

SMITH
RIVER
ALLIANCE

Smith River Alliance
2022 Rawson Culvert Replacement Project
Construction Documents

November 10, 2021

Project #: 2022-1

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ADVERTISEMENT FOR BIDS
2022 Rawson Culvert Replacement Project

Smith River Alliance
Contract Owner
PO Box 2129
Crescent City, California 95531

Address

A conditional or qualified bid will not be accepted if it modifies the Plans or Specifications or method of work. An optional **pre-bid meeting** is scheduled for **TUESDAY, NOVEMBER 30 at 10AM** at the Rawson's parcel located on a private parcel on Fred Haight Drive, Smith River, CA. See maps in Information for Bidders.

The work consists of the furnishing of all labor, equipment, and supervision for restoration of the Morrison Creek Tributary Fish Passage Project. The work generally includes tree removal, excavation, sediment hauling, native backfill, channel rock installation, placement of large wood structures, channel control structures, and bridge and culvert installation.

The total available funds for the project is \$275,000

Bids will be received electronically by submitting through email to the Program Director at marisa@smithriveralliance.org by no later than **5 PM** Pacific Standard Time on **FRIDAY, DECEMBER 10, 2021**.

Copies of the contract documents may be viewed and downloaded from Smith River Alliance's website, [HERE](https://smithriveralliance.org/library/) (<https://smithriveralliance.org/library/>).

Each proposal must be submitted on the prescribed form. Successful bidders will be required to furnish both a Payment Bond and Performance Bond in the full amount of the Contract Price.

In accordance with Public Contract Code Section 10263 and with concurrence of the project funding agencies, the Contractor may be allowed to substitute securities for monies normally withheld by the owner to insure performance under this contract.

This is a Public Works Project funded with Federal and CA State funds.

In accordance with the provisions of section 1720 et seq. of the Labor Code, the Division of Labor Standards and Research has determined the general prevailing rates or wages and employer payments for health and welfare, pension, vacation, travel time, and subsistence pay as provided for in section 1773.8. These wages are set forth in the General Prevailing Wage Rates for this project, and are available for review at the office of SRA, 145 Cable Lane, Crescent City, California and available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov/DLSR/PWD>. Contractor will be required to comply with any changes in these wage rates as they are updated by the State government during the course of the job at no cost to the Owner. It shall be mandatory upon the Contractor herein and upon any Subcontractor to pay not less than the said specified rates to all laborers, workers and mechanics employed by them in the execution of the Agreement pursuant to CA Labor Code 1774.

Attention is directed to the provisions in section 1777.5 and sections 1777.6 of the Labor Code concerning the requirement to employ apprentices by the Contractor or any Subcontractor under it.

The Contractor shall comply with and shall cause his subcontractors to comply with all laws and regulations governing the contractor's and subcontractor's performance on this project including, but not limited to: anti-discrimination laws, workers' compensation laws, and prevailing wage laws as set forth in CA Labor Code, Sections 1720-1861 et seq. and licensing laws, the Copeland "Anti-Kickback" Act (40 USC 276©; and the Contract Work Hours and Safety Standards Act (CWHSSA) (40 USC 327-333). The contractor is required to include the prevailing wage language in all subcontracts pursuant to CA Labor Code 1775(E)(b)(1). The Contractor shall post, at appropriate conspicuous points on the site of the Project, a schedule showing all the determined general prevailing wage rates.

The Contractor agrees to comply with Labor Code Section 1775 (Payment of the Prevailing Wage Rates) and Labor Code 1776 (keeping accurate records) and Labor Code 1777.5, placing responsibility for compliance with the statutory requirements for all apprenticeable occupations on the prime contractor.

The Contractor shall comply with the requirements imposed by the California Labor Code Sections 1720 through 1861 regarding public works projects and prevailing wage laws and sections 16000-16800 of the CA Code of Regulations.

Each worker needed to execute the work must be paid travel and subsistence payments as defined in the applicable collective bargaining agreements filed in accordance with Labor Code Section 1773.8.

Holiday and overtime work when permitted by law shall be paid for at a rate of at least one and one-half times the above specified rate of per diem wages, unless otherwise specified.

Contractors and any Subcontractors shall be assessed penalties for violating the following labor codes; CA Labor Code 1813 for overtime, 1775 for underpayment of the prevailing wage, and 1776 for inaccurate or incomplete payroll records.

The Contractor shall be responsible for submitting certified payroll records in accordance with Labor Code 1776 and submit copies to SRA.

No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

By: Patricia McCleary, Project Manager

Dated: November 10, 2021

PART 1: BIDDING REQUIREMENTS

INFORMATION FOR BIDDERS

Bids will be received by the Smith River Alliance (SRA) (herein called the "Owner"), electronically by emailing the submission to the Program Director at marisa@smithriveralliance.org, until the time listed in the Advertisement for Bids.

Each bid shall have a subject title of **BID FOR 2022 Rawson CULVERT REPLACEMENT PROJECT**, and the body of the email shall include the name of the bidder, his address, his license number if applicable, and the name of the Schedule for which the bid is submitted.

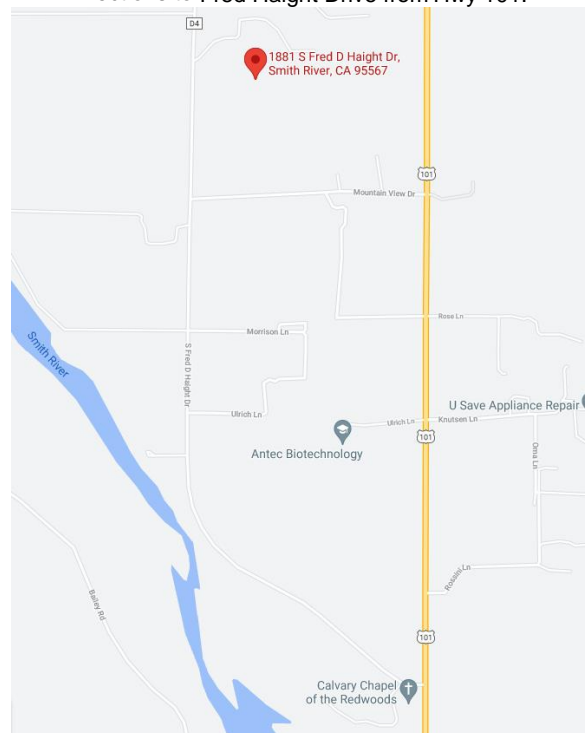
Bids received after the time specified opening will not be considered. The bidder is solely responsible for timely delivery of his bid.

An optional pre-bid site inspection conference is scheduled for **TUESDAY, NOVEMBER 30 at 10AM** at the Rawson's parcel in Smith River, CA. (see maps below). The project area is accessed by a private property on S Fred Haight Drive in the Morrison Creek watershed. From Crescent City, CA, head north on Highway 101, after crossing over the Smith River bridge, turn left (west) onto S Fred Haight Drive and travel 1.6 miles to a private driveway (1881) on the east side of the road. Turn right (east) onto the Rawson property. Meet at the gate and the group will travel together to the site on the eastern side of the property.

Directions to Fred Haight Drive from Hwy 101.



Directions to Fred Haight Drive from Hwy 101.



All bids must be made on the required bid form. All blank spaces for bid prices must be filled in, in ink or typewritten, and the bid form must be fully completed and executed when submitted. Only one copy of the bid form is required.

Awards will be made to the lowest, responsive, responsible BIDDER in accordance to the requirements on the bid form. One of the requirements for being deemed responsive and responsible is that the bidder must meet all of the minimum qualification requirements set forth in the Bidder's Qualification Summary.

The Owner may waive any informalities or minor defects or reject any and all bids. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered.

No bidder may withdraw a bid within 60 days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period; the time may be extended by mutual agreement between the Owner and the bidder.

Bid Protest. Any bid protest must be in writing and received by the Owner at SRA, 145 Cable Lane, Crescent City, California 95531 before 5:00 p.m. no later than two (2) working days following bid opening (the "Bid Protest Deadline") and must comply with the following requirements below.

Only a bidder who has actually submitted a Bid Proposal is eligible to submit a bid protest against another bidder. Subcontractors are not eligible to submit bid protests. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.

The bid protest must contain a complete statement of the basis for the protest and all supporting documentation. Material submitted after the Bid Protest Deadline will not be considered. The protest must refer to the specific portion or portions of the Contract Documents upon which the protest is based. The protest must include the name, address and telephone number of the person representing the protesting bidder if different from the protesting bidder.

A copy of the protest and all supporting documents must also be transmitted by fax or by e-mail, by or before the Bid Protest Deadline, to the protested bidder and any other bidder who has a reasonable prospect of receiving an award depending upon the outcome of the protest

The protested bidder may submit a written response to the protest, provided the response is received by Owner before 5:00 p.m., within two (2) working days after the Bid Protest Deadline or after receipt of the bid protest, whichever is sooner (the "Response Deadline"). The response must include all supporting documentation. Material submitted after the Response Deadline will not be considered. The response must include the name, address and telephone number of the person representing the protested bidder if different from the protested bidder.

A copy of the response and all supporting documents must also be transmitted by fax or by e-mail, by or before the Bid Protest Deadline, to the protested bidder and any other bidder who has a reasonable prospect of receiving an award depending upon the outcome of the protest.

The procedure and time limits set forth in this section are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue a bid protest, including filing a Government Code Claim or initiation of legal proceedings.

Bidders must satisfy themselves of the accuracy of the estimated quantities in the bid schedule by examination of the site and a review of the Plans and Specifications including addenda. After bids have been submitted, the bidder shall not assert that there was a misunderstanding concerning the quantities of work or of the nature of the work to be done.

Each bid must be accompanied by a bid bond payable to the Owner, for ten percent of the total amount of the bid. As soon as the bid prices have been compared, the Owner will return the bonds of all except the three lowest responsible bidders. When the Agreement is executed, the bonds of the two remaining unsuccessful bidders will be returned. The bid bond of the successful bidder(s) will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned. A certified check may be used in lieu of a bid bond.

A performance bond and a payment bond, each in the amount of 100 percent of the contract price, with a corporate surety approved by the Owner and in favor of the SRA and CDFW will be required for the faithful performance of the contract.

Attorneys-in-fact who sign bid bonds or payment bonds and performance bonds must file with each bond a certified and effective dated copy of their power of attorney.

The party to whom the contract is awarded will be required to execute the Agreement and obtain the performance bond and payment bond within **fourteen (14) calendar days** from the date when Notice of Award is delivered to the bidder. The Notice of Award shall be accompanied by the necessary Agreement and bond forms. In case of failure of the bidder to execute the Agreement, the Owner may at his option consider the bidder in default, in which case the bid bond accompanying the proposal shall become the property of the Owner.

The Owner, within thirty (30) calendar days of receipt of an acceptable performance bond, payment bond and Agreement signed by the party to whom the Agreement was awarded shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the Owner not execute the Agreement within such period, the bidder may submit a written notice to withdraw his signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the Owner.

The Notice to Proceed shall be issued within thirty (30) days of the execution of the Agreement by the Owner. Should there be reasons why the Notice to Proceed cannot be issued within such period, the time may be extended by mutual agreement between the Owner and Contractor.

In essence, the contract owner will strive to expedite all review processes that it is responsible for, as set forth above in an attempt to issue the Notice to Proceed by **January 14, 2022** or as soon thereafter as reasonable.

If the Notice to Proceed has not been issued within the thirty (30) day period or within the period mutually agreed upon, the Contractor may terminate the Agreement without further liability on the part of either party.

If the Total Bid from the party to whom the contract is awarded is greater than the available funds, a Contract and Notice to Proceed will first be completed for the work outlined in the Base Bid. The Owner will work to secure additional funds to cover the Additive Bid and if successful, a second or revised Contract and Notice to Proceed for the Total Bid will be issued no later than **May 30, 2022**. Both contracts would need to be implemented in 2022.

The Owner may make such investigations as deemed necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the Agreement and to complete the work contemplated therein. As a minimum, the bidder must meet all the requirements set forth in the Bidder's Qualification Summary.

A conditional or qualified bid will not be accepted if it modifies the Plans or Specifications or method of work.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout. The Bidder is cautioned to familiarize himself/herself with all applicable permits associated with this project.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the Department of Industrial Relations, State of California. These wages are set forth in the General Prevailing Wage Rates for this project, and are available for review at the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov/DLSR/PWD>. Contractor will be required to comply with any changes in these wage rates as they are updated by the State government at no cost to the Owner.

The U.S. Department of Transportation (DOT) provides a toll-free "hotline" service to report bid rigging activities. Bid rigging activities can be reported Mondays through Fridays, between 8:00 a.m. and 5:00 p.m., Eastern Time, Telephone No. 1-800-424-9071. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report these activities. The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

The Contract Documents under which it is proposed to execute the work consist of the Plans, Specifications, and all material bound herewith. These Contract Documents are intended to be mutually cooperative and to provide all details reasonably required for the execution of the proposed work. Any person contemplating the submission of a proposal shall have thoroughly examined all of the various parts of these Documents, and should there be any doubt as to the meaning or intent of said Contract Documents, the Bidder should request of the Engineer, in writing at least six working days prior to bid opening, an interpretation thereof. Any interpretation or change in said Contract Documents will be made only in writing, in the form of addenda to the Documents and will be furnished to all Bidders receiving a set of the Documents, who shall submit, or indicate receipt of all addenda with their proposals. The Owner will not be responsible for any other explanation or interpretations of said Documents.

Questions regarding the Plans and Specifications shall be submitted via email to SRA and received by 5PM, FRIDAY, DECEMBER 3, 2021. Replies to such inquiries will be in the form of addendum or clarification that will be emailed to all plan holders. Questions and requests for clarification regarding various portions of the Plans may also be directed to:

Marisa Parish Hanson at SRA, telephone (707) 601-3381, marisa@smithriveralliance.org

The Contract Documents are assembled, arranged, and titled generally in conformance with the 16-division format suggested by the Construction Specifications Institute (CSI). Minor variations to the CSI format may be used herein to suit Owner requirements or to better adapt the Documents to particular types of projects.

Portions of these Contract Documents may contain standard preprinted material. The Bidder's attention is called to the Conditions of the contract which may modify and add to the preprinted material contained herein.

Sentences in the Contract Documents which are phrased in mandatory language, but which include no explicit reference to the party who has responsibility for performing the mandated duty, shall be interpreted as imposing responsibility for performance of the duty described on the Contractor. For example, a directive that "the site shall be kept clean" would impose the duty of keeping the site clean on the Contractor.

Where the Proposal for the work is to be submitted on a unit price basis, unit prices will be accepted on all items of work set forth in the Proposal, except those designated to be paid for as a lump sum. The estimate of quantities of work to be done is tabulated in the Proposal and, although stated with as much accuracy as possible, is approximate only and is assumed solely for the basis of calculation upon which the award of Contract shall be made. Payment to the Contractor will be made on the measurement of the work actually performed by the Contractor as specified on the Contract Documents. The Owner reserves the right to increase or diminish the amount of any class of work as may be deemed necessary.

When the Proposal for the work is to be submitted on a lump sum basis, a single lump sum price shall be submitted in the appropriate place. The total amount to be paid the Contractor shall be the amount of the lump sum in the Proposal, as adjusted for additions or deletions resulting from changes in construction.

All blank spaces in the Proposal form must be filled in, in ink, in both words and figures where required. No changes shall be made in the phraseology of the forms. Written amounts shall govern in cases of discrepancy between the amounts stated in writing and the amounts stated in figures. In case of discrepancy between unit prices and totals, unit prices will prevail.

Any Proposal shall be deemed informal which contains omissions, erasures, alterations, or additions of any kind, or prices uncalled for, or in which any of the prices are obviously unbalanced, or which in any manner shall fail to conform to the conditions of the published Advertisement for Bid.

The Bidder shall sign his Proposal in the blank space provided therefore. If Bidder is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a co-partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign contracts in behalf of the co-partnership. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a Power of Attorney must be on file with the Owner prior to opening of Proposals or submitted with the Proposal, otherwise the Proposal will be regarded as not properly authorized.

State and local sales and use taxes, as required by the laws and statutes of the State and its political subdivisions, shall be paid by the Contractor. Prices quoted in the Proposal shall include sales tax unless provision is made in the Proposal form to separately itemize the tax.

Any Bidder may modify his bid by electronic or written communication at any time prior to the scheduled closing time for receipt of bids, provided such communication is received by the Owner prior to the closing time. The Bidder is responsible for verifying prior to the bid opening that such modification was received by the Owner. The electronic or written communication should not reveal the bid price but should state the addition or subtraction or other modification so that the final prices or terms will not be known by the Owner until the sealed bid is opened.

Each Bidder must inform himself of the conditions relating to the execution of the work, and it is assumed that he will inspect the site, subsurface conditions, weather, variations of soil moisture and workability with rainfall, and make himself thoroughly familiar with all the Contract Documents. The bidder should check with local contractors regarding local site, surface, subsurface and material conditions and variability.

Failure to do so will not relieve the successful Bidder of his obligation to enter into a contract and complete the contemplated work in strict accordance with the Contract Documents. The Bidder's attention is called to the General Conditions and Supplementary Conditions of the Contract Documents in regards to the Bidder's obligation to verify for himself and to his complete satisfaction all information concerning site and subsurface conditions, and Notice requirements.

Each Bidder shall inform himself of, and the Bidder awarded a contract shall comply with, State and local laws, statutes, and ordinances relative to the execution of the work. This requirement includes, but is not limited to, applicable regulations concerning employment of labor, protection of public and employee safety and health, environmental protection, the protection of natural resources, fire protection, burning and non-burning requirements, permits, fees, and similar subjects.

DIR Registration. No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) or be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)]. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

This project is funded through the following sources:

1. CDFW - Fisheries Restoration Grant Program
2. USFWS - National Fish Passage Program

The Contractor shall comply with all requirements associated with these funding programs.

BIDDERS' CHECKLIST

This checklist has been prepared and furnished to aid bidders in including all necessary supporting information with their bid. Bidders' submittals should include, but are not limited to the following:

<u>ITEM</u>	<u>PAGE</u>	<u>CHECKED</u>
1. Proposal (Bid)	13	
2. Bidder's Questionnaire	14	
3. Bid Schedule	16	
4. Authority to Sign Bid Proposal (if applicable)	(Attach to Bid Package)	
5. List of Subcontractors (Subcontractor Details)	19	
6. Equal Employment Opportunity Certification	20	
7. Non Collusion Affidavit	21	
8. Power of Attorney	(Attach to Bid Package)	
9. Byrd Anti-Lobbying Amendment Compliance and Certification	40	
10. Debarment and Suspension Certification	41	

BID

Proposal of _____

(hereinafter called "Bidder"), organized and existing under the laws of the State of _____, doing business as _____.

To the Smith River Alliance (hereinafter called "Owner").

In compliance with your Advertisement for Bids, Bidder hereby proposes to perform all work for the construction of the

2022 Rawson Culvert Replacement Project

in strict accordance with the Contract Documents, within the time set forth therein, and at the prices stated below.

In the event of a difference between a price quoted in words and a price quoted in figures for the same quotation, the words shall be the amount bid. In the event that the product of a unit price and an estimated quantity does not equal the extended amount quoted, the unit price shall govern and the corrected product of the unit price and the estimated quantity shall be deemed to be the amount bid. If the sum of two or more items in a bidding schedule does not equal the total amounts quoted, the individual items amounts shall govern and the corrected total shall be deemed to be the amount bid.

By submission of this bid, each bidder certifies, and in the case of a joint bid, each party certifies as to his own organization, that his bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this bid with any other bidder or with any competitor.

Bidder hereby agrees to commence work under this Contract on or before a date to be specified in the Notice to Proceed and to fully complete the project and pay the liquidated damages as provided in Articles III and IV of the General Conditions.

Bidder agrees to perform all the work described in the Contract Documents for the following unit prices or lump sum.

NOTE: Bids shall include sales tax and all other applicable taxes and fees

BIDDER'S QUESTIONNAIRE

2022 Rawson Culvert Replacement Project

Submission of a completed Bidder's Questionnaire with the sealed bid is required for the above-referenced project ("Project"). Owner may use the completed Questionnaire to evaluate the Bidder's qualifications for this Project. The Questionnaire must be filled out completely, accurately, and legibly. Any errors, omissions, or misrepresentations in completion of the Questionnaire may be grounds for rejection of the bid or termination of a Contract awarded pursuant to the bid.

Part 1: General Information

Contractor Name: _____ ("Contractor")

Check One: ___ Corporation
 ___ Partnership
 ___ Sole Proprietorship
 ___ Joint Venture of: _____
 ___ Other: _____

Address: _____

Phone: _____

Fax: _____

Owner of Company: _____

Contact Person: _____

Contractor's License Number(s): _____

Part 2: Contractor Experience

1. How many years has Contractor been in business under its present business name?

2. Has Contractor completed projects similar in type and size to this Project as a general contractor?

3. Has Contractor ever been disqualified on grounds that it is not responsible? If yes, provide additional information on a separate sheet of paper regarding the disqualification, including the name and address of the agency or owner of the subject project, the type and size of the project, the reasons that Contractor was disqualified as not responsible, and the month and year in which the disqualification occurred. Circle one: YES NO

4. Has Contractor ever been terminated from a construction project, either as a general contractor or as a subcontractor? If yes, provide additional information on a separate sheet of paper regarding the termination, including the name and address of the agency or owner of the subject project, the type and size of the project, whether Contractor was under contract as a general contractor or a subcontractor, the reasons that Contractor was terminated, and the month and year in which the termination occurred. Circle one: YES NO
5. Provide information about Contractor's past projects performed as general contractor as follows:
- 5.1 Three (3) completed projects in the last six (6) years with a preference on projects that are similar to this Project;
 - 5.2 Three (3) largest completed projects within the last three (3) years; and
 - 5.3 Any project which is similar to this Project.
6. Use separate sheets of paper provide all of the following information for each project identified in response to the above three categories:
- 6.1 Project Name
 - 6.2 Location
 - 6.3 Owner
 - 6.4 Owner Contact (name and current phone number)
 - 6.5 Architect or Engineer Name
 - 6.6 Architect or Engineer Contact (name and current phone number)
 - 6.7 Construction Manager (name and current phone number)
 - 6.8 Description of Project, Scope of Work Performed
 - 6.9 Initial Contract Value (at time of bid award)
 - 6.10 Final Cost of Construction (including change orders)
 - 6.11 Original Scheduled Completion Date
 - 6.12 Time Extensions Granted (number of days)
 - 6.13 Actual Date of Completion
 - 6.14 Number and amount of Stop Notices or Mechanic's Liens filed
 - 6.15 Amount of liquidated damages assessed against Contractor
 - 6.16 Nature and resolution of any claim, lawsuit, and/or arbitration between Contractor and the Owner

Part 3: Verification

In signing this document, I, the undersigned, declare that I am duly authorized to sign and submit this Bidder's Questionnaire on behalf of the named Contractor, and that all responses and information set forth in this Bidder's Questionnaire and accompanying attachments are, to the best of my knowledge, true, accurate and complete as of the date of submission. **I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.**

Signature: _____ Date: _____

By [name, title]: _____

For [name of Contractor]: _____

BASE BID SCHEDULE					
Crossing No. 2 (plans for construction titled: Morison Creek Tributary Culvert Replacement)					
No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization/Demobilization & General	LS	1	N/A	\$
2	Clearing, Grubbing and Tree Removal	LS	1	N/A	\$
3	Water Management, Dust Control and Environmental Protections	LS	1	N/A	\$
4	Eucalyptus Harvesting	EA	11	\$	\$
5	Excavation	LS	1	N/A	\$
6	Road/Embankment Fill Placement	LS	1	N/A	\$
7	Multilayer Stabilization Mat	LS	1	N/A	\$
8	Kernen Bridge	LS	1	N/A	\$
9	Bridge RSP	LS	1	N/A	\$
10	Root Wad Bank Protection	LS	1	N/A	\$
11	Channel Spanning Logs	LS	1	N/A	\$
12	Streambed Material	LS	1	N/A	\$
13	Gravel Road Surfacing	LS	1	N/A	\$
14	Compaction Testing	LS	1	N/A	\$
15	Site Stabilization	LS	1	N/A	\$
TOTAL BASE BID (Add Items 1 thru 15)					\$

ADDITIVE BID SCHEDULE					
Crossing No. 3 (plans for construction titled: Rawson Creek Culvert No. 3 Replacement)					
No.	Item Description	Unit	Quantity	Unit Price	Total Price
1	Mobilization/Demobilization & General	LS	1	N/A	\$
2	Clearing, Grubbing and Tree Removal	LS	1	N/A	\$
3	Water Management, Dust Control and Environmental Protections	LS	1	N/A	\$
4	General Excavation	LS	1	N/A	\$
5	Aluminum Box Culvert	LS	1	N/A	\$
6	Structural Backfill	LS	1	N/A	\$
7	Road/Embankment Fill Placement	LS	1	N/A	\$
8	Root Wad Bank Protection	LS	1	N/A	\$
9	RSP	LS	1	N/A	\$
10	Streambed Material	LS	1	N/A	\$
11	Gravel Road Surfacing	LS	1	N/A	\$
12	Compaction Testing	LS	1	N/A	\$
13	Site Stabilization	LS	1	N/A	\$
TOTAL ADDITIVE BID (Add Items 1 thru 13)					\$

Awards will be made to the lowest, responsive, responsible, BIDDER. The low bidder shall be determined based on the BASE BID.

Additional bid items may be added prior to award or as a change order during the project and the bid amounts shown here shall be the agreed upon contract amount for the work.

It is further understood and agreed that the SRA reserves the right to eliminate any section of this proposal from the Contract without claim of the Contractor for profits lost.

Submitted By (Company) _____ Date _____

Name (Written) _____ Signature _____

Receipt of the following Addenda is acknowledged:

The representations made herein are made under penalty of perjury.

Respectfully submitted:

Signature

Title

License Number

Date

License Expiration Date

(SEAL - If Bid is by Corporation)

SUBCONTRACTOR DETAILS

The bidder certifies that:

- A. _____ I do not intend to subcontract any work on this project.
- B. _____ I do intend to subcontract portions of the work on this project.

NOTE: The bidder shall check box A or box B. If the bidder does not check a box, it will be deemed that he has checked box A.

If awarded the Contract, the bidder proposes to employ the following subcontractors who will perform work or labor or render service to the bidder in or about the work in an amount in excess of one-half of one percent (0.5%) of the total amount of Bidder's proposal. Listing of sub-contractors is mandatory under Sections 4100-4108 of the California Government Code. If no subcontract work is proposed, except within the one-half of one percent (0.5%) limit set forth, the Bidder shall so state.

NAME & ADDRESS	DESCRIPTION OF WORK	SUBCONTRACTOR'S
OF SUBCONTRACTOR	TO BE SUBCONTRACTED	CALIF. LIC. NO./DIR NO.

If Contractor is using subcontractors to meet Bidder's Qualifications, provide written explanation here:

(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS PROPOSAL SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS PROPOSAL)

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

The bidder _____, proposed

subcontractor _____, hereby certifies that he

has _____,

has not _____,

participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filling requirements.

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts, which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

NONCOLLUSION AFFIDAVIT

(to be executed by bidder and submitted with bid)

The undersigned declares:

I am the _____ (title) of _____ (company), the party making the foregoing bid. The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose. Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on

_____ (date), at _____ (City), _____ (State).

Dated: _____

By: _____

Title: _____

DRUG FREE WORKPLACE

By submitting a bid, the Bidder asserts that they are in compliance with California's Drug Free Workplace Act of 1990 and that they will provide a drug-free workplace by doing all of the following:

- Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the person's or organization's workplace and specifying the actions that will be taken against employees for violations of the prohibition.

Establishing a drug-free awareness program to inform employees about all of the following:
The dangers of drug abuse in the workplace.

- The person's or organization's policy of maintaining a drug-free workplace.
- Any available drug counseling, rehabilitation and employee assistance programs.
- The penalties that may be imposed upon employees for drug abuse violations.
- Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision (a) of the act and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

PART 2: CONTRACT FORMS

CONTRACT AGREEMENT

THIS AGREEMENT, MADE THIS _____ day of _____, 2022, by and between the SRA, hereinafter called "Owner," and _____, doing business as (an individual), or (a partnership), or (a corporation), hereinafter called "Contractor."

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The Contractor will commence and complete the construction of project as defined in the Contract Documents.
2. The Contractor will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the project described herein, unless the Contract Documents specify the owner will provide these items.
3. The Contractor will commence the work required by the Contract Documents within 5 calendar days after the date of the Notice to Proceed and will complete the same within the time provided in Section B-35 of the General Conditions, unless the period for completion is extended otherwise by the Contract Documents.
4. The Contractor agrees to perform all of the work described in the Contract Documents and comply with terms therein for the sum shown in the Bid Schedule and as amended by approved change order.
5. The Contract Documents consist of the Bidding Requirements, Contract Forms, Conditions of the Contract, the Specifications, and the Plans, including all modifications thereof incorporated into the documents before their execution, and including all other requirements incorporated by specific reference thereto. These form the Contract.
6. The Owner will pay to the Contractor in the manner and at such times as set forth in the General Conditions such amounts as required by the Contract Documents.
7. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.
8. The general prevailing rates of per diem wages shall be paid by the Contractor.
9. **DIR Registration.** No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) or be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)]. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.
10. In response to Labor Code section 1773.3, the PWC-100 form has been completed by the awarding agency and provided to the Department of Industrial Relations within five

days of the award. This form allows contractors and subcontractors to upload electronic certified payroll records to the Labor Commissioner (required for all projects awarded on or after April 1, 2015).

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in quadruplicate, each of which shall be deemed an original on the date first above written.

ATTEST:

(seal)

Smith River Alliance
Owner

By _____

Patricia A. McCleary,
Co-Executive Director
As authorized by SRA

Notary Public

Contractor (Seal)

By _____

License No.: _____

Expiration: _____

DIR No.: _____

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal, and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto

Smith River Alliance, Inc _____

PO Box 2129, CA 95531 _____
(Address of Owner)

hereinafter called Owner, in the penal sum of

_____ Dollars, in lawful money of the United States, for
the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly
and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain
contract with the Owner, dated _____ day of _____, 2021, a copy of which is hereto
attached and made a part hereof for the installation of:

NOW, THEREFORE, If the Principal shall well, truly and faithfully perform its duties, all the undertaking,
covenants, terms, conditions, and agreements of said contract during the original term thereof, and any
extensions thereof which may be granted by the Owner, with or without notice to the Surety and during
one year (minimum) guaranty period, and if he shall satisfy all claims and demands incurred under such
contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may
suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense
which the Owner may incur in making good any default, then this obligation shall be void; otherwise to
remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder of the Specifications accompanying the same shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the Specifications.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in 4 counterparts, each one of which shall be deemed an original, this _____ day of _____, 2022.

ATTEST:

	Principal

(Principal) Secretary	By _____
(SEAL)	

	(Address)

Witness as to Principal	

	Surety

(Address)	

ATTEST:

	By _____
	Attorney-in-Fact

Witness as to Surety	

	(Address)

_____ (Address)

NOTE: Date of Bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute Bond.

IMPORTANT: Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter
(Corporation, Partnership, or Individual)

called Principal, and _____
(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto:

Smith River Alliance, Inc

**PO Box 2129, Crescent City,
CA 95531**
(Address of Owner)

hereinafter called Owner, in the penal sum of _____

_____ Dollars (\$ _____) in lawful money of the
United States, for the payment of which sum well and truly to be made, we bind ourselves, successors,
and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain
contract with the Owner, dated _____ day of _____, 2022, a copy of which is hereto attached
and made a part hereof for the construction of:

2022 Rawson Culvert Replacement Project

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms, subcontractors,
and corporations furnishing materials for or performing labor in the prosecution of the work provided for in
such contract, and any authorized extension or modification thereof, including all amounts due for
materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed
or used in connection with the construction of such work, and all insurance premiums of said work, and
for all wages and fringe benefits of labor, performed in such work, whether by subcontractor or otherwise,
then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulated and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in 4 counterparts, each one of which shall be deemed an original, this _____ day of _____, 2022.

ATTEST:

(Principal) Secretary

Principal

By _____

Address

Witness as to Principal

Address

ATTEST:

Surety

By _____

Witness as to Surety

Attorney-in-Fact

Address

Address

NOTE: Date of bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute bond.

IMPORTANT: Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.

NOTICE OF AWARD

TO: _____

PROJECT Description:

2022 Rawson Culvert Replacement Project

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for BIDS dated _____ and Information for BIDDERS.

You are hereby notified that your BID for the Bid Schedule has been accepted for items in the amount of \$ _____

You are required by the Information for BIDDERS to execute the Agreement and furnish the required Contractor's certificates of insurance within fourteen (14) calendar days from the date this Notice is received by you.

If you fail to execute said Agreement and to furnish said INSURANCE within fourteen (14) calendar days from the date of receipt of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER within two (2) calendar days.

Dated this _____ day of _____, 2022

Owner Smith River Alliance, Inc

By _____ Title _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by:

This the _____ day of _____, 2022.

By _____ Title _____

NOTICE TO PROCEED

TO: _____ DATE: _____

PROJECT: 2022 Rawson Culvert Replacement Project

You are hereby notified to commence work in accordance with the Agreement dated on or before _____, and you are to complete the work within _____ consecutive days thereafter. The date of completion of all work is therefore _____, 2022.

Smith River Alliance, Inc _____
Owner

By _____
Patty McCleary, Co- Executive
Director

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____
this the _____ day of _____, 2022.

By _____

CONTRACTOR'S CERTIFICATE REGARDING WORKMEN'S COMPENSATION

Labor Code Section 3700,

"Every employer except the State and all political subdivisions or institutions thereof, shall secure the payment of compensation in one or more of the following ways:

- (a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.

- (b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees."

I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for workmen's compensation or to undertake self-insurance in accordance with the provisions before commencing the performance of the work of this contract.

By _____

Title _____

Date _____

(In accordance with Article 5 (commencing at Section 1860, Chapter 1, Part 7, Division 2, of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under this contract).

PART 3: FEDERAL GRANTS

SPECIAL PROVISIONS

Supplemental Contract Requirements

2 C.F.R. § 200.326 and 2 C.F.R. Part 200, Appendix II, Required Contract Clauses

FEDERAL TERMS AND CONDITIONS - During the performance of the contract, the Contractor must agree to comply with all applicable Federal laws and regulations described in Appendix II to Part 200 of the CFR, including but not limited to the following:

- (A) **Breach of contract** – See applicable General Contract section
- (B) Termination for Cause and Convenience – See applicable General Contract section
- (C) **Equal Employment Opportunity** – Contracts are subject to Executive Order 11246 which prohibits employment discrimination by Federal contractors and subcontractors and federally-assisted construction contractors and subcontractors. Bidders must complete and submit the attached “Equal Employment Opportunity Certification” with their bid.

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- (3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and

the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

- (6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (7) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States.

(D) Contract Work Hours and Safety Standards Act

Compliance with the Contract Work Hours and Safety Standards Act.

- (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.
- (3) Withholding for unpaid wages and liquidated damages. The SRA shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime

contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

- (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

(E) Rights to Inventions made under Contract – *Not applicable to this contract*

(F) Clean Air Act and Federal Waters Pollution Control Act

Clean Air Act

- (1) The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.
- (2) The contractor agrees to report each violation to the SRA and understands and agrees that the SRA will, in turn, report each violation as required to assure notification to the (name of recipient), Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
- (3) The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

Federal Water Pollution Control Act

- (1) The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.
- (2) The contractor agrees to report each violation to the SRA and understands and agrees that the SRA will, in turn, report each violation as required to assure notification to the appropriate Environmental Protection Agency Regional Office.
- (3) The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

(G) Energy Efficiency - The Contractor shall comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C.6201).

(H) Debarment and Suspension - Anycontractor/subcontractor who is ineligible to perform work on a public works project pursuant to Labor Code Sections 1777.1 or 1777.7 or is currently on the government wide “Excluded Parties List System” in the System for Award Management (SAM) is prohibited from performing work on this Project. Bidders must complete and submit the attached “Debarment and Suspension Certification” with their bid.

Debarment and Suspension

- (1) This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the contractor is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded

(defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

- (2) The contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
 - (3) This certification is a material representation of fact relied upon by the SRA. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to (name of state agency serving as recipient and name of subrecipient), the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
 - (4) The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.
- (I) Byrd Anti-Lobbying Amendment** - Bidders must complete and submit the attached “Byrd Anti- Lobbying Amendment Compliance and Certification” with their bid.

Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended)

Contractors shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

(J) Procurement of recovered materials

- (1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA- designated items unless the product cannot be acquired-
 - (i) Competitively within a timeframe providing for compliance with the contract performance schedule;
 - (ii) Meeting contract performance requirements; or
 - (iii) At a reasonable price.
- (2) Information about this requirement, along with the list of EPA- designate items, is available at EPA’s Comprehensive Procurement Guidelines web site, <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program>.

(K) Additional Requirements

Access to Records

- (1) The contractor agrees to provide SRA, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.

- (2) The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
- (3) The contractor agrees to provide the Grant Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the Contract.

BYRD ANTI-LOBBYING AMENDMENT COMPLIANCE AND CERTIFICATION

The undersigned [Contractor] certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form- LLL, "Disclosure Form to Report Lobbying" in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Name and Title of Contractor's Authorized Official

Date

DEBARMENT AND SUSPENSION CERTIFICATION

The undersigned [Contractor] certifies, to the best of its knowledge and belief, that:

The Offeror and/or any of its Principals:

- Are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

- Have not, within a three year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; and

- Are not presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(B) of this provision.

The Offeror has not, within a three year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

"Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

The Offeror shall provide immediate written notice to the SRA if, at any time prior to subcontract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the SRA may render the Offeror nonresponsible.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the SRA, the SRA may terminate the contract resulting from this solicitation for default.

Signature of Contractor's Authorized Official

Name and Title of Contractor's Authorized Official

Company Name

Date

PART 4: CONDITIONS OF THE CONTRACT

SECTION A: DEFINITIONS AND TERMS

A-1 *General*

Wherever the following abbreviations and terms, or pronouns in place of them, are used in these Conditions and other Contract Documents of which these Conditions are a part, the intent and meaning shall be interpreted as provided below.

A-2 *Abbreviations*

The following abbreviations may be used in the Contract Documents:

AA	Aluminum Association
AASHO	American Association of State Highway Officials
ABMA	American Boiler Manufacturer's Association
ACI	The American Concrete Institute
AGA	American Gas Association
AGC	Associated General Contractors
AGMA	American Gear Manufacturer's Association
AI	The Asphalt Institute
AIA	American Institute of Engineers
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
ALSC	American Lumber Standards Committee
ANSI	American National Standards Institute, Inc.
API	American Petroleum Institute
APWA	American Public Works Association
AREA	American Railway Engineering Association
ASCE	American Society of Civil Engineers
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
AWPA	American Wood Preservers' Association
AWS	American Welding Society
AWWA	American Water Works Association
BHMA	Builders Hardware Manufacturers Association
CCMTC	California Concrete Masonry Technical Committee
CRSI	Concrete Reinforcement Steel Institute
DFPA	Douglas Fir Plywood Association
ETL	Electrical Testing Laboratory
FS	Federal Specification
ICBO	International Conference of Building Officials
IEEE	The Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society
IPCEA	Insulated Power Cable Engineers Association

MBMA	Metal Building Manufacturer's Association
MSS	Manufacturers Standardization Society of the Valve and Fitting Industry Standards
NBFU	National Board of Fire Underwriters
NBS	National Buildings Standards
NEC	National Electrical Code
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Act of 1970
PCA	Portland Cement Association
SMACNA	Sheet Metal and Air Conditioning Contractor's National Association
SSPC	Steel Structures Painting Council
SSPWC	Standard Specifications for Public Works Construction
UBC	Uniform Building Code
USPHS	United States Public Health Service
UL	Underwriter's Laboratory
UMC	Uniform Mechanical Code
UPC	Uniform Plumbing Code
USAS	The United States of America Standard Institute
USBR	United States Bureau of Reclamation
WCLIB	West Coast Lumber Inspection Bureau
WIC	Woodwork Institute of California

"Bureau" - United States Bureau of Reclamation

"State" - State of California

"State Standard Specifications" - Standard Specifications issued by the State of California Business and Transportation Agency, Department of Transportation, dated May 2010, and as amended, unless a specific edition is referenced.

A-3 Definitions

- (a) Acceptance - The formal written acceptance by the SRA of the entire Contract which has been completed in all respects in accordance with the Specifications and any approved modifications.
- (b) Addenda - Written or graphic instruments issued prior to the execution of the Agreement which modify or interpret the Contract Documents, Drawings and Specifications by additions, deletions, clarifications or corrections.
- (c) As Approved - The words "as approved" unless otherwise qualified, shall be understood to be followed by the words "by the Construction Manager."
- (d) Bid - The offer of the bidder for the work when made out and submitted on the prescribed bid form, properly signed and guaranteed. A Bid is also known as a Proposal.
- (e) Bid Bond - The cash, cashier's check, certified check, or bidder's bond accompanying the bid submitted by the bidder, as a guarantee that the bidder will enter into a Contract with the SRA for the performance of work herein described.

- (f) Bidder - Any individual, firm, partnership or corporation submitting a bid for the work contemplated, and acting directly or through a duly authorized representative.
- (g) Change Orders - A written order to the Contractor authorizing an addition, deletion, or revision in the work within the general scope of the Contract Documents or authorizing adjustment in the Contract price or Contract time.
- (h) Claim - A separate demand by the Contractor for (i) a time extension, (ii) payment of money or damages arising from work done by or on behalf of the Contractor pursuant to the Contract for a public work and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (iii) an amount the payment of which is disputed by the SRA.
- (i) Contract - The written agreement covering the performance of the work and the furnishing of labor, materials, tools and equipment in the construction of the work. The Contract shall include all Contract Documents and supplemental agreements amending or extending the work contemplated which may be required to complete the work in a substantial and acceptable manner. Supplemental agreements are written agreements covering alterations, amendments or extensions to the Contract and include Addenda and Contract Change Orders.
- (j) Contract Documents - The Contract Documents are any or all of the documents listed in Article I of the Contract.
- (k) Contract Owner (CO) – SMITH RIVER ALLIANCE (SRA)
- (l) Contract Owner Representative (COR) – Any authorized professional designated by Smith River Alliance.
- (m) Contract Price - Total monies payable to the Contractor under the terms and conditions of the Contract Documents.
- (n) Contract Time - The numbers of days stated in the Contract Documents for the completion of work.
- (o) Contractor - The person or persons, firm, partnership or corporation or other entity who has entered into the Contract with the SRA to perform the work.
- (p) Contract Drawings - "Contract Drawings" or "drawings" or "Contract Plans" means and includes (i) all drawings which have been prepared on behalf of the SRA and which are included in the Contract Documents and all modifying drawings issued by addenda thereto; (ii) all drawings submitted pursuant to the terms of the Contract by the Contractor with his proposal and by the Contractor to the SRA during the progress of the work when accepted by the Engineer. Except where a specific type of drawing is indicated, the terms "Drawings" and "Plans" are used interchangeably throughout the Contract Documents and the Plans are Drawings as defined above.
- (q) County - County of Del Norte, California.

- (r) Construction Manager - Wherever in these documents the word "Construction Manager" appears, it shall be understood to mean SMITH RIVER ALLIANCE (SRA). The Construction Manager will have final authority as regards to contract administration, field inspection, and related items.
- (s) Date of Execution of the Contract - The date on which the Contract is signed by the SRA's authorized representative.
- (t) Datum – Elevation datum is assumed, refer to contract documents.
- (u) Days - Unless otherwise designated, days as used in the Contract Documents shall mean calendar days.
- (v) Engineer – Wherever in these documents the word "Engineer" appears, it shall be understood to mean Michael Love and Associates (MLA) as an authorized professional designated by SRA.
- (w) Field Order - A written order effecting a change in the Work not involving an adjustment in the Contract Price or an extension of Contract Time, issued by the Construction Manager to the Contractor during construction.
- (x) His - "His" shall include "her" and "its".
- (y) Install - "Install" wherever and in whatever manner used shall mean the installation, complete in place of an item.
- (z) Landowner - Wherever in these documents the word "Landowner" appears, it shall be understood to mean Ron Rawson, or his representative.
- (aa) Notice of Award - The written notice of the acceptance of the Bid from the SRA to the successful Bidder.
- (aa) Notice to Proceed - Written communication issued by the SRA to the Contractor authorizing him to proceed with the work and establishing the date of commencement of the work.
- (bb) Or Equal - The terms "or equal" or "approved equal" shall be understood to indicate that the "equal" product be the same or better than the product named in function, performance, reliability, quality and general configuration. Determination of equality in reference to the project design requirement will be made by the Engineer.
- (aa) Plans or Drawings - The term "Plans or Drawings" refers to the official Plans, profiles, cross sections, elevations, details, and other working drawings and supplementary drawings, or reproductions thereof, signed by the Engineer, which show the location, character, dimensions, and details of the work to be performed. Plans may either be bound in the same book as the balance of the Contract Documents or bound in separate sets, and are a part of the Contract Documents, regardless of the method of binding.

- (bb) Project - The undertaking performed as provided by the Contract Documents.
- (cc) Provide - "Provide" wherever and in whatever manner used shall be understood to mean furnish and install.
- (dd) Project Geotechnical Engineer – as designated by SRA.
- (ee) Resident Project Representative - Authorized representative of SRA who is assigned to the Project or any part thereof.
- (ff) SRA – SMITH RIVER ALLIANCE, may also be referred to as the Owner or SRA.
- (gg) SRA Project Representative - The authorized representative of the SRA who is assigned to the project site or any part thereof.
- (hh) Service of Notice - Any notice from one party to the other under the Contract shall be in writing and shall be dated and signed by the party giving such notice or by a duly authorized representative thereof. Any such notice shall not be effective for any purpose whatsoever unless service in the following manner:
- (i) If the notice is given to the SRA by personal delivery thereof, the SRA'S Project Representative or by depositing the notice in the U.S. mail, enclosed in a sealed envelope addressed to SRA, PO Box 2129, Crescent City, California 95531 postage prepaid, by certified mail return receipt requested.
- (ii) If the notice is given to the Contractor, by personal delivery to the Contractor or its duly authorized representative at the project site or by depositing in the U.S. mail, enclosed in a sealed envelope address to the Contractor on the Contract Form, postage prepaid, by certified mail, return receipt requested.
- (iii) If the notice is given to the surety or any other person, by personal delivery to such surety or other person by personal delivery to such surety or other person by depositing in the U.S. mail, enclosed in a sealed envelope, addressed to the surety or other person at the address of such surety or other person last communicated to the party giving the notice, postage prepaid, by certified mail return receipt requested.
- (jj) Shall or Will – "Shall," or "Will," whenever used to stipulate anything, means shall or will be done or be performed by either the Contractor or the SRA and means that the Contractor or the SRA has thereby entered into a covenant with the other party to do or perform the same.
- (jj) Shop Drawing - All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the Contractor, a subcontractor, manufacturer, supplier or distributor, which illustrate how specific portions of the Work shall be fabricated or installed.
- (kk) Shown – "Shown" "indicated" "detailed" and words of like import, wherever and in whatever manner used, with or without reference to the drawings, means shown, indicated or detailed on the drawings or plans.
- (ll) Specifications - A part of the Contract Documents consisting of written descriptions of a technical nature of materials, equipment, construction systems, standards and workmanship, including the General Conditions and Supplemental General Conditions.

- (mm) Specified – “Specified” “described” or “noted” wherever and in whatever manner used, means as specified, described or noted in the Contract Documents.
- (nn) Subcontractors - The term "Subcontractor", as employed herein, includes only those having a direct contract with the Contractor and it includes one who furnishes material worked to a special design according to the plans or specifications of this work, but does not include one who merely furnishes material not so worked and would be considered a supplier only.
- (oo) Substantial Completion - That date as certified by the Construction Manager when the construction of the Project or a specified part thereof is sufficiently completed, in accordance with the Contract Documents, so that the Project or specified part can be utilized for the purposes for which it is intended.
The Construction Manager may, at its sole discretion, issue a written notice of substantial completion for the purpose of establishing the starting date for specific equipment guarantees, and to establish the date that the SRA will assume the responsibility for the cost of operating such equipment. Said notice shall not be considered as final acceptance of any portion of the work or relieve the Contractor from completing the remaining work within the specified time and in full compliance with the Contract Documents.
- (pp) Sufficient – “Sufficient” “necessary” or “proper” “acceptable” “satisfactory” “desirable” and words of like import, wherever and in whatever manner used, with or without reference to the Engineer, means sufficient, necessary, proper, acceptable, satisfactory and desirable in the judgment of the Engineer.
- (qq) Supplementary Conditions - Modifications to General Conditions required by a Federal Agency for participation in the PROJECT and approved by the Agency in writing prior to inclusion in the Contract Documents, or such requirements that may be imposed by applicable Statelaws.
- References to “Supplemental General Conditions” in the General Conditions and elsewhere in the Contract Documents shall be construed to read “Supplementary Conditions”
- (rr) Supplier - Any person or organization who supplies materials or equipment for the Work, including that fabricated to a special design, but who does not perform labor at the site.
- (ss) Time Limits - All time limits stated in the Contract Documents are of the essence of the Contract.
- (tt) Work - All the work specified, indicated, shown or contemplated in the Contract to construct the improvements, including all alterations, amendments or extensions thereto made by Contract Change Order or other written orders of the Engineer.
- (uu) Written Notice - "Written Notice" shall be deemed to have been duly served when delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered mail to the last business address known to it who gives the notice.
- (vv) Whenever in the Specifications or upon the drawings the words DIRECTED, REQUIRED, PERMITTED, ORDERED, DESIGNATED, PRESCRIBED, or words of like import are used, it shall be understood that the direction, requirement, permission, order, designation or prescription of the Engineer is intended, and similarly the words APPROVED, ACCEPTABLE, SATISFACTORY, or words of like import, shall mean approved or acceptable to, or satisfactory to the Engineer, unless otherwise expressly stated.

SECTION B: GENERAL CONDITIONS

ARTICLE I. SCOPE OF WORK

B-1 Intent of Contract Documents

The intent of the Contract Documents is to prescribe the details for the construction and completion of the work which the Contractor undertakes to perform in accordance with the terms of the Contract. Where the Specifications and plans describe portions of the work in general terms, but not in complete detail, it is understood that only the best general practice is to prevail and that only materials and workmanship of the first quality are to be used. Unless otherwise specified, the Contractor shall furnish all labor, materials, tools, equipment and incidentals and do all the work involved in performing the Contract in a satisfactory and workmanlike manner, ready for use occupancy or operation by the SRA.

The technical provisions are presented in sections for convenience. However, this presentation does not necessarily delineate trades or limits of responsibility. All sections of the Specifications and plans are interdependent and applicable to the project as a whole.

The Contract Documents are complementary, and what is called for in any one shall be as binding as if called for in all.

Anything shown on the drawings and not mentioned in the specifications or mentioned in the specifications and not shown on the drawings shall have the same effect as if shown or mentioned respectively in both. Any work shown on one drawing shall be construed to be shown in all drawings and the Contractor will coordinate the work and the drawings. If any portion of the Contract Documents shall be in conflict with any other portion, the various documents comprising the Contract Documents shall govern in the following order of precedence: The SRA-Contractor Contract; the Bid; any Supplementary or Special Conditions; The condition of all permits; Instructions to Bidders; the General Conditions; the Specifications; the Drawings. Technical Specifications take priority over general Specifications and detail Drawings take precedence over general Drawings. As between schedules and information given on Drawings, the Schedules shall govern. As between figures given on Drawings and the scales measurements, the figures shall govern. As between large-scale Drawings and small-scale Drawings, the larger scale shall govern. Any conflict or inconsistency between or in the drawings shall be submitted to the Engineer through the SRA'S Project Representative or Resident Project Representative in writing. Work done by the Contractor after his discovery of such discrepancies, inconsistencies or ambiguities shall be done at the Contractor's own risk.

B-2 Contractor's Understanding

It is understood and agreed that the Contractor has, by careful examination, satisfied itself as to the nature and location of the work, the conformation of the ground, the character, quality and quantity of the materials to be encountered, the character of equipment and facilities needed preliminary to and during the prosecution of the work, all permit conditions and requirements, the general and local conditions, and all other matters which can in any way affect the work under this Contract. No verbal agreement or conversation with any officer, agent or employee of the SRA, either before or after the execution of this Contract, shall affect or modify any of the terms or obligations herein contained.

B-3 Changes in the Work

The SRA may, at any time, by written order make changes in the work including but not limited to: (a) changes in the specifications on drawings; (b) changes in the sequence, method or manner of performance of the work; (c) changes in the owner-furnished facilities, equipment, materials, services or site; or (d) changes directing acceleration of the work. If such changes cause an increase or decrease in the Contractor's cost of, or time required for, performance of the Contract an equitable adjustment will be made and the Contract modified in writing accordingly.

Such modification will be in the form of a Contract Change Order which will set forth the work to be done or the method by which the change and cost adjustment, if any, will be determined, and the time of completion of the work.

The compensation to be paid for any extra work or change shall be determined in one or more of the following ways or at SRA's sole election:

- A. By unit prices previously approved (unit prices previously approved shall be used in all cases for similar units unless mutually agreed that for some reason they are not applicable);
- B. By estimate and acceptance of an agreed upon lump sum; or
- C. On a time and materials basis involving the actual necessary expenses and other services necessary to complete the work. In addition, there shall be added an amount to be agreed upon but not to exceed fifteen (15) percent of the actual necessary expense to cover other costs that are not covered under labor, equipment, materials, and subcontractors. In the events that items (a) and (b) above are not applicable, then this latter method (c) shall be used. Markup by subcontractors on their work shall not exceed fifteen percent. Contractor's markup on subcontractor's work shall not exceed five (5) percent.

The Contractor shall keep full and complete records of the actual cost of such work in the form and manner prescribed by the Construction Manager and shall permit the Construction Manager to have access to such records as may be necessary to assist in the determination of the compensation payable for such work. The Construction Manager also may at any time by issuing a Field Order make changes in the details of the Work. The Contractor shall proceed with the performance of any change in the work so ordered by the Construction Manager unless the Contractor believes that such Field Order entitles it to a change in the Contract Price or Time, or both in which event the Contractor shall give the Construction Manager written notice thereof within seven (7) days after the receipt of the ordered change. The Contractor shall not execute such changes pending the receipt of an executed change order or further instruction from the SRA.

If the Contractor is delayed in completing by reason of any change made pursuant to this section, the time for completion of the work shall be extended by change order for a period agreed to, commensurate with such delay. The Contractor shall not be subjected to any claim for liquidated damages for this period of time, but the Contractor shall have no claim for any other compensation for any such delay.

B-4 Procedures and Allowable Costs on Changes

- (a) All changes which affect the cost or time of the construction of the project must be authorized by means of a Change Order. The Change Order will include extra work, work for which quantities have been altered from those shown in the bidding schedule, as well as decreases or increases in the quantities of installed units which are different than those shown in the bidding schedule because of final measurements. All changes should be recorded on a Change Order as they occur. Each Change Order

must contain complete and detailed justification for all items addressed by the Change Order.

- (b) If the change in or addition to the work will result in an increase in the contract sum, the SRA shall have the right to require the performance thereof in any of the following ways, at SRA's sole election:
- (i) By unit prices previously approved (unit prices previously approved shall be used in all cases for similar units unless mutually agreed that for some reason they are not applicable);
 - (ii) By estimate and acceptance of an agreed upon lump sum; or
 - (iii) On a time and materials basis involving the actual necessary expenses and other services necessary to complete the work. In addition, there shall be added an amount to be agreed upon but not to exceed fifteen (15) percent of the actual necessary expense to cover other costs that are not covered under labor, equipment, materials, and subcontractors. In the events that items (a) and (b) above are not applicable, then this latter method (c) shall be used. Markup by subcontractors on their work shall not exceed fifteen percent. Contractor's markup on subcontractor's work shall not exceed five percent (5%).
- (c) If the SRA elects to have the Change in the Work performed on a lump sum basis, such election shall be based on a lump sum proposal which shall be submitted by the contractor within ten (10) days of the SRA's request therefore. Request for a lump sum proposal shall not be deemed an election to have the work performed on a lump sum basis. The Contractor's proposal shall be itemized and segregated by labor and materials for the various components of the change (no aggregate labor total will be acceptable) and shall be accompanied by signed proposals of any subcontractors which will perform any portion of the change, and of any persons who will furnish materials or equipment for incorporation therein. The proposal shall also include the contractor's estimate of the time required to perform said changes or additional work.

The portion of the proposal relating to labor, whether by the Contractor's forces or the forces of any of its Subcontractors, may include reasonably anticipated gross wages of Job Site labor, including foremen, who will be directly involved in the Change in the Work (for such time as they will be so involved), plus payroll costs (including premium costs of overtime labor, if overtime is anticipated, social security, Federal or State unemployment insurance taxes and fringe benefits required by collective bargaining agreements entered into by the Contractor or any such Subcontractor in connection with such labor) and up to fifteen percent (15%) of such anticipated gross wages, but not payroll costs as overhead and profit for the Contractor or any such Subcontractor, as applicable (such overhead and profit to include all supervision except foremen.)

The portion of the proposal relating to materials may include the reasonably anticipated direct costs to the Contractor or to any of its Subcontractors of materials to be purchased for incorporation in the Change in the Work, plus transportation and applicable sales or use taxes and up to fifteen percent (15%) of such anticipated gross wages, but not payroll costs, as overhead and profit for the Contractor or any such Subcontractor, as applicable (such overhead and profit to include all supervision except foremen.)

The portion of the proposal relating to materials may include the reasonably anticipated direct costs to the Contractor or to any of its Subcontractors of materials to be purchased for incorporation in the Change in the Work, plus transportation and applicable sales or use taxes and up to fifteen percent (15%) of said direct material costs as indirect costs for the Contractor or any such subcontractor (such indirect costs shall include all small tools), and may further include the Contractor's and any of its Subcontractors' reasonably anticipated rental costs in connection with the Change in the Work (either actual rates or discounted local published rates), plus up to five percent (5%) commission for the Contractor or any such subcontractors, as applicable. If any of the items included in the lump sum proposal are covered by unit prices contained in the contract document, the SRA may, if it requires the Change in the Work to be

performed on a lump sum basis, elect to use these unit prices in lieu of the similar items included in the lump sum proposal in which event an appropriate deduction will be made in lump sum amount. No overhead and profit shall be applied to any unit prices.

The lump sum proposal may include up to five percent (5%) of the amount which the Contractor will pay to any of its Subcontractors for the Change in the Work as a commission to the Contractor.

- (d) In the event that the Contractor fails to submit its proposal within the designated period, the Engineer may direct the Contractor to proceed with the Change or Addition to the Work and the Contractor shall so proceed. The Engineer shall determine the reasonable costs and time to perform the Work in question, which determination when approved by SRA shall be final and binding upon the Contractor.
- (e) In the event that the parties are unable to agree as to the reasonable costs and time to perform the change in or addition to the work based upon the Contractor's proposal and the Engineer and SRA do not elect to have the change in the work performed on a time and material basis, the Engineer and SRA shall make a determination of the reasonable cost and time to perform the change in the work, based upon their own estimates, the Contractor's submission or combination thereof. A Change Order shall be issued for the amount of costs and time determined by the Engineer and the SRA and shall become binding upon the Contractor unless the Contractor submits its protest in writing to the SRA within thirty (30) days of the issuance of the Change Order. The SRA has the right to direct the Contractor in writing to perform the Change in the Work which is the subject of the Change Order. Failure of the parties to reach agreement regarding the costs and time of the performing the Change in the Work and/or any pending protest shall not relieve the Contractor from performing the Change in the work promptly and expeditiously.
- (f) If the SRA elects to have the Change in the Work performed on a time and material basis, the same shall be performed, whether by the Contractor's forces or the forces of any of its Subcontractors or Sub-subcontractors, at actual costs to the entity or entities performing the Change in the Work (without any charge for administration, clerical expense, supervision or superintendence of any nature whatsoever, including foremen, or the costs, use or rental of tools or plant), plus fifteen percent (15%) to cover other costs that are not covered under labor, equipment, materials, and subcontractors (except that this fifteen percent (15%) shall not be applied against any payroll costs, defined herein with respect to lump sum proposals). If the entity or entities actually performing the work are Subcontractors or Sub-subcontractors, the Contractor shall be allowed five percent (5%) of the total charge of the performing entity or entities (including mark-up) as Contractor's commission. No mark-ups shall be allowed hereunder. The Contractor shall submit to the SRA daily work and material tickets, to include the identification number assigned to the Change in the Work, the location and description of the Change in the Work, the classification of labor employed (and names and social security numbers), the material used, the equipment rented (not tools) and such other evidence of cost as the SRA may require. The SRA may require authentication of all time and material tickets and invoices by persons designated by the SRA for such purpose. The failure of the Contractor to secure any required authentication shall, if the SRA elects to treat it as such, constitute a waiver by the Contractor of any claim for the cost of that portion of the Change in the Work covered by a non-authenticated ticket or invoice; provided, however, that the authentication of any such ticket or invoice by the SRA shall not constitute an acknowledgment by the SRA that the items thereon were reasonably required for the Change in the Work.
- (g) No Additional percentage for actual necessary expense to cover other costs that are not covered under labor, equipment, materials, and subcontractors will be paid by the SRA on account of a Change in the Work except as specifically provided in this Section B-4. The additional percentage or commission as allowed under this paragraph, shall be deemed to include all costs and expenses which the Contractor or any of its Subcontractors may incur in the performance of the Change in the Work and which are not otherwise specifically recoverable by them pursuant to this paragraph.

- (h) The Contractor shall not be entitled to any amount for indirect costs, damages or expenses of any nature, including, but not limited to, so-called "impact" costs, labor inefficiency, wage, material or other escalations beyond the prices upon which the proposal is based and to which the parties have agreed pursuant to the provisions of this section, and which the Contractor, its Subcontractors and Sub-subcontractors or any other person may incur as a result of delays, interferences, suspensions, changes in sequence or the like, for whatever cause, whether reasonable or unreasonable, foreseeable or unforeseeable, or avoidable or unavoidable, arising from the performance of any and all changes in the work performed pursuant to this section. It is understood and agreed that the Contractor's sole and exclusive remedy in such event shall be recovery of its direct costs as compensable hereunder and an extension of the time of the Contract, but only in accordance with the provisions of the Contract Documents.

The Contractor agrees that it shall not be entitled to claim damages for anticipated profits on any portion of work that may be deleted. The amount of any adjustment for work deleted shall be estimated at the time deletion of work is ordered and the estimated adjustment will be deducted for the subsequent monthly pay estimates.

The SRA reserves the right to contract with any person or firm other than the Contractor for any or all extra work.

B-5 Unilateral Change in or Addition to the Work

Notwithstanding the above, the SRA, directly or through the Engineer, may direct the Contractor in writing to perform changes in or additions to the scope of the contract. The Contractor shall perform such work and the parties shall proceed pursuant to the provisions of Section B-4.

B-6 Differing Site Conditions

The Contractor shall promptly, and before the following conditions are disturbed, notify the SRA in writing of any:

- (a) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25118 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law; or
- (b) Subsurface or latent physical conditions at the site differing from those indicated in the Contract Documents; or
- (c) Unknown conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

The Construction Manager shall thereupon promptly investigate the conditions. If the Construction Manager finds that they do involve hazardous waste, or do materially differ and cause any decrease or increase in the Contractor's cost or time of performance, it will issue a change order as appropriate. Any increase or decrease in the cost of the work or the time for performance shall be adjusted in the manner provided herein for adjustments as to extra and/or additional work and changes. The procedures applicable to claims per extra costs shall then apply.

Contractor shall expect wet soil conditions and encountering deleterious materials that do not constitute a change.

B-7. Claims for Extra Costs

- (a) The plans for work show the conditions as they are supposed or believed by the Engineer to exist, but it is neither intended nor to be inferred that the conditions as shown thereon constitute a representation by the SRA or its officers that such conditions are universally existent nor shall the SRA or any of its officers or representatives be liable for any loss sustained by the Contractor as a result of any variance between conditions as shown on the Plans and alternate conditions revealed during the progress of the Work, or otherwise.
- (b) The SRA assumes no responsibility for any representations made by any of its officers
- (c) or agents during or prior to the execution of this Contract, unless (1) such representations are expressly stated in the Contract, and (2) the Contract expressly provides that the responsibility therefore is assumed by the SRA.
- (d) It is hereby mutually agreed that the Contractor shall not be entitled to the payment of any additional compensation for any cause, including any act, or failure to act, by the Engineer or the SRA, or the happening of any event, thing or occurrence, unless the Contractor shall have given the Engineer due written notice of potential claims as hereinafter specified.
- (e) The written notice of potential claims shall set forth the reasons for which the Contractor believes additional compensation will or may be due, the nature of the costs involved, and, insofar as possible, the amount of the potential claim. Except as provided in Section B-6, the notice as above required shall be given to the Engineer at least 48 hours prior to the time that the Contractor commences performance of the work giving rise to the potential claim for additional compensation. If such notice is not given, the Contractor shall be barred from making any such claim for extra compensation.
- (f) The Contractor may submit a claim to the Engineer concerning any matter for which a protest under Section B-3 or a notice of potential claim is filed within sixty (60) days following the submission of said protest or notice, unless, due to the nature of the claim or the uncompleted state of the work, it is impracticable to determine the amount or the extent of the claim within such period, in which case a claim may be submitted at the earliest time thereafter that such determination can be made, but in no event later than the final release by the Contractor provided for in Section B-72. The claims shall set forth clearly and in detail, for each item of additional compensation claimed, the reasons for the claim, reference to applicable provisions of the Specifications, the nature and the amount of the cost involved, the computations used in determining such costs, and all pertinent factual data. The Contractor shall maintain complete and accurate records of the cost or any portion of the work for which additional compensation is claimed, and shall provide the Engineer with copies thereof, as required.
- (g) The Engineer will, within a reasonable time after submission of the Contractor's claim, make decisions in writing on all claims of the Contractor. All such decisions of the Engineer shall be final unless the Contractor shall within ten (10) days after receipt of the Engineer's decision, file with the Engineer a written protest, stating clearly and in detail the basis thereof. Such protest will be forwarded promptly by the Engineer to the SRA, which will issue a decision upon each such protest, and the SRA's decision will be final. Pending such decision, the Contractor shall proceed with its work in accordance with the determination or instructions of the Engineer. It is hereby agreed that the Contractor's failure to protest the Engineer's determination or instructions, within ten (10) days from and after the Engineer's determinations or instructions, shall constitute a waiver by the Contractor of all its rights to further protest, judicial or otherwise.
- (h) It is the intention of this Section that the differences between the parties, arising under and by virtue of the Contract, be brought to the attention of the Engineer at the earliest possible time in order that such matters may be settled, if possible or other appropriate action promptly taken. The Contractor hereby agrees that it shall have no right to additional compensation for any claim that may be based on any act, failure to act, event, thing or occurrence for which no written notice of potential claim as herein required was timely filed.
- (i) In the event of an emergency endangering life or property, the Contractor shall act as stated in Section B-62 herein, and after execution of the emergency work shall present an accounting of labor, materials and equipment in connection therewith. The procedure for any payment that may be due for emergency work

will be as specified in Section B-3 herein.

B-8 Disputes

Except as otherwise specifically provided in the Contract Documents, the Engineer will initially decide all claims of the Contractor and all disputes arising under and by virtue of the Contract. Such claim or dispute will be processed and decided by the Engineer as soon as practicable after its submission and the submission or availability of any additional information necessary to its decision. If the Contractor is dissatisfied with the Engineer's decision, the Contractor may, within 15 days from the date of the Engineer's decision, follow the procedures set forth in Section B-55. If the Contractor fails to follow the procedures set forth in Section B-55 within the 15 day period, then the Engineer's decision shall be final, conclusive and binding on the Contractor.

B-9 Guarantee

- (a) In addition to warranties, representations and guarantees stated elsewhere in the Contract Documents, the Contractor unconditionally guarantees all materials and workmanship furnished hereunder, and agrees to replace at its sole cost and expense, and to the satisfaction of the Engineer and the SRA, any and all materials which may be defective or improperly installed.
- (b) The Contractor shall repair or replace to the satisfaction of the Engineer any or all such work that may prove defective in workmanship or materials, ordinary wear and tear excepted, together with any other work which may be damaged or displaced in so doing.
- (c) In the event of failure to comply with the above stated conditions within a reasonable time, the SRA is authorized to have the defect repaired and made good at the expense of the Contractor who will pay the costs and charges therefore immediately upon demand, including any reasonable management and administrative costs, and engineering, legal and other consultant fees incurred to enforce this section.
- (d) The signing of the Contract by the Contractor shall constitute execution of the above guarantees. Except as otherwise provided in this Contract, the guarantees and warranties shall remain in effect through the one-year maintenance warranty period specified in the Faithful Performance Bond.

ARTICLE II. CONTROL OF WORK

B-10 Authority of the Engineer

- (a) The Engineer is the representative of the SRA and has full authority to interpret the Contract Documents, to conduct the construction review and inspection of the Contractor's performance, and to decide questions which arise during the course of the work and its decisions on these matters shall be final and conclusive. The Engineer has the authority to reject all work and materials which do not conform to the Contract Documents, regulatory permits, and has the authority to stop the work whenever such stoppage may be necessary to insure the proper execution of the Contract.
- (b) If at any time the Contractor's work force, tools, plant or equipment appear to the Engineer to be insufficient or inappropriate to secure the required quality of work or the proper rate of progress, the Engineer may order the Contractor to increase their efficiency, improve their professional and/or workmanship character, to augment their number or to substitute other personnel, new tools, plant or equipment, as the case may be, and the Contractor shall comply with such order.

Neither the failure of the Engineer to demand such increase of efficiency, number, or improvement, nor the compliance by the Contractor with the demand, shall relieve the Contractor of its obligation to provide quality work at the rate of progress necessary to complete the work within the specified time.

- (c) The Engineer shall have the authority to make minor changes in the work, not involving extra costs, and not inconsistent with the purposes of the work.
- (d) Any order given by the Engineer, not otherwise required by the Contract Documents to be in writing shall, on request of the Contractor, be given or confirmed by the Engineer in writing.
- (e) Whenever work, methods of procedure, or any other matters are made subject to
- (f) direction or approval, such direction or approval will be given by the Engineer.
- (g) The Engineer shall not be responsible for the construction means, controls techniques, sequences procedures or construction safety.

B-11 It is expressly agreed and understood that Michael Love and Associates will have no liability whatsoever resulting from the obligations entered into under the Contract; that the SRA must look solely to the Contractor for the furnishing of the work; that the Contractor must look solely to the SRA for payment; and that the SRA and the Contractor must look solely to each other for the enforcement of any claims or liabilities arising under or by reason of the Contract.

B-12 Drawings

- (a) Drawings furnished herewith are for bidding purposes. The SRA will furnish the Contractor additional copies of the Contract Documents and full-size plans. Additional copies may be obtained by paying the actual cost of reproduction. The Contractor shall have no claim for excusable delay on account of the failure of the SRA to deliver such drawings unless the SRA shall have failed to deliver the same within two weeks after receipt of written demand therefore from the Contractor. The Contractor shall keep one copy of said drawings, in good order, available to the SRA and its representatives, and convenient to the working site. The Contractor shall maintain on the job site and make available to the SRA on request, one current full-sized marked-up set of design drawings which accurately indicate all variations in the completed work that differ from the design information shown in the plans. If the Contractor, in the course of the work, finds any discrepancy between the drawings and the physical condition of the locality, or any errors or omissions in the drawings, or in the layout as given by points and instructions, it shall be the Contractor's duty to inform the SRA in writing, and the SRA will promptly verify the same. Any work done after such discovery, until authorized, will be done at the Contractor's risk. All drawings, Specifications, and copies thereof furnished by the SRA are the property of the SRA and shall not be reused on other work and, with the exception of the signed Contract sets, are to be returned to the SRA, on request, at the completion of the work. All models are the property of the SRA. The Contractor may be furnished additional instructions and detail drawings by the SRA as necessary to carry out the work required by the Contract Documents.

The additional drawings and instructions thus supplied, will become part of the Contract Documents. The Contractor shall carry out the Work in accordance with the additional detail drawings and instructions.

- (b) The drawings shall be supplemented by such shop drawings prepared by the Contractor as are necessary to adequately control the work. No changes shall be made by the Contractor in any shop drawings after they have been reviewed by the Engineer.
- (c) Shop drawings for any structure shall include, but not be limited to: stress sheets, anchor bolt layouts, shop details, and erection plans, which shall be reviewed and accepted by the Engineer before any such work is performed.
- (d) Contractor agrees that shop drawings processed by the Engineer are not Contract Change Orders; that the purpose of shop drawings submitted by the Contractor is to demonstrate to the Engineer that the Contractor understands the design concept, that it demonstrates its understanding by indicating which equipment and material it intends to furnish and by detailing the fabrication methods it intends to use.

- (e) It is expressly understood, however, that favorable review of the Contractor's shop drawings shall not relieve the Contractor of any responsibility for accuracy of dimensions and details, or for mutual agreements of dimensions and details. It is mutually agreed that the Contractor shall be responsible for agreement and conformity of its shop drawings with the Specifications. Contractor further agrees that if deviations, discrepancies or conflicts between shop drawings and Specifications are discovered either prior to or after shop drawings are processed by the Engineer, the Specifications shall
- (f) control and shall be followed.
- (g) Unless otherwise stated, the Engineer shall have thirty (30) days from the date of receipt of shop drawings for review.
- (h) Full compensation for furnishing all shop drawings shall be considered as included in the prices paid for the Contract items of work to which such drawings relate and no additional compensation will be allowed therefore. Any cost related to the Engineer's review of any particular set of shop drawings more than twice, due to incompleteness or unacceptability, shall be borne by the Contractor, and the SRA reserves the right to withhold such costs from payments due the Contractor. When submitted for the Engineer's review, Shop Drawings shall bear the Contractor's certification that he has reviewed, checked and approved the Shop Drawings and that they are in conformance with the requirements of the Contract Documents.
- (i) That Portion of the Work requiring a Shop Drawing or sample submission shall not begin until the Shop Drawing or submission has been approved by the Engineer. A copy of each approved Shop Drawing and each approved sample shall be kept in good order by the Contractor at the site and shall be available to the Engineer.
- (j) Acceptance by the Engineer of any drawing, method of work, or any information regarding materials and equipment the Contractor proposes to furnish shall not relieve the Contractor of his responsibility for any errors therein and shall not be regarded as an assumption of risks or liability by the Engineer or SRA, or any officer or employee thereof, and the Contractor shall have no claim under the Contract on account of the failure or partial failure or inefficiency or insufficiency of any plan or method or work or material and equipment so accepted. Such acceptance shall be considered to mean merely that the Engineer has no objection to the Contractor using, upon his own full responsibility, the plan or method of work proposed, or furnishing the materials and equipment proposed.

B-13 Permits and Regulations

Permits, licenses, and easements of a temporary or permanent nature, necessary for the execution of the work shall be secured and paid for by the Contractor, except as noted in Section B-32, and herein.

The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the work as shown on the plans and described in the Specifications. It shall promptly notify the Construction Manager in writing of any specification at variance therewith and any necessary changes shall be adjusted as provided in the Contract for changes in the work. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules, and regulations and without such notice to the Construction Manager, it shall bear all costs arising therefrom.

Permit conditions are included in the appendices of the Specifications.

B-14 Conformity with Contract Documents and Allowable Deviations

Work and materials shall conform to the lines, grades, cross sections, dimensions and material requirements, including tolerances, shown on Contract Documents. Although measurement, sampling, and testing may be considered evidence as to such conformity, the Engineer shall be the sole judge as to whether the work or materials deviate from the Specifications and plans, and its decision as to any

allowable deviations therefrom shall be final and conclusive.

Whenever a material, article or piece of equipment is identified on the Drawings or Specifications by reference to brand name or catalogue number, it shall be understood that this is referenced for the purpose of defining the performance or other salient requirements and that other products of equal capacities, quality and function shall be considered. The Contractor may recommend the substitution of a material, article, or piece of equipment of equal substance and function for those referred to in the Contract Documents by reference to brand name or catalogue number, and if, in the opinion of the Engineer, such material, article, or piece of equipment is of equal substance and function to that specified, the Engineer may approve its substitution and use by the Contractor. Any cost differential shall be deductible from the Contract Price and the Contract Documents shall be appropriately modified by Change Order. The Contractor warrants that if substitutes are approved, no major changes in the function or general design of the Project will result. Incidental changes or extra component parts required to accommodate the substitute will be made by the Contractor without a change in the Contract Price or Contract Time.

B-15 Coordination and Interpretation of Contract Documents

- (a) The Contract Documents are complementary and a requirement occurring in one is as binding as though occurring in all.
- (b) In the event of conflict between the plans and the Technical Specifications, the Technical Specifications shall govern, except that, where items are shown on the plans and are not specifically included in the Technical Specifications, the plans shall govern.
- (c) Should it appear that the work to be done or any of the matters relative thereto are not sufficiently detailed or explained in the Specifications and plans, the Contractor shall apply to the Engineer for such further explanations as may be necessary and shall conform to them as part of the Contract. In the event of any doubt or question arising respecting the true meaning of the Specifications and plans, reference shall be made to the Engineer, whose decision thereon shall be final and conclusive.
- (d) In the event of any discrepancy between any plans and the figures written thereon, the figures shall be taken as correct. Detailed drawings shall prevail over general drawings.
- (e) Any reference made in these Specifications or on the plans to any Specification, standard, method, or publication of any scientific or technical society or other organization shall, in the absence of a specific designation to the contrary, be understood to refer to the Specification, standard, method, or publication in effect as of the date that the work is advertised for Bids.

B-16 Subcontracts

- (a) The attention of the Contractor is directed to the provisions of Public Contract Code sections 4100-4113, regarding subcontracting and said provisions are by this reference incorporated herein and made a part hereof.
- (b) Each Subcontract shall contain a suitable provision for the suspension or termination thereof should the work be suspended or terminated or should the Subcontractor neglect or fail to conform to every provision of the Contract Documents insofar as such provisions are relevant. No Subcontractor or supplier will be recognized as such, and all persons engaged in work will be considered as employees of the Contractor, and the Contractor will be held responsible for their work, which shall be subject to the provisions of the Contract Documents. The Contractor shall be fully responsible to the SRA for the acts or omissions of its Subcontractors and of the persons either directly or indirectly employed by him. Nothing contained in the Contract Documents shall create any contractual relationship between any Subcontractor and the SRA. If a legal action, including arbitration and litigation, against the SRA is initiated by a Subcontractor or Supplier, the Contractor shall reimburse the SRA for the amount of legal, engineering and all other expenses incurred by the SRA in defending itself in said action. A copy of each subcontract must be provided to SRA.

- (c) The SRA and the Engineer reserve the right to approve all subcontractors. Such approval shall be a consideration to the awarding of the Contract and unless notification to the contrary is given to the Contractor prior to the signing of the Contract, the list of subcontractors which is submitted with its proposal will be deemed to be acceptable.

B-17 Cooperation of Contractors

- (a) Should construction be under way by other forces or by other Contractors within or adjacent to the limits of the work specified or should work of any other nature be under way by other forces within or adjacent to said limits, the Contractor shall cooperate with all such other contractors or other forces to the end that any delay or hindrance to their work will be avoided. The right is reserved to perform other or additional work at or near the site (including material sources) at any time, by the use of other forces.
- (b) When two or more contractors are employed on related or adjacent work, each shall conduct its operation in such a manner as not to cause any unnecessary delay or hindrance to the other. Each contractor shall be responsible to the other for all damage to work, to persons or property caused to the other by its operations, and for loss caused the other due to its unnecessary delays or failure to finish the work within the time specified for completion.

B-18 Superintendence

- (a) The Contractor shall designate in writing before starting work an individual as authorized representative who shall have the authority to represent and act for the Contractor. This authorized representative shall be present at the site of the work at all times while work is actually in progress on the Contract. When work is not in progress and during periods when work is suspended, arrangements acceptable to the Engineer shall be made for any emergency work which may be required.
- (b) The Contractor is solely responsible, at all times, for the superintendence of the work and for its safety and progress.
- (c) Whenever the Contractor or its authorized representative is not present on any particular part of the work where it may be desired to give direction, orders will be given by the Engineer, which shall be received and obeyed by the superintendent or foreman who may have charge of the particular work in reference to which the orders are given.
- (d) Any order given by the Engineer, not otherwise required by the Specifications to be in writing, will on request of the Contractor, be given or confirmed by the Engineer in writing.

B-19 Inspection of Work

- (a) Unless otherwise provided, all equipment, materials, and work shall be subject to inspection and testing by the Engineer. The Engineer will observe the progress and quality of the work and determine, in general, if the work is proceeding in accordance with the intent of the Contract Documents. It shall not be required to make comprehensive or continuous inspections to check the quality of the work, and it shall not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the work. Visits and observations made by the Engineer shall not relieve the Contractor of its obligation to conduct comprehensive inspections of the work and to furnish proper materials, labor, equipment and tools, and perform acceptable work, and to provide adequate safety precautions, in conformance with the intent of the Contract.
- (b) Whenever the Contractor varies the period during which work is carried on each day, it shall give due notice to the Engineer so that proper inspection may be provided. Any work done in the absence of the Engineer shall be subject to rejection. Proper facilities for safe access for inspection to all parts of the work shall at all times be maintained for the necessary use of the Engineer and other agents of the SRA, and agents of the Federal, State, or local governments at all reasonable hours for

- (c) inspection by such agencies to ascertain compliance with laws and regulations.
- (d) One or more inspectors may be assigned to observe the work and to act in matters of construction under this Contract. It is understood that inspectors shall have the power to issue instructions and make decisions within the limitations of the authority of the Engineer. Such inspection shall not relieve the Contractor of its obligation to conduct comprehensive inspections of the work, to furnish proper materials, labor, equipment and tools, and perform acceptable work, and to provide adequate safety precautions in conformance with the intent of the Contract.
- (e) The Engineer and its representatives and the SRA and its Representative shall at all times have access to the work wherever it is in preparation or progress, and the Contractor shall provide safe and convenient facilities for such access and for inspection. If the Specifications, the Engineer's instructions, laws, ordinances, or any public authority require any material, equipment or work to be specifically tested or approved, the Contractor shall give the Engineer timely notice of its readiness for inspection, and if the inspection is by an authority other than the SRA, of the time fixed for inspection. Inspections by the Engineer will be made promptly and, where practicable, at the source of supply.
- (f) Work performed without inspection may be required to be removed and replaced under proper inspection and the entire cost of removal and replacing, including the cost of SRA-furnished materials used in the work, shall be borne by the Contractor, regardless of whether or not the work exposed is found to be defective. Examination of questioned work, other than that installed without inspection, may be ordered by the Engineer and, if so ordered; the work must be uncovered by Contractor. If such work is found to be in accordance with the Contract Documents, the SRA will pay the cost of re-examination and replacement. If such work is found to be not in accordance with the Contract Documents, the Contractor shall pay such cost unless it can show that the defect in the work was caused by another Contractor, and in that event the SRA will pay such costs.
- (g) The inspection of the work shall not relieve the Contractor of its obligation to fulfill the Contract as herein prescribed, or in any way alter the standard of performance provided by the Contractor, and defective work shall be made good and unusable materials may be rejected, notwithstanding that such work and materials have been previously overlooked by the Engineer and accepted or estimated for payment. If the work or any part thereof shall be found defective, Contractor shall, within ten (10) calendar days, make good such defect in a manner satisfactory to the Engineer. If the Contractor shall fail or neglect to make ordered repairs of defective work or to remove the condemned materials from the work within ten (10) calendar days after direction by the Engineer in writing, the SRA may make the ordered repairs, or remove the condemned materials, and deduct the cost thereof from any monies due the Contractor.
- (h) The Contractor shall furnish promptly without additional charge all facilities, labor and materials reasonably needed by the Engineer for performing all inspection and tests. Contractor shall be charged with any additional cost of inspection when material and workmanship are not ready at the time specified by the Contractor for its inspection.
- (i) Where any part of the work is being done under an encroachment permit or building permit, or is subject to Federal, State, County or SRA codes, laws, ordinances, rules or regulations, representatives of the government agency shall have full access to the work and shall be allowed to make any inspection or tests in accordance with such permits, codes, laws, ordinances, rules, or regulations. If advance notice of the readiness of the work for inspection by the governing agency is required, the Contractor shall furnish such notice to the appropriate agency.
- (j) The Engineer may inspect the production of the material, or the manufacture of products at the source of supply. Plant inspection, however, will not be undertaken until the Engineer is assured of the cooperation and assistance of both the Contractor and the material producer. The Engineer or its authorized representative shall have free entry at all times to such parts of the plant as concerns the manufacture or production of the materials. Adequate facilities shall be furnished free of charge to make the necessary inspection. The SRA assumes no obligation to inspect materials at the source of supply.
- (k) Forty-eight hours prior to work being accomplished, the Contractor will notify the Engineer of the proposed working hours to accomplish the work for that day. Overtime and shift work may be established as a regular procedure by the Contract and with the written permission of the Engineer. Such permission may be revoked at any time. No work other than overtime and shift work established as a regular

procedure shall be done between the hours of 6 p.m. and 7 a.m., nor on Saturdays, Sundays, or legal holidays, except such work as is necessary for the proper care and protection of the work already performed or except in case of an emergency.

All costs for the overtime inspection, including those occurring as a result of overtime and shift work established as a regular procedure, shall be paid for by the Contractor. Overtime inspection shall include inspection required during holidays, Saturdays, Sundays, and any weekday between the hours of 6 p.m. and 7 a.m. Such costs will include, but will not necessarily be limited to, engineering, inspection, general supervision and other expenses which are directly chargeable to the overtime work. All such charges shall be deducted by the SRA from payment due the Contractor.

- (l) A pre-final inspection of the Work will be made by the SRA and the Engineer. This inspection shall be made as soon as practical after Contractor has notified the SRA in writing that the Work is ready for this inspection. The pre-final inspection shall be made prior to acceptance of any portion of the work as being substantially complete and prior to filing the Notice of Completion.

A final inspection of all the work will be made by the SRA, Engineer, and Contractor.

B-20 Tests

The SRA shall witness all tests specified or required by the Technical Specifications. The responsibility for payment for these tests is also outlined in the Technical Specifications. The Engineer will require such tests as it deems necessary to determine the quality of work or compliance with Contract Documents. The Contractor shall furnish promptly without additional charge all facilities, labor, and material reasonably required for performing safe and convenient tests as may be required by the Engineer. All tests by the Engineer will be performed in such a manner as will not unnecessarily delay the work. The Contractor shall not be required to reimburse the SRA for tests performed by the SRA or Engineer. If samples of materials are submitted which fail to pass the specified tests, the Contractor shall pay for all subsequent tests.

B-21 Removal of Rejected and Unauthorized Work and Materials

- (a) All work or materials which have been rejected shall be remedied, or removed and replaced by the Contractor in an acceptable manner and no compensation will be allowed it for such removal, replacement, or remedial work.
- (b) Any work done beyond the lines and grades shown on the plans or established by the Engineer or any extra work done without written authority will be considered as unauthorized work and will not be paid for. Upon order of the Engineer, unauthorized work shall be remedied, removed, or replaced at the Contractor's expense.
- (c) Upon failure of the Contractor to comply with any order of the Engineer made under this Section, the SRA may cause rejected or unauthorized work to be remedied, removed or replaced, and may deduct the costs therefore from any monies due or to become due the Contractor.
- (d) If following the installation of any equipment furnished hereunder, defects requiring correction by the Contractor are found, the SRA shall have the right to operate such unsatisfactory equipment and make reasonable use thereof until the equipment can be shut down for correction of defects without injury to the SRA.

B-22 Deductions for Uncorrected Work

If the Engineer deems it inexpedient to correct work damaged or not done in accordance with the Contract, an equitable deduction from the Contract price shall be made therefore, and such sum may be withheld by SRA from Contractor's payment.

B-23 Equipment and Plants

- (a) Only equipment and plants suitable to produce the quality of work and materials required will be permitted to operate on the project.
- (b) Plants will be designed and constructed in accordance with general practice for such equipment and shall be of sufficient capacity to insure the production of sufficient material to carry the work to completion within the time limit.
- (c) The Contractor shall provide adequate and suitable equipment and plants to meet the above requirements, and when ordered by the Engineer, shall remove unsuitable equipment from the work and discontinue the operation of unsatisfactory plants.
- (d) The Contractor shall identify each piece of its equipment, other than hand tools, by means of an identifying number plainly stenciled or stamped on the equipment at a conspicuous location, and shall furnish to the Engineer a list giving the description of each piece of equipment and its identifying number. In addition, the make, model number and empty gross weight of each unit of compacting equipment shall be plainly stamped or stenciled in a conspicuous place on the unit. The gross weight shall be either the manufacturer's rated weight or the scale weight.
- (e) In the case of termination of this Contract before completion from any cause whatever, the Contractor, if notified to do so by the SRA, shall promptly remove any part or all of its equipment and supplies from the property of the SRA. If the Contractor fails to do so, the SRA shall have the right to remove such equipment and supplies at the expense of the Contractor.

B-24 Character of Worker

The Contractor shall employ only competent subcontractors or skillful workers to do the work. If any Subcontractor, or person employed by the Contractor or any Subcontractor shall fail or refuse to carry out the directions of the SRA or its agents or shall appear to the SRA or its agents to be incompetent or to act in a disorderly or improper manner, it shall be removed from the project work immediately on the requisition of the SRA or its agents, and such person shall not again be employed on the work. Such discharge shall not be the basis for any claim for compensation or damages against the SRA, or any of its officers or agents.

B-25 Separate Contracts

The SRA reserves the right to let other contracts in connection with this work. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly connect and coordinate its work with the other contractor's work.

If any part of the Contractor's work depends for proper execution or results upon the work of any other contractor, the Contractor shall inspect and promptly report to the Engineer any defects in such work that render it unsuitable for such proper execution and results. The Contractor's failure to inspect and report shall constitute an acceptance of the other contractor's work as fit and proper for the reception of its work, except as to defects which may develop in the other contractor's work after the execution of its work.

To insure the proper execution of its subsequent work, the Contractor shall measure work already in place and shall at once report to the Engineer any discrepancy between the executed work and the drawings.

The SRA may perform additional Work related to the Project by himself, or he may let other

Contracts containing provisions similar to these. The Contractor will afford the other Contractors who are parties to such Contracts (or the SRA, if he is performing the additional Work himself), reasonable opportunity for the introduction and storage of materials and equipment and the execution of Work and shall properly connect and coordinate his Work with theirs.

If the performance of additional Work by other Contractors or the SRA is not noted in the Contract Documents prior to the execution of the Contract, written notice thereof shall be given to the Contractor prior to starting any such additional Work. If the Contractor believes that the performance of such additional Work by the SRA or others involves him in additional expense or entitles him to an extension of the Contract Time, he may make a claim therefore as provided in Part 3, Article 1, Section B- 7 of this Contract.

B-26 Materials, Services and Facilities

- (a) Unless otherwise specifically stated in the Contract Documents, the Contractor shall furnish all materials, labor, tools, equipment, water, light, power, sanitary facilities, transportation, supervision, temporary construction of any nature on all of the facilities necessary for the execution and completion of the work. Unless otherwise specified, all materials shall be new and shall be manufactured, handled, and installed in a workmanlike manner to insure completion of the work in accordance with the Contract Documents. The Contractor shall, upon request of the Engineer, furnish satisfactory evidence as to the kind and quality of materials.
- (b) Where materials are to be furnished by the SRA, the type, size, quantity and location at which they are available will be stated in the Contract Documents.
- (c) Manufacturers' warranties, guarantees, instruction sheets and parts listed, which are furnished with certain articles or materials incorporated in the work, shall be delivered to the Engineer before acceptance of the Contract.

Manufactured articles, materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned as directed by the manufacturer.

Materials, supplies and equipment shall be in accordance with samples submitted by the Contractor and approved by the Engineer.

Materials, supplies or equipment to be incorporated into the Work shall not be purchased by the Contractor or the subcontractor subject to a chattel mortgage or under a conditional sale contract or other agreement by which an interest is retained by the seller.

The completed work shall include all necessary permanent safety devices, such as machinery guards and similar ordinary safety items required by the State and Federal (OSHA) industrial safety authorities and applicable local and national codes. Further, any features of the work subject to such safety regulations shall be fabricated, furnished, and installed in compliance with these requirements. Prior to performing Work specified herein, the Contractor shall request an inspection by a State Industrial Safety representative for the purpose of determining that the facilities provided are in compliance with the State and Federal safety requirements. Any facilities which are deemed necessary by official response following the above safety inspection shall be added or corrected as required as a part of the Contract work. However, no payment will be made to the Contractor for such changes or additions to equipment furnished under this Contract since it is a requirement of these Specifications that such equipment be manufactured or fabricated in such a manner as to be in conformance with all Federal, State, and local safety requirements. The Contractor shall notify all manufacturers, equipment suppliers, and subcontractors of the provisions of this article.

In approving equipment for installation in the project, the SRA and Engineer assume no responsibility for injury or claims resulting from failure of the equipment to comply with applicable National, State, and local safety codes or requirements, or the safety requirements of a recognized

agency, or failure due to faulty design concepts, or defective workmanship and materials.

All materials incorporated into the job shall be new, especially purchased for the project unless otherwise specified or agreed in writing. Unless otherwise noted, any equipment offered shall be current modifications which have been in successful regular operation under comparable conditions for a period sufficient to determine the reliability of the product. This time requirement, however, does not apply to minor details nor to thoroughly demonstrated improvements in design or in materials of construction.

Whenever the Contractor shall furnish materials or manufactured articles or shall do work for which no detailed specifications are set forth, the materials or manufactured articles shall be of the best grade in quality and workmanship obtainable in the market from firms of established good reputation, or, if not ordinarily carried in stock, shall conform to the usual standards of first-class materials or articles of the kind required with due consideration of the use to which they are to be put. In general, the work performed shall be in full conformity and harmony with the intent to secure the best standard of construction and equipment of the work as a whole or in part.

B-27 Storage of Materials

Materials shall be so stored as to ensure the preservation of their quality and fitness for the Work. When considered necessary, they shall be placed on wooden platforms or other hard, clean surfaces, and not on the ground, and they shall be placed under cover. Stored materials shall be located so as to facilitate prompt inspection. Private property shall not be used for storage purposes without the written permission of the owner or lessee.

Because of Permit constraints on use of areas directly adjacent to the constructing project, contractor shall provide off-site areas for storing equipment and material if he deems such areas as being inadequate to execute the work.

Electrical equipment, devices, and motors shall be placed in dry and warm storage as approved by the Engineer.

All equipment and materials which are not to be painted (such as aluminum and stainless steel) and all factory finished or coated equipment and materials which are not to be painted, that are installed prior to completion of adjacent work, shall be completely covered and protected.

Articles or materials to be incorporated in the work shall be stored in such a manner as to insure the preservation of their quality and fitness for the work, and to facilitate inspection.

B-28 Trade Names and Alternatives

For convenience in designation in the Specifications and plans, certain articles or materials to be incorporated in the work may be designated under a trade name or the name of a manufacturer and its catalog information. The use of an alternative article or material which is of equal quality and of the required characteristics for the purpose intended will be permitted, subject to the following requirements:

- (1) The burden of proof as to the quality and suitability of alternatives shall be upon the Contractor and it shall furnish all information necessary as required by the Engineer. The Engineer shall be the sole judge as to the quality and suitability of alternative articles or materials and its decision shall be final.
- (2) Whenever the Specifications and Plans permit the substitution of a similar or equivalent material or article, no tests or action relating to the approval of such substitute material or article will be made until

the request for substitution is made in writing by the Contractor accompanied by complete data as to the equality of the material or article proposed. Such request by the Contractor must be made within thirty-five (35) days after award of Contract.

B-29 Certificate of Compliance

- (a) A Certificate of Compliance shall be furnished prior to the use of any materials on the project, unless otherwise noted in the technical specifications. In addition, when so authorized in the Specifications, the Engineer may permit the use of certain materials or assemblies prior to sampling and testing if accompanied by a Certificate of Compliance. The Certificate shall be signed by the manufacturer of the material or the manufacturer of assembled materials and shall state that the materials involved comply in all respects with the requirements of the Contract. A Certificate of Compliance shall be furnished with each lot of material delivered to the work and the lot so certified shall be clearly identified in the Certificate.
- (b) All materials used on the basis of a Certificate of Compliance may be sampled and tested at any time. The fact that material is used on the basis of a Certificate of Compliance shall not relieve the Contractor of responsibility for incorporating material in the work which conforms to the requirements of the Contract Documents and any such material not conforming to such requirements will be subject to rejection whether in place or not.
- (c) The SRA reserves the right to refuse to permit the use of material on the basis of a Certificate of Compliance.
- (d) The form of the Certificate of Compliance and its disposition shall be as directed by the Engineer.

B-30 Assignment

The Contractor shall not assign the Contract or sublet it as a whole or in part without the prior written consent of the SRA, nor shall the Contractor assign any monies due, or to become due to it hereafter, without the prior written consent of the SRA.

B-31 Use of Completed Portions, Right to Operate Unsatisfactory Equipment or Facilities

- (a) The SRA may, at any time, and from time to time, during the performance of the work, enter the work site for the purpose of installing any necessary work by the SRA labor or other contracts, and for any other purpose in connection with the installation of facilities. In doing so, the SRA shall endeavor not to interfere with the Contractor and the Contractor shall not interfere with other work being done by or on behalf of the SRA.
- (b) If, prior to completion and final acceptance of all the work, the SRA takes possession of any structure or facility (whether completed or otherwise) comprising a portion of the work with the intent to retain possession thereof (as distinguished from temporary possession contemplating the return to the Contractor), then, while the SRA is in possession of the same, the Contractor shall be relieved of liability for loss or damage to such structure other than that resulting from the Contractor's fault or negligence. Such taking of possession by the SRA's shall not relieve the Contractor from any provisions of this Contract respecting such structure, other than to the extent specified in the preceding sentence, nor constitute a final acceptance of such structure or facility.
- (c) If, following installation of any equipment or facilities furnished by the Contractor, defects requiring correction by the Contractor are found, the SRA shall have the right to operate such unsatisfactory equipment or facilities and make reasonable use thereof until the equipment or facilities can be shut down for correction of defects without injury to the SRA.

B-32 Lands for Work, Right-of-Way Construction Roads

- (a) The SRA will provide the lands, easements, rights-of-way, and/or encroachment permits necessary or other rights to enter and work on lands necessary for the performance of the work. Other permits and licenses are addressed by sections B-13 and B-49. Should the Contractor find it advantageous to use any additional land for any purpose whatever, the Contractor shall provide for the use of such land at its expense. The Engineer shall be furnished with a copy of written agreements or otherwise be notified in writing of additional working space which is acquired. Nothing herein contained and nothing marked on the plans shall be interpreted as giving the Contractor exclusive occupancy of the territory provided by the SRA. When two or more contracts are being executed at one time on the same or adjacent land in such a manner that work on one contract may interfere with that on another, the Engineer shall decide which contractor shall cease work, and which shall continue, or whether the work on both contracts shall progress at the same time and in what manner, and the decision of the Engineer shall be final and binding. When the territory of one contract is the necessary or convenient means of access for the performance of another contract, such privilege of access or any other reasonable privilege may be granted by the Engineer to the contractor so desiring, to the extent, amount, in the manner, and at the time permitted. No such decision as to the method or time of conducting the work or the use of territory shall be the basis of any claim for delay or damage.
- (b) Lands, easements or rights-of-way to be furnished by the SRA for construction operations will be specifically shown on the Plans.
- (c) The Contractor shall maintain all roads necessary to reach the various parts of the work and for the transportation thereto of construction material and personnel. The cost of maintaining such roads shall be borne by the Contractor.
- (d) Certain areas of access are limited by permits and require mats or matting for their use. Such mats may be of wood, metal or combination of appropriate geotechnical fabric with gravel overlay. However, at project conclusion all mats must be removed and the surface restored to its original condition. The rock construction entrances shall remain in place unless noted otherwise on the plans.

B-33 SRA's Right to Audit and Preservation of Records

- (a) The Contractor shall maintain books, records and accounts of all costs in accordance with generally accepted accounting principles and practices. The SRA, the Bureau of State Audits, Comptroller General of the United States, and their authorized representatives shall have the right to review and copy any records and supporting documentation pertaining to the performance of this agreement and to interview staff related to the performance of this agreement. Furthermore, the SRA or its designated representatives shall have the right to audit the books, records and accounts of the Contractor under any of the following conditions:
 - (1) Contract is terminated for any reason in accordance with the provisions of the Contract Documents in order to arrive at equitable termination costs;
 - (2) In the event of a disagreement between the Contractor and the SRA over the
 - (3) amount due the Contractor under the terms of the Contract;
 - (4) To check or substantiate any amounts invoiced or paid which are required to reflect the costs of the Contractor, or the Contractor's efficiency or effectiveness under this Contract or in connection with extras, changes, claims, additions, backcharges, or others, as may be provided for in this contract; and/or

- (5) If it becomes necessary to determine the SRA's rights and the Contractor's obligations under the Contract or to ascertain facts relative to any claim against the Contractor which may result in a charge against the SRA;
- (6) To determine any difference in cost occasioned by a permissible substitution;
- (7) For any other reason in the SRA's sole judgment.
- (b) If any of the conditions stated in paragraph B-33(a) are satisfied, Contractor shall provide the SRA (or its representatives), unlimited, reasonable access during working hours to the Contractor's books and records under the conditions stated above. The SRA's audit rights shall be liberally construed in the SRA's favor.
- (c) The Contractor, from the effective date of final payment or termination hereunder, shall preserve and make available to the SRA for a period of three (3) years thereafter, at all reasonable times at the office of the Contractor (but without any charge to the SRA), all its books, records, documents, photographs, micro-photographs, and other evidence bearing on the costs and expenses of the Contractor under this Contract and relating to the work hereunder.
- (d) The SRA will make all payments required of it under this Contract subject to audit, under circumstances stated above, which audit may be performed at the SRA's option, either during the Contract time period or during the record retention time period. Regardless of authorization, approval or acceptance, signatures or letters which are given by the SRA and are part of the SRA's control systems or are requested by the Contractor, the payments made under this Contract shall not constitute a waiver or agreement by the SRA that it accepts as correct the billings, invoices or other charges on which the payments are based. If the SRA's audit produces a claim against the Contractor, the SRA may pursue all its legal remedies even though it has made all or part of the payments required by this Contract.
- (e) If any audit by the SRA or its representative discloses an underpayment by the SRA pursuant to the terms of the Contract Documents, the SRA shall have the duty to pay any amount found by the audit to be owed to the Contractor. If such audit discloses an overpayment, the Contractor shall have the obligation to reimburse the SRA for the amount of the overpayment. The SRA's right to claim reimbursement from the Contractor of any overpayment shall not be terminated or waived until three years after the completion of the SRA's audit or upon the termination of audit rights under subparagraph B-33(f), whichever date is later. The obligation of the Contractor to make reimbursements hereunder shall not terminate except as provided by law.
- (f) The SRA's right to audit and the preservation of records shall terminate at the end of three (3) years after the date final payment is made or termination of the Contract. The Contractor shall include this "Right to Audit and Preservation of Records" clause in all subcontracts issued by it shall require the same to be inserted by all lower tier Subcontractors in their subcontracts, for any portion of the work. Should Contractor fail to include this clause in any such contract or lower tier contract, or otherwise fail to insure the SRA's rights hereunder, Contractor shall be liable to the SRA for all costs, expenses and attorney's fees which the SRA may have to incur obtaining or attempting to obtain an audit or inspection of or the restoration of records which otherwise have been available to the SRA from said persons under this clause. Such audit may be conducted by the SRA or its authorized representative.

ARTICLE III. PROGRESS AND COMPLETION OF WORK

B-34 Progress Schedule

The Contractor shall submit to the SRA such schedules of quantities and costs, progress schedules, payrolls, reports, estimates, records and other data, where applicable, as are required by the Contract Documents for the Work to be performed.

Prior to the first partial payment estimate, the Contractor shall submit construction progress

schedules showing the order in which it proposes to carry on the Work, including dates at which it will start the various parts of the WORK, estimated date of completion of each part and as applicable:

- The dates at which special detail drawings will be required; and
- Respective dates for submission of Shop Drawings, the beginning of manufacture, the testing and the installation of materials, supplies, and equipment.
- The Contractor shall also submit a schedule of payments that it anticipates it will earn during the course of the Work.

The progress schedules shall be submitted regularly and shall cover a time period satisfactory to the Engineer. The Contractor shall also forward to the Engineer, with the request for progress payment each month, a summary report of the progress of the various parts of the Work under the Contract in the shops and in the field, stating the existing status, rate of progress, estimated time of completion, and cause of delay, if any. If the work is behind the submitted schedule, the Contractor shall submit in writing a plan acceptable to the SRA and Engineer for bringing the Work up to schedule.

B-35 Commencement and Progress of the Work and Time of Completion

Prior to the start of construction, the SRA will conduct a preconstruction conference. At the conference, the SRA will review the planned development with the Engineer, Contractor, and other interested parties. Items to be reviewed include materials, equipment, rights-of-way, schedules and all arrangements for prosecuting the Work in accordance with the various permits. Funding for this agreement carries with it the requirement for a Labor Compliance Program to assure that the prevailing wage provisions of the Labor Code are being met. The pre-construction conference will also include an overview of fair labor requirements and distribution of documents.

The Contractor shall begin work after receiving a Notice to Proceed and shall diligently prosecute the work to completion as described in the benchmark schedule in the plans. Engineer shall have the right to specify the locations where Contractor shall start and proceed with the work.

It is the interest of the SRA to issue to Notice to Proceed by **January 14, 2022.**

B-36 Suspension of Work

- (a) The Engineer may at any time, by notice in writing to the Contractor, suspend any part of the work for such period of time as may be necessary to prevent improper execution of the work on the project by the Contractor, its Subcontractors or agents, and the Contractor shall have no claim for damages or additional compensation on account of any such suspension.
- (b) The SRA may at any time suspend any part or all of the work upon ten (10) days written notice to the Contractor, who shall thereupon discontinue all work suspended except for all operations to prevent loss or damage to work already executed as may be directed by the Engineer. In the event a part of the work is suspended, the Contractor, if the suspension is not through its fault or the fault of its Subcontractors or agents, shall be paid on the same basis as Extra Work for costs of work performed in accordance with such orders of the Engineer during such suspension, provided that this shall not include any cost pertaining to work not suspended by said notice. Work shall be resumed by the Contractor after such suspension on written notice from the SRA. In the event of suspension of the entire work by the SRA, the Contractor, if the suspension is not through fault of the Contractor or the fault of its Subcontractors or agents, shall be paid the sum of \$0 for each calendar day during which the entire work shall have been suspended. Said sum is hereby mutually agreed upon as fixed and liquidated damages in full settlement of all costs and expenses, losses and damages resulting to the Contractor from such suspension. Work shall be resumed by the Contractor after such suspension on written notice from the SRA.
- (c) In the event of any suspension of the work in whole or in part under subsection (b) above, the Contractor shall be entitled to an extension of time wherein to complete the work to the extent of the delay caused

the Contractor thereby.

- (d) In the event the entire work shall be suspended by order of the SRA, as hereinabove provided, and shall remain so suspended for a period of sixty (60) consecutive days, through no fault of the Contractor, and notice to resume the work shall not have been served on the Contractor as hereinabove provided, Contractor may, at its option, by written notice to the SRA, terminate the Contract in the same manner as if the termination had been initiated by the SRA, and the SRA shall have no claim for damages because of such termination of the Contract.
- (e) If, through no act or fault of the Contractor, the Work is suspended for a period of more than ninety (90) days by the SRA or under an order of Court or other public authority, or the Engineer fails to act on any request for payment within one-hundred and twenty (120) days after it is submitted, or the SRA fails to pay the Contractor substantially the sum approved by the Engineer or any final award by arbitration or litigation within one-hundred and twenty (120) days of its approval and presentation, then the Contractor may, after ten (10) days from delivery of a written notice to the SRA and the Engineer, terminate the Contract and recover from the SRA payment for all Work executed and all expenses sustained.

In addition and in lieu of terminating the Contract, if the Engineer has failed to act on a request for payment or if the SRA has failed to make any payment as aforesaid, the Contractor may upon ten (10) days written notice to the SRA and the Engineer stop the Work until he has been paid all amounts then due, in which event and upon resumption of the Work, Change Orders shall be issued for adjusting the Contract Price or extending the Contract Time or both to compensate for the costs and delays attributable to the stoppage of the Work.

If the performance of all or any portion of the Work is suspended, delayed, or interrupted as a result of a failure of the SRA or Engineer to act within the time specified in the Contract Documents, or if no time is specified, within a reasonable time, an adjustment in the Contract Price or an extension of the Contract Time, or both, shall be made by Change Order to compensate the Contractor for the costs and delays necessarily caused by the failure of the SRA or Engineer.

If the Contractor intends to file a claim for additional compensation for a delay caused by the SRA or Engineer at a particular time, he shall file a Notice of Claim with the SRA within 7 days of the beginning of the occurrence. The Notice of Claim shall be in duplicate, in writing, and shall state the circumstances and the reasons for the Claim, but need not state the amount. No Claim for additional compensation will be considered unless a Notice of Claim has been filed with the SRA within the time and in the manner stated above. Contractor's failure to file a claim shall constitute a waiver.

B-37 Termination For Default - Damages For Delay - Timely Extension

- (a) The Contractor shall at all times employ such force, plant, materials, and tools as will be sufficient, in the opinion of the Engineer, to prosecute the work at not less than the rates fixed under the terms of the Contract and to complete the work or any part thereof within the time limits fixed therein. If the Contractor refuses or fails to prosecute the work, or any separable part thereof, with such diligence as will ensure the completion within the time specified in the Contract, or any extension thereof, or fails to complete said work within such time, the SRA may, after giving ten (10) days written notice to the Contractor, terminate its right to proceed with the work or such part of the work as to which there has been delay.
- (b) The Contractor's right to proceed shall not be so terminated nor the Contractor charged with resulting damage if:
 - (1) The delay in the completion of the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including but not restricted to Acts of God, acts of the public enemy, acts of the SRA, acts of another contractor in the performance of a Contract with the SRA, fires, floods, excluding site flooding due to groundwater, epidemics, quarantine restrictions, unusually severe weather, as determined by the Engineer; and

- (2) The Contractor shall, within 48 hours of the start of the occurrence, give notice to the SRA of the cause of the potential delay and an estimate of the possible time extension involved. The Contractor, within seven (7) days from the beginning of any such delay (unless the Engineer grants further period of time before the date of final payment under the Contract), notifies the Engineer in writing of the causes of delay and requests an extension of time.

The Engineer shall ascertain the facts and the extent of the delay and extend the time for completing the work when, in its judgment, the findings of fact justify such an extension, and its findings of fact shall be final and conclusive on the parties.

- (c) A request for an extension of time, or the granting of an extension of time, shall not constitute a basis for any claim against the SRA for additional compensation or damages unless caused by the SRA or another contractor employed by the SRA.
- (d) If the Contractor should be adjudged bankrupt, or if it should make a general assignment for the benefit of its creditors, or if a receiver should be appointed for the Contractor on account of its insolvency and not be discharged within ten (10) days after its appointment, or if the Contractor should fail to make prompt payments to subcontractors or suppliers, or should it persistently disregard laws, ordinances, or the instructions of the Engineer, or otherwise commit a substantial violation of any provisions of the Contract, the SRA may, after giving ten (10) days written notice to the Contractor, terminate the Contract and the Contractor's right to proceed with the work.
- (e) No extension of time will be considered for time lost due to weather conditions normal to the area. Unusual weather conditions, if determined by the Engineer to be of a severity that could not be predicted, may be considered as cause for an extension of Contract completion time.
- (f) Delays in delivery of equipment or material purchased by the Contractor or his subcontractors shall not be considered as a just cause for delay. The Contractor shall be fully responsible for the timely ordering, scheduling, expediting delivery, and installation of all equipment and materials.
- (g) The rights and remedies of the SRA provided in this section are in addition to any of the rights and remedies provided by law or under this Contract.
- (h) In addition to the SRA's rights under this section, if at any time before completion of the work under the Contract, it shall be determined by the SRA that reasons beyond the control of the parties hereto render it impossible or against the interests of the SRA to complete the work, or if the work shall be stopped by an injunction of a court of competent jurisdiction or by order of any competent authority, the SRA may, upon ten (10) days written notice to the Contractor, discontinue the work and terminate the Contract. Upon service of such notice of termination, the Contractor shall discontinue the work in such manner, sequence, and at such times as the Engineer may direct. The Contractor shall have no claim for damages for such discontinuance or termination, nor any claim for anticipated profits on the work thus dispensed with, nor any other claim except for the work actually performed up to the time of discontinuance, including any extra work ordered by the Engineer to be done, nor for any claim for liquidated damages in accordance with the provisions of Section B-39.

B-38 Rights of SRA Upon Termination

- (a) In the event the right of the Contractor to proceed with the work, or any portion thereof, has been terminated because of the fault of the Contractor and the Contractor has been given ten (10) days' notice to cure such fault and has not done so, the SRA may take over the work and prosecute the same to completion by contract or any other method the SRA deems expedient, and may take possession of and utilize in completing the work such materials, appliances, equipment and plant as may be on the site of the work and necessary therefore. Whether or not the Contractor's right to proceed with the work is terminated, it and its sureties shall be liable for all damages including costs of managerial and administrative services, engineering, legal and other consultant fees, sustained or incurred by the SRA in enforcing the provisions of Section B-37 and in completing or causing to complete the Contract work.

Upon termination the Contractor shall not be entitled to receive any further payment until the work

is finished. If upon completion of the work the total cost to the SRA, including engineering, legal and other consultant fees, costs of managerial and administrative services, construction costs, and liquidated damages shall be less than the amount which would have been paid if the work had been completed by the Contractor in accordance with the terms of the Contract, then the difference shall be paid to the Contractor in the same manner as the final payment under the Contract. If the total cost incurred by the SRA on account of termination of the Contract and subsequent completion of the work by the SRA by whatever method the SRA may deem expedient shall exceed said amount which the Contractor would otherwise have been paid, the Contractor and its sureties shall be liable to the SRA for the full amount of such excess expense.

B-39 The rights and remedies of the SRA provided in this section are in addition to any of the rights and remedies provided by the law or under this Contract.

B-40

Failure to Complete the Work in the Time Agreed Upon - Liquidated Damages

- (a) Liquidated Damages - It is agreed by the parties to the Contract that time is of the essence; and that in case all the work is not completed before or upon the expiration of the time limit as set in the Bid, Contract and Progress Schedule, or within any time extensions that may have been granted, damage will be sustained by the SRA; and that it may be impracticable to determine the actual amount of damage by reason of such delay; and it is, therefore, agreed that the Contractor shall pay to the SRA as damages the amount of **\$1,500.00 per day** for each and every day's delay in finishing the work by **October 31, 2021**. The parties expressly agree that this liquidated damage clause is reasonable under the circumstances existing at the time the Contract was made. The Contractor shall have the right to deduct the amount of liquidated damages from any money due or to become due the Contractor.
- (b) In addition, the SRA shall have the right to charge to the Contractor and to deduct from the final or progress payments for the work the actual cost to the SRA of legal, engineering, inspection, superintendence, and other expenses, which are directly chargeable to the Contract and which accrue during the period of such delay, except that the cost of final inspection and preparation of the final estimate shall not be included in the charges.
- (c) Exclusions - Notwithstanding the provisions of subsection (a), the Contractor shall not be liable for liquidated damages or delays caused by the removal or relocation of utilities when such removal or relocation is the responsibility of the SRA or the owner of the utility under Government Code Section 4215.

B-41 Clean-up

During the progress of the work, the Contractor shall maintain the site and related structures and equipment in a clean, orderly condition and free from unsightly accumulation of rubbish. Upon completion of work and before the final estimate is submitted, the Contractor shall at its own cost and expense remove from the vicinity of the work all plants, buildings, rubbish, unused work materials, concrete forms, and temporary bridging and other like materials, belonging to it or used under its direction during the construction, and in the event of its failure to do so, the same may be removed by the SRA after ten (10) calendar days' notice to the Contractor, such removal to be at the expense of the Contractor. Where the construction has crossed yards or driveways, they shall be restored by the Contractor to the complete satisfaction of the Engineer, at the Contractor's expense.

ARTICLE IV. LEGAL RELATIONS AND RESPONSIBILITY

B-42 Compliance with Laws - Permits, Regulations, Taxes

Contractor is an independent contractor and shall at its sole cost and expense comply with all

laws, rules, ordinances and regulations of all governing bodies having jurisdiction over the work, obtain all necessary permits and licenses therefore, pay all manufacturers' taxes, sales taxes, use taxes, processing taxes, and all Federal and state taxes, insurance and contributions for social security and unemployment which are measured by wages, salaries or any remuneration paid to Contractor's employees, whether levied under existing or subsequently enacted laws, rules or regulations. Contractor shall also pay all property tax assessments on materials or equipment used until acceptance by the SRA. If any discrepancy or inconsistency is discovered in the Plans or Specifications, or in this Contract in relation to any such law, rule, ordinance, regulation, order or decree, the Contractor shall forthwith report the same to the Engineer in writing. It shall also protect and indemnify the SRA, the Engineer, and all of the SRA's officers, agents, and servants against any claim or liability arising from or based upon the violation of any such law, rule, ordinance, regulation, order or decree, whether by the Contractor itself or by its employees. Particular attention is called to the following:

- (1) Without limitation, materials furnished and performance by Contractor hereunder shall comply with Safety Orders of the Division of Industrial Safety, State of California, Federal Safety regulations of the Bureau of Labor, Department of Labor; and any other applicable Federal regulations.
- (2) The Contractor, upon request, shall furnish evidence satisfactory to the SRA and Engineer that any or all of the foregoing obligations have been or are being fulfilled. The Contractor warrants to the SRA that it is licensed by all applicable governmental bodies to perform this Contract and will remain so licensed throughout the progress of the work, and that it has, and will have, throughout the progress of the work, the necessary experience, skill and financial resources to enable it to perform this Contract.
- (3) Project permits will be provided to the awarded contractor. The permit conditions have been included in the appendices of these specifications.

B-43 Prevailing Wage

- (a) This is a Public Works Project funded with CA State funds through the Fisheries Restoration (Proposition 84, 1E, 40, and 1) and Federal funds from the USFWS National Fish Passage Program. Therefore, CA State prevailing wage rates are required on this project. See Federal Provisions for federal prevailing wage requirements.
- (b) In accordance with the provisions of section 1720 et seq. of the Labor Code, the Division of Labor Standards and Research has determined the general prevailing rates or wages and employer payments for health and welfare, pension, vacation, travel time, and subsistence pay as provided for in section 1773.8. Prior to each pay period, the Contractor shall review the General Prevailing Wage Rates applicable to this project and verify that the correct wage rates are being paid. The most current wage rates are available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov/DLSR/PWD>. Contractor will be required to comply with any changes in these wage rates as they are updated by the State government during the course of the job at no cost to the Owner.
- (c) It is mandatory upon the Contractor herein and upon any Subcontractor to pay not less than the said specified rates to all laborers, workers and mechanics employed by them in the execution of the Agreement pursuant to CA Labor Code 1774.
- (d) Attention is directed to the provisions in section 1777.5 and sections 1777.6 of the Labor Code concerning the requirement to employ apprentices by the Contractor or any Subcontractor under it.
- (e) The Contractor shall comply with and shall cause his subcontractors to comply with all laws and regulations governing the contractor's and subcontractor's performance on this project including, but not limited to: anti-discrimination laws, workers' compensation laws, and prevailing wage laws as set forth in CA Labor Code, Sections 1720-1861 et seq. and licensing laws, as well as Federal Labor Standards set forth in the Davis-Bacon Act (40 USC 276(a-a5), the Copeland "Anti-Kickback" Act (40 USC 276©; and the Contract Work Hours and Safety Standards Act (CWHSSA) (40 USC 327-333). The contractor is required to include the prevailing wage language in all subcontracts pursuant to CA Labor Code

1775(E)(b)(1). The Contractor shall post, at appropriate conspicuous points on the site of the Project, a schedule showing all the determined general prevailing wage rates.

- (f) The Contractor agrees to comply with Labor Code Section 1775 (Payment of the Prevailing Wage Rates) and Labor Code 1776 (keeping accurate records) and Labor Code 1777.5, placing responsibility for compliance with the statutory requirements for all apprenticeable occupations on the prime contractor. The Contractor shall comply with the requirements imposed by the California Labor Code Sections 1720 through 1861 regarding public works projects and prevailing wage laws and sections 16000-16800 of the CA Code of Regulations.
- (g) Each worker needed to execute the work must be paid travel and subsistence payments as defined in the applicable collective bargaining agreements filed in accordance with Labor Code Section 1773.8.
- (h) Holiday and overtime work when permitted by law shall be paid for at a rate of at least one and one-half times the above specified rate of per diem wages, unless otherwise specified.
- (i) The Contractor shall forfeit as penalty to the SRA the sum of fifty dollars (\$50) for each calendar day or portion thereof for each worker (whether employed by the Contractor or Subcontractor) for violating the following labor codes; CA Labor Code 1813 for overtime, 1775 for underpayment of the prevailing wage, and 1776 for inaccurate or incomplete payroll records.
- (j) Per Labor Code Section 1776, the Contractor and subcontractors shall maintain and furnish to the SRA's Labor Compliance Officer at designated times, a certified copy of each weekly payroll containing a statement of compliance signed under the penalty of perjury. The SRA will audit payroll records to verify compliance and will withhold contract payments when payroll records are delinquent or inadequate. Withheld contract payments shall be equal to the amount of underpayment and applicable penalties when, after investigation, it is established that underpayment has occurred.
- (k) The SRA will not recognize any claims for additional compensation because of the payment of the wages set forth in the Contract Documents. The possibility of wage increases during the course of the job is one of the elements to be considered by the Contractor in determining its proposal, and will not under any circumstances be considered as the basis of a claim against the SRA or the Engineer.
- (l) The Contractor shall at all times keep posted at the jobsite current wage rates in effect for this Work in addition to other required employee notifications or postings.

B-44 Labor Discrimination and Labor Compliance

Attention is directed to Section 1735 of the Labor Code, which reads as follows:

No discrimination shall be made in the employment of persons upon public works because of the race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, or sex of such persons, except as provided in Section 12940 of the Government Code, and every Contractor for public works violating this section is subject to all the penalties imposed for a violation of this chapter.

- (a) Pursuant to Labor Code section 1771.4, the Contract for this Project, if awarded on or after January 15, 2015, is subject to compliance monitoring and enforcement by the California Department of Industrial Relations.
- (b) On each job site that is subject to compliance monitoring and enforcement by the Department of Industrial Relations under this subchapter, the prime contractor shall post a Notice containing the following language:
- (c) "This public works project is subject to monitoring and investigative activities by the Compliance Monitoring Unit (CMU) of the Division of Labor Standards Enforcement, Department of Industrial Relations, State of California. This Notice is intended to provide information to all workers employed in the execution of the contract for public work and to all contractors and other persons having access to the

job site to enable the CMU to ensure compliance with and enforcement of prevailing wage laws on public works projects.

- (d) “The prevailing wage laws require that all workers be paid at least the minimum hourly wage as determined by the Director of Industrial Relations for the specific classification (or type of work) performed by workers on the project. These rates are listed on a separate job site posting of minimum prevailing rates required to be maintained by the public entity which awarded the public works contract. Complaints concerning nonpayment of the required minimum wage rates to workers on this project may be filed with the CMU at any office of the Division of Labor Standards Enforcement (DLSE).
- (e) Local Office Telephone Number: 1-844-522-6734
- (f) “Complaints should be filed in writing immediately upon discovery of any violations of the prevailing wage laws due to the short period of time following the completion of the project that the CMU may take legal action against those responsible.
- (g) “Complaints should contain details about the violations alleged (for example, wrong rate paid, not all hours paid, overtime rate not paid for hours worked in excess of 8 per day or 40 per week, etc.) as well as the name of the employer, the public entity which awarded the public works contract, and the location and name of the project.
- (h) “For general information concerning the prevailing wage laws and how to file a complaint concerning any violation of these prevailing wage laws, you may contact any DLSE office. Complaint forms are also available at the Department of Industrial Relations website found at www.dir.ca.gov/dlse/PublicWorks.html.”

B-45 Eight-Hour Day Limitation

- (a) In accordance with the provisions of the Labor Code, and in particular, Sections 1810 to 1815 thereof, inclusive, eight hours labor shall constitute a day's work, and no worker, in the employ of said Contractor, or any Subcontractor, doing or contracting to do any part of the work contemplated by this Contract, shall be required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of those provisions; provided that subject to Labor Code Section 1815, a worker may perform work in excess of either eight (8) hours per day or forty (40) hours during any one week upon compensation for all hours worked in excess of eight (8) hours per day or forty (40) hours during any one week at not less than the rate of compensation required by Labor Code Section 1815.
- (b) The Contractor and each Subcontractor shall also keep an accurate record showing the names, addresses, social security numbers, work classifications, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by the Contractor and by the Subcontractor in connection with the work specified herein, which record shall be open at all reasonable hours to the inspection of the SRA, State and Federal officers and agents; and it is hereby further agreed that, except as provided in (a) above, the Contractor shall forfeit as a penalty to the SRA the sum of fifty dollars (\$50) for each worker employed in the performance of this Contract by it or by any Subcontractor under it for each calendar day during which such worker is required or permitted to labor more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of Sections 1810 through 1815.

B-46 Compliance with State Requirements for Employment of Apprentices

The Contractor's attention is directed to Section 1777.5 through 1777.2 of the Labor Code; provisions of those Sections pertaining to employment of registered apprentices are hereby incorporated by reference into these Specifications. As applicable, the Contractor or any Subcontractor employed by it

in the performance of the Contract work shall take such actions as necessary to comply with the provisions of Section 1777.5.

B-47 Underground Utilities

In accordance with Government Code Section 4215, the Contractor shall be compensated for the costs of locating, repairing damage not due to the failure of the Contractor to exercise reasonable care, and removing or relocating existing main or trunkline utility facilities not indicated in the Contract Plans and Specifications with reasonable accuracy, and for the equipment on the project necessarily idled during such work; provided that the Contractor shall first notify the Engineer before commencing work on locating, repairing damage to, removing or relocating such utilities.

B-48 Water Pollution

The Contractor shall exercise every reasonable precaution to protect streams, lakes, reservoirs, and canals from pollution with fuels, oils, bitumens, calcium chloride, and other harmful materials and shall conduct and schedule its operations so as to avoid or minimize muddying and silting of said streams, lakes, reservoirs, and canals. Care shall be exercised to preserve vegetation beyond the limits of construction disturbance. The Contractor shall comply with Section 5650 of the California Fish and Wildlife Code and all other applicable statutes and regulations relating to the prevention and abatement of water pollution.

B-49 Payment of Taxes

The Contract prices paid for the work shall include full compensation for all taxes which the Contractor is required to pay, whether imposed by Federal, State, or local governments.

B-50 Permits and Licenses

Except as otherwise provided in this Contract, the Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the lawful prosecution of the work.

B-51 Patents

The Contractor shall pay all applicable royalties and license fees and assume all costs arising from the use of patented materials, equipment and devices. The Contractor shall defend all suits or claims for infringement of any patent rights and save the SRA and Engineer and their duly authorized representatives harmless from loss on account thereof, except that the SRA shall be responsible for any such loss when a particular process, design, or the product of a particular manufacturer or manufacturers is specified; however if the Contractor has reason to believe that the design, process or product specified is an infringement of a patent, he shall be responsible for such loss unless he promptly gives such information to the Engineer.

B-52 Public Convenience

- (a) This section defines the Contractor's responsibility with regard to convenience of the public and public traffic in connection with its operations.

- (b) The Contractor shall so conduct its operations as to offer the least possible obstruction and inconvenience to the public and it shall have under construction no greater length or amount of work than it can prosecute properly with due regard to the rights of the public.
- (c) Unless otherwise provided in the Contract Documents, all public traffic shall be permitted to pass through the work with as little inconvenience and delay as possible.
- (d) Spillage resulting from hauling operations along or across any publicly traveled way shall be removed immediately by the Contractor at its expense.
- (e) Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners.
- (f) Convenient access to driveways, houses and buildings along the line of the work shall be maintained and temporary approaches to crossings or intersecting highways shall be provided and kept in good condition. When the abutting property owner's access across the right-of-way line is to be eliminated, or to be replaced under the Contract by other access facilities, the existing access shall not be closed until the replacement access facilities are usable.
- (g) Water shall be supplied if ordered by the Engineer for the alleviation or prevention of dust nuisance as provided in the Contract Documents.
- (h) In order to expedite the passage of public traffic through or around the work and where ordered by the Engineer, the Contractor shall install signs, lights, flares, barricades, and other facilities for the sole convenience and direction of public traffic. Also, where directed by the Engineer, the Contractor shall provide and station competent flagpersons whose sole duties shall consist of directing the movement of public traffic through or around the work. The cost of furnishing and installing such signs, lights, flares, barricades, and other facilities, and the cost of providing and stationing such flagpersons, all for the convenience and direction of public traffic, will be considered as included in the Contract price and no additional compensation will be allowed.
- (i) Flagpersons and guards, while assigned to traffic control, shall perform their duties and shall be provided with the necessary equipment in accordance with the current "Instructions to Flagmen" of the California Department of Transportation. The equipment shall be furnished and kept clean and in good repair by the Contractor at its expense.

B-53 Safety

- (a) General - The Contractor shall be solely and completely responsible for the conditions of
 - (bb) the job site, including safety of all persons and property during performance of the work. This requirement
 - (cc) shall apply continuously and not be limited to normal working hours. Safety provisions shall conform to all
 - (dd) applicable Federal, State, and local laws, ordinances, and codes, and to the rules and regulations established
 - (ee) by the California Division of Industrial Safety, and to other rules of law applicable to the work.
- (b) The services of the Engineer in conducting construction review of the Contractor's performance is not intended to include review of the adequacy of the Contractor's work methods, equipment, bracing or scaffolding or safety measures, in, on, or near the construction site, and shall not be construed as supervision of the actual construction nor make the Engineer or the SRA responsible for providing a safe place for the performance of work by the Contractor, subcontractors, or suppliers; or for access, visits, use work, travel or occupancy by any person.
- (c) The Contractor shall carefully instruct all personnel working in potentially hazardous work areas as to the potential dangers and shall provide such necessary safety equipment and instruction as is necessary to prevent injury and damage to property. The Contractor shall appoint for the duration of this Contract, a qualified supervisor employee to develop and/or supervise the Contractor's job safety program that will

effectively implement the safety provisions of the above agencies.

The Contractor, as a part of his safety program, shall maintain at its office or other well-known place at the job site, safety equipment applicable to the Work as prescribed by the aforementioned authorities, all articles necessary for giving first aid to the injured, and shall establish the procedure for the immediate removal to a hospital or a doctor's care of persons (including employees) who may be injured on the job site.

If death or serious injuries or serious damages are caused, the accident shall be reported immediately by telephone or messenger to both the Engineer and the SRA and to all authorities the Contractor is required to report to. In addition, the Contractor must promptly report in writing to the Engineer all accidents whatsoever arising out of, or in connection with, the performance of the Work whether on, or adjacent to, the site, giving full details and statements of witnesses.

If any claim is made by anyone against the Contractor or any subcontractor on account of any accident, the Contractor shall promptly report the facts in writing to the Engineer, giving full details of the claim.

- (c) All work and materials shall be in strict accordance with all applicable State, Federal and local laws, rules, regulations, and codes.
- (d) Nothing in this Contract is to be construed to permit work not conforming to governing law. When Contract Documents differ from governing law, the Contractor shall furnish and install the higher standards called for without extra charge. All equipment furnished shall be grounded and provided with guards and protection as required by safety codes. Where vapor-tight or explosion-proof electrical installation is required by law, this shall be provided.
- (e) Shoring and Trench Safety Plan - Attention is directed to Section 832 of the Civil Code of the State of California relating to lateral and subjacent support, and the Contractor shall comply with this law. This is a requirement of the Contractor and by submitting to the SRA or their representative, does not relieve the contractor of their responsibility for all aspects of site safety.
- (f) Trenching and Worker Protection - In accordance with Section 6705 of the State Labor Code, the Contractor shall submit to the SRA specific plans to show details of provisions for worker protection from caving ground. Not less than thirty (30) days before beginning excavation for any trench or trenches five (5) feet or more in depth required under this Contract, the Contractor shall furnish to the Engineer working drawings of its trench safety plan. The trench safety plan working drawings shall be detailed plans showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground. If such plan varies from the shoring system standards established by the Construction Safety Orders of the California Department of Industrial Relations or the Federal Safety and Health Regulations for Construction of the Occupational Safety and Health Administration, Department of Labor, the plan shall be prepared by a registered civil or structural engineer. In no event shall the Contractor use a shoring, sloping, or protective system less effective than that required by said Construction Safety Orders, or less effective than that required by said Federal Safety and Health Regulations for Construction. The SRA and their representatives shall receive the Contractor's Plan, but shall not review the plan for adequacy or compliance with state and federal requirements. It is the Contractor's responsibility to fully comply with state and federal safety requirements at all times during the job. Submission of this plan in no way relieves the Contractor from the requirement to maintain safety in all operations performed by it or its Subcontractors.
- (g) Hazardous Wastes and Unforeseen Conditions - In accordance with Section 7104 of the State Public Contract Code, if the work contemplated hereunder involves digging trenches or other excavations that extend deeper than four feet below the surface, the Contractor shall promptly, and before the following conditions are disturbed, notify the SRA, in writing, of any: (i) material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law; (ii) Subsurface or latent physical conditions at the site differing from those indicated; or (iii) unknown physical conditions at the site of any unusual nature, different materially from those ordinarily

encountered and generally recognized as inherent in work of the character provided for in the Contract. The SRA shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of the Work shall issue a change order under the procedures described herein. In the event that a dispute arises between the SRA and the Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the Work, the Contractor shall not be excused from any scheduled completion date provided for herein, but shall proceed with all Work to be performed hereunder. The Contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the SRA and Contractor.

- (h) The Contractor shall perform all Work in a fire-safe manner. He shall supply and maintain onsite adequate firefighting equipment capable of extinguishing incipient fires. The Contractor shall comply with applicable federal, state, and local fire prevention regulations and where the regulations do not cover, with applicable parts of the National Fire Prevention Standard for "Safeguarding Building Construction Operations," (NFPA No. 241).

B-54 Protection of Person and Property

- (a) The Contractor shall take whatever precautions are necessary to prevent damage to all existing improvements, including above ground and underground utilities, trees, shrubbery that is not specifically shown to be removed, fences, signs, mailboxes, survey markers and monuments, buildings, structures, the SRA's property, adjacent property, and any other improvements or facilities within or adjacent to the work. If such improvements or property are injured or damaged by reason of the Contractor's operations, they shall be replaced or restored, at the Contractor's expense, to a condition at least as good as the condition they were in prior to the start of the Contractor's operations.
- (b) The Contractor shall adopt all practical means to minimize interference to traffic and public inconvenience, discomfort or damage. The Contractor shall protect against injury any pipes, conduits or other structures, crossing the trenching or encountered in the work and shall be responsible for any injury done to such pipes or structures, or damage to property resulting therefrom. The Contractor shall support or replace any such structures without delay and without any additional compensation to the entire satisfaction of the Engineer. All obstructions to traffic shall be guarded by barriers illuminated at night. The Contractor shall be responsible for all damage to persons and property directly or indirectly caused by its operations and, under all circumstances, the Contractor must comply with the laws and regulations of the County and the State of California relative to safety of persons and property and the interruption of traffic and the convenience of the public within the respective jurisdictions.
- (c) The Contractor is cautioned that it must replace all improvements in rights-of-way and within the public streets to a condition equal to what existed prior to the Contractor's entry onto the job.
- (d) Type and time of construction required at any road subject to interference by Contract work will be determined by those authorities responsible for maintenance of said road. It shall be the responsibility of the Contractor to determine the nature and extent of all such requirements, including provision of temporary detours as required; however, the construction right-of-way obtained by the SRA at affected roadways will be adequate for provision of all required detours. As required at any road crossing, the Contractor shall provide all necessary flagpersons, guardrails, barricades, signals, warning signs and lighting to provide for the safety of existing roads and detours. Immediately after the need for temporary detours ceases, or when directed, the Contractor shall remove such detours and perform all necessary cleanup work, including replacement of fences, and removal of pavement. Included shall be all necessary replacement of existing roadway appurtenances, grading work, soil stabilization and dust control measures, as required and directed. The cost of all work specified under this Section shall be borne by the Contractor.
- (e) The Contractor shall examine all bridges, culverts, and other structures over which it will move its materials and equipment, and before using them, it shall properly strengthen such structures where necessary. The Contractor shall be responsible for any and all injury or damage to such structures caused by reason of its operations.

B-55 Responsibility for Repair of Facilities

All public or private facilities, including but not limited structures, telephone cables, roadways, parking lots, private drives, levees and embankments disturbed during construction of the work shall be repaired and/or replaced by the Contractor to match facilities existing prior to construction. In addition, the Contractor shall be responsible for any settlement damage to such facilities or adjoining areas for a period of one year after acceptance of such required facilities.

The Contractor's attention is directed to the many water services and sewer laterals crossing the road. It is the Contractor's responsibility to protect these laterals and repair damage. SRA crews are not available to repair water services disturbed by construction.

B-56 Resolution of Construction Claims

- (a) For any claim arising under this contract, the following procedures will apply:
 - (1) The claim must be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the day of final payment. Nothing in this subsection is intended to extend the time limit or supersede notice requirements for the filing of claims as set forth elsewhere in this contract.
- (b) The Contractor shall proceed with the work in accordance with the plans and specifications and determinations and instructions of the SRA Engineer during the resolution of any claims disputes.

B-57 SRA's Repair

In the event the Contractor refuses or neglects to make good any loss or damage for which the Contractor is responsible under this Contract, the SRA may itself, or by the employment of others, make good any such loss or damage, and the cost and expense of doing so, including any reasonable engineering, legal and other consultant fees, and any costs of administrative and managerial services, shall be charged to the Contractor. Such costs and expenses may be deducted by the SRA from claims for payment made by the Contractor for work completed or remaining to be completed.

B-58 Antitrust Claim Assignment

In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to this contract, the Contractor and all subcontractors shall offer and agree to assign to the SRA all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services or materials pursuant to the public works contract or subcontract. This assignment shall be made and become effective at the time the SRA tenders final payment to the Contractor, without further acknowledgement by the parties.

B-59 Waiver of Right to Rescind For Material Breach

The Contractor agrees that it can be adequately compensated by money damages for any breach of this Contract which may be committed by the SRA and hereby agrees that no default, act, or omission of the SRA or the Engineer, except for failure to make progress payments as a required by Section B-68, shall constitute a material breach of the Contract entitling the Contractor to cancel or rescind the

provisions of this Contract or (unless the SRA shall so consent or direct in writing) to suspend or abandon performance of all or any part of the work. The Contractor hereby waives any and all rights and remedies to which it might otherwise be or become entitled, save only its right to money damages.

B-60 Contractor's License Notice

CONTRACTORS ARE REQUIRED BY LAW TO BE LICENSED AND REGULATED BY THE CONTRACTORS' STATE LICENSE BOARD WHICH HAS JURISDICTION TO INVESTIGATE COMPLAINTS AGAINST CONTRACTORS OF A COMPLAINT IF FILED WITHIN THREE (3) YEARS OF THE DATE OF THE ALLEGED VIOLATION. ANY QUESTIONS CONCERNING A CONTRACTOR MAY BE REFERRED TO THE REGISTRAR, CONTRACTORS' STATE LICENSE BOARD, 9835 GOETHE ROAD, SACRAMENTO, CALIFORNIA. MAILING ADDRESS: P.O. BOX 26000, SACRAMENTO, CALIFORNIA 95826.

ARTICLE V. INSURANCE AND LIABILITY

B-61 Insurance

- (a) Neither the Contractor nor any Subcontractors shall commence any work until all required insurance has been obtained at their own expense. Such insurance must have the approval of the SRA as to limit, form, and amount, and shall be placed with insurers with a current A.M. Best's rating of no less than A:VII.
- (b) Any insurance bearing on adequacy of performance shall be maintained after completion of the project for the full guarantee period.
- (c) Prior to execution of the Contract, the Contractor shall furnish the SRA with original endorsements effecting coverage for all policies required by the Contract. The Contractor shall not permit any Subcontractor identified in the Designation of Subcontractors form to commence work on this project until such Subcontractor has furnished the SRA with original endorsements effecting coverage for all insurance policies required by the Contract. The endorsements shall be signed by a person authorized by the insurer to bind coverage on its behalf. The endorsements are to be on forms provided by the SRA. As an alternative to the SRA's forms, the Contractor's insurer may, subject to the approval of the SRA, provide complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by this paragraph. The Contractor agrees to furnish one copy of each policy to the SRA, and additional copies as requested in writing, certified by an authorized representative of the insurer.
- (d) All of the Contractor's policies shall contain an endorsement providing that written notice shall be given, return receipt requested to SRA and State Coastal Conservancy at least sixty (30) calendar days prior to termination, cancellation, or reduction of coverage in the policy.
- (e) Any policy or policies of insurance that the Contractor elects to carry as insurance against loss or damage to its construction equipment and tools shall include a provision therein providing a waiver of the insurer's right to subrogation against the SRA and the Engineer.
- (f) The requirements as to the types, limits, and the SRA's approval of insurance coverage to be maintained by the Contractor are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by the Contractor under the Contract.
- (g) In addition to any other remedy the SRA may have, if the Contractor or any of the subcontractors fails to maintain the insurance coverage as required in this Section, the SRA may obtain such insurance coverage as is not being maintained, in form and amount substantially the same as required herein, and the SRA may deduct the cost of such insurance from any amounts due or which may become due the Contractor under this Contract.
- (h) The Contractor and all subcontractors shall, at their expense, maintain in effect at all times during the

performance or work under the Contract not less than the following coverage and limits of insurance, which shall be maintained with insurers and under forms of policy satisfactory to the SRA. The maintenance by the Contractor and all subcontractors of the following coverage and limits of insurance is a material element of this Contract. The failure of the Contractor or any subcontractor to maintain or renew coverage or to provide evidence of renewal may be treated by the SRA as a material breach of this contract.

- (1) Worker's Compensation and Employer's Liability Insurance.
 - (i) Worker's Compensation - Insurance to protect the Contractor or subcontractor from all claims under Worker's Compensation and Employer's Liability Acts, including Longshoremen's and Harbor Worker's Act. Such coverage shall be maintained, in type and amount, in strict compliance with all applicable State and Federal statutes and regulations. The Contractor shall execute a certificate in compliance with Labor Code Section 1861.
 - (2) Claims Against SRA - If an injury occurs to any employee of the Contractor or any of the subcontractors for which the employee or its dependents, in the event of its death, may be entitled to compensation from the SRA under the provisions of the said Acts, or for which compensation is claimed from the SRA, there will be retained out of the sums due the Contractor under this Contract, an amount sufficient to cover such compensation as fixed by said Acts, until such compensation is paid or it is determined that no compensation is due. If the SRA is required to pay such compensation, the amount so paid will be deducted and retained from such sums due, or to become due the Contractor.
 - (3) Comprehensive General and Automobile Liability Insurance - The insurance shall include, but shall not be limited to, protection against claims arising from death, bodily or personal injury, or damage to property resulting from actions, failures to act, operations or equipment of the insured, or by its employees, agents, consultants, or by anyone directly or indirectly employed by the insured. Insurance shall be written with a limit of liability not less than \$2,000,000 for all damages arising out of bodily injury, including death, at any time resulting therefrom, sustained by any one person in any one accident; and a limit of liability of not less than \$2,000,000 aggregate for any damages sustained by two or more persons in any one accident. Insurance shall be written with a limit of liability of not less than \$500,000 for all property damage sustained by one person in any one accident; and a limit of liability not less than \$500,000 aggregate for any such property damage sustained by two or more persons in any one accident. Any deductibles must be declared to and approved by the SRA. At the option of the SRA, either: the insurer shall reduce or eliminate such deductibles as respects the entity, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

The comprehensive general and automobile liability insurance coverage shall also include the following:

- (i) Provision or endorsement naming the SRA, State, its officers, agents, and employees, volunteers, MLA, the landowners labeled on the Site Plan sheets from the Drawings, and their consultants, and each of their officers, employees, and agents, each as additional insured in regards to liability arising out of the performance of any work under the Contract including activities related to automobiles leased, hired, borrowed or owned and for work or operations including materials, parts or equipment, and providing that such insurance is primary insurance as respects the interest of the SRA and Engineer and that any other insurance maintained by the SRA and Engineer is excess and not contributing insurance with the insurance required hereunder.
- (ii) "Cross Liability" or "Severability of Interest" clause.
- (iii) Broad Form Property Damage, Personal Injury, Contractual Liability, Protective Liability Completed Operations coverages and elimination of any exclusion regarding loss or damage to property caused by explosion or resulting from collapse of buildings or structures or damage to property underground, commonly referred to by insurers as the "XCU" hazards.
- (iv) Provision or endorsement stating that such insurance, subject to all of its other terms and conditions, applies to the liability assumed by the Contractor under the Contract, including, without limitation, that set

forth in Section B-61, Indemnity and Litigation Costs.

- (v) Provision or endorsement stating that any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the SRA, its officers, officials, employees, or volunteers.
- (vi) The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- (4) Builder's Risk or Installation Floater "All-Risk" Insurance

Not required for this contract.

B-62 Indemnity and Litigation Cost

- (a) Promptly upon execution of the Contract, the Contractor specifically obligates itself and hereby agrees to protect, hold free and harmless, defend and indemnify the SRA, MLA, volunteers, State, its officers, agents, employees, and consultants, and each of their officers, officials, employees and agents, from and against any and all liability, penalties, costs, losses, damages, expenses, causes of action, claims or judgments, including without limitation attorneys' fees and other costs of litigation, which arise out of or are in any way connected with the Contractor's, or its subcontractors' or suppliers', performance of work under this Contract or failure to comply with any of the obligations contained in the Contract. This indemnity shall include the duty to defend indemnitees as set forth in civil code section 2778 and/or under other legal basis. This indemnification shall imply no reciprocal right of the Contractor in any action on the contract pursuant to California Civil Code section 1717 or section 1717.5. To the extent legally permissible, this indemnity and hold harmless agreement by the Contractor shall apply to any acts or omissions, whether active or passive, on the part of the Contractor or its agents, employees, representatives, or Subcontractor's agents, employees and representatives, resulting in liability, irrespective of whether or not any acts or omissions of the parties to be indemnified hereunder may also have been a contributing factor to the liability, except such loss or damage which was caused by the active negligence, sole negligence or willful misconduct of the SRA.
- (b) In any and all claims against the SRA or the Engineer and its consultants, and each of their officers, employees and agents by any employee of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation under this Section shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any Subcontractor under Worker's Compensation statutes, disability benefit statutes or other employee benefit statutes.

B-63 Protection of Work

- (a) The Contractor shall be responsible for the care of all work until completion and final acceptance; and the Contractor shall, at its own expense replace damaged or lost material and repair damaged parts of the work or the same may be done at the Contractor's expense by the SRA and the Contractor and its sureties shall be liable therefore. The Contractor shall make its own provisions for properly storing and protecting all material and equipment against theft, injury, or damage from any and all causes. Damaged material and equipment shall not be used in the work. The Contractor shall take all risks from floods and casualties except as provided by law, and shall make no charge for the restoration of such portions of the work as may be destroyed or damaged by flood or other casualties or because of danger from flood or other casualties or for delays from such causes. The Contractor may, however, be allowed a reasonable extension of time on account of such delays, subject to the conditions hereinbefore specified. The Contractor shall not be responsible for the cost, in excess of five percent (5%) of the contracted amount, of repairing or restoring damage to the work, if the damage was proximately caused by an earthquake in excess of a magnitude of 3.5 on the Richter Scale or by tidal waves; provided that the work damaged was built in accordance with accepted and applicable building standards, and the plans and specifications of the SRA.

- (b) The Contractor shall effectively secure and protect adjacent property and structures, livestock, crops, and other vegetation. If applicable, the Contractor shall open fences on or crossing the right-of-way and install temporary gates of sound construction thereon so as to prevent the escape of livestock. Adjacent fence posts shall be adequately braced to prevent the sagging or slackening of the wire. Before such fences are opened, the Contractor shall notify the owner or tenant of the property and, where practicable, the opening of the fence shall be in accordance with the wishes of said owner or tenant. The Contractor shall be responsible that no loss or inconvenience shall accrue to the owner or tenant by virtue of its fences having been opened or the gate not having been either shut or attended at all times. Where special types of fences are encountered, the Contractor shall install temporary gates made of similar materials and of suitable quality to serve the purposes of the original fences. In all cases where the Contractor removes fences to obtain work room, it shall provide and install temporary fencing as required, and on completion of construction shall restore the original fence to the satisfaction of the Engineer. All costs of providing, maintaining and restoring gates and fencing shall be borne by the Contractor. It shall provide and maintain all passageways, guard fences, lights and other facilities for protection required by public authority or local conditions.
- (c) The Contractor shall use extreme care during construction to prevent damage from dust to crops, livestock, milk production and adjacent property. The Contractor, at its own expense, shall provide adequate dust control for the right-of-way and take other preventive measures as directed by the Engineer.
- (d) The Contractor shall be responsible for all damage to any property resulting from trespass by the Contractor or its employees in the course of their employment, whether such trespass was committed with or without the consent or knowledge of the Contractor.
- (e) The Contractor shall see that the work site is kept drained and free of all ground water and any other water which may impede the progress or execution of the Contract work.
- (f) The Contractor shall be responsible for any damage caused by drainage or water runoff from construction areas and from construction plant areas. In an emergency affecting the safety of life, or of the work, or of adjoining property, the Contractor, without special instruction or authorization from the Engineer, is hereby permitted to act at the Contractor's discretion to prevent such threatened loss or injury, and it shall so act without appeal if so instructed or authorized. Any compensation claimed by the Contractor on account of emergency work shall be determined as specified under Section B-3. Should the Engineer deem an emergency condition to exist, the Contractor shall immediately do those things and take those steps ordered by the Engineer. The decision of the Engineer in this respect shall be final and conclusive. Any claims for compensation made by the Contractor on account of emergency work shall be determined as specified under Section B-3.
- (g) Except as provided by Government Code Section 4215, the Contractor shall be responsible for the removal, relocation and protection of all public and private utilities, including irrigation facilities in the nature of utilities, located on the site of the construction project if and to the extent that the same are identified in the Contract Documents, and the Contractor shall not be entitled to any extension of time or claim for damages for extra compensation in connection therewith. If and to the extent that such utilities or facilities are not identified in the Contract Documents, as between the Contractor and the SRA, the SRA will be responsible for the cost of their removal, relocation or protection, as the case may be, but the Contractor shall perform any such work in conformance with applicable provisions of Sections B-3 and B-4, if so directed by the Engineer and in such situation the Contractor shall not be responsible for delay in completion of the project caused by the failure of the SRA or the owner of the utility to provide for such removal or relocation. If the Contractor, while performing the Contract, discovers utility or irrigation facilities not identified by the SRA in the Contract Documents, it shall immediately notify the Engineer in writing.
- (h) Subject to the provisions of this Section, where the work to be performed under the Contract crosses or otherwise interferes with existing streams, watercourses, canals, farm ditches, pipelines, drainage channels, or water supplies, the Contractor shall provide for such watercourse or pipelines and shall perform such construction during the progress of the work so that no damage will result to either public or private interests, and the Contractor shall be liable for all damage that may result from failure to so provide during the progress of the work.

B-64 No Personal Liability

Neither the SRA, MLA nor any of their other officers, agents, or employees nor any other public office shall be personally responsible for any liability arising under the Contract, except such obligations as are specifically set forth herein.

ARTICLE VI. MEASUREMENT AND PAYMENT**B-65 Measurement of Quantities**

Where the Contract provides for payment on a lump sum price basis, the Contractor shall submit a price breakdown to the Engineer immediately after award of the Contract. The price breakdown as agreed upon between the Contractor and the Engineer shall be used for preparing future estimates for partial payments to the Contractor and shall list the major items of Work and a price for each item. Overhead and other general costs and profit shall be prorated to each item so that the total of all items equals the lump sum price. The price breakdown shall be subject to the approval of the Engineer and Contractor may be required to verify the prices for any or all items. Where the Contract provides for payment on a unit price basis, the quantities of work performed will be computed by the Engineer on the basis of measurements taken by the Engineer.

Whenever the estimated quantities of work to be done and materials to be furnished under this contract are shown in any of the documents including the Proposal, they are given for use in comparing bids and the right is especially reserved, except as herein or otherwise specifically limited, to increase or diminish them as may be deemed reasonably necessary or desirable by the SRA to complete the work contemplated by this contract and such increase or diminution shall in no way violate this Contract, nor shall any such increase or diminution give cause for claims, liability for damage or adjustment to the Contract time bid price.

B-66 Scope of Payment

- (a) The Contractor shall accept the compensation provided in the Contract as full payment for furnishing all labor, materials, tools, equipment, and incidentals necessary to the completed work and for performing all work contemplated and embraced under the Contract; also for loss or damage arising from the nature of the work, or from the action of the elements, or from any unforeseen difficulties which may be encountered during the prosecution of the work until the acceptance by the SRA and for all risks of every description connected with the prosecution of the work, also for all expenses incurred in consequence of the suspension or discontinuance of the work as provided in the Contract; and for completing the work according to the specifications and plans. Neither the payment of any estimate nor of any retained percentage shall relieve the Contractor of any obligation to make good any defective work or material.
- (b) No compensation will be made in any case for loss of anticipated profits. Increased or decreased work involving supplemental agreements will be paid for as provided in such agreements.

B-67 Progress Estimate

At least ten (10) days before each progress payment falls due (but not more often than once a month), the Contractor will submit to the Engineer a partial payment estimate filled out and signed by the Contractor covering the work performed during the period covered by the partial pay estimate and supported by such data as the Engineer may reasonably require. If payment is requested on the basis of materials and equipment not incorporated in the work but delivered and suitably stored at or near the site, the partial payment estimate shall also be accompanied by such supporting data, satisfactory to the SRA,

as will establish the SRA'S title to the material, and equipment and protect its interest therein, including, applicable insurance. The Engineer will within seven (7) days after receipt of each partial payment estimate either recommend payment to the SRA or return the estimate to the Contractor indicating in writing its reasons for refusing to approve payment. In the latter case, the Contractor may make the necessary corrections and resubmit the partial pay estimate.

Payroll certification forms provided by the Contractor and fully executed shall be filed with the Engineer at the time of submission of each partial payment estimate and also when the claim for final payment is submitted. Wage Report forms shall be completed and submitted as set forth in Parts 4 and 5.

B-68 Progress Payments

- (a) The Contractor is made aware that this contract is funded in whole or in part through an agreement with the California Department of Fish and Wildlife Fisheries Restoration Grant Program and the US Fish and Wildlife Service National Fish Passage Program. These project funders pay in arrears for work completed.
- (b) The SRA and funders will review all partial payments upon receipt of an undisputed, properly submitted progress estimate from the Contractor, recommended by the Engineer.
- (c) Any payment request determined not to be a proper payment request suitable for payment shall be returned to the Contractor as soon as practicable but not later than thirty (30) days after receipt. A request returned pursuant to this paragraph shall be accompanied by a document setting forth in writing the reasons why the payment request is not proper.
- (d) The SRA will pay the Contractor ninety-five percent (95%) of the amount of each progress estimate within thirty (30) days of receiving payment from the project funder. Contractor should allow for sixty (60) to ninety (90) days after the date of approval of the progress estimate by the funder, before receiving payment (depending on date submitted).
- (e) When, in the judgment of the Engineer, the work is not proceeding in accordance with the provisions of the Contract, or when in its judgment the total amount of the work done since the last estimate amounts to less than \$1,000, no pay estimate will be prepared and no progress payment will be made.
- (f) No progress estimate or payment shall be considered to be an approval or acceptance of any work, materials, or equipment. Estimated amounts and values of work done and materials and equipment furnished will be conformed with actual amounts and values as they become available in subsequent progress estimates, progress payments and the final estimate and payment. All estimates and payments will be subject to correction in subsequent progress estimates and payments and the final estimate and payment.
- (g) The SRA requires that any payments due to subcontractors for a portion of the work satisfactory completed shall be made by Contractor to subcontractors within fifteen (15) days of SRA's payment to Contractor. Failure to make such payments in a timely fashion may result in the SRA issuing future progress payments by joint check to the Contractor and subcontractors.
- (h) It is mutually agreed between the parties to the Contract that no payments made under the Contract, including progress payments and the final payment, shall be evidence of the performance of the Contract, either wholly or in part, and no payment shall be construed to be an acceptance of any defective or incomplete work or improper materials.

B-69 Retention Proceeds; Withholdings; Disbursements

Notwithstanding other requirements of these General Conditions, Section 7107 of the Contract Code shall govern as to retention proceeds; withholding and ultimate disbursement of funds.

B-70 Liens and Stop Notices

The Contractor agrees to keep the work, the site of the Work and all monies held by the SRA free and clear of all liens and stop notices related to labor and materials furnished in connection with the Work, if permitted by law. Furthermore, the Contractor waives any right it may have to file any type of lien or stop notice in connection with the Work. Notwithstanding anything to the contrary contained in the Contract documents, if any such lien or stop notice is filed or there is evidence to believe that lien or stop notice may be filed at any time during the progress of the Work or within the duration of this Contract, the SRA may refuse to make any payment otherwise due the Contractor or may withhold any payment due the Contractor a sum sufficient in the opinion of the SRA to pay all obligations and expenses necessary to satisfy such lien or stop notice. The SRA may withhold such payment unless or until the Contractor, within ten days after demand therefore by the SRA, shall furnish satisfactory evidence that the indebtedness and any lien or stop notice in respect thereof has been satisfied, discharged and released of record, or that the Contractor has legally caused such lien or stop notice to be released of record pending the resolution of any dispute between the Contractor and any person or persons filing such lien or stop notice. If the Contractor shall fail to furnish such satisfactory evidence within ten days of the demand therefore, the SRA may discharge such indebtedness and deduct the amount thereof, together with any and all losses, costs, damages and attorney's fees suffered or incurred by the SRA from any sum payable to the Contractor under the Contract documents, including but not limited to final payment and retained percentage. This Section shall be specifically included in all Subcontracts and purchase orders entered into by the Contractor.

B-71 Final Acceptance and Date of Completion

Whenever the Contractor shall deem all work under this Contract to have been completed in accordance therewith, it shall so notify the Engineer in writing, and the Engineer shall promptly ascertain whether the work has been satisfactorily completed and, if not, shall advise the Contractor in detail and in writing of any additional work required. When all the provisions of the Contract have been fully complied with to the satisfaction of the Engineer, it shall proceed with all reasonable diligence to determine accurately the total value of all work performed by the Contractor at the prices set forth in the Contract or fixed by Change Orders, and the total value of all extra work, all in accordance with the Contract. The Engineer will then certify to said final estimate and to the completion of the work, and will file copies thereof with the SRA and the Contractor. The date of completion shall be the date upon which the SRA makes its formal written acceptance of the work.

B-72 Final Payment

Within ten (10) days after the date of completion, the SRA will file in the Office of the County Recorder, a Notice of Completion of the work herein agreed to be done by the Contractor. On the expiration of thirty-five (35) days after the recordation of such Notice of Completion the difference between said final estimate and all payments theretofore made to the Contractor shall be due and payable to the Contractor within 120 days upon receipt of funding by SRA from funding agencies and subject to any requirements concerning the furnishings of a maintenance bond, and excepting only such sum or sums as may be withheld or deducted in accordance with the provisions of this Contract. All prior certifications, upon which partial payments may have been made, being merely estimates, shall be subject to correction in the final certificate.

B-73 Final Release

Final payment to the Contractor in accordance with the final estimate is contingent upon the Contractor furnishing the SRA with a signed written release of all claims against the SRA arising by virtue of the Contract. Disputed Contract claims in stated amounts may be specifically excluded by the Contractor from the operation of the release. The release shall be in substantially the following form:

WAIVER AND RELEASE UPON FINAL PAYMENT

The undersigned has been paid in full by the SRA for all labor, services, equipment and material furnished to the SRA on the _____ Improvements located at _____, California, and does hereby waive and release the SRA, its officers, agents, and employees, from all claims and liability to the Contractor arising out of, or in any way connected with, the Contract, except for the disputed contract claims specified below:

<u>Notice of disputed claim</u>	<u>Amount of Claim</u>
	\$ _____

Dated: _____ (Name of Contractor)

By: _____ (Title)

Any payment, however, final or otherwise shall not release the Contractor or its sureties from obligations under the Contract Documents or Performance and Payment Bonds.

B-74 Right to Withhold Payments

- (a) In addition to all other rights and remedies of the SRA hereunder and by virtue of the law, the SRA may withhold or nullify the whole or any part of any partial or final payment to such extent as may reasonably be necessary to protect the SRA from loss on account of:
 - (1) Defective work not remedied, irrespective of when any such work be found to be defective;
 - (2) Claims or liens filed or reasonable evidence indicating probable filing of claims or liens including, but not limited to claims under Sections 1775, 1776, or 1777.7 of the Labor Code;

- (3) Failure of the Contractor to make payments properly for labor, materials, equipment, or other facilities, or to subcontractors and/or suppliers;
 - (4) A reasonable doubt that the work can be completed for the balance then unearned;
 - (5) A reasonable doubt that the Contractor will complete the work within the agreed time limits;
 - (6) Costs to the SRA resulting from failure of the Contractor to complete the work within the proper time; or
 - (7) Damage to work or property.
 - (8) Damage to another Contractor.
 - (9) Performance of work in violation of the Terms of the Contract Documents.
 - (10) Where work on unit items is substantially complete, but lacks cleanup and/or other corrections ordered by the Engineer, amounts shall be deducted from the unit prices in partial payment estimates to amply cover such cleanup and correction.
 - (11) Failure to file required Equal Opportunity and Affirmative Action forms.
- (b) Whenever the SRA shall, in accordance herewith, withhold any monies otherwise due the Contractor, written notice of the amount withheld and the reasons therefore will be given the Contractor. After the Contractor has corrected the enumerated deficiencies, the SRA will promptly pay to the Contractor the amount so withheld. When monies are withheld to protect the SRA against claims or liens of mechanics, materialmen, Subcontractors, etc., the SRA may at its discretion permit the Contractor to deliver a surety bond in terms and amount satisfactory to the SRA, indemnifying the SRA against any loss or expense, and upon acceptance thereof by the SRA, the SRA shall release to the Contractor monies so withheld.

B-75 Waiver of Interest

The SRA shall have no obligation to pay and the Contractor hereby waives the right to recover interest with regard to monies which the SRA is required to withhold by reason of judgment, order, statute or judicial process.

B-76 Satisfaction of Claims and Liens

Neither the final payment nor any part of the retained percentage shall become due until the Contractor, if required, shall deliver to the SRA, a complete release of all liens and claims arising out of this Contract, or receipts in full in lieu thereof and, if required in either case, an affidavit that so far as it has knowledge or information the releases and receipts include all the labor and material for which a lien or claim could be filed; but the Contractor may, if any Subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the Engineer, to indemnify the SRA against any lien or claim. If any lien or claim remains unsatisfied after all payments are made, the Contractor shall refund to the SRA all monies that the latter may be compelled to pay in discharging such a lien, or claim, including all costs and reasonable attorney's fees.

B-77 Ownership of Documents and Other Work Products

Documents and work products produced under this agreement shall be the property of the Project Funders per the requirements of the contract between the Project Funders and the SRA.

Part 5: TECHNICAL SPECIFICATIONS

PART 5 – TECHNICAL SPECIFICATIONS

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SUMMARY OF WORK

PART 1 GENERAL

1.01 - WORK COVERED BY CONTRACT

DOCUMENTS

A. General

1. The Contract Documents describe the Work to be performed under this Contract which includes, but is not limited to, furnishing all tools, equipment, materials, supplies, and manufactured articles for the Project. It shall also include the furnishing of all transportation and services, including fuel, power, water, and essential communications necessary for the performance of all labor, work, or other operations required for the performance of the Contract in accordance with the Contract Documents.
2. The Contractor should carefully review all sections of the Specifications and contract Plans in order to completely understand the Work and all constraints including schedule, environmental, permit and material requirements.
3. Contractor is encouraged to proceed in an orderly and expeditious manner based on the constraints shown on the Drawings and described in the Specifications. All Work is to be constructed in strict accordance with the Contract Plans and Specifications and subject to the terms and conditions of the Contract.

B. The Contractor shall completely review, be familiar with and adhere to the terms of all permits and agency approvals for this project. [Appendix A](#) to these Specifications contain a summary of many, but not all, of the most significant permit conditions that need to be actively complied with by Contractor. The Contract Owner (CO, Smith River Alliance) will be providing the Contractor copies of permits, certifications, or authorizations from the following agencies including, but not limited to: California Department of Fish and Wildlife; U.S. Army Corps of Engineers; California Regional Water Quality Control Board; and Del Norte County Building Department. Copies of all permits are available from the CO and will remain at the project site throughout the duration of construction.

C. Contractor shall obtain all other necessary permits and comply with them and all other applicable Local, State, and Federal laws and regulations.

D. Location of the Work

1. The project is located within Del Norte County. A Vicinity Map is provided on the cover sheet of the drawings that illustrate the location of the two crossings.

E. Technical Data and Other Reports

1. Geotechnical Evaluation for the downstream crossing (#2) to be replaced with a bridge prepared by SHN (March 2018) contains geotechnical evaluation of site conditions and recommendations. Copies of this report are available for review upon request.
2. Summary of Final Bridge Design for Morrison Creek Tributary for the downstream crossing (#2) prepared by MLA (August 2018) contains a summary and

background on development of the designs. Copies of this report are available for review upon request.

3. Summary of Final Designs for Replacement of Rawson Creek Culvert Crossing No. 3 on a Tributary to Morrison Creek for the upstream crossing (#3) prepared by MLA (June 2021) contains a summary and background on development of the designs. Copies of this report are available for review upon request.

F. Contractor's Duties:

1. Except as specifically noted, provide and pay for:
 - a. Labor, materials, and equipment.
 - b. Tools, construction equipment, and machinery.
 - c. Water and utilities required for construction.
 - d. All other facilities and services necessary for proper execution and completion of Work.
2. Pay legally required sales, consumer, and use taxes.
3. Conform to the requirements of the project permits.
4. Secure and pay for, as necessary for proper execution and completion of the Work, all other applicable permits and licenses.
5. Give required notices.
6. Comply with codes, ordinances, rules, regulations, orders and other legal requirements of public authorities which bear on performance of the Work.
7. Promptly submit written notice to Construction Manager of observed variance of Contract Documents from legal requirements.
8. If any Subcontractor or person employed by the Contractor shall appear to the Construction Manager to be incompetent or to act in a disorderly or improper manner, he shall be discharged immediately on the requisition of the Construction manager, and such person shall not again be employed on the Work.
9. Contractor Owner Representatives (COR) (Michael Love and Associates) will provide horizontal and elevation control as well as construction staking of alignments and offsets. Contractor is responsible for maintaining temporary benchmarks.

1.02 - CONTRACT

DESCRIPTION

A. General

1. The limits of Work are shown in the contract Plans and described in these Specifications and on the contract Plans. It will be the Contractor's responsibility to coordinate their activities to resolve conflicts.
2. All risk of loss, damage or diminution to the Work shall rest with Contractor until final acceptance of the Work by the CO.
3. Contractor shall be required to coordinate tasks with SRA and the Landowner.

B. Work to be completed by Contractor includes, but is not limited to:

1. Install temporary stormwater Best Management Practices (BMPs);
2. Install temporary construction access routes, entrances, and equipment and material handling/storage areas;
3. Install Temporary Isolation Measures for water management;
4. Clearing and grubbing
5. Remove and process mature vegetation;
6. Excavate culvert crossings;
7. Stockpile material for backfill and haul excess to On-Site Spoils Re-Use areas;
8. Assemble and install Aluminum Box Culvert at upstream crossing, backfill culvert, backfill and raise road;
9. Install bridge abutments and bridge at downstream crossing, and build road approaches to bridge;
10. Install large wood bank and channel stabilization features;
11. Install all RSP as designed;
12. Site rehabilitation, mulching and restoration of all access and By-Pass Roads.
13. Spread and grade excess material at the spoils re-use areas and on gravel road surfaces

C. Work to be completed by CO (SRA) includes, but is not limited to:

1. Provide biological services including bird surveys, aquatic species surveys and fish re-location;
2. Execution of Replanting Plan

1.03 - SPECIAL CONSTRUCTION REQUIREMENTS

A. General

1. The excavation is entirely on private property. The Contractor will be required to coordinate their schedule with the Construction Manager personnel to ensure a minimum of interruptions to private property owners.
2. The Contractor will propose the construction sequencing. The phasing/sequencing of some construction elements will be constrained by construction schedules stipulated by special status species in terms of construction windows and clearance and monitoring requirements, and requirements in environmental permits.
3. Prior to start of construction, a qualified biologist under the direction of the Construction Manager must complete a check for presence of sensitive aquatic, avian and terrestrial species within construction areas. Once the site has been cleared, the Construction Manager will authorize the Contractor to begin work.
4. Required clearance surveys: if special status species are located during clearance surveys, the Contactor shall stop work immediately and notify the Construction Manager. If possible, a Biologist under direction of the Construction Manager will conduct seining or trapping to relocate the species a safe distance away from the construction activities and out of the work limit line. However, in some instances, a buffer zone may need to be established in which no work would be

conducted within some specified distance from the species' location. Further required actions could include, but are not limited to: 1) temporary delay in construction while species are relocated by qualified biologists; or 2) delay of construction until predetermined date after breeding season with no construction occurring within a buffer zone around the area where species were found. CO and their representatives are not liable for such delays.

5. All in-stream construction activities, including channel excavation, shall be completed by October 31st, unless written authorization from the regulatory agencies and SRA is received to extend the work period. Contractor shall not begin any work in the channel without prior approval of Construction Manager. In the event of rain, Contractor shall suspend all work until Construction Manager provides approval to resume work.
6. Work windows specified in the various project permit conditions may conflict within one another therefore the most restrictive windows shall be exercised.
7. The Contractor shall have all project work completed by the required regulatory dates. The CO is not liable for any expenses that this regulatory-driven change in schedule that may incur.

B. Specific Sequence and Constraints:

1. The Contractor shall note that only certain constraints are addressed in this section. All Work, whether or not addressed here, shall be governed by applicable parts of this section, and schedules and procedures further submitted for approval.
 - a. The pre-construction conference described in this Section shall be coordinated to accommodate attendance by representatives of the CO.
 - b. Contractor shall notify Del Norte County of any construction activity that may affect traffic and potentially impact emergency vehicle and fire apparatus access. Additionally, Contractor shall notify the Del Norte County Sheriff Departments of any life safety concerns.
 - c. Stockpiling of excavated soils that are potentially contaminated is not allowed. If hazardous materials are encountered, contractor to remove contaminated material from the site and dispose of it at an approved disposal site subject to the approval by the Construction Manager.
 - d. Any temporary stockpiles shall be removed from within the limits of disturbance by October 31st.

1.04 CONTRACT METHOD

- A. The Contractor shall include the requirements of the General Conditions of the Contract as a part of all of its subcontract agreements.
- B. All work as identified and described in the contract Plans and Specifications. In the case that there are discrepancies between Drawings and Specifications, Specifications take precedence over drawings.

1.05 PROJECT MEETINGS

- A. Administrative Requirements: Preconstruction Meeting, Progress Meetings, and Close Out Meetings.

USE OF SITE

PART 1 GENERAL

1.01 – INFORMATION OF ON SITE CONDITONS

- A. Information obtained by the Construction Manager regarding site conditions, subsurface information, and existing facilities, and similar data are shown on the Plans and are from the information made available by the CO. Exact location and completeness are not guaranteed.
- B. Construction activities is limited to the limits of disturbance and the Spoils Re- use Areas which will be identified onsite by the Construction Manager and CORs.

1.02 - CONTRACTOR'S RESONSIBILITIES

- A. The Work is limited to a single property ownership. The CO has agreed to the project. These agreements allow the Contractor's use of these areas in accordance to the plans and specifications. The Contractor is responsible to execute the work within these areas in accordance to the plans and specifications including hauling the excavated sediment to designated disposal areas.
- B. If additional areas beyond the limits of disturbance and sediment disposal areas are desired by the Contractor to execute the work, the Contractor shall first receive authorization from the Construction Manager. Contractor shall obtain all necessary permissions and approvals for use of these areas and shall submit a signed statement from the property owner granting permission and holding the CO harmless from any and all damages that may result from the Contractor's use of the site.
- C. The Contractor shall satisfy their self as to the nature and location of the work, the general and local conditions, particularly those bearing upon availability of transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads, work in sensitive environment and uncertainties of weather, the conformation and conditions of the ground, the character of equipment facilities needed preliminary to and during the prosecution of the work and all other matters which can in any way affect the work or the cost thereof under this contract.

1.03 - USE OF CONSTRUCTION SITE

- A. The Contractor shall:
 - 1. Conduct all operations with the least possible obstruction and inconvenience to the landowners.
 - 2. Have under construction no greater length or amount of work than can be continuously and vigorously prosecuted properly with due regards to the rights of the permits.
 - 3. Assume full responsibility for protection and safekeeping of products stored on premises.
- B. Manage construction worker parking and access to avoid impeding access for emergency vehicles and the landowner.
- C. Protect the rights of abutting property owners by:
 - 1. Prohibit access of staff and subcontractors to properties abutting the project site, except as approved in writing by the Construction Manager.

D. Access to Private Properties:

1. No road closures are expected for the Project. Contractor shall maintain access for local vehicular and pedestrian traffic to private property along the main access road to the project site.
2. Contractor shall drive a slow speed through the private property to minimize dust disturbance and ensure safety of landowners.

E. The Contractor shall be responsible for providing adequate safeguards, safety devices, and protective equipment, and for taking any other needed actions to protect the life, health, and safety of the public, and to protect property in connection with the performance of the work covered by the Contract.

F. The Contractor shall stage materials and equipment in designated staging and stockpile areas as shown on the contract Plans.

G. Staging in permitted areas shall be at the Contractor's risk. Contract Owner or their representatives shall not be held liable for any damage to or loss of materials or equipment located within these areas or at any location on the project site(s).

H. Access to worksite: Contractor and Contractor's employees and subcontractors shall use access routes as indicated on project plans.

I. After demobilization, Contractor shall repair any damage to existing roads and property to pre-existing conditions or better.

J. The Contractor shall remediate temporary haul roads at the conclusion of use through blading, ripping or otherwise removing ruts and de-compaction. The Construction Manager reserves the right to require the Contractor to repair damage where haul roads were constructed. Restore access roads and staging areas to pre-existing conditions or better.

K. Construction access routes and equipment staging areas shall be limited within the project disturbance areas to the extent feasible and as approved by the Construction Manager. Construction activities shall be prohibited from unnecessarily disturbing aquatic habitat. Disturbance such as excavation, filling or dewatering of any existing ditches, channels and other ponded water areas shall occur only after the area has been seined and cleared by the biologist.

L. Construction Camp: Establishment of a camp within the project property will not be permitted unless approved by the Construction Manager.

M. Residence trailers will not be allowed within the project site, or designated staging and stockpiling areas, except for security purposes as approved by the Construction Manager.

1.04 PROTECTION OF NATURAL FEATURES

A. Avoid impacts to vegetation outside the limits of construction disturbance. Prior to any construction, the Contractor shall demarcate the limits of construction disturbance. No access or construction permitted outside of the designated work / access zones without prior approval from the Construction Manager.

B. Confine all grading to limits shown for the project. Prevent damage to natural surroundings. Restore

damaged areas, repairing or replacing damaged trees and plants, at no additional expense to the CO.

- C. Do not remove, injure, or destroy trees or other plants without prior approval of the Construction Manager. Consult with the Construction Manager and remove agreed upon roots and branches that interfere with construction. All pruning of canopy or cutting of roots will be done under the supervision of the Construction Manager or their representative and shall be done as set forth by the National Arborist Association or the International Society of Arboriculture.
- D. Water quality of all creeks must be maintained sufficient to satisfy project Permits, that includes measures for controlling erosion and preventing fuel spills.
- E. Contractor shall take all preventative measures to protect the staging areas from contamination due to oil or fuel spills or any other contaminants. Any leaks or spills which occur on the project site shall be fully removed from the project site. If contamination occurs, the Contractor shall immediately notify the Construction Manager, and decontaminate the area to the satisfaction of the Construction Manager, prior to further improvement or further construction activities in general.
- F. All staging and laydown areas disturbed by the Contractor or construction or construction related activities shall be restored to their pre-existing state or in accordance with these Specifications.

1.05 PROTECTION OF PROPERTY AND LANDSCAPE

- A. Preserve public and private property, and protect monuments established for the purpose of perpetuating horizontal, vertical, cadastral, or boundary control.
- B. Do not excavate, remove, damage, alter or deface any archeological or paleontological remains or specimens. Control the actions of employees and subcontractors on the project to ensure that protected sites are not disturbed or damaged. Should any of these items be encountered, suspend operations at the discovery site, notify the Construction Manager and continue operations in other areas. The Construction Manager will inform the Contractor when operations may resume at the discovery site.
- C. Existing Utilities:
 - 1. Contractor shall be responsible for locating and preventing damage to known utilities or utility support structures. If damage occurs to utilities, Contractor shall repair utility at no additional expense to CO.
- D. Protect utilities from construction operations: 48 hours before beginning work in an area, the Contractor shall notify Underground Service Alert (USA), at 1- 800-227-2600, to determine locations of existing utilities. Cooperate with utility owners to expedite the relocation or adjustment of their utilities to minimize interruption of service and duplication of work.
- E. If the work requires removing or relocating a utility, the contract will assign the task to the Contractor or the utility owner. When this task is assigned to the utility owner and work is not complete before the Contractor begins work, the Contractor shall immediately notify the Construction Manager in writing.
- F. Any authorized agent of the CO or utility owners may enter the site to repair, rearrange, alter, or connect their equipment. The Contractor shall cooperate with such efforts and shall avoid creating delays or hindrances to those doing the work. As needed, the Contractor shall arrange to coordinate

work schedules.

- G. If utility services are interrupted as a result of damage by the construction, immediately notify the utility owner, the Construction Manager, and other proper authorities. Cooperate with them until service is restored.
- H. The Contractor shall protect private or public property on or in the vicinity of the work site. The Contractor shall ensure that it is not removed, damaged, destroyed, or prevented from being used unless the contract so specifies.

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 – GENERAL

- A. Unless otherwise specified in other individual sections of these specifications, quantities of work shall be determined from measurements or dimensions in horizontal planes.
- B. Units of measurement shall be in accordance with U.S. Standard Measures.
- C. See the General Conditions for special provisions related to progress payments and payment schedule to the contractor.
- D. The Base Bid Schedule is to complete all work associated construction of the Morrison Creek Tributary Crossing #2, as shown in the plans titled Morison Creek Tributary Culvert Replacement
- E. The Additive Bid Schedule is to complete all work associated construction of the Rawson Creek Crossing #3, as shown in the plans titled Rawson Creek Culvert No. 3 Replacement
- F. The measurement and payment items are listed below:
 - a. Any work shown on the plans titled Morison Creek Tributary Culvert Replacement and not specifically mentioned/described in the following bid items will be paid under the Base Bid Schedule, Bid Item No. 1.
 - b. Any work shown on the plans titled Rawson Creek Culvert No. 3 Replacement and not specifically mentioned/described in the following ` will be paid under the Additive Bid Schedule, Bid Item No. 1.
- G. It is the intent that the scope of the description of the following items encompasses the entire scope of the work as shown on the contract Plans and described in these Specifications, except where explicitly excluded. The bid amounts shall be for complete in place installations.
- H. The Contractor should carefully review all sections of plans, including the Water Management sheet and General Notes sheet to completely understand the Work, specifications, and all constraints.
- I. Full compensation for preparing and furnishing all submittals shall be considered as included in the prices paid for the Contract items of work to which such submittals relate and no additional compensation will be allowed therefor. Any cost related to the Construction Manager's review of any particular set of submittals more than twice, due to incompleteness or unacceptability, shall be borne by the Contractor, and the CO reserves the right to withhold such costs from payments due the Contractor.

1.02 – BASE BID SCHEDULE

ITEM 1. MOBILIZATION, DEMOBILIZATION & GENERAL

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for obtaining bonds and all permits other than those obtained by the Owner and developing and submitting submittals not specifically mentioned in other items and furnishing all labor, materials, tools, equipment and incidentals for doing all the work involved in mobilization, demobilization, and general items including but not limited to submittals, temporary fencing, demolition, removal of unsuitable material, disposal of excess spoils, and all other work required to complete the contract Documents not

included in other items below.

ITEM 2. CLEARING, GRUBBING AND TREE REMOVAL

Measurement for this item shall be on a LUMP SUM basis. Payment shall include furnishing all labor, materials, tools, equipment and incidentals for doing all the work involved in general items, including but not limited to construction access, tree and root protection, tree removal (except for Eucalyptus), demolition, removal of unsuitable material including concrete rubble at both sites, stockpile and chipping of organic material to be used for site stabilization, removal of existing fencing and gates and all other work required to complete the Contract Plans, as set for in these Contract Documents.

Root wads shall be removed where directed by the COR. Slash from tree removal and clearing shall be chipped for use in Site Stabilization and Rehabilitation. Branches and logs too large for chipping will be stockpiled for the Landowner.

ITEM 3. WATER MANAGEMENT, DUST CONTROL AND ENVIRONMENTAL PROTECTIONS

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to construct and manage facilities and work associated with water necessary to meet permit requirements, including control, diversion and disposal of water. Items covered by this include, but are not limited to, cooperation and coordination with project biologists, installation of fish screens, cofferdams, dewatering pumps, hoses and tanks, dewatering bags, sediment filter bags and disposal of water. This item also includes maintenance and removal of water management system. This item also includes routine dust suppression, installation and maintenance of existing construction entrances, and tire cleaning stations as needed to prevent tracking. This work covers all Contractor costs and effort associated with obtaining construction water from approved sources, applying water to prevent fugitive dust, and as needed routine street sweeping/vacuuming on roads to comply with project permits. This item covers all Contractor costs and effort associated with providing erosion/sediment control BMPs and performing all necessary inspections and adjustments to the BMPs to comply with all applicable local, regional and federal laws, protection of cultural and historic resources, and all other environmental protection measures shall be considered incidental to this item and includes all erosion control items necessary to comply with the contract Plans and permit conditions.

ITEM 4. EUCALYPTUS HARVESTING

The unit price paid under this item shall be full payment PER TREE to fall and salvage for reuse Eucalyptus trees as shown on the Contract Drawings and additional Eucalyptus trees adjacent to the project site as directed by the COR. All root wads shall be removed and preserved with a min 18-foot stem. Trees designated for removal shall be salvaged for reuse as described for Root wad Bank Protection and Channel Spanning Logs. Contractor is responsible for backfilling with salvaged soil any holes created from removal of the rootwad. Slash from tree removal and clearing shall be stockpiled for use in Log Structures. Excess pieces greater than 1.5' diameter shall be cut in the greatest lengths possible ranging from 10 – 30 feet and stacked for future use. All additional excess shall be chipped. Branches and logs too large for chipping, but smaller than 1.5' diameter, will be stockpiled for the Landowner. If additional logs are required for the Channel Spanning Logs for the project due damage during falling, procurement will be the responsibility of the Contractor.

ITEM 5. EXCAVATION

The LUMP SUM price paid under this item shall be full payment for all excavation, including excavation and preparation of subgrade for the installation of the Multilayer Stabilization mats, and

stockpile for reuse of excavated material, as set forth in the Contract Documents.

ITEM 6. ROAD/EMBANKMENT FILL PLACEMENT

The LUMP SUM price paid under this item shall be full payment to handle, place, and compact embankment backfill as shown on the Contract Drawings, including all materials, labor, and equipment costs. Embankment material will be salvaged from culvert excavations and stockpiled during construction. Material must be approved by the COR for reuse. As part of this task, excess material not used for backfill will be placed and spread in a dedicated spoils area adjacent to the project site.

ITEM 7. MULTILAYER STABILIZATION MAT

The LUMP SUM price paid under this item shall be full payment for purchase, delivery, and installation of the Multilayer Stabilization mat for the bridge footings as set forth in the Contract Drawings. This item shall include furnishing all submittals, labor, materials, tools, equipment, and incidentals for doing all the work involved in completion of this item, including purchase, and delivery of Geogrid, RSP Fabric and Aggregate.

ITEM 8. KERNAN BRIDGE

The LUMP SUM price paid under this item shall be full payment for purchase, delivery, installation and assembly of the New Bridge as set forth in the Contract Drawings. This item shall include furnishing all submittals, labor, materials, tools, equipment, and incidentals for doing all the work involved in completion of this item, including purchase, delivery and unloading of Bridge from delivery trucks, transporting bridge from delivery location to project site, installation of the bridge, securing of Bridge to footings, and installation of rails.

ITEM 9. BRIDGE RSP

The LUMP SUM price paid under this item shall be full payment to furnish, place, and compact all ¼-ton class RSP Rock under and adjacent to the new bridge as shown on the Contract Drawings, including all submittals, materials, labor, and equipment costs. RSP will be placed on non-woven RSP fabric.

ITEM 10. ROOT WAD BANK PROTECTION

The LUMP SUM price paid under this item shall be full payment to handle, and place, Root Wads for bank protection as set forth on the Contract Drawings, including all materials, labor, and equipment costs. Work for this item shall include use of Eucalyptus root wads salvaged from on site, trenching, placing, and backfill and compaction with salvaged native material for each structure.

ITEM 11. CHANNEL SPANNING LOGS

The LUMP SUM price paid under this item shall be full payment to use salvaged Eucalyptus logs, handle, and place, Channel Spanning logs for profile control as set forth on the Contract Drawings, including all materials, labor, and equipment costs. Work for this item shall include purchase of logs, if not salvaged from on site, trenching, placing, and backfill and compaction with salvaged native material for each structure.

ITEM 12. STREAMBED MATERIAL

The LUMP SUM price paid under this item shall be full payment to furnish, place, and compact all

Streambed Material as shown on the Contract Drawings including all submittals, materials, labor, and equipment costs.

ITEM 13. GRAVEL ROAD SURFACING

The LUMP SUM price paid under this item shall be full payment including all materials, labor, and equipment costs for the restoration and resurfacing of the Gravel Road as set forth in the Contract Plans.

ITEM 14. COMPACTION TESTING

The LUMP SUM price paid under this item shall be full payment including all submittals, materials, labor, and equipment costs for testing required to demonstrate compliance with the contract documents. COR shall witness all tests specified or required by the Plans and Specifications. Compaction Testing shall be performed as specified in the Contract Documents. All tests will be performed in such a manner as will not unnecessarily delay the work.

ITEM 15. SITE STABILIZATION

The LUMP SUM price paid under this item shall be full payment including all materials, labor, and equipment costs for the restoration of the project site to pre-construction conditions including restoring temporary construction access, storage areas and any other areas damaged by construction activities by grading and replacing top soil and installing permanent erosion control in unpaved areas, and site cleanup and demobilization. All areas compacted by vehicle or equipment usage will be de-compacted by mechanical means and covered with chipped vegetation salvaged during construction. All fencing and gates removed for construction access will be replaced. Erosion and Sediment control measures will be applied as set forth in the Contract Documents.

1.03 – ADDITIVE BID SCHEDULE

ITEM 1. MOBILIZATION, DEMOBILIZATION & GENERAL

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for obtaining bonds and all permits other than those obtained by the Owner and developing and submitting submittals not specifically mentioned in other items and furnishing all labor, materials, tools, equipment and incidentals for doing all the work involved in mobilization, demobilization, and general items including but not limited to submittals, temporary fencing, demolition, removal of unsuitable material, disposal of excess spoils, and all other work required to complete the contract Documents not included in other items below.

ITEM 2. CLEARING, GRUBBING AND TREE REMOVAL

Measurement for this item shall be on a LUMP SUM basis. Payment shall include furnishing all labor, materials, tools, equipment and incidentals for doing all the work involved in general items, including but not limited to construction access, tree and root protection, tree removal (except for Eucalyptus), demolition, removal of unsuitable material including concrete rubble, stockpile and chipping of organic material to be used for site stabilization, removal of existing fencing and gates and all other work required to complete the Contract Plans, as set for in these Contract Documents.

Root wads shall be removed where directed by the COR. Slash from tree removal and clearing shall be chipped for use in Site Stabilization and Rehabilitation. Branches and logs too large for chipping will be stockpiled for the Landowner.

ITEM 3. WATER MANAGEMENT, DUST CONTROL AND ENVIRONMENTAL PROTECTIONS

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to construct and manage facilities and work associated with water necessary to meet permit requirements, including control, diversion and disposal of water. Items covered by this include, but are not limited to, cooperation and coordination with project biologists, installation of fish screens, cofferdams, dewatering pumps, hoses and tanks, dewatering bags, sediment filter bags and disposal of water. This item also includes maintenance and removal of water management system. This item also includes routine dust suppression, installation and maintenance of existing construction entrances, and tire cleaning stations as needed to prevent tracking. This work covers all Contractor costs and effort associated with obtaining construction water from approved sources, applying water to prevent fugitive dust, and as needed routine street sweeping/vacuuming on roads to comply with project permits. This item covers all Contractor costs and effort associated with providing erosion/sediment control BMPs and performing all necessary inspections and adjustments to the BMPs to comply with all applicable local, regional and federal laws, protection of cultural and historic resources, and all other environmental protection measures shall be considered incidental to this item and includes all erosion control items necessary to comply with the contract Plans and permit conditions.

ITEM 4. GENERAL EXCAVATION

The LUMP SUM price paid under this item shall be full payment for all excavation and stockpile for reuse of excavated material, as set forth in the Contract Documents.

ITEM 5. ALUMINUM BOX CULVERT

The LUMP SUM price paid under this item shall be full payment for purchase, delivery, installation and assembly of the New Culvert for Rawson Crossing #3 as set forth in the Contract Drawings. This item shall include furnishing all submittals, labor, materials, tools, equipment, and incidentals for doing all the work involved in completion of this item, including purchase, delivery and unloading culvert from delivery trucks, transporting culvert from delivery location to project site, installation of the culvert, and assembly of culvert plates.

ITEM 6. STRUCTURAL BACKFILL

The LUMP SUM price paid under this item shall be full payment to furnish, place, and compact structural backfill as shown on the Contract Drawings, including all submittals, materials, labor, and equipment costs.

ITEM 7. ROAD/EMBANKMENT FILL PLACEMENT

The LUMP SUM price paid under this item shall be full payment to handle, place, and compact embankment backfill as shown on the Contract Drawings, including all materials, labor, and equipment costs. Embankment material will be salvaged from culvert excavations and stockpiled during construction. Material must be approved by the COR for reuse. As part of this task, excess material not used for backfill will be placed and spread in a dedicated spoils area adjacent to the project site.

ITEM 8. ROOT WAD BANK PROTECTION

The LUMP SUM price paid under this item shall be full payment to handle, and place, Root Wads for bank protection as set forth on the Contract Drawings, including all materials, labor, and equipment costs. Work for this item shall include use of Eucalyptus root wads salvaged from on site, trenching, placing, and backfill and compaction with salvaged native material for each structure.

ITEM 9. RSP

The LUMP SUM price paid under this item shall be full payment to furnish, place, and compact all ¼-ton class RSP Rock in the channel adjacent to the new culvert as shown on the Contract Drawings, including all submittals, materials, labor, and equipment costs. RSP will not be placed on fabric and will require placement around Root Wad Bank Protection to finish grade.

ITEM 10. STREAMBED MATERIAL

The LUMP SUM price paid under this item shall be full payment to furnish, place, and compact all Streambed Material as shown on the Contract Drawings including all submittals, materials, labor, and equipment costs.

ITEM 11. GRAVEL ROAD SURFACING

The LUMP SUM price paid under this item shall be full payment including all materials, labor, and equipment costs for the restoration and resurfacing of the Gravel Road as set forth in the Contract Plans.

ITEM 12. COMPACTION TESTING

The LUMP SUM price paid under this item shall be full payment including all submittals, materials, labor, and equipment costs for testing required to demonstrate compliance with the contract documents. COR shall witness all tests specified or required by the Plans and Specifications. Compaction Testing shall be performed as specified in the Contract Documents. All tests will be performed in such a manner as will not unnecessarily delay the work.

ITEM 13. SITE STABILIZATION

The LUMP SUM price paid under this item shall be full payment including all materials, labor, and equipment costs for the restoration of the project site to pre-construction conditions including restoring temporary construction access, storage areas and any other areas damaged by construction activities by grading and replacing top soil and installing permanent erosion control in unpaved areas, and site cleanup and demobilization. All areas compacted by vehicle or equipment usage will be de-compacted by mechanical means and covered with chipped vegetation salvaged during construction. All fencing and gates removed for construction access will be replaced. Erosion and Sediment control measures will be applied as set forth in the Contract Documents.

DIVISION 31

SECTION 31 23 23.23 COMPACTION

GENERAL

1.01 SUMMARY

- A. The Contractor shall engage a qualified compaction testing firm to perform necessary tests and inspections during the installation of structural and embankment backfill.
- B. The Contractor shall make all necessary excavations for compaction tests. Costs of excavating, backfilling, compacting, and testing in connection with compaction testing shall be borne by the Contractor.
- C. When tests indicate that the specified compaction has not been achieved, that portion of the Work shall be reworked until the required density has been attained.
- D. All material furnished and all work performed shall be subject to rigid inspection, and no material shall be delivered to the site until it has been approved by the SRA, or used in the construction work until it has been approved by the SRA.

1.02 MEASUREMENT AND PAYMENT

- A. Refer to PAYMENT SCHEDULE

1.03 TESTING METHODS:

- A. Relative Compaction: Current versions of Caltrans California Test 216 or 231, or other methods approved by the SRA.

PRODUCTS

- B. Structural Backfill, as specified on the Drawings.
- C. Embankment Backfill (salvaged), as specified on the Drawings.
- D. Class 2 Aggregate, as specified on the Drawings.
- E. Native Subgrade, as specified on the Drawings.

EXECUTION

- F. All compaction shall be by mechanical means unless the Contractor can demonstrate other means that will accomplish required compaction to the satisfaction of the SRA. Compaction equipment shall be of suitable type and adequate to obtain the densities specified and approved. Compaction equipment shall be operated in strict accordance with the manufacturer's instructions and recommendations. Equipment shall be maintained in such condition that it will deliver the manufacturer's rated compactive effort.
- G. Structural backfill installed in 8 inch lifts, maximum.
- H. Embankment backfill installed in 8 inch lifts, maximum.
- I. Compaction testing is required for all material specified to be compacted greater than 85% relative compaction. Compaction tests are required every third lift. For structural backfill or embankment backfill within the trench created to install the culvert, alternate compaction testing on either side of the culvert as directed by the SRA. Elsewhere, conduct compaction test location as directed by the SRA.

- J. If a compaction test shall fail to meet the specified compaction, all material installed above the previously successful compaction test layer shall be removed, reinstalled and retested.

SUBMITTAL PROCEDURES

PART 1 GENERAL

1.01 – SECTION INCLUDES

- A. Submittal procedures.
- B. Construction progress schedules.
- C. Product data & shop drawings.

1.02 – MEASUREMENT AND PAYMENT

- A. Measurement and payment for this item shall be included in the Bid Item to which it relates. No additional measurement or payment will be included for the requirements of this section.

1.03 – SUBMITTAL PROCEDURES

- A. Submit on Submittal Form with information similar to the attached.
- B. Sequentially number transmittal forms. Mark revised submittals with original number and sequential alphabetic suffix.
- C. Identify Project, Contractor, Subcontractor and supplier; pertinent drawing and detail number, and specification section number, appropriate to submittal.
- D. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with requirements of the Work and Contract Documents.
- E. Schedule submittals to expedite Project and deliver to Construction Manager.
- F. For each submittal for review, allow fourteen (14) calendar days excluding delivery time to and from Contractor.
- G. Identify variations from Contract Documents and product or system limitations which may be detrimental to successful performance of completed Work.
- H. When revised for resubmission, clearly identify changes made since previous submission.
- I. Distribute copies of reviewed submittals as appropriate. Instruct parties to promptly report inability to comply with requirements.

1.04 – PRODUCT DATA AND SHOP DRAWINGS

- A. Product Data and Shop Drawings: Submit to Construction Manager for review for limited purpose of checking for conformance with information given and design concept expressed in Contract Documents.
- B. Submit a single re-producible copy or email an electronic version of the submittal to the Construction Manager.
- C. Mark submittal to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information specific to this Project.

REQUEST FOR SUBMITTALS

- A. Contractor is directed to each Specification section for required submittals, however, the anticipated Submittals shall consist of, but is not necessarily limited to the following:
 - a. Compaction test results

	Submittal Title
	Water Management Plan

PART 2 PRODUCTS [N/A] PART 3 EXECUTION [N/A]

ENVIRONMENTAL REQUIREMENTS

PART 1 GENERAL

1.01 – SECTION INCLUDES

- A. Water Management (Dewatering and Clear Water Diversion).
- B. Permit Compliance.
- C. Spill Prevention.
- D. Dust Control
- E. Related Sections
 - 1. Submittal Procedures
 - 2. Appendix A – Permit Conditions

1.02 - MEASUREMENT AND PAYMENT

- A. Refer to Measurement and Payment Section

1.03 – SUBMITTAL REQUIREMENTS

- A. See Section Submittal Procedures
- B. Water Management Plan

The Contractor shall submit a Water Management Plan within five (5) working days of Award to Contract. The Plan shall describe, in detail, the Contractor's approach to control water during construction activities. The Plan shall cover both isolation and dewatering, which should be described separately.

- 1. Dewatering
 - a. While the site is anticipated to lack surface water, shallow groundwater exists beneath the project site. The Contractor shall anticipate encountering groundwater during excavation activities. This water, and other water that enters the construction area is referred to as nuisance water. The Contractor must manage nuisance water in order to conduct construction activities and comply with project permits.
 - b. The Contractor is required to meet the surface water discharge limit requirements listed below and outlined by the Regional Water Quality Control Board. The Construction Manager will conduct sampling downstream of the discharge location to monitor compliance.
 - c. The Contractor is required to dewater construction areas to provide for proper excavation and filling. Although dewatering methods are left to the discretion of the Contractor, the Dewatering Plan needs to be approved by the Construction Manager prior to beginning and construction work. Water pumped from typical channel excavations is likely to contain suspended sediments or other materials, and may not be discharged directly to surface waters. Sediment controls shall be provided to remove sediments generated during the dewatering activities, pumped water shall be discharged in conformance with

all applicable laws and permit requirements.

d. Potential Dewatering discharge areas include:

Groundwater/nuisance water encountered during channel excavation shall be pumped through a sediment bag filter and infiltrated within adjacent pastures of the project site and/or used for dust suppression over open graded areas, access roads where discharge waters will not impede any construction activities and subject to approval by the Construction Manager.

e. Because dewatering may occur in areas that have special status species, the Contractor will need to work with the Construction Manager and Aquatic Biologist to develop dewatering plan approaches that will allow appropriate time for surveys and relocation efforts or to develop alternatives for dewatering that would reduce the amount of "take" of a special status species.

f. The Water Management Plan shall include, but not be limited to, the methods used, schedule of operation, description of equipment such as sump pumps, baker tanks or other forms of conveyance and storage and/or filtration equipment to be used for groundwater pumping and treatment, discharge location and erosion control measures.

1.04 – GENERAL PROJECT WIDE MEASURES

- A. Contractor shall comply with all provisions of any federal, state and local permits necessary to complete the project.
- B. The Contractor, Contractor's staff and Contractor's subcontractors shall be fully informed of the requirements of the project permits and environmental regulatory documents as well as rules, regulations, and conditions that may govern the Contractor's operations in the project area and shall conduct the work accordingly. The Contractor shall comply with all project permit and environmental regulatory document requirements. The Contractor is responsible to conduct the work in accordance with all project permits and environmental documents. Work windows specified in the various project permit conditions may conflict within one another, therefore the most restrictive windows shall be exercised and as shown in the schedule on the plans.
- C. The Contractor shall comply with all other permit conditions, including construction windows, restrictions on work approach related to special status species and archaeologically significant resource areas, buffer zones related to special status species, pre-construction and construction clearance surveys, daily site clearances, and construction monitoring.
- D. All personnel working on site will be required to participate in a short briefing by Construction Manager and qualified biologist about: 1) the presence of federally and state-listed bird, fish, amphibian, reptile, mammalian, and Plant species at the site; 2) avoidance areas; 3) construction windows and effects on sequencing of work; 4) buffers between construction activities and breeding/nesting areas; and 5) pre-construction and construction clearance surveys and construction monitoring requirements prior to initiating and continuing work in construction work areas, including the potential necessity for trapping or seining and relocation; 6) Need to halt work if potential special status species located by Contractor or representative and notify Construction Manager before proceeding with work; 7) Requirements for minimizing other environmental impacts, including noise, traffic, etc.; and 8) The possible presence of archaeological or cultural

resources and need to halt work if suspected archaeological or historic resources are found and notify the Construction Manager before proceeding with work.

- E. Contractor shall ensure that all on-site workers and contractors understand and agree to observe the standards for work outlined in project permits.

CLOSEOUT PROCEDURES

PART 1 GENERAL

1.05 – SECTION INCLUDES

- F. Requirements preparatory to final inspection.
- G. Final inspection.
- H. Acceptance of the Work and final payment.

1.06 – RELATED SECTIONS

- A. See General Contract
- B. See Measurement and Payment

1.07 - REQUIREMENTS PREPARATORY TO FINAL INSPECTION

- A. The Contractor shall request a preliminary final inspection to determine the state of completion of the Work.
- B. The request shall be made in writing, addressed to the Construction Manager, at least seven calendar days in advance of the requested date of the preliminary inspection.
- C. The Construction Manager will perform the preliminary inspection within three days of the requested date.
- D. Prior to the requested date of the preliminary inspection, the Contractor shall perform or provide the following, as applicable:
 - 1. Temporary facilities, except as may be required for punch list work, shall be removed from the site.
 - 2. The site and all applicable appurtenances and improvements shall be cleaned and restored as specified in these specifications.
 - 3. Guaranties and warranties shall be submitted to the Construction Manager.
- E. The Contractor shall be represented by its principal superintendent and such Subcontractors and Suppliers as may be necessary to answer the questions of the CO inspection team.
- F. Certain elements of the Work may be scheduled separately at appointed times in order to keep the preliminary inspection more focused and the number of persons in the CO inspection team to a minimum.
- G. From the information gathered from this inspection, the Construction Manager will prepare a punch list of work to be performed, corrected, or completed.
- H. All work on the punch list shall be completed by the Contractor prior to requesting the final inspection.

1.08 – SUBMITTALS

- A. Request for Final Inspection
- B. Record Drawings

PART 2 EXECUTION

2.01 - SITE CLEANUP

- A. Before scheduling the final inspection, the Contractor shall remove all tools, equipment, surplus materials, construction debris, and rubbish. The Contractor shall replace or refinish fencing, gates, or other infrastructure that are damaged due to work of this contract to previous condition as directed by the Construction Manager. At time of final inspection, the project sites shall be thoroughly clean and ready for use.
- B. All access roads utilized during construction shall be rehabilitated as necessary to pre-project conditions, or as directed by the Construction Manager. All access road rehabilitation work needs to be approved by the Construction Manager prior to implementation.

2.02 – PROJECT RECORD DRAWINGS

- A. The Contractor shall maintain one complete full-size set of contract drawings and one full-size set of vendor-supplied drawings. The Contractor shall clearly mark changes, deletions, and additions using the following drafting standards to show actual construction conditions. The Contractor shall show additions in red, deletions in green and special instructions in blue.
- B. The Contractor shall keep record drawings current and make record drawings available to the Construction Manager for inspection at the time of progress payment requests. If project record drawings are not current, the Construction Manager may retain the progress payment.
- C. On completion of the total project, the Contractor shall submit complete record drawings and include all shop drawings, sketches, and additional drawings that are to be included in the final set, with clear instructions showing the location of these drawings.

2.03 – CLOSEOUT SUBMITTALS

- A. The Contractor shall submit the following materials to the Construction Manager before final inspection request:
 - 1. Project Record Drawings: As specified above.
 - 2. Guarantees and Bonds: As specified in individual sections.
- B. Completion of Work Final Reports. The following will be provided by the Contract Owner's representative:
 - 1. Final Reports: Upon completion of the permitted rough grading work and at the final completion of the work, final reports and drawings and supplements there to are required for engineered grading, or when professional inspection is performed for regular grading, as applicable.
 - 2. Final Reports: Upon completion of the permitted rough grading work and at the final Notification of Completion. The permit tee shall notify the building official when the grading operation is ready for final inspection. Final approval shall not be given until all work, including installation of all drainage facilities and their protective devices, and all erosion-control measures have been completed in accordance with the final approved grading plan, and the required reports have been submitted.

2.04 – FINAL INSPECTION

- A. When all requirements of the above prepared punch list have been completed, the

Contractor shall request the final inspection to determine eligibility for issuance of the Certificate of Completion.

- B. The request shall be made in writing, addressed to the Construction Manager, at least seven calendar days in advance of the requested date of the final inspection.
- C. The Contractor shall be represented by its principal superintendent and such Subcontractors and Suppliers as may be necessary to verify the completion of the Work including punch list items.
- D. Depending on the extensiveness of the punch list items, certain elements of the Work may be scheduled separately for final inspection at appointed times.

2.05 - ACCEPTANCE OF THE WORK AND FINAL PAYMENT

- A. The Construction Manager will accept the Work upon completion of completion punch list items.
- B. Acceptance of the Work will be made in accordance with the General Conditions, Final Inspection and Acceptance of All or a Portion of the Work, of the General Conditions. Final payment will be made in accordance with the Final Payment section of the General Conditions.

PART 6: PROJECT PLANS

Bid Package [Project Plans](#)

Drawings:

https://smithriveralliance.org/wp-content/uploads/Rawson-Crossing-Design-Set_F.pdf

APPENDIX A

PROJECT PERMITS

Approved Permits

[California Department of Fish and Wildlife, Streambed Alteration Agreement \(crossing #2 & #3\)](#)

CDFW LSAA:

https://smithriveralliance.org/wp-content/uploads/EPIMS-DEL-20356-R1_Draft_Agreement_Version_2.pdf

[North Coast Regional Water Quality Control Board Small Habitat Restoration Permit \(crossing #3\)](#)

Water Board permit:

https://smithriveralliance.org/wp-content/uploads/210625_JJS_er_morrisontrib_noa.pdf

[County of Del Norte, Building Permit \(crossing #2\)](#)

[County of Del Norte, Coastal Grading Permit \(crossing #2 & #3\)](#)

Del Norte County Coastal Grading Permit:

https://smithriveralliance.org/wp-content/uploads/Notice-of-Action_Rawson-CGP.pdf

Army Corp Nationwide 27 (crossing #3)

The following permits for crossing #2 are covered by the Fisheries Restoration Grant Program

<https://www.wildlife.ca.gov/Grants/FRGP/MND>:

North Coast Regional Water Quality Control Board, 401 Water Quality Certification

U.S. Army Corps of Engineers, 404 Regional General Permit

National Oceanic and Atmospheric Administration, Biological Opinion