

DEPARTMENT OF TRANSPORTATION

ESC/OE MS #43
1727 30TH Street, 2ND Floor
Sacramento, CA 95816



November 15, 2000

07-Ven-1-22.8/25.0
07-117044
ACSTP-P001(451)E

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in VENTURA COUNTY IN OXNARD FROM 0.7 km SOUTH OF ETING ROAD TO CHANNEL ISLANDS BOULEVARD.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on November 30, 2000.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, the Proposal and Contract, and the Federal Minimum Wages with Modification Number 13 dated 11-13-00. A copy of the modified wage rates are available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

Project Plan Sheets 6, 15, 22, 87, 109, 156, 157, 158, 159, 160, 161, 162, 163, 165, 167, 169, 170, 172, 173, 187, 263, 275, 300, 312, 322, 351, 369, 379, 395, and 399 are revised. A half-sized copy of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 79A, 79B, 79C are added. A half-sized copy of the added sheets are attached for addition to the project plans.

In the Special Provisions, in the "NOTICE TO CONTRACTORS," the General Work Description is revised as follows:

"General Work Description: Interchange and Structures to be constructed."

In the Special Provisions, Section 10-1.02, "WATER POLLUTION CONTROL," is replaced with Section 10-1.02 "WATER POLLUTION CONTROL," as attached.

In the Special Provisions, Section 10-1.27, "CLEARING AND GRUBBING," the following paragraph is added after the last paragraph:

"Attention is directed to Aerially Deposited Lead of these special provisions."

In the Special Provisions, Section 10-1.28, "EARTHWORK," the second paragraph, first sentence is revised as follows:

"The finished grades and areas of disturbance shall be left in a rough grade a maximum of 20 mm depth."

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In the Special Provisions, Section 10-1.29, "MATERIAL CONTAINING AERIALY DEPOSITED LEAD," is replaced with Section 10-1.29 "MATERIAL CONTAINING AERIALY DEPOSITED LEAD," as attached.

In the Special Provisions, Section 10-1.57, "DUCTILE IRON WATER MAIN," the following paragraph is added after the last paragraph:

"200 MM ductile iron water main will be paid for as 300 MM ductile iron water main (CL 200)."

In the Proposal and Contract, the Engineer's Estimate Items 38, 80, 104, 118, 119 and 131 are revised, Item 187 is deleted, and Items 188, 189 and 190 are added as attached.

To Proposal and Contract book holders:

Replace pages 4, 6, 8, 9 and 12 of the Engineer's Estimate in the Proposal with the attached revised pages 4, 6, 8, 9 and 12 of the Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it.

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

NICK YAMBAO, Chief
Office of Plans, Specifications & Estimates
Division of Office Engineer

Attachments

10-1.02 WATER POLLUTION CONTROL

Water pollution control work shall conform to the provisions in Section 7-1.01G, "Water Pollution," of the Standard Specifications and these special provisions.

This project shall conform to the requirements of General Construction Activity Storm Water Permit No. CAS000002 issued by the State Water Resources Control Board. This General Permit, hereafter referred to as the "Permit," regulates storm water discharges associated with construction activities.

Water pollution control work shall conform to the requirements in the Construction Contractor's Guide and Specifications of the Caltrans Storm Water Quality Handbooks, dated April 1997, and addenda thereto issued up to, and including, the date of advertisement of the project, hereafter referred to as the "Handbook." Copies of the Handbook and the General Permit may be obtained from the Department of Transportation, Material Operations Branch, Publication Distribution Unit, 1900 Royal Oaks Drive, Sacramento, California 95815, Telephone: (916) 445-3520 or from internet at <http://www.dot.ca.gov/hq/construc/stormwater.html>.

Water pollution control work shall conform to the requirements in the Construction Contractor's Guide and Specifications of the Caltrans Storm Water Quality Handbooks, dated April 1997, and addenda thereto issued up to and including the date of advertisement of the project, hereafter referred to as the "Handbook." Copies of the Handbook may be obtained from the Department of Transportation, Material Operations Branch, Publication Distribution Unit, 1900 Royal Oaks Drive, Sacramento, California 95815, Telephone: (916) 445-3520.

Copies of the Handbook and the Permit are also available for review at Construction Office, Rm 244, 120 S. Spring St. Los Angeles CA 90012, Telephone No. 213 897-0054

The Contractor shall know and fully comply with the applicable provisions of the Handbook, Permit, and Federal, State, and local regulations that govern the Contractor's operations and storm water discharges from both the project site and areas of disturbance outside the project limits during construction. The Contractor shall maintain a copy of the Permit at the project site and shall make the Permit available during construction.

Unless arrangements for disturbance of areas outside the project limits are made by the Department and made part of the contract, it is expressly agreed that the Department assumes no responsibility whatsoever to the Contractor or property owner with respect to any arrangements made between the Contractor and property owner to allow disturbance of areas outside the project limits.

The Contractor shall be responsible for the costs and for liabilities imposed by law as a result of the Contractor's failure to comply with the provisions set forth in this section "Water Pollution Control", including but not limited to, compliance with the applicable provisions of the Handbook, Permit and Federal, State and local regulations. For the purposes of this paragraph, costs and liabilities include, but are not limited to, fines, penalties, and damages whether assessed against the State or the Contractor, including those levied under the Federal Clean Water Act and the State Porter Cologne Water Quality Act.

In addition to the remedies authorized by law, some of the money due the Contractor under the contract, as determined by the Department, may be retained by the State of California until disposition has been made of the costs and liabilities.

The retention of money due the Contractor shall be subject to the following:

- A. The Department will give the Contractor 30 days notice of the Department's intention to retain funds from partial payments which may become due to the Contractor prior to acceptance of the contract. Retention of funds from payments made after acceptance of the contract may be made without prior notice to the Contractor.
- B. No retention of additional amounts out of partial payments will be made if the amount to be retained does not exceed the amount being withheld from partial payments pursuant to Section 9-1.06, "Partial Payments," of the Standard Specifications.
- C. If the Department has retained funds and it is subsequently determined that the State is not subject to the costs and liabilities in connection with the matter for which the retention was made, the Department shall be liable for interest on the amount retained at the legal rate of interest for the period of the retention.

Conformance with the provisions of this section "Water Pollution Control" shall not relieve the Contractor from the Contractor's responsibilities, as provided in Section 7, "Legal Relations and Responsibilities," of the Standard Specifications.

At reasonable times and upon presentation of credentials and other documents as may be required by law, the Contractor shall allow authorized agents of the California Regional Water Quality Control Board, State Water Resources Control Board, United States Environmental Protection Agency and the local storm water management agency to:

- A. Enter upon the construction site and the Contractor's facilities pertinent to the work;
- B. Have access to and copy records that must be kept as specified in the Permit;
- C. Inspect the construction site and related soil stabilization practices and sediment control measures; and
- D. Sample or monitor for the purpose of ensuring compliance with the Permit.

The Contractor shall notify the Engineer immediately upon request from the regulatory agencies to enter, inspect, sample, monitor or otherwise access the project site or the Contractor's records.

STORM WATER POLLUTION PREVENTION PLAN PREPARATION, APPROVAL AND UPDATES

As part of the water pollution control work, a Storm Water Pollution Prevention Plan, hereafter referred to as the "SWPPP," is required for this contract. The SWPPP shall conform to the provisions in Section 7-1.01G, "Water Pollution," of the Standard Specifications, the requirements in the Handbook, the requirements of the Permit, and these special provisions. Upon the Engineer's approval of the SWPPP, the SWPPP shall be deemed to fulfill the provisions in Section 7-1.01G of the Standard Specifications for development and submittal of a Water Pollution Control Program.

No work having potential to cause water pollution, as determined by the Engineer, shall be performed until the SWPPP has been approved by the Engineer.

Within 30 days after the approval of the contract, the Contractor shall submit 3 copies of the SWPPP to the Engineer. The Engineer will have 15 days to review the SWPPP. If revisions are required, as determined by the Engineer, the Contractor shall revise and resubmit the SWPPP within 15 days of receipt of the Engineer's comments. The Engineer will have 15 days to review the revisions. Upon the Engineer's approval of the SWPPP, 3 additional copies of the SWPPP, incorporating the required changes, shall be submitted to the Engineer. In order to allow construction activities to proceed, the Engineer may conditionally approve the SWPPP while minor revisions are being completed.

The SWPPP shall identify pollution sources that may adversely affect the quality of storm water discharges associated with the project and shall identify water pollution control measures, hereafter referred to as control measures, to be constructed, implemented, and maintained in order to reduce to the extent feasible pollutants in storm water discharges from the construction site both during and after construction is completed under this contract.

The SWPPP shall incorporate control measures in the following categories:

- A. Soil stabilization practices;
- B. Sediment control practices;
- C. Sediment tracking control practices;
- D. Wind erosion control practices; and
- E. Non-storm water management and waste management and disposal control practices.

Specific objectives and minimum requirements for each category of control measures are contained in the Handbook.

The Contractor shall consider the objectives and minimum requirements presented in the Handbook for each of the above categories. When minimum requirements are listed for any category, the Contractor shall incorporate into the SWPPP and implement on the project, one or more of the listed minimum controls required in order to meet the pollution control objectives for the category. In addition, the Contractor shall consider other control measures presented in the Handbook and shall incorporate into the SWPPP and implement on the project the control measures necessary to meet the objectives of the SWPPP. The Contractor shall document the selection process in conformance with the procedure specified in the Handbook.

The SWPPP shall include, but not limited to, the following items as described in the Handbook and Permit:

- A. Source Identification;
- B. Erosion and Sediment Controls;
- C. Non-Storm Water Management;
- D. Waste Management and Disposal;
- E. Maintenance, Inspection and Repair;
- F. Training;
- G. List of Contractors and Subcontractors;
- H. Post-Construction Storm Water Management;
- I. Preparer;
- J. A copy of the NONC submitted by the Department for this project;
- K. Copy of the General Permit;
- L. BMP Consideration Checklist;
- M. SWPPP Checklist;
- N. Schedule of Values; and
- O. Water Pollution Control Drawings.

The Contractor shall amend the SWPPP, graphically and in narrative form, whenever there is a change in construction activities or operations which may affect the discharge of significant quantities of pollutants to surface waters, ground waters, municipal storm drain systems or when deemed necessary by the Engineer. The SWPPP shall be amended if the SWPPP is in violation of any condition of the Permit, or has not effectively achieved the objective of reducing pollutants in storm water discharges. Amendments shall show additional control measures or revised operations, including those in areas not shown in the initially approved SWPPP, which are required on the project to control water pollution effectively. Amendments to the

SWPPP shall be submitted for review and approval by the Engineer in the same manner specified for the initially approved SWPPP. Approved amendments shall be dated and logged in the SWPPP. Upon approval of the amendment, the Contractor shall implement the additional control measures or revised operations.

The Contractor shall keep a copy of the SWPPP and approved amendments at the project site. The SWPPP shall be made available upon request of a representative of the Regional Water Quality Control Board, State Water Resources Control Board, United States Environmental Protection Agency or the local storm water management agency. Requests by the public shall be directed to the Engineer.

By June 15 of each year, the Contractor shall submit an annual certification to the Engineer stating conformance with the requirements governing the Permit. If the project is in non-compliance at any time, the Contractor shall make a written report to the Engineer within 15 days of identification of non-compliance.

SCHEDULE OF VALUES

The Contractor shall submit with the SWPPP, for approval by the Engineer, a schedule of values detailing the cost breakdown of the contract lump sum item for water pollution control. The schedule of values shall reflect the items of work, quantities, and costs for the control measures shown in the SWPPP, except for critical temporary controls and permanent control measures which are shown on the project plans and for which there is a contract item of work. Adjustments in the items of work and quantities listed in the schedule of values shall be made when required to address approved amendments to the SWPPP.

The sum of the amounts for the units of work listed in the schedule of values shall be equal to the contract lump sum price for water pollution control.

If approved in writing by the Engineer, the schedule of values will be used to determine progress payments for water pollution control during the progress of the work. The schedule of values will be used as the basis for calculating any adjustment in compensation for the contract item for water pollution control due to changes in the work ordered by the Engineer.

SWPPP IMPLEMENTATION

Upon approval of the SWPPP, the Contractor shall be responsible throughout the duration of the project for installing, constructing, inspecting, and maintaining the control measures included in the SWPPP and any amendments thereto and for removing and disposing of temporary control measures. Unless otherwise directed by the Engineer or specified in these special provisions, the Contractor's responsibility for SWPPP implementation shall continue throughout any temporary suspension of work ordered in conformance with the provisions in Section 8-1.05, "Temporary Suspension of Work," of the Standard Specifications. Requirements for installation, construction, inspection, maintenance, removal, and disposal of control measures are specified in the Handbook and these special provisions.

Soil stabilization practices and sediment control measures, including minimum requirements, shall be provided throughout the winter season, defined as between October 1 and May 1.

Implementation of soil stabilization practices and sediment control measures for soil-disturbed areas on the project site shall be completed, except as provided for below, not later than 20 days prior to the beginning of the winter season or upon start of applicable construction activities for projects which begin either during or within 20 days of the winter season.

Throughout the winter season, the active, soil-disturbed area of the project site shall be not more than 2 hectares. The Engineer may approve, on a case-by-case basis, expansions of the active, soil-disturbed area limit. The Contractor shall demonstrate the ability and preparedness to fully deploy soil stabilization practices and sediment control measures to protect soil-disturbed areas on the project site before the onset of precipitation. A quantity of soil stabilization and sediment control materials shall be maintained on site equal to 125 percent of that sufficient to protect unprotected, soil-disturbed areas on the project site. A detailed plan for the mobilization of sufficient labor and equipment shall be maintained to fully deploy control measures required to protect unprotected, soil-disturbed areas on the project site prior to the onset of precipitation. A current inventory of control measure materials and the detailed mobilization plan shall be included as part of the SWPPP.

Throughout the winter season, soil-disturbed areas of the project site shall be considered to be nonactive whenever soil disturbing activities are expected to be discontinued for a period of 20 or more days and the areas are fully protected. Areas that will become nonactive either during the winter season or within 20 days thereof shall be fully protected with soil stabilization practices and sediment control measures within 10 days of the discontinuance of soil disturbing activities or prior to the onset of precipitation, whichever is first to occur.

Throughout the winter season, active soil-disturbed areas of the project site shall be fully protected at the end of each day with soil stabilization practices and sediment control measures unless fair weather is predicted through the following work day. The weather forecast shall be monitored by the Contractor on a daily basis. The National Weather Service forecast shall be used. An alternative weather forecast proposed by the Contractor may be used if approved by the Engineer. If precipitation is predicted prior to the end of the following work day, construction scheduling shall be modified, as required, and functioning control measures shall be deployed prior to the onset of the precipitation.

The Contractor shall implement, year-round and throughout the duration of the project, control measures included in the SWPPP for sediment tracking, wind erosion, non-storm water management and waste management and disposal.

The Engineer may order the suspension of construction operations which create water pollution if the Contractor fails to conform to the provisions of this section "Water Pollution Control" as determined by the Engineer.

MAINTENANCE

To ensure the proper implementation and functioning of control measures, the Contractor shall regularly inspect and maintain the construction site for the control measures identified in the SWPPP. The Contractor shall identify corrective actions and time needed to address any deficient measures or reinitiate any measures that have been discontinued.

The construction site inspection checklist provided in the Handbook shall be used to ensure that the necessary measures are being properly implemented, and to ensure that the control measures are functioning adequately. One copy of each site inspection record shall be submitted to the Engineer.

During the winter season, inspections of the construction site shall be conducted by the Contractor to identify deficient measures, as follows:

- A. Prior to a forecast storm;
- B. After any precipitation which causes runoff capable of carrying sediment from the construction site;
- C. At 24 hour intervals during extended precipitation events; and
- D. Routinely, at a minimum of once every 2 weeks.

If the Contractor or the Engineer identifies a deficiency in the deployment or functioning of an identified control measure, the deficiency shall be corrected immediately. The deficiency may be corrected at a later date and time if requested by the Contractor and approved by the Engineer in writing, but not later than the onset of subsequent precipitation. The correction of deficiencies shall be at no additional cost to the State.

PAYMENT

The contract lump sum price paid for prepare storm water pollution prevention plan shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in developing, preparing, obtaining approval of, revising, and amending the SWPPP, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Attention is directed to Section 9-1.06, "Partial Payments," and Section 9-1.07, "Payment After Acceptance," of the Standard Specifications. Payments for prepare storm water pollution prevention plan will be made as follows:

- A. After the SWPPP has been approved by the Engineer, 75 percent of the contract item price for prepare storm water pollution prevention plan will be included in the monthly partial payment estimate; and
- B. After acceptance of the contract pursuant to Section 7-1.17, "Acceptance of Contract," payment for the remaining 25 percent of the contract item price for prepare storm water pollution prevention plan will be made in conformance with the provisions in Section 9-1.07.

The contract lump sum price paid for water pollution control shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing, constructing, maintaining, removing, and disposing of control measures, except those shown on the plans and for which there is a contract item of work, and excluding developing, preparing, obtaining approval of, revising, and amending the SWPPP, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Changes in control measures required by an approved amendment to the SWPPP, except changes to those control measures shown on the plans and for which there is a contract item of work, will be considered extra work as provided in Section 4-1.03D of the Standard Specifications and the following:

- A. If the control measure is listed in the approved SWPPP schedule of values, an adjustment in compensation for the contract item for water pollution control will be made by applying the increase or decrease in quantities to the approved schedule of values. No adjustment of compensation will be made to the unit price listed for items in the schedule of values due to any increase or decrease in the quantities, regardless of the reason for the increase or decrease. The provisions in Section 4-1.03B, "Increased or Decreased Quantities," of the Standard Specifications shall not apply to items listed in the schedule of values.
- B. If the control measure is not listed in the approved SWPPP schedule of values, payment will be made by force account.

Those control measures which are shown on the plans and for which there is a contract item of work will be measured and paid for as that contract item of work.

The Engineer will retain an amount equal to 25 percent of the estimated value of the contract work performed during estimate periods in which the Contractor fails to conform to the provisions of this section "Water Pollution Control" as determined by the Engineer.

Retentions for failure to conform to the provisions in this section "Water Pollution Control" shall be in addition to the other retentions provided for in the contract. The amounts retained for failure of the Contractor to conform to the provisions in this section will be released for payment on the next monthly estimate for partial payment following the date that an approved SWPPP has been implemented and maintained, and water pollution is adequately controlled, as determined by the Engineer.

10-1.29 MATERIAL CONTAINING AERIALY DEPOSITED LEAD

Earthwork involving materials containing aerially deposited lead shall conform to the provisions in Section 19, "Earthwork," of the Standard Specifications and these special provisions.

Attention is directed to "Aerially Deposited Lead" of these special provisions.

Type Y material exists within the area from the existing edge to 1.5-m measured horizontally from the edges of existing pavement as shown on the plans. These materials shall be excavated to a depth of 0-m to 1.0-m below existing grade. These materials are hazardous waste regulated by the State of California that may be reused as permitted under the Variance of the Department of Toxic Substances Control. These materials shall be placed as shown on the plans and covered with a minimum 0.3-m layer of material as directed by the Engineer. Temporary surplus material may be generated on this project due to the requirements of stage construction. Temporary surplus material shall not be transported outside the project limits. In order to conform to the requirements of these provisions, it may be necessary to stockpile materials for subsequent stages or construct some embankments out of stage or handle temporary surplus material more than once.

HEALTH AND SAFETY

The Contractor shall prepare a project specific Lead Compliance Plan to prevent or minimize worker exposure to lead contamination in soil. Attention is directed to Title 8, California Code of Regulations, Section 1532.1, "Lead," for specific Cal-OSHA requirements when working with lead.

The Lead Compliance Plan shall contain the elements listed in Title 8, California Code of Regulations, Section 1532.1(e)(2)(B). Before submission to the Engineer, the Lead Compliance Plan shall be approved by an Industrial Hygienist certified in Comprehensive Practice by the American Board of Industrial Hygiene and paid by the Contractor. The Plan shall be submitted to the Engineer at least 15 days prior to beginning work in areas containing aerially deposited lead.

Prior to performing work in areas containing aerially deposited lead, personnel who have no prior training or are not current in their training status, including State personnel, shall complete a safety training program provided by the Contractor. The safety training program shall meet the requirements of Title 8, California Code of Regulations, Section 1532.1, "Lead."

Personal protective equipment, training, washing facilities, and medical surveillance required by the Contractor's Lead Compliance Plan shall be supplied to State personnel by the Contractor. The number of State personnel will be 5.

The Lead Compliance Plan shall include perimeter air monitoring incorporating upwind and downwind locations as shown on the plans and as approved by the Engineer. Monitoring shall be by high volume sampler for total suspended particulates. Analysis for lead shall be by California Air Resources Board SOP 005-5.1. Daily monitoring shall take place while the Contractor clears and grubs and constructs earthwork. A single representative daily sample shall be analyzed for lead. Analytical data shall be submitted to the Engineer in writing within 5 working days of obtaining the sample. Average lead concentrations shall not exceed 1.5 microgram per cubic meter of air per day. If concentrations exceed this level the contractor shall stop work and modify work to prevent release of lead.

The Contractor shall not clear and grub or construct earthwork within the project limits, unless authorized in writing by the Engineer, until the Lead Compliance Plan has been accepted by the Engineer.

The Lead Compliance Plan will be paid for as a lump sum.

The contract lump sum price paid for Lead Compliance Plan shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in preparing the Lead Compliance Plan, and for providing personal protective equipment, training and medical surveillance, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

WORK PLAN

The Contractor shall prepare a work plan for handling and stockpiling materials containing hazardous levels of lead. The work plan shall include provisions for sampling any stockpile area after removal of the materials. The plan shall meet the requirements for the design and development of the sampling plan, statistical analysis, and reporting of test results contained in USEPA, SW 846, "Test Methods for Evaluating Solid Waste," Volume II: Field Manual Physical/Chemical, Chapter Nine, Section 9.1. The plan shall be submitted to the Engineer at least 15 days prior to beginning work in areas containing lead.

The Engineer will notify the Contractor of acceptance or rejection of any submitted or revised Lead Compliance Plan, work plan, and excavation and transportation plan not more than 10 days after submittal of the plan.

Excavation, transportation, placement, and handling of materials containing aerially deposited lead shall be processed without visible dust. The Contractor shall have a water truck available at all times while performing clearing and grubbing and earthwork operations in work areas containing aerially deposited lead.

Prior to traveling on public roads, loose and extraneous material shall be removed from surfaces outside the cargo areas of the transporting vehicles and the cargo shall be covered with tarpaulins, or other cover approved by the Engineer. The Contractor shall be responsible for costs due to spillage of material containing lead during transport. The Department will

not consider the Contractor a generator of these hazardous materials, and the Contractor will not be obligated for further cleanup, removal or remedial action for such materials handled or disposed of in conformance with the requirements specified herein and the appropriate State and Federal laws and regulations and county and municipal ordinances and regulations regarding hazardous waste. The Engineer will sign all hazardous waste manifests.

If disposal of materials containing aeriually deposited lead is within California, the disposal site shall be operating under a permit issued by the California Environmental Protection Agency (Cal-EPA) Boards. If disposal is outside California, the disposal site will be approved by the Engineer and shall be operating under a permit issued by the United States Environmental Protection Agency (EPA).

The Engineer will obtain the EPA Generator Identification Number and the State of California Board of Equalization Identification Number for hazardous material disposal. The Engineer will sign all hazardous waste manifests.

Sampling, analyzing, transporting, and disposing of materials containing aeriually deposited lead excavated outside the pay limits of excavation will be at the Contractor's expense.

Full compensation for conforming to the requirements of this section involving materials containing aeriually deposited lead, except as otherwise specifically provided in these special provisions, shall be considered as included in the contract prices paid per cubic meter for roadway excavation (Type Y) and no additional compensation will be allowed therefor.

**ENGINEER'S ESTIMATE
07-117044**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	150608	REMOVE CHAIN LINK FENCE	M	4130		
22	150662	REMOVE METAL BEAM GUARD RAILING	M	350		
23	150711	REMOVE PAINTED TRAFFIC STRIPE	M	3360		
24	150713	REMOVE PAVEMENT MARKING	M2	120		
25	150174	REMOVE THERMOPLASTIC TRAFFIC STRIPE	M	9190		
26	150722	REMOVE PAVEMENT MARKER	EA	2590		
27	150742	REMOVE ROADSIDE SIGN	EA	110		
28	150760	REMOVE SIGN STRUCTURE	EA	2		
29	150820	REMOVE INLET	EA	2		
30	150821	REMOVE HEADWALL	EA	9		
31 (S)	152317	RESET ROADSIDE SIGN (TWO POST)	EA	3		
32	153153	COLD PLANE ASPHALT CONCRETE PAVEMENT (45 MM MAXIMUM)	M2	2450		
33	153210	REMOVE CONCRETE	M3	300		
34	153531	ACCESS OPENING, SOFFIT	EA	2		
35	156535	REMOVE BOX CULVERT	M3	32		
36	157550	BRIDGE REMOVAL	LS	LUMP SUM	LUMP SUM	
37	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
38	190101	ROADWAY EXCAVATION	M3	6940		
39	190151	CHANNEL EXCAVATION	M3	3040		
40 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	367		

**ENGINEER'S ESTIMATE
07-117044**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (S)	018583	PLANT GROUP Z (9 M)	EA	31		
62 (S)	204035	PLANT (GROUP A)	EA	470		
63 (S)	204038	PLANT (GROUP U)	EA	170		
64 (S)	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
65 (S)	206560	CONTROL AND NEUTRAL CONDUCTORS	LS	LUMP SUM	LUMP SUM	
66 (S)	206611	25 MM ELECTRIC REMOTE CONTROL VALVE	EA	17		
67 (S)	206614	50 MM ELECTRIC REMOTE CONTROL VALVE	EA	2		
68 (S)	018584	8 STATION IRRIGATION CONTROLLER (PEDESTAL MOUNTED)	EA	1		
69 (S)	206908	12 STATION IRRIGATION CONTROLLER (PEDESTAL MOUNTED)	EA	1		
70 (S-F)	208249	20 MM PLASTIC PIPE (PR 200) (SUPPLY LINE)	M	6110		
71 (S-F)	208250	25 MM PLASTIC PIPE (PR 200) (SUPPLY LINE)	M	835		
72 (S-F)	208251	32 MM PLASTIC PIPE (PR 200) (SUPPLY LINE)	M	250		
73 (S-F)	208252	40 MM PLASTIC PIPE (PR 200) (SUPPLY LINE)	M	60		
74 (S-F)	208253	50 MM PLASTIC PIPE (PR 200) (SUPPLY LINE)	M	2510		
75 (S)	208435	50 MM BACKFLOW PREVENTOR ASSEMBLY	EA	2		
76 (S)	208483	SPRINKLER (TYPE C-3)	EA	690		
77 (S)	208491	50 MM GATE VALVE	EA	6		
78 (S)	018585	25 MM FILTER ASSEMBLY UNIT	EA	6		
79 (S)	018586	32 MM FILTER ASSEMBLY UNIT	EA	5		
80	260201	CLASS 2 AGGREGATE BASE	M3	78 300		

**ENGINEER'S ESTIMATE
07-117044**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	018587	CORE THROUGH CAP BEAM/HINGE	EA	2		
102	018588	CORE THROUGH ABUTMENT	EA	2		
103 (S)	518050	PTFE BEARING	EA	8		
104 (S-F)	518201	MASONRY BLOCK WALL	M2	206		
105 (S)	519125	JOINT SEAL ASSEMBLY (MR 70 MM)	M	24		
106 (S)	519128	JOINT SEAL ASSEMBLY (MR 100 MM)	M	13		
107 (S)	519129	JOINT SEAL ASSEMBLY (MR 101 MM - 160 MM)	M	12		
108 (S)	519144	JOINT SEAL (MR 50 MM)	M	64		
109 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	716 400		
110 (S-F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	39 624		
111 (S-F)	520107	BAR REINFORCING STEEL (BOX CULVERT)	KG	67 386		
112 (F)	560208	FURNISH SIGN STRUCTURE (TUBULAR)	KG	5100		
113 (S-F)	560209	INSTALL SIGN STRUCTURE (TUBULAR)	KG	5100		
114 (F)	560213	FURNISH SIGN STRUCTURE (LIGHTWEIGHT)	KG	3200		
115 (S-F)	560214	INSTALL SIGN STRUCTURE (LIGHTWEIGHT)	KG	3200		
116 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	KG	24 700		
117 (S-F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	KG	24 700		
118 (S)	561008	760 MM CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	M	18		
119 (S)	561009	920 MM CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	M	24		
120 (S)	561010	1070 MM CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	M	7		

**ENGINEER'S ESTIMATE
07-117044**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	566011	ROADSIDE SIGN - ONE POST	EA	250		
122	566012	ROADSIDE SIGN - TWO POST	EA	46		
123	566013	ROADSIDE SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	23		
124	620909	450 MM ALTERNATIVE PIPE CULVERT	M	300		
125	620913	600 MM ALTERNATIVE PIPE CULVERT	M	590		
126	650075	600 MM REINFORCED CONCRETE PIPE	M	4.2		
127	650077	750 MM REINFORCED CONCRETE PIPE	M	8		
128	650079	900 MM REINFORCED CONCRETE PIPE	M	14		
129	018589	250 MM ALTERNATIVE METAL CONDUIT	M	480		
130	018590	600 MM ENTRANCE TAPER (TYPE 1)	EA	1		
131 (S)	018591	300 MM DUCTILE IRON WATER MAIN (CL 200)	M	240		
132 (S)	018592	300 MM DUCTILE IRON WATER MAIN (CL 200, PIPE AND CASING)	M	171		
133	705336	450 MM ALTERNATIVE FLARED END SECTION	EA	8		
134 (S)	018593	200 MM POLYVINYL CHLORIDE SEWER MAIN (CL 200)	M	200		
135 (S)	018594	200 MM POLYVINYL CHLORIDE SEWER MAIN (CL 200, PIPE AND CASING)	M	180		
136	721009	ROCK SLOPE PROTECTION (FACING, METHOD B)	M3	75		
137	721024	ROCK SLOPE PROTECTION (1/4T, METHOD B)	M3	33		
138 (F)	721420	CONCRETE (DITCH LINING)	M3	134		
139	729010	ROCK SLOPE PROTECTION FABRIC	M2	400		
140	731501	MINOR CONCRETE (CURB)	M3	8		

**ENGINEER'S ESTIMATE
07-117044**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181 (S)	860701	INTERCONNECTION CONDUIT AND CONDUCTOR	LS	LUMP SUM	LUMP SUM	
182 (S)	018597	TWO-SIZE 103 CONDUITS (BRIDGE-INTERIOR ATTACHED)	M	500		
183 (S)	860767	SIZE 32 INNERDUCT	M	530		
184 (S)	860797	ELECTRIC SERVICE (IRRIGATION)	LS	LUMP SUM	LUMP SUM	
185 (S)	018598	REMOVE EXISTING SIGNAL SYSTEM (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
186 (S)	018599	REMOVE EXISTING SIGNAL SYSTEM (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
187	BLANK					
188	020205	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
189	020206	ROADWAY EXCAVATION (TYPE Y)	M3	4760		
190	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____