)	CY	822		
21		192004	Supplemental Structure Excavation and Backfill	CY	300		
22	F	192035	Structure Excavation (Rock)	CY	902		
23	F	192049	Structure Excavation (Soldier Pile Wall)	CY	60		
24	F	192055	Structure Excavation (Soil Nail Wall)	CY	8,180		
25	F	193000	Backfill (Pier)	CY	2,410		
26	F	193003	Structure Backfill (Bridge)	CY	1,357		
27	F	193028	Structure Backfill (Soil Nail Wall)	CY	31		
28	F	193029	Structure Backfill (Soldier Pile Wall)	CY	87		
29	F	193116	Concrete Backfill (Soldier Pile Wall)	CY	103		
30	F	193119	Lean Concrete Backfill	CY	20		
31		194001	Ditch Excavation	CY	89		
32	F	198010	Imported Borrow	CY	11,801		
33		198250	Geosynthetic Reinforcement	SQYD	950		

34		19XXXX	Construct Access	LS	1		
35		210270	Rolled Erosion Control Product (Netting)	SQFT	33,000		
36		210350	Fiber Rolls	LF	2,500		
37		210430	Hydroseed (3-Step)	SQFT	60,000		
38		260203	Class 2 Aggregate Base	CY	1,520		
39		390132	Hot Mix Asphalt (Type A, PG 64-16)	TON	1,400		
40		394073	Place Hot Mix Asphalt Dike (Type A)	LF	200		
41		398200	Cold Plane Asphalt Concrete Pavement	SQYD	300		
42	F	460220	Ground Anchor (T = 100 Kips)	EA	121		
43	F	460230	Ground Anchor (T = 210 Kips)	EA	111		
44	F	460300	Soil Nail	LF	5,721		
45	F	490311	Steel Soldier Pile (HP 12 x 74)	LF	1279		
46	F	490400	24" Drilled Hole	LF	1058		
47		490604	30" Cast-In-Drilled-Hole Concrete Piling	LF	317		
48		500001	Prestressing Cast-In-Place Concrete	LS	1		
49	F	510051	Structural Concrete, Bridge (Footing)	CY	2,231		
50	F	510052	Structural Concrete, Bridge (Pier)	CY	2,396		
51	F	510053	Structural Concrete, Bridge (Abutments)	CY	282		

52	F	510054	Structural Concrete, Bridge (Polymer Fiber)	CY	2,411		
53	F	510055	Structural Concrete, Bridge (Box Girder)	CY	4,031		
54	F	510060	Structural Concrete, Retaining Wall	CY	405		
55	F	510085	Structural Concrete, Approach Slab (Type EQ Modified)	CY	27		
56		518051	PTFE Spherical Bearing	EA	4		
57		519107	Joint Seal Assembly (MR 10")	LF	71		
58	F	520102	Bar Reinforcing Steel (Bridge)	LB	2,098,350		
59	F	520103	Bar Reinforcing Steel (Retaining Wall)	LB	174,767		
60	F	520110	Bar Reinforcing Steel (Epoxy Coated) (Bridge)	LB	569,037		
61	F	520120	Headed Bar Reinforcement	EA	12,136		
62	F	530050	Sculpted Shotcrete	SQFT	10,355		
63	F	530100	Shotcrete	CY	545		
64	F	530200	Structural Shotcrete	CY	600		
65	F	575004	Timber Lagging	MFBM	9.2		
66		590120	Clean And Paint Steel Soldier Piling	LS	1		
67		600037	Prepare Concrete Bridge Deck Surface	SQFT	40,120		
68	F	600041	Furnish Polyester Concrete Overlay	CF	3,343		
69	F	600043	Place Polyester Concrete Overlay	SQFT	40,120		

70		641107	18" Plastic Pipe	LF	281		
71		641131	48" Plastic Pipe	LF	188		
72		698100A	18" Plastic Pipe Downdrain (Fusion Welded)	LF	599		
73		703450	Welded Steel Pipe Casing (Bridge)	LF	40		
74		705011	18" Steel Flared End Section	EA	1		
75		705031	48" Steel Flared End Section	EA	2		
76		707117	36" Precast Concrete Pipe Inlet (Type OCPI or GCP)	EA	3		
77		707117A	Drainage Inlet	EA	3		
78		707125	48" Precast Concrete Pipe Inlet (Type OCPI or GCP)	EA	4		
79		707217	36" Precast Concrete Pipe Manhole	EA	1		
80		710136	Remove Pipe	LF	32		
81	F	721420	Concrete (Ditch Lining)	CY	27		
82		723055A	Rock Slope Protection (1/4 T, Class V, Method A)	TON	76		
83		723065A	Rock Slope Protection (300 lb, Class IV, Method A)	TON	644		
84		723075	Rock Slope Protection (150 lb, Class III, Method B)	TON	3,486		
85		723088	Rock Slope Protection (60 lb, Class II, Method B)	TON	299		
86		723125	Concreted-Rock Slope Protection (Class III, Method A)	TON	59		
87	F	730045	Minor Concrete (Gutter)	CY	5		

88	F	750501	Miscellaneous Metal (Bridge)	LB	13,900		
89	F	780445	Prepare and Stain Shotcrete	SQFT	10,355		
90		780446	Stain Galvanized Surfaces	LS	1		
91		780600	Inclinometers	EA	8		
92		810180A	Delineator (Type E/Class 2, Barrier Mounted, or Culvert Marker)	EA	29		
93		820840A	Roadside Sign - One Post, Two Post, or Barrier Monted	EA	34		
94		832006	Midwest Guardrail System (Steel Post)	LF	290		
95		832070	Vegetation Control (Minor Concrete)	SQYD	250		
96	F	833090	Tubular Handrailing (Modified)	LF	2,666		
97	F	839521	Cable Railing	LF	629		
98		839540	Transition Railing (Type STB)	EA	1		
99		839543	Transition Railing (Type WB-31)	EA	3		
100		839584A	MASH In-Line Terminal System	EA	5		
101	F	839700	Concrete Barrier (Type 85 Modified)	LF	2,678		
102		840505	6" Thermoplastic Traffic Stripe	LF	8,000		
103		840515	Thermoplastic Pavement Markings	SQFT	100		
104		999990	Mobilization	LS	1		
PIER 2 ALTERNATIVE BID (SCHEDULE B)							
P2B1		490605	36" Cast-In-Drilled-Hole Concrete Piling	LF	2,389		

P2B2	F	520102	Bar Reinforcing Steel (Bridge)	LB	118,639		
P2B3	F	500030	HS Bar	LB	54,120		
PIER 2 ALTERNATIVE BID (SCHEDULE C)							
P2C1		490607	48" Cast-In-Drilled-Hole Concrete Piling	LF	1,538		
P2C2	F	520102	Bar Reinforcing Steel (Bridge)	LB	154,921		
P2C3	F	500030	HS Bar	LB	25,256		
PIER 2 ALTERNATIVE BID (SCHEDULE D)							
P2D1		490609	60" Cast-In-Drilled-Hole Concrete Piling	LF	965		
P2D2	F	520102	Bar Reinforcing Steel (Bridge)	LB	141,375		
P2D3	F	500030	HS Bar	LB	17,130		
PIER 3 ALTERNATIVE BID (SCHEDULE E)							
P3E1		490605	36" Cast-In-Drilled-Hole Concrete Piling	LF	1,899		
P3E2	F	520102	Bar Reinforcing Steel (Bridge)	LB	99,317		
P3E3	F	500030	HS Bar	LB	54,120		
PIER 3 ALTERNATIVE BID (SCHEDULE F)							
P3F1		490607	48" Cast-In-Drilled-Hole Concrete Piling	LF	1,244		
P3F2	F	520102	Bar Reinforcing Steel (Bridge)	LB	130,723		
P3F3	F	500030	HS Bar	LB	25,256		
PIER 3 ALTERNATIVE BID (SCHEDULE G)							
P3G1		490609	60" Cast-In-Drilled-Hole Concrete Piling	LF	809		
P3G2	F	520102	Bar Reinforcing Steel (Bridge)	LB	122,208		

P3G3	F	500030	HS Bar	LB	17,130		
PIER 3 ALTERNATIVE BID (SCHEDULE H)							
P3H1		495000	Micropile	EA	154		
Total Bid:							

(F) Final Pay Quantity

(LS) Lump Sum

(NOTICE: Bidders failure to execute the questionnaires and statements contained in this proposal as required by applicable laws and regulations, or the determinations by County of El Dorado based upon those questionnaires and statements, may prohibit award of the subject Contract to the bidder.)

CERTIFICATION OF BIDDER'S QUALIFICATIONS

Bidder certifies that

(Insert Name of Segmental Bridge Contractor)

meets the following qualifications and requirements:

- ☐ **Construction of 1 cast-in-place segmental bridge construction project completed within the last 15 years.**

List project: _____

By signing this Proposal, Bidder certifies that they will meet the following qualifications and requirements as stated in Section 51-8 of the Special Provisions and re-stated below:

Will provide a designated Erection Superintendent with the following qualifications:

(Insert Name of Erection Superintendent)

- ☐ Specific knowledge of and experience in the erection of cast-in-place segmental bridges using the balanced cantilever construction method;
- ☐ Experience supervising the operation of special erection equipment similar to the equipment required for this Contract; and
- ☐ At least 5 years of general bridge construction experience with at least 2 years of experience in the supervision of balanced cantilever erection.

Will provide a Geometry Control Technician with the following qualifications:

(Insert Name of Geometry Control Technician, Firm, Qualified Person or Personnel)

- ☐ Registered Professional Engineer or Professional Land Surveyor in the State of California;
- ☐ Skills and prior experience to effectively control the final geometry of the bridge
- ☐ **Hands-on experience controlling geometry on 3 segmentally erected balanced cantilever bridges completed within the last 15 years with at least 1 cast in place, segmental method**
- ☐ Intimately familiar with the Contractor's Geometry Control Manual and Construction Manual; and
- ☐ **If a firm specializes in cast in place segmental design and construction, list the firm and the person or personnel that satisfies the requirements**

Will provide a Registered Professional Engineer in the State of California with the following qualifications:

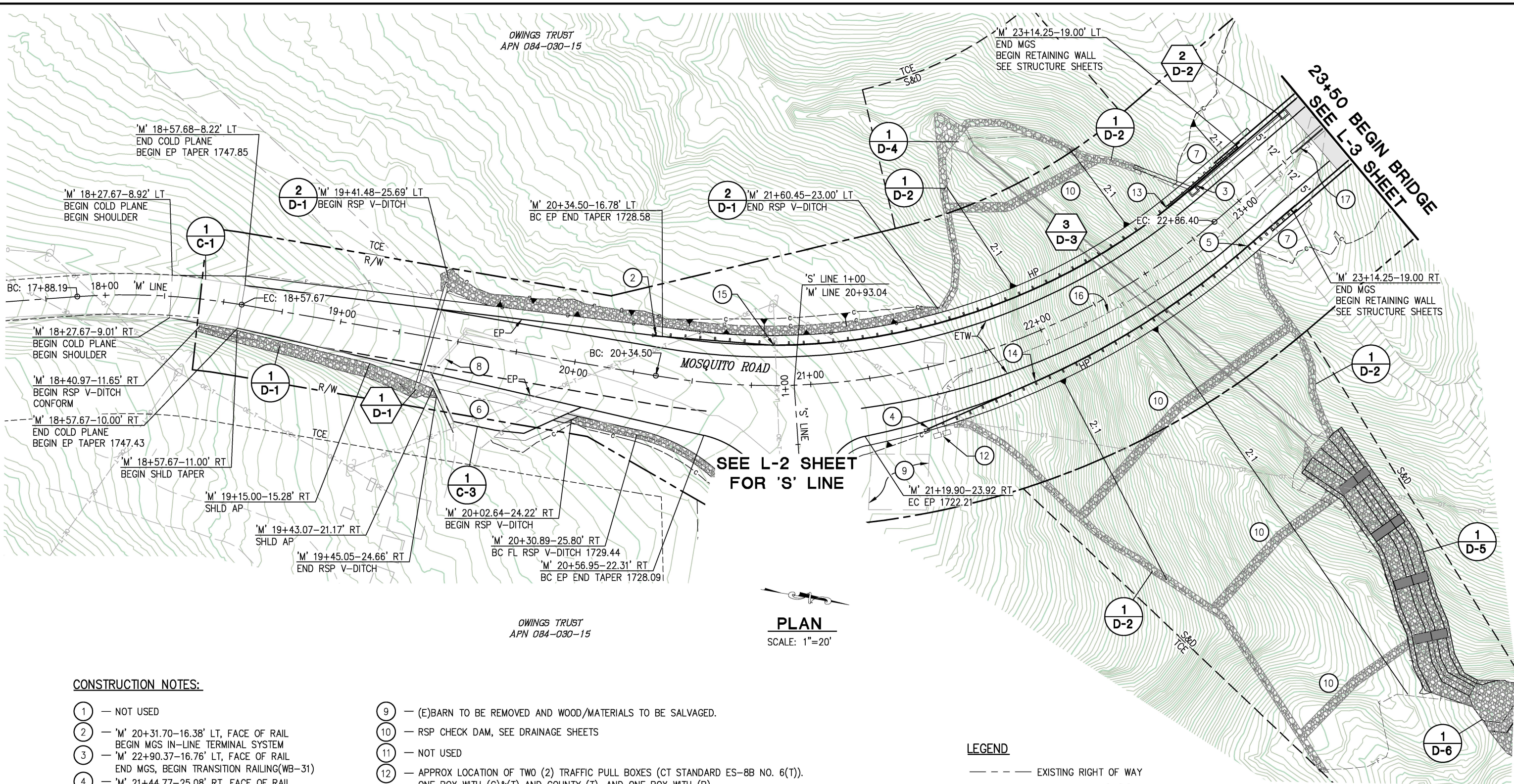
(Insert Name of Geometry Control Technician, Firm, Qualified Person or Personnel)

- ☐ A minimum of 4 years of cumulative relevant experience obtained over the past 15 years in the design and construction of post-tensioned concrete box girder bridges constructed using balanced cantilever techniques; and
- ☐ If a firm specializes in cast in place segmental design and construction, list the firm and the person or personnel that satisfies the requirements

NOTE: The qualifications listed above are intended to highlight specific requirements for specialized personnel integral to the erection of the balanced cantilever superstructure. The list above is not comprehensive of all contractor qualification requirements. The contractor will be required to show proof of qualifications if prompted by the County. The contractor is responsible for meeting all qualification requirements listed in the Specifications.

The above Certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\77126 Mosquito Rd Bridge Replacement\CADD Files\Sheets\L-Sheets.dwg Layout Tab: L-1 Jan 28, 2022 12:34pm Shwley
FOR REDUCED PLANS



SEE L-2 SHEET
FOR 'S' LINE

PLAN
SCALE: 1"=20'

CONSTRUCTION NOTES:

- | | |
|--|--|
| 1 — NOT USED | 9 — (E)BARN TO BE REMOVED AND WOOD/MATERIALS TO BE SALVAGED. |
| 2 — 'M' 20+31.70-16.38' LT, FACE OF RAIL
BEGIN MGS IN-LINE TERMINAL SYSTEM | 10 — RSP CHECK DAM, SEE DRAINAGE SHEETS |
| 3 — 'M' 22+90.37-16.76' LT, FACE OF RAIL
END MGS, BEGIN TRANSITION RAILING(WB-31) | 11 — NOT USED |
| 4 — 'M' 21+44.77-25.08' RT, FACE OF RAIL
BEGIN MGS IN-LINE TERMINAL SYSTEM | 12 — APPROX LOCATION OF TWO (2) TRAFFIC PULL BOXES (CT STANDARD ES-8B NO. 6(T)).
ONE BOX WITH (C)&(T) AND COUNTY (T), AND ONE BOX WITH (P). |
| 5 — 'M' 22+90.37-16.76' RT, FACE OF RAIL
END MGS, BEGIN TRANSITION RAILING(WB-31) | 13 — 22+74.25-17.00'LT TO 23+14.25-17.00' LT, HMA DIKE (TYPE A) |
| 6 — SEE C-3 SHEET FOR OWINGS DWY | 14 — 21+89.98-19.07' RT, FACE OF RAIL, END IN-LINE TERMINAL SYSTEM, BEGIN MGS |
| 7 — SEE STRUCTURE SHEETS FOR CONTOUR GRADING | 15 — 21+84.67-16.82' LT, FACE OF RAIL, END IN-LINE TERMINAL SYSTEM, BEGIN MGS |
| 8 — REMOVE (E) CULVERT | 16 — SEE "JOINT TRENCH DETAIL", SHT C-1 |
| | 17 — 16" CASING, SEE STRUCTURE PLANS FOR DETAILS |

LEGEND

- EXISTING RIGHT OF WAY
--- RIGHT OF WAY (R/W)
--- SLOPE AND DRAINAGE EASEMENT (S&D)

NOTES:

1. STATION OFFSET DATA PER 'M' LINE
2. SEE TR-SHEETS FOR TREE REMOVAL PLAN.

LAYOUT
SOUTH APPROACH 'M' LINE
SCALE : AS NOTED

REVISION	NUMBER	DATE	DESCRIPTION	BY
	1	01/26/22	REPLACEMENT SHEET	JB



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 11/24/21

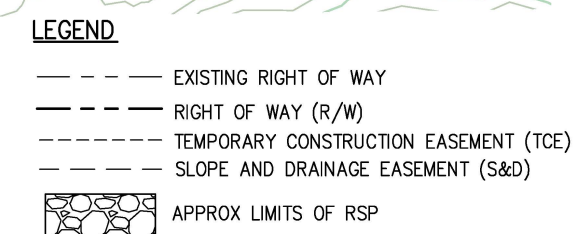
DESIGNED: JB
CHECKED: JN
ROAD NUMBER: 60
DRAWN: RR
DATE: 11/22/21



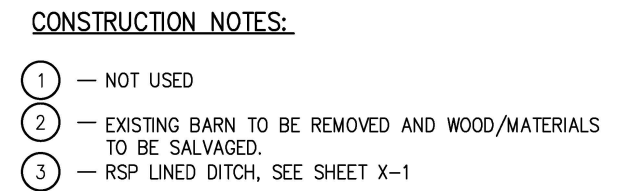
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

MOSQUITO ROAD BRIDGE
at SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT

SHEET
L-1
11 OF 180
W.O. No. 77126



NUMBER	LENGTH	RADIUS	CHORD & LENGTH	DELTA	RADIUS POINT
C1	51.09	40.00	N 73°10'59" E 47.69	73°10'59"	'S' 1+56.87-51' RT
C2	28.70	20.00	N 62°43'43" W 26.30	82°12'54"	'S' 1+43.32-31' LT
C3	53.93	561.00	N 78°55'04" E 53.91	5°30'28"	'S' 1+65.88-550' RT
C4	18.17	300.00	N 77°53'57" E 18.17	3°28'14"	'S' 2+28.63-309' RT
C5	94.35	74.00	S 39°35'48" W 88.08	73°02'54"	'S' 1+90.56-88.66' RT



LAYOUT
'S' LINE
SCALE : AS NOTED

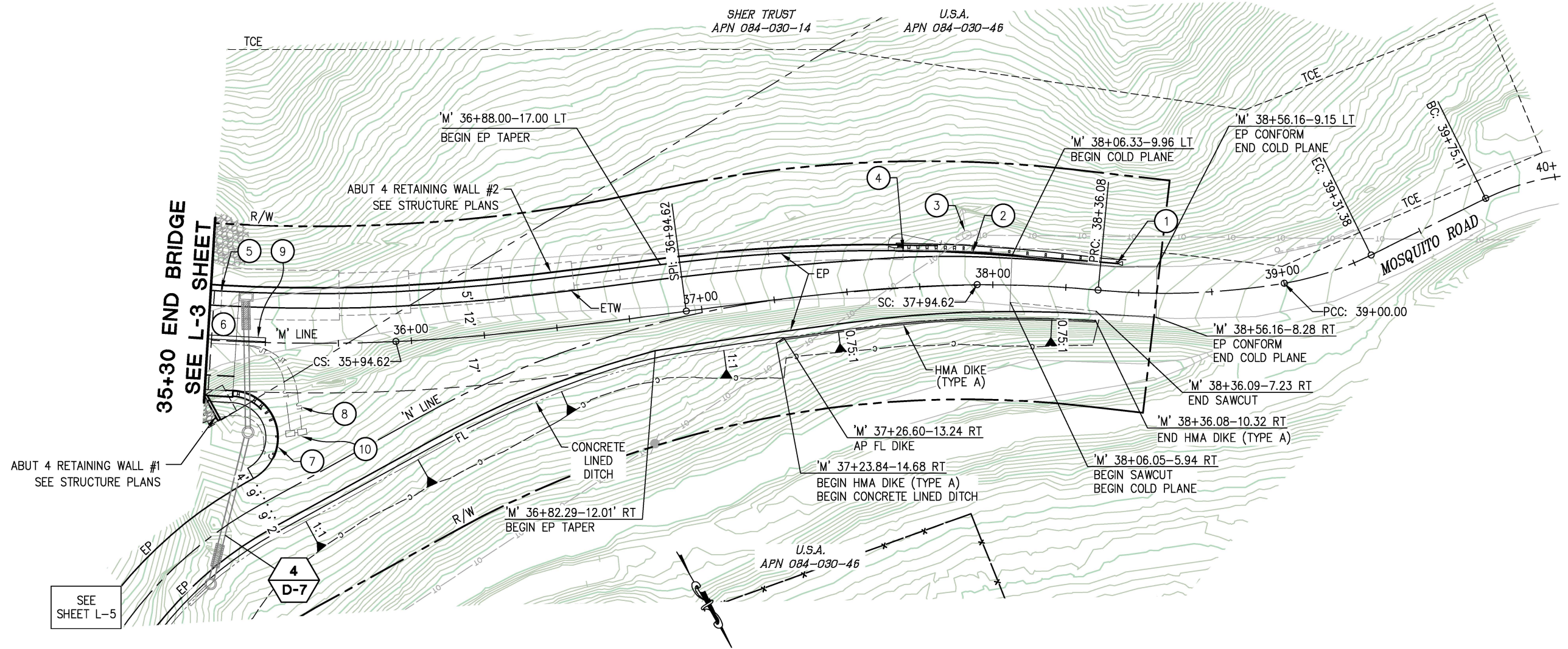
DESIGNED: JB	DRAWN: RR
CHECKED: JN	DATE: 11/01/21
ROAD NUMBER: 60	



**MOSQUITO ROAD BRIDGE
at SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT**

SHEET
L-2 *r*
12 OF 180
O. No. **77126**

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\77126 Mosquito Rd Bridge Replacement\CADD Files\Sheets\L-SHEETS.dwg Layout Tab: L-4 Jan 28, 2022 12:45pm SMC\ey



CONSTRUCTION NOTES:

- 1 — 'M' 38+41.81-9.46' LT, FACE OF RAIL, END IN-LINE TERMINAL SYSTEM
- 2 — 'M' 37+93.25-11.16' LT, FACE OF RAIL, END TRANSITION RAILING (WB-31), BEGIN IN-LINE TERMINAL SYSTEM
- 3 — EXISTING UTILITY POLE, PROTECT IN PLACE
- 4 — BEGIN MGS TRANSITION RAILING (TYPE WB-31)
- 5 — 'M' 35+34.14-17.00' LT BEGIN ABUT 4 RETAINING WALL #2, SEE STRUCTURE PLANS
- 6 — 10' WIDE APPROACH SLAB, SEE STRUCTURE PLANS
- 7 — MGS, SEE SHEET C-2
- 8 — SEE "JOINT TRENCH DETAIL", SHT C-1
- 9 — 16" CASING, SEE STRUCTURE PLANS FOR DETAILS
- 10 — APPROX LOCATION OF TWO (2) TRAFFIC PULL BOXES (CT STANDARD ES-8B NO. 6(T)). ONE BOX WITH (C)&(T) AND COUNTY (T), AND ONE BOX WITH (P).

PLAN

SCALE: 1"=20'

LEGEND

- RIGHT OF WAY (R/W)
- EXISTING RIGHT OF WAY
- TEMPORARY CONSTRUCTION EASEMENT (TCE)

NOTES:

1. STATION OFFSET DATA PER 'M' LINE
2. SEE TR-SHEETS FOR TREE REMOVAL PLAN
3. SEE L-5 SHEET FOR 'N' LINE

LAYOUT
NORTH APPROACH 'M' LINE
SCALE : AS NOTED

REVISION	NUMBER	DATE	DESCRIPTION	BY
	01/26/22		REPLACEMENT SHEET	JB



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
DATE: 11/24/21

DESIGNED: JB
CHECKED: JN
ROAD NUMBER: 60
DRAWN: RR
DATE: 11/22/21



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

MOSQUITO ROAD BRIDGE
at SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT

SHEET
L-4
14 OF 180
W.O. No. 77126

22-0364 A 127 of 135

- 1 — ABUT 4 RETAINING WALL #1, SEE STRUCTURE PLANS
- 2 — SHOULDER WIDTH VARIES, $26' \pm$ TO 2.5'. 2-3' DIA. BOULDERS SHALL BE PLACED AT THE DIRECTION OF THE ENGINEER ALONG THE HINGE TO THE MGS, AND SHALL BE EMBEDDED A MINIMUM 1-2' DEEP. BOULDERS ARE INTENDED TO BE SOURCED FROM PROJECT SITE MATERIALS AND PAID FOR INCIDENTAL TO EARTHWORK OPERATIONS.
- 3 — 'N' LINE 5+87.09-16.84' RT, FACE OF RAIL, BEGIN MGS IN-LINE TERMINAL SYSTEM
- 4 — 'N' LINE 7+49.74-9.0' RT, FACE OF RAIL, END MGS IN-LINE TERMINAL SYSTEM
- 5 — APPROX. LOCATION OF ACCESS GATE, TO BE INSTALLED AFTER THE OPENING OF THE NEW BRIDGE TO TRAFFIC. SEE C-1 SHEET
- 6 — APPROX LOCATION OF TWO (2) TRAFFIC PULL BOXES (CT STANDARD ES-8B NO. 6(T)). ONE BOX WITH (C)&(T) AND COUNTY (T), AND ONE BOX WITH (P).
- 7 — PLACE RSP OVER TOP OF DRAINAGE PIPE, LEVEL WITH HP AND OCPI.
- 8 — RSP, SEE GRID DETAIL ON SHEET X-6.
- 9 — 'N' LINE 6+32.51-9.0' RT, FACE OF RAIL, END TERMINAL SYSTEM, BEGIN MGS
- 10 — 'N' LINE 6+99.74-9.0' RT, FACE OF RAIL, END MGS, BEGIN TERMINAL SYSTEM
- 11 — SEE "JOINT TRENCH DETAIL", SHT C-1
- 12 — 16" CASING, SEE STRUCTURE PLANS FOR DETAILS

PLAN
SCALE: 1"=20'

LEGEND

- — — — — RIGHT OF WAY (R/W)
 — — — — — EXISTING RIGHT OF WAY
 - - - - - TEMPORARY CONSTRUCTION EASEMENT (TCE)

NOTES:

1. STATION OFFSET DATA PER 'N' LINE.
2. SEE TR-SHEETS FOR TREE REMOVAL PLAN.
3. SEE L-4 SHEET FOR 'M' LINE.

LAYOUT
NORTH APPROACH 'N' LINE
SCALE : AS NOTED

**MOSQUITO ROAD BRIDGE
at SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT**


SHEET
L-5 *r*
15 OF 180
W.O. No. 77126

22-0364 A 128 of 135

REVISION		01/26/22	REPLACEMENT SHEET		JB	<div><div><div>REGISTERED PROFESSIONAL ENGINEER</div><div>JONATHAN BALZER</div><div>No. C72291</div><div>License Expires 06-30-22</div><div>STATE OF FLORIDA</div><div>CIVIL</div></div><div>PREPARED UNDER THE SUPERVISION OF : <div>REGISTERED CIVIL ENGINEER</div><div>11/24/21</div></div></div>
	NUMBER	DATE	DESCRIPTION	BY	DATE:	



PREPARED UNDER THE SUPERVISION OF



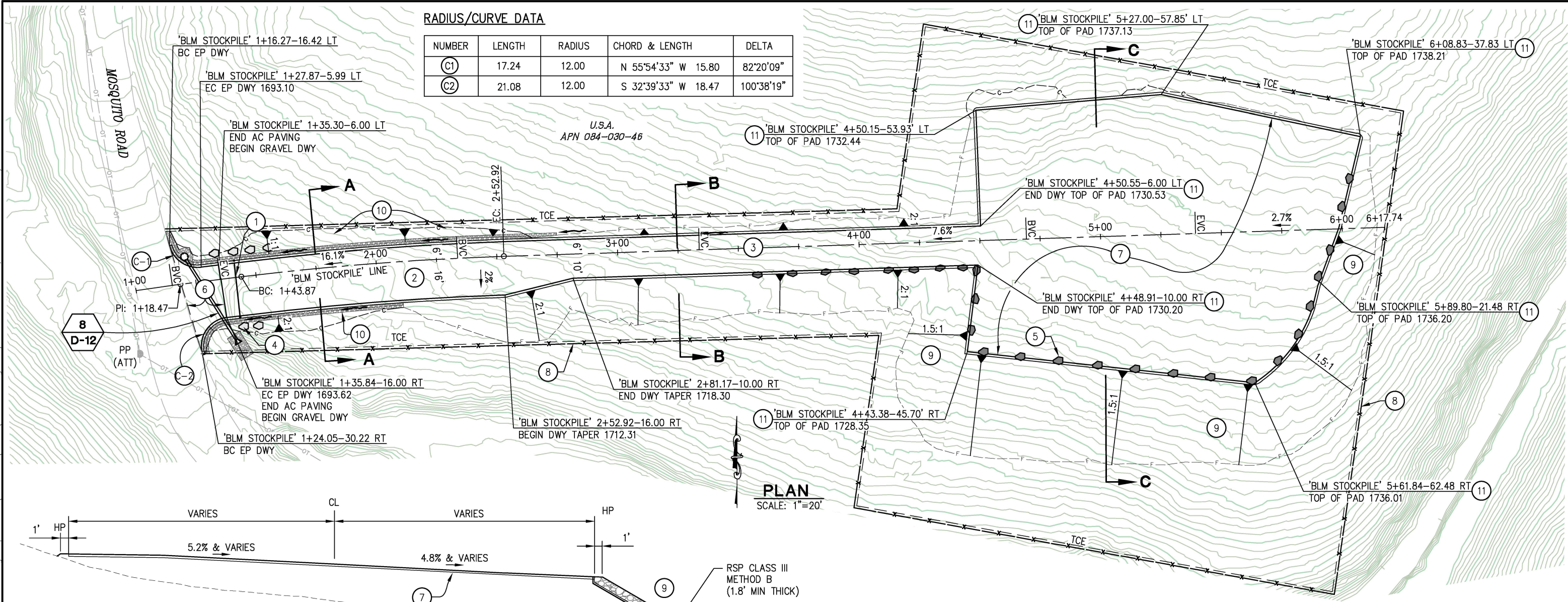
REGISTERED CIVIL ENGINEER

DESIGNED: JB	DRAWN: RR
CHECKED: JN	DATE: 11/22/21
ROAD NUMBER: 60	



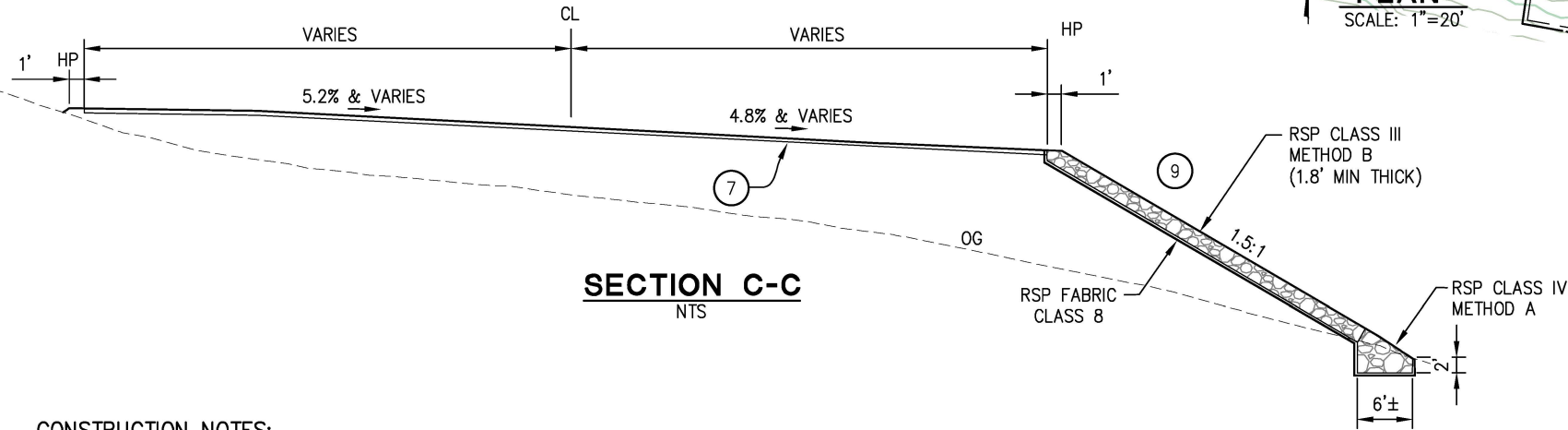
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

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FOR REDUCED PLANS

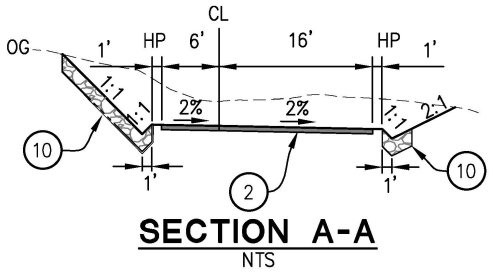


RADIUS/CURVE DATA				
NUMBER	LENGTH	RADIUS	CHORD & LENGTH	DELTA
(C1)	17.24	12.00	N 55°54'33" W 15.80	82°20'09"
(C2)	21.08	12.00	S 32°39'33" W 18.47	100°38'19"

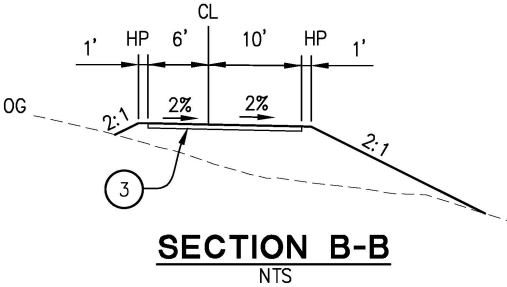
PLAN
SCALE: 1"=20'



SECTION C-C
NTS



SECTION A-A
NTS



SECTION B-B
NTS

- LEGEND**
- TEMPORARY CONSTRUCTION EASEMENT (TCE)
 - DIRECTION OF FLOW
 - 2'-3' DIA BOULDER

- NOTES:**
1. STATION OFFSET DATA PER 'BLM STOCKPILE' LINE.
 2. SEE TR-SHEETS FOR TREE REMOVAL PLAN.
 3. 5' CONTOUR INTERVAL
 4. SEE P-SHEETS FOR DWY PROFILE.
 5. SEE CD-2 SHEET FOR SURVEY AND CONTROL DIAGRAM.

- CONSTRUCTION NOTES:**
- (1) — INSTALL DRIVEWAY ACCESS GATE PER DETAIL ON SHT C-1, APPROX. 20' FROM EDGE OF MOSQUITO ROAD
 - (2) — 22' WIDE DRIVEWAY, (0.50 AB CLASS 2) WITH 1' WIDE SHOULDERS
 - (3) — 16' WIDE DRIVEWAY, (0.50 AB CLASS 2) WITH 1' WIDE SHOULDERS
 - (4) — PLACE 2-3' DIA. BOULDERS ON EACH SIDE OF GATE. BOULDERS ARE INTENDED TO BE SOURCED FROM PROJECT SITE MATERIALS AND PAID FOR INCIDENTAL TO EARTHWORK OPERATIONS.
 - (5) — AS DIRECTED BY THE ENGINEER, PLACE 2-3' DIA. BOULDERS ALONG THE HINGE WITH A MINIMUM 1-2' EMBEDMENT, WITH 5' MAXIMUM SPACING. BOULDERS ARE INTENDED TO BE SOURCED FROM PROJECT SITE MATERIALS AND PAID FOR INCIDENTAL TO EARTHWORK OPERATIONS.
 - (6) — 0.25' HMA TYPE A, 0.5' AB (CLASS 2)
 - (7) — 0.50' AB (CLASS 2)
 - (8) — TEMPORARY ORANGE SILT FENCE PLACED ALONG TCE.
 - (9) — RSP, CLASS III, METHOD B, ON 1.5:1 SLOPE
 - (10) — RSP, CLASS II, METHOD B, 1.8' MIN THICKNESS, W/ FILTER FABRIC (CLASS 8)
 - (11) — BLM STOCKPILE "TOP OF PAD" ELEVATIONS MAY BE REVISED TO REDUCE EMBANKMENT FILL QUANTITY, SUBJECT TO ENGINEER APPROVAL.

01/26/22 REPLACEMENT SHEET		DESIGNED: JB		DRAWN: RR	
CHECKED: JN		DATE: 11/22/21		ROAD NUMBER: 60	
NUMBER		DATE		DESCRIPTION	
BY		DATE		DESCRIPTION	

REGISTERED PROFESSIONAL ENGINEER
JONATHAN BALZER
No. C72291
License Expires 06-30-22
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
REGISTERED CIVIL ENGINEER
11/24/21

COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

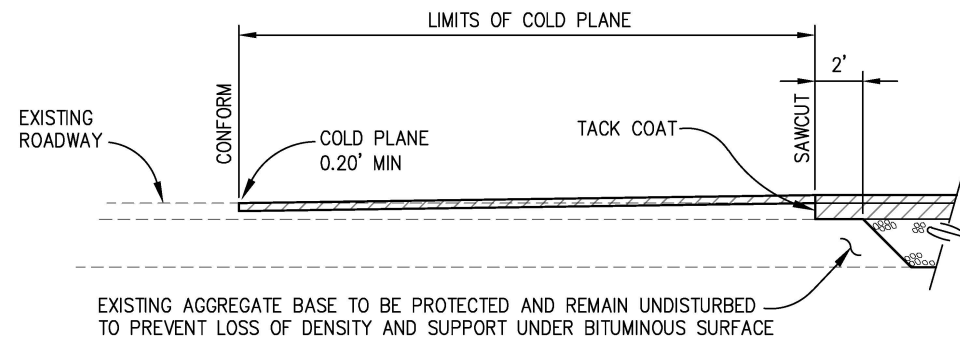
MOSQUITO ROAD BRIDGE
at SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT

LAYOUT
BLM STOCKPILE
SCALE: AS NOTED

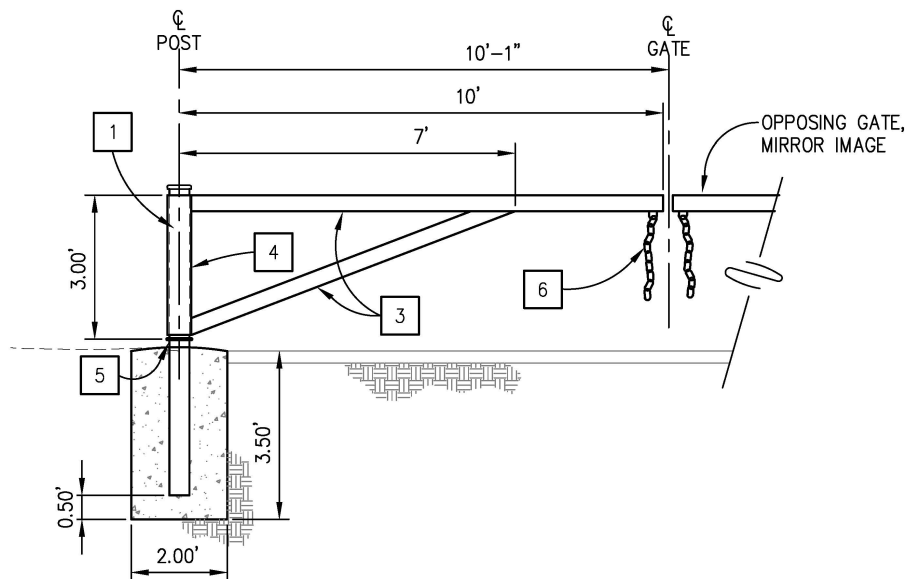
SHEET
L-6
16 OF 180
W.O. No. 77126

22-0364 A 129 of 135

ORIGINAL SCALE: 1/8" = 1'-0" INCHES
Drawing name: Z:\Civil 3D Projects\77126 Mosquito Rd Bridge Replacement\CADD Files\Sheets\C-1 SHEET.dwg Layout Tab: C-1 Jan 27, 2022 7:03am SMC/ky
FOR REDUCED PLANS



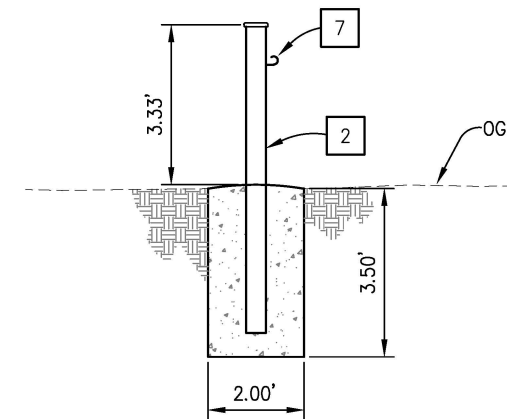
1 COLD PLANE CONFORM DETAIL
NTS



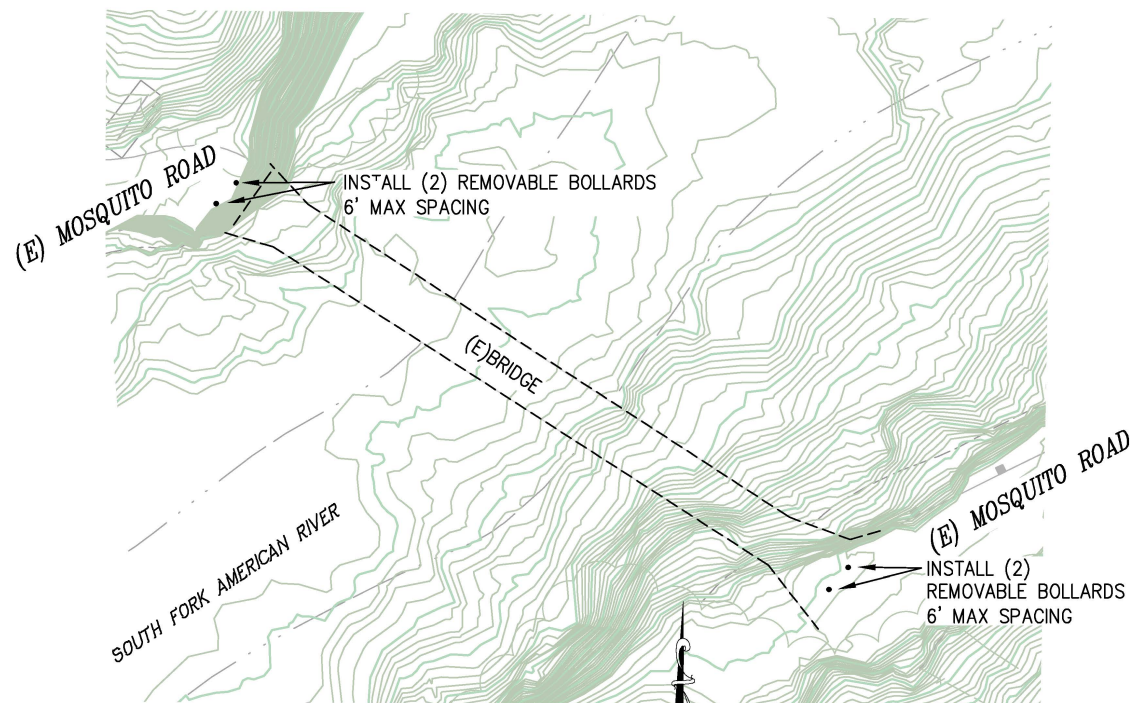
2 20' PERMANENT ACCESS GATE
N.T.S.

ACCESS GATE CONSTRUCTION NOTES:

- 1 — 5" O.D. ROUND STRUCTURAL TUBING (3/8" WALL) TO BE THREADED AND CAPPED
CENTER POST — 'N' 5+90.14-10' LT
'N' 5+90.14-10.16' RT
- 2 — 5" O.D. ROUND STRUCTURAL TUBING CLOSED POST (3/8" WALL)
CENTER POST — 'N' 6+00.87-10' LT
'N' 5+99.34-10.61' RT
- 3 — 4" O.D. ROUND STRUCTURAL TUBING (1/8" WALL)
- 4 — 6" O.D. ROUND STRUCTURAL TUBING (3/16" WALL)
- 5 — 1" WIDE RING WELDED TO TUBE TO SUPPORT GATE
- 6 — 1/2" ROUND CASE HARDENED STOCK CHAIN, 2.5' LONG
- 7 — PIPE OPENING TO RETAIN CHAIN AND HOLD GATE OPEN

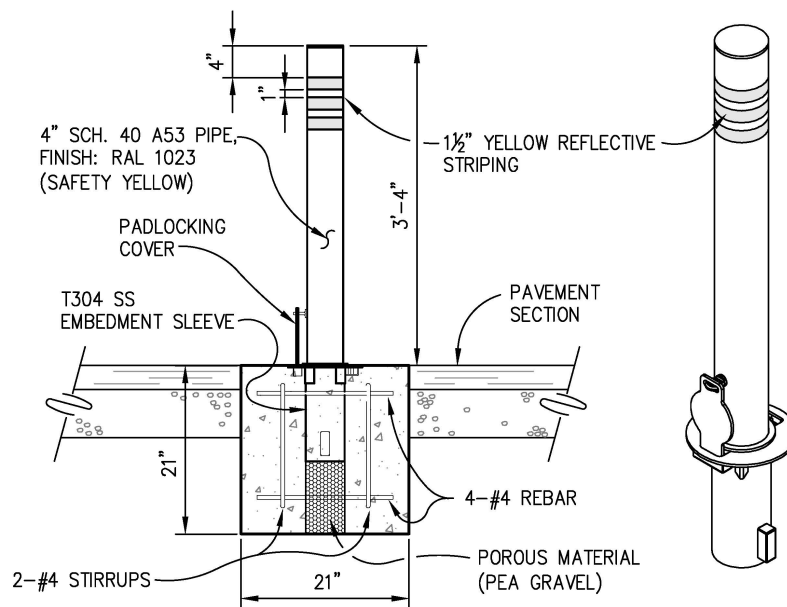


3 GATE STOP
N.T.S.

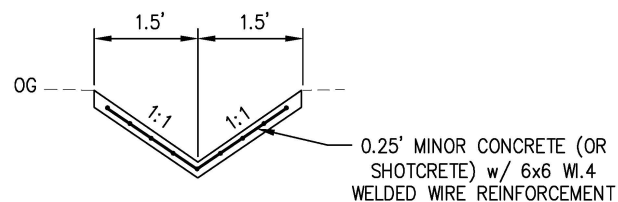


PLAN
EXISTING MOSQUITO BRIDGE
SCALE: 1"=20'

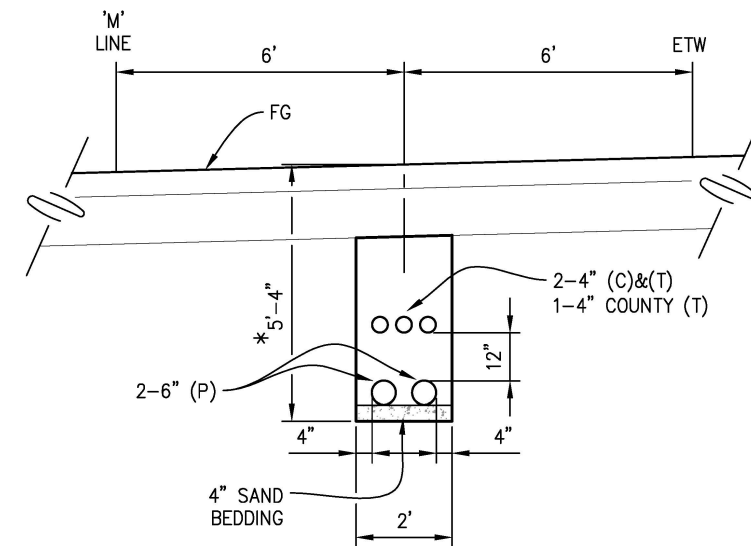
NOTE:
EXACT LOCATION OF THE BOLLARDS
SHALL BE DETERMINED BY THE ENGINEER



REMOVABLE BOLLARD DETAIL
NTS



CONCRETE LINED DITCH
NTS



JOINT TRENCH DETAIL
NTS

* TRENCH DEPTH VARIES:
5'-4" TYPICAL
6'-6" AT VAULTS
8'-4" AT STORM DRAIN CROSSING (STA 'M' ±35+43)

CONSTRUCTION DETAILS
SCALE : AS NOTED

REVISION	NUMBER	DATE	DESCRIPTION	BY
	01/26/22		REPLACEMENT SHEET	JB



PREPARED UNDER THE SUPERVISION OF :
REGISTERED CIVIL ENGINEER
DATE: 11/24/21

DESIGNED: JB
CHECKED: JN
ROAD NUMBER: 60
DRAWN: RR
DATE: 11/22/21



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

MOSQUITO ROAD BRIDGE
at SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT

SHEET
C-1
25 OF 180
W.O. No. 77126

2 ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\77126 Mosquito Rd Bridge Replacement\CADD Files\Sheets\C-2 SHEET.dwg Layout Tab: C-2 Jan 28, 2022 12:47pm SiteView
FOR REDUCED PLANS

CONSTRUCTION NOTES:

- 1 — APPROX LOCATION OF TWO (2) TRAFFIC PULL BOXES (CT STANDARD ES-8B NO. 6(T)). ONE BOX WITH (C)&(T) AND COUNTY (T), AND ONE BOX WITH (P).
- 2 — ABUT 4 RETAINING WALL #1, SEE STRUCTURE PLANS
- 3 — 0.5' HMA (TYPE A), 1.0' AB (CLASS 2) ('M'-LINE & INTERSECTION, END AT STA 'N' 5+20.79) SEE SHEET X-5 AND SC-4 STAGE 0 NOTES
- 4 — 0.33' HMA (TYPE A), 0.67' AB (CLASS 2) (BEGIN AT 'N' LINE STA 5+20.79) THRIE BEAM BARRIER TRANSITION RAILING (TYPE STB) PER CALTRANS STD PLAN A78J, R=16.00'
- 6 — THRIE BEAM END ANCHOR ASSEMBLY (DEPARTURE END) PER CALTRANS STD PLAN A78E1 w/TYPER 'TA' RETURN CAP
- 7 — NOT USED
- 8 — SEE "JOINT TRENCH DETAIL", SHT C-1
- 9 — 16" CASING, SEE STRUCTURE PLANS FOR DETAILS

RADIUS/CURVE DATA

NUMBER	LENGTH	RADIUS	CHORD & LENGTH	DELTA	RADIUS PNT
C1	41.47	16.00	S 17°00'21" W 30.79	148°36'14"	'N' 5+20.75 - 24.99' RT

PLAN
SCALE: 1"=5'

NOTES:

- 1. STATION OFFSET DATA PER 'N' LINE.
- 2. 2:1 CUT/FILLS, UNLESS NOTED
- 3. 5' CONTOUR INTERVAL ('N' LINE)

CONSTRUCTION DETAIL
NORTH INTERSECTION
SCALE : AS NOTED



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 11/24/21

DESIGNED: JB
DRAWN: RR
CHECKED: JB
DATE: 11/22/21
ROAD NUMBER: 60



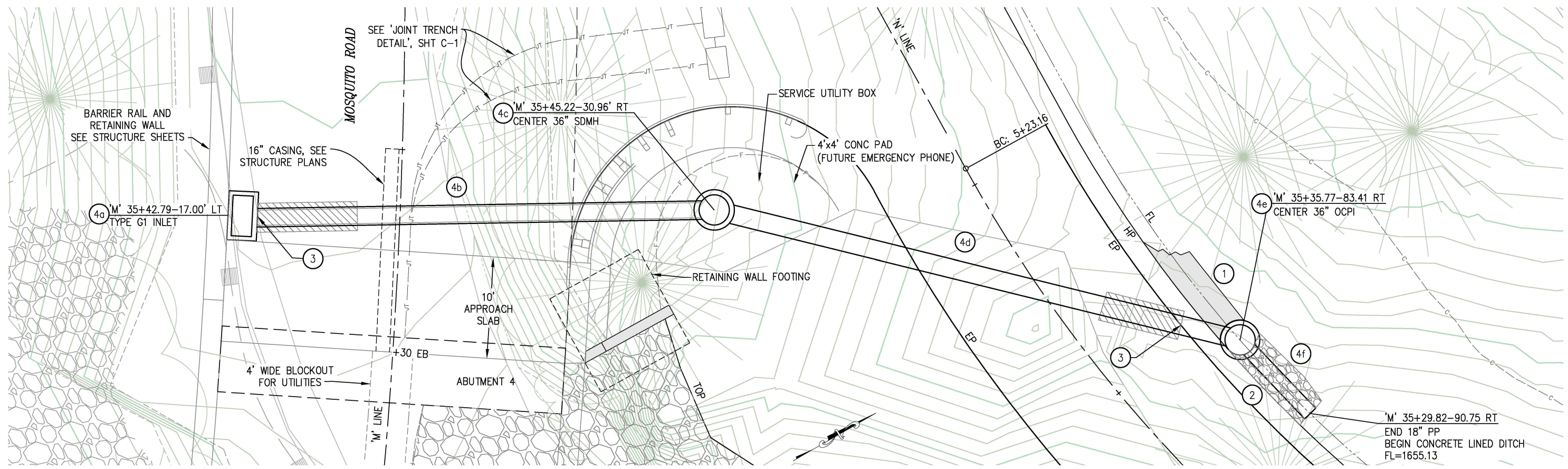
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

MOSQUITO ROAD BRIDGE
at SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT

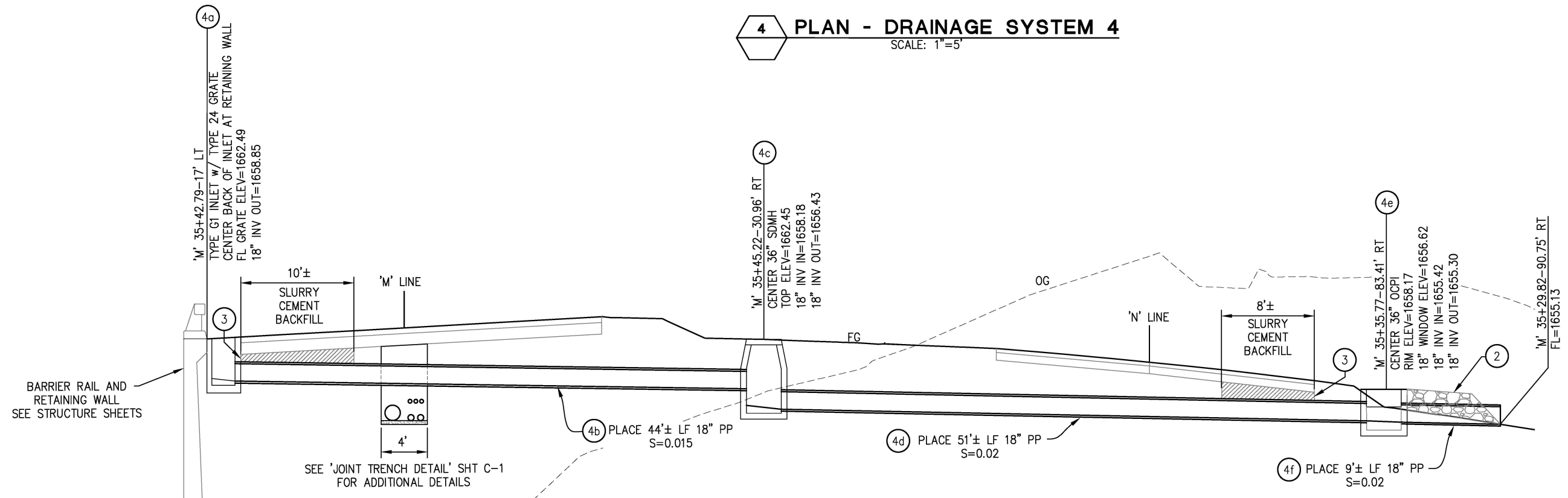
SHEET
C-2
26 OF 180
W.O. No. 77126

ORIGINAL SCALE IS IN INCHES
Drawing name: Z:\Civil 3D Projects\77126 Mosquito Rd Bridge Replacement\CADD Files\Sheets\D-SHEETS.dwg Layout Tab: D-7 Jan 28, 2022 12:55pm SMC\ey

FOR REDUCED PLANS



4 PLAN - DRAINAGE SYSTEM 4
SCALE: 1"=5'



4 PROFILE - DRAINAGE SYSTEM 4
SCALE: 1"=5' H,V

CONSTRUCTION NOTES:

- 1 CONCRETE LINED V-DITCH, END AT OCPI WINDOW OPENING
- 2 PLACE RSP ON TOP OF 18" PIPE AND LEVEL WITH THE HINGE POINT AND TOP OF OCPI
- 3 PLACE SLURRY CEMENT BACKFILL TO THE BOTTOM OF STRUCTURE SECTION AS SHOWN.

NOTES:
1. STATION/OFFSET DATA PER 'M' LINE

DRAINAGE SYSTEM 4
SCALE : AS NOTED

REVISION	NUMBER	DATE	DESCRIPTION	BY
	1	01/26/22	REPLACEMENT SHEET	JB



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REGISTERED CIVIL ENGINEER
DATE: 11/24/21

DESIGNED: JB
CHECKED: JN
ROAD NUMBER: 60
DATE: 11/22/21



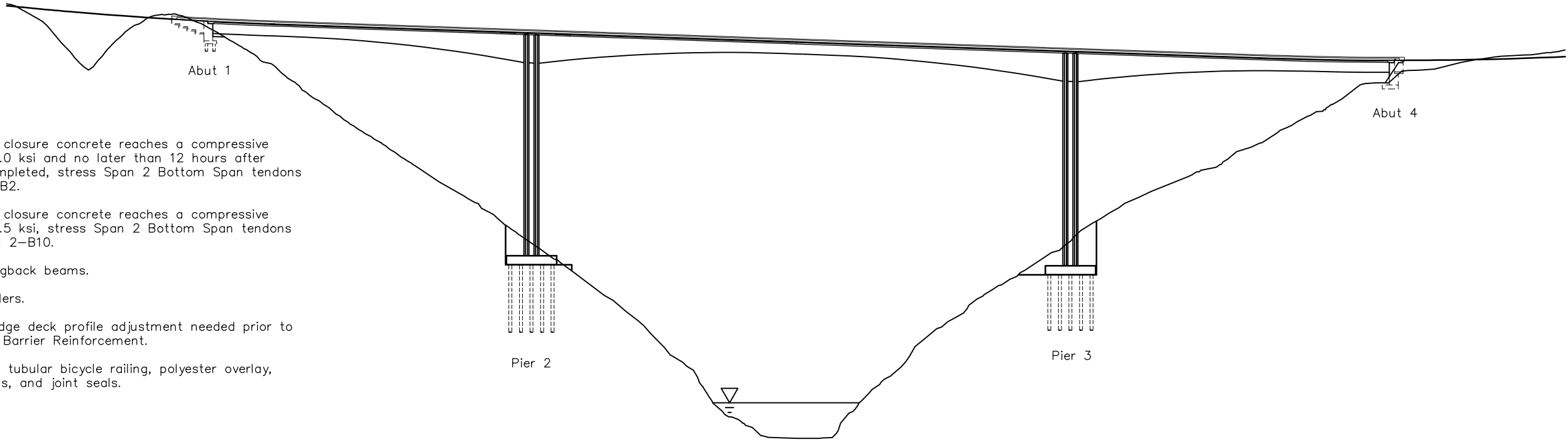
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

MOSQUITO ROAD BRIDGE
at SOUTH FORK AMERICAN RIVER
BRIDGE REPLACEMENT

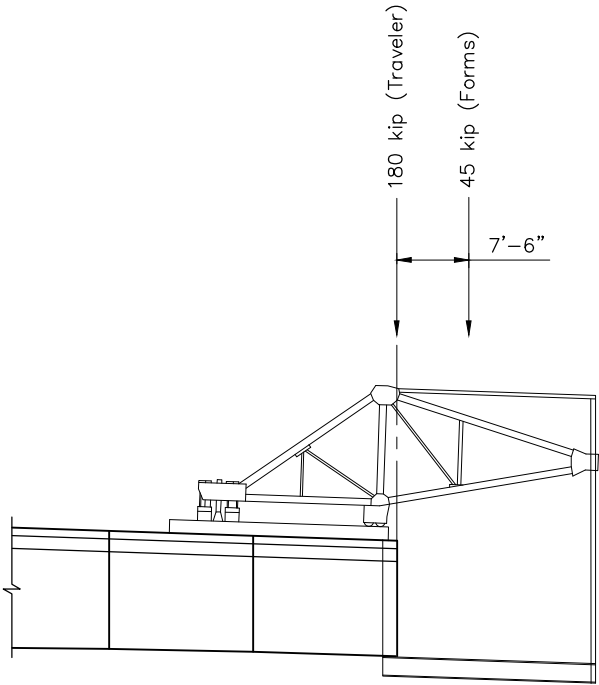
SHEET
D-7
34 OF 180
W.O. No. 77126

Stage 11:

1. After Span 2 closure concrete reaches a compressive strength of 2.0 ksi and no later than 12 hours after closure is completed, stress Span 2 Bottom Span tendons 2-B1 and 2-B2.
2. After Span 2 closure concrete reaches a compressive strength of 3.5 ksi, stress Span 2 Bottom Span tendons 2-B3 through 2-B10.
3. Remove strongback beams.
4. Remove travelers.
5. Determine bridge deck profile adjustment needed prior to placement of Barrier Reinforcement.
6. Install barrier, tubular bicycle railing, polyester overlay, approach slabs, and joint seals.



STAGE 11
NTS



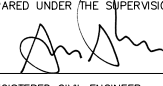
TRAVELER AND FORM WEIGHT DETAIL
NTS

NOTES:

1. The erection sequence shown here is included to convey the design assumptions. A detailed erection sequence, including calculations and detailed drawings, shall be submitted to the Engineer for approval prior to erection.
2. Assumed timing for creep and shrinkage calculations:
 - A. 6 Day cycle per segment pair
 - B. Age of concrete for all falsework sections at time of first loading = 28 days
 - C. Segment age at time of cantilever tendon stressing = 1 day
3. Assumed construction loading in accordance with AASHTO LRFD 5.14.2.3 is listed below except as described in Note 4.
 - A. DC, DW, CR, SH, T as defined in AASHTO LRFD 6th Edition for the structure permanent design
 - B. DIFF = accidental 2% increase of girder dead load applied to one cantilever to maximize column out-of-balance
 - C. CLL = 0.005 ksf on one cantilever/0.010 ksf on the other cantilever applied to maximize column out-of-balance
 - D. CEQ = Weight of traveler and forms as shown in the "Traveler and Form Weight Detail"
 - E. IE = 0
 - F. CLE = 0
 - G. WUP = 0.005 ksf of deck area applied upward to one cantilever to maximize column out-of-balance, included only for transverse wind cases
4. Construction loading defined in AASHTO LRFD 5.14.2.3 has been modified as follows:
 - A. WS = Calculated per AASHTO LRFD 8th Edition and AASHTO Guide Specification for Wind Loads on Bridges During Construction 1st Edition using a 1.0 load factor and 0.77 wind speed reduction factor for all cases resulting in the following 3-second gust speeds:
 - i. Service I and Table 5.14.2.3.3-1 'e' and 'f' = 54 mph
 - ii. Table 5.14.2.3.3-1 'c' and 'd' = 65 mph
 - iii. Strength III = 85 mph
 - B. Strength checks for the accident condition defined in AASHTO LRFD 5.14.2.3.4a have been considered for the superstructure and substructure design. For these scenarios, CEQ is taken as the weight of one traveler and its forms applied downward on one cantilever. The sum of "A + A1" is taken as the weight of one traveler and its forms applied upward on the other cantilever.

REVISION	1	1/28/22	SHEET REPLACED	RA
	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
DATE: 1/28/22

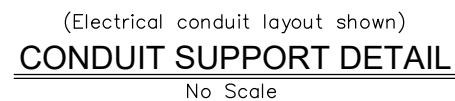
DESIGNED: MJZ
CHECKED: CJH
ROAD NUMBER: 60
DRAWN: AOS
DATE: 1/28/2022



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

MOSQUITO ROAD AT
SOUTH FORK AMERICAN RIVER BRIDGE REPLACEMENT
CONSTRUCTION SEQUENCE DETAILS NO. 6

SHEET
CSD-6
166 OF 180
W.O. No. 77126

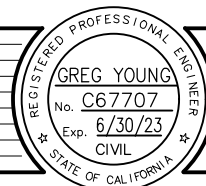


P = 6" Diameter Electrical conduits (Total 2)

-
- The image contains two technical drawings, one for an **ABUTMENT** and one for a **PIER**, showing the deck, access opening, and cable arrangements.
- ABUTMENT:** The drawing shows a deck with four cable anchors. A vertical dashed line is labeled "M" Line. A horizontal arrow labeled "Var" points to the left. The bottom of the deck is indicated. The top of the access opening is shown. The distance from the bottom of the deck to the top of the access opening is labeled "4'-4" @ Abut 1" and "7'-2" @ Abut 4".
- PIER:** The drawing shows a deck with four cable anchors. A vertical dashed line is labeled "M" Line. A horizontal arrow labeled "Var" points to the left. The bottom of the deck is indicated. The top of the access opening is shown. The distance from the bottom of the deck to the top of the access opening is labeled "7'-2" Typ."

Note:
See Abutment Layout sheets for
backwall utility opening details.

REVISION	1	1/28/22	Sheet Replaced, Added 4" conduit, called out FW inserts	GY



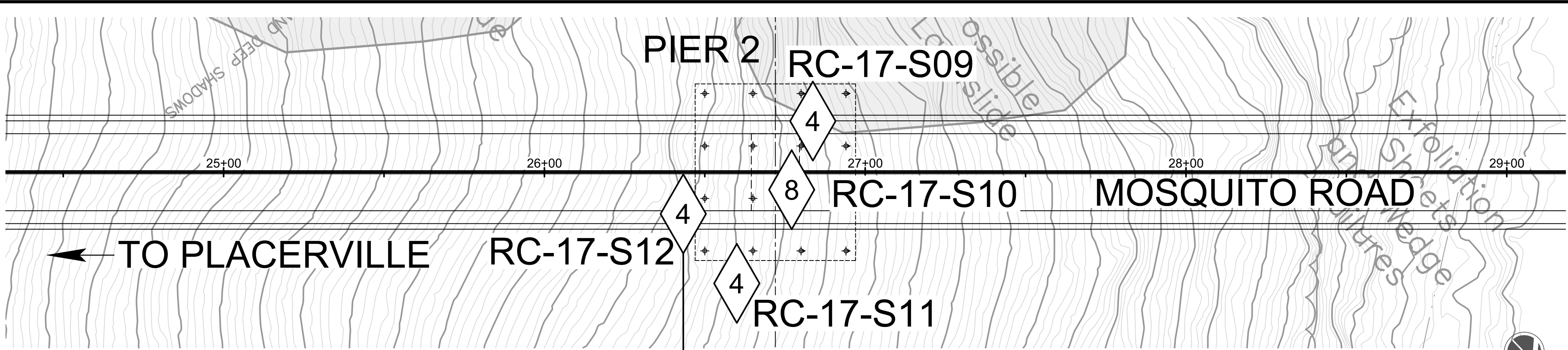
DATE _____

DESIGNED: GRY	DRAWN: PSK
CHECKED: JSQ	DATE: 1/27/2022
ROAD NUMBER: 60	

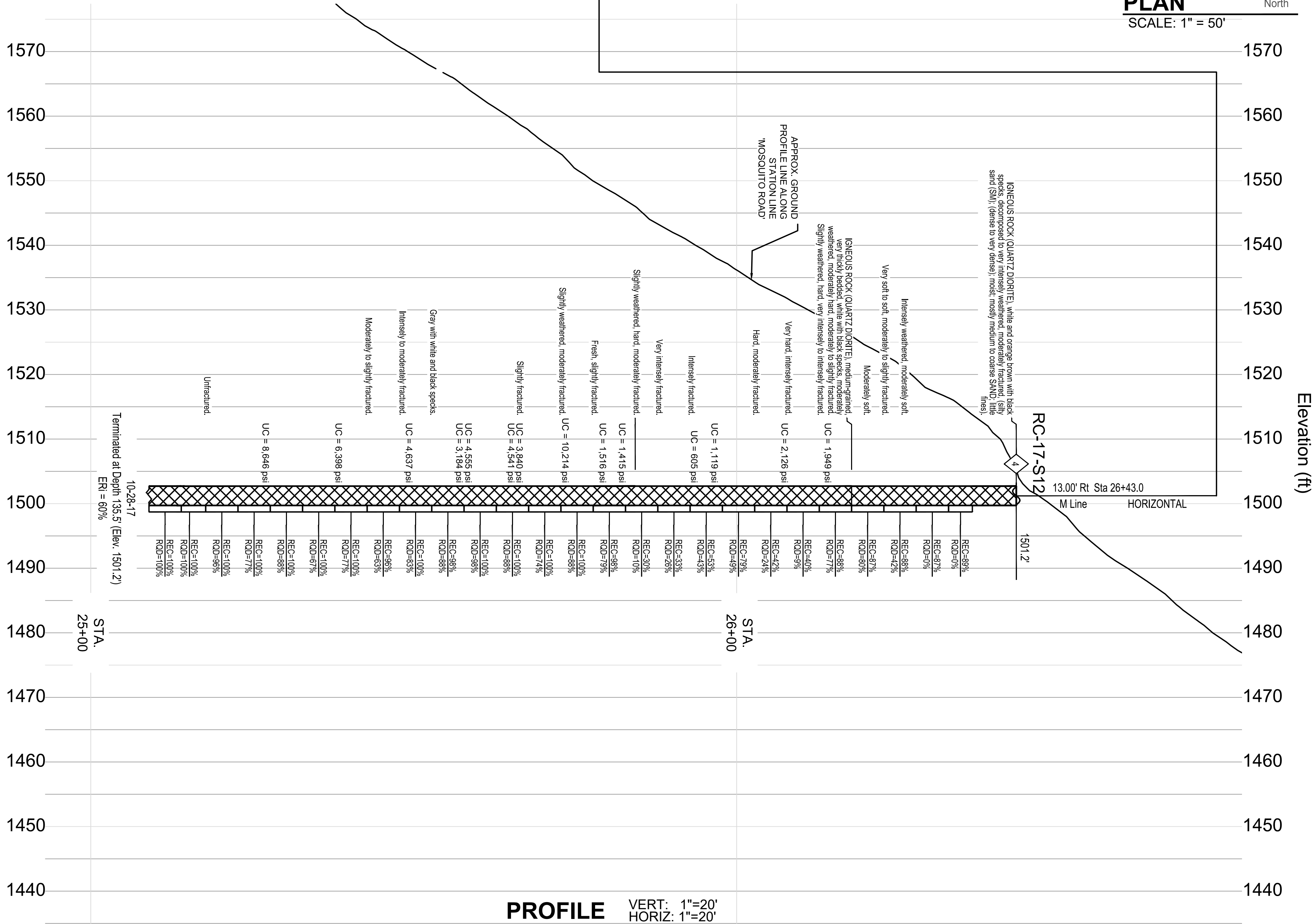


MOSQUITO ROAD AT SOUTH FORK AMERICAN RIVER BRIDGE REPLACEMENT UTILITY DETAILS

SHEET
UD-1 *r*
167 OF 180
D. No. **77126**

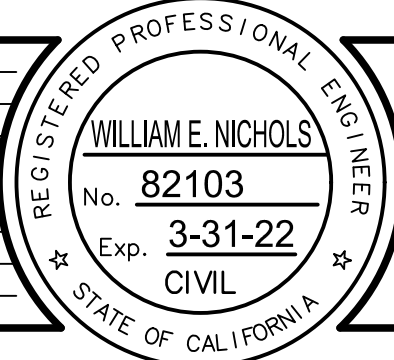


PLAN
SCALE: 1" = 50'



PROFILE
VERT: 1"=20'
HORIZ: 1"=20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
12/15/21
DATE:

DESIGNED: ---
DRAWN: B.J.U.
CHECKED: W.E.N.
DATE: 6/2/2020
ROAD NUMBER: 60



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

MOSQUITO ROAD BRIDGE AT
SOUTH FORK AMERICAN RIVER BRIDGE REPLACEMENT
LOG OF TEST BORINGS NO. 4 OF 8

SHEET
LTB-4
176 OF 180
W.O. No. **77126**