

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Serious Drought.  
Help save water!*

June 13, 2014

01-Men-1-70.3/70.7

01-474904

Project ID 0100000331

ER-43M6(004)E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN MENDOCINO COUNTY NEAR WESTPORT FROM 0.8 MILE NORTH OF TEN MILE RIVER BRIDGE TO 4.2 MILES SOUTH OF BLUE SLIDE GULCH BRIDGE.

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 Wednesday, June 18, 2014.

This addendum is being issued to revise the project plans, the *Notice to Bidders and Special Provisions*, and the *Bid book*.

Project plan sheet 42A is added and attached for addition to the project plans.

*In the Notice to Bidders and Special Provisions, in the "STANDARD PLANS LIST," the following Standard Plans are added as follows:*

*"H51 and H52."*

In the Special Provisions, Section 13-3.01A is added as attached.

In the Special Provisions, Section 13-11 is added as attached.

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In the *Bid* book, in the "Bid Item List," Items 29 and 30 are replaced.

To *Bid* book holders:

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the *Notice to Bidders* section of the *Notice to Bidders and Special Provisions*.

Submit the *Bid* book as described in the *Electronic Bidding Guide* at the Bidders' Exchange website.

**[http://www.dot.ca.gov/hq/esc/oe/electronic\\_bidding/electronic\\_bidding.html](http://www.dot.ca.gov/hq/esc/oe/electronic_bidding/electronic_bidding.html)**

Inform subcontractors and suppliers as necessary.

This addendum and attachments are available for the Contractors' download on the Web site:

**[http://www.dot.ca.gov/hq/esc/oe/project\\_ads\\_addenda/01/01-474904](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/01/01-474904)**

If you are not a *Bid* 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,



 CHARLIE FIELDER  
District Director

Attachments

**Add to section 13-3.01A:**

The project is risk level 2.

**Replace section 13-11 with:  
13-11 WATER QUALITY MONITORING**

**13-11.01 GENERAL**

**13-11.02 WATER QUALITY MONITOR**

**13-11.02A General**

Assign a water quality monitor (WQM) to collect water samples and record water quality data. The WQM must be responsible for generating and submitting water quality reports.

Within 7 days after Contract approval, submit the WQM qualifications including training and experience in collecting and analyzing water quality samples.

The WQM must have the same qualifications as the WPC manager including the requirements for QSP and must have training and experience in collecting and analyzing water quality samples. The WQM may be the same person as the WPC manager.

If other personnel will be collecting water quality samples, their training must include:

1. SAP review
2. Health and safety review
3. Sampling simulations

If there is an unauthorized discharge, the WQM must immediately notify the Engineer within 6 hours.

**13-11.02B Visual Inspections**

The WQM must perform a visual inspection after each:

1. Storm event
2. Nonstormwater discharge as follows:
  - 2.1. Observe receiving waters:
    - 2.1.1. 24 hours before beginning in-water work including the installation of clear water diversions
    - 2.1.2. At least 4 times daily during in-water work activities including the installation, operation, and removal of clear water diversions
  - 2.2. Observe receiving waters for the presence of floating and suspended materials, sheen on the surface, discoloration, turbidity, odors, and sources of observed pollutants
  - 2.3. Observe the job site for the presence of authorized and unauthorized nonstormwater discharges and their sources. Unauthorized discharges to surface waters include:
    - 2.3.1. Soil, silt, and sand
    - 2.3.2. Bark, sawdust, and slash
    - 2.3.3. Rubbish and debris
    - 2.3.4. Cement, concrete, and concrete washings
    - 2.3.5. Oil and petroleum products
    - 2.3.6. Welding slag
    - 2.3.7. Other organic or earthen materials

The WQM must prepare a visual inspection report for each storm event and nonstormwater discharge. Each visual inspection report must include:

1. Name of personnel performing the inspection, inspection date, and date the inspection report is completed
2. Storm and weather conditions
3. Locations and observations
4. Corrective actions taken

Retain visual inspection reports at the job site.

**13-11.03 WATER QUALITY SAMPLING AND ANALYSIS DAY**

Water quality sampling and analysis day includes activities such as preparation, collection, analysis, and reporting of water quality samples.

This project is subject the water quality objectives (WQO) shown in the following table:

<b>Water Quality Objectives</b>				
Parameter	Test Method	Detection limit (min)	Units	WQO
pH	Field test with calibrated portable instrument	0.2	pH	Lower NAL = 6.5 Upper NAL = 8.5 And any change greater than 0.5 units from natural background
Turbidity	Field test with calibrated portable instrument	1	NTU	20 percent above natural background
Temperature	Field test with calibrated portable instrument	1	°F	1 degree above natural background
Dissolved oxygen	Field test with calibrated portable instrument	1	mg/L	Must not be reduced below 7 mg/L
Total dissolved solids	Field test with calibrated portable instrument <sup>a</sup>	1	mg/L	Greater than 100 mg/L
Specific conductance	Field test with calibrated portable instrument	0.1	µΩ	Must not exceed 175 µΩ at 77 °F

<sup>a</sup> Portable instrument provides an estimate of Total Dissolved Solids (TDS).

Perform water quality sampling whenever a project activity, conducted within waters of the State, has the potential to mobilize sediment or alter background conditions within waters of the State. Perform surface water quality sampling when:

1. Conducting in-water work
2. Work activities result in materials reaching receiving waters
3. Work activities result in the creation of a visible plume in receiving waters

Comply with the equipment manufacturer's recommendation for sample collection, analysis methods, and equipment calibration.

At least 24 hours before starting in-water work:

1. Establish locations for water quality sampling:
  - 1.1. Upstream of the effluent discharge point or location of in-water work by no more than 50 feet.
  - 1.2. Effluent discharge point including location of in-water work.
  - 1.3. Downstream of the effluent discharge point or location of in-water work between 35 and 50 feet.
2. Conduct water quality sampling to document background conditions for upstream, effluent, and downstream locations. Sample for each WQO shown in the table titled "Water Quality Objectives."
3. Estimate water flow.

Whenever conducting in-water work including the installation of a clear water diversion, conduct water quality sampling:

1. At least 4 times daily for each water quality objective
2. At upstream, effluent, and downstream locations

If sample results exceed a WQO, immediately notify the Engineer within 30 minutes and:

1. Conduct water quality sampling every hour until measurements comply with WQOs
2. Measure the distance from the effluent location to the downstream extent of the exceedance
3. Obtain photos of the tributary upstream, downstream, and at the location of in-water work
4. If BMPs are installed, repaired, or modified to control the source of the exceedance, monitor the activity and document with samples, photos, and a brief summary

You are not required to physically collect samples under the following conditions:

1. During dangerous weather conditions such as flooding or electrical storms
2. Outside of normal working hours

If downstream samples show levels outside of the acceptable range and indicate a possible WQO exceedance, assess WPC practices, site conditions, and surrounding influences to determine the probable cause for the increase.

Retain calibration logs, water quality sampling documentation, and analytical results at the job site.

#### **13-11.04 WATER QUALITY MONITORING REPORT**

##### **13-11.04A General**

Submit a monthly water quality monitoring report by the 7th of the month for monitoring work conducted during the previous month. The report must include:

1. Visual inspection reports
2. If in-water work was done, the following field sampling results and inspections:
  - 2.1. Analytical methods, reporting units, and detection limits
  - 2.2. Date, location, time of sampling, visual observation, photos, and measurements
  - 2.3. Estimate of water flow
  - 2.4. Calibration logs for field monitoring equipment
3. If a storm event generates visible runoff, include visual inspections and sampling results with:
  - 3.1. Date, location, and time of visual observation
  - 3.2. Photos of areas disturbed by project activities including excess materials disposal areas
  - 3.3. Photos showing disturbed soil areas and documenting compliance for erosion control and revegetation measures including soil stabilization and sediment control BMPs
4. Summary of exceedance
5. Summary of corrective actions

### **13-11.04B Water Quality Objective Exceedance Report**

If a WQO is exceeded, the WQM must:

1. Notify the Engineer by phone or electronic media within 30 minutes after WQO is exceeded
2. Submit a WQO exceedance report within 6 hours after WQO is exceeded

The report must include:

1. Field sampling results and inspections including:
  - 1.1. Analytical methods, reporting units, and detection limits
  - 1.2. Date, location, time of sampling, visual observation, photos, and measurements
  - 1.3. Estimate of water flow
2. Description of BMPs and corrective actions taken to manage WQO exceedance

### **13-11.04C Additional Reports**

Not Used

### **13-11.05 WATER QUALITY ANNUAL REPORT**

Not Used

**BID ITEM LIST****01-474904**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	130570	TEMPORARY COVER	SQYD	2,810		
22	130620	TEMPORARY DRAINAGE INLET PROTECTION	EA	1		
23	130640	TEMPORARY FIBER ROLL	LF	5,970		
24	130650	TEMPORARY GRAVEL BAG BERM	LF	120		
25	130660	TEMPORARY LARGE SEDIMENT BARRIER	LF	1,020		
26	130710	TEMPORARY CONSTRUCTION ENTRANCE	EA	3		
27	130730	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
28	130900	TEMPORARY CONCRETE WASHOUT	LS	LUMP SUM	LUMP SUM	
29	131103	WATER QUALITY SAMPLING AND ANALYSIS DAY	EA	18		
30	131104	WATER QUALITY MONITORING REPORT	EA	18		
31	141000	TEMPORARY FENCE (TYPE ESA)	LF	2,220		
32	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	2,240		
33	150204	ABANDON CULVERT (LF)	LF	30		
34	150607	REMOVE FENCE (TYPE WM)	LF	2,420		
35	150620	REMOVE GATE	EA	1		
36	150630	REMOVE MARKER	EA	1		
37	150662	REMOVE METAL BEAM GUARD RAILING	LF	360		
38	150722	REMOVE PAVEMENT MARKER	EA	94		
39	150744	REMOVE ROADSIDE SIGN (WOOD POST)	EA	7		
40	150808	REMOVE CULVERT (EA)	EA	1		