

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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April 10, 2014

10-Sta-4-6.3/6.6

10-OS8704

Project ID 1000000742

ACHSSTP-P004(147)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN STANISLAUS COUNTY ABOUT 10 MILES WEST OF COPPEROPOLIS FROM 0.4 MILE TO 0.1 MILE WEST OF DUNTON ROAD.

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, April 23, 2014.

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

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

In the Special Provisions, Section 14-6.02C(2) is replaced as attached.

In the *Bid* book, in the "Bid Item List," Items 33 and 34 are added.

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

Inform subcontractors and suppliers as necessary.

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

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/10/10-0S8704

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,



SHARRI BENDER EHLERT
District Director
District 6 Central Region

Attachments

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

13-11.01 GENERAL

Section 13-11 includes specifications for monitoring water quality during the following construction activities:

1. Existing culvert extension
2. Install flared end section and rock slope protection

The receiving water for this project is wetlands.

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:

Water Quality Objectives				
Parameter	Test Method	Detection limit (min)	Units	WQO
Turbidity (during activities for in-water work)	Field test with calibrated portable instrument (Measured at downstream sampling location)	1	NTU	15 NTU above natural background
Turbidity (during activities excluding in-water work)	Field test with calibrated portable instrument (Measured at downstream sampling location)	1	NTU	1. Where natural turbidity is less than 1 NTU, increases must not exceed 2 NTU. 2. Where natural turbidity is between 1 and 5 NTUs, increases must not exceed 1 NTU. 3. Where natural turbidity is between 5 and 50 NTUs, increases must not exceed 20 percent. 4. Where natural turbidity is between 50 and 100 NTUs, increases must not exceed 10 NTUs. 5. Where natural turbidity is greater than 100 NTUs, increases must not exceed 10 percent.
Settleable material	Observed	--	ml/L	Greater than 0.1 ml/L

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

14-6.02C(2) Protective Radius

Upon discovery of a regulated species, stop construction activities within a 100-foot radius of the discovery or as defined in the table below. Immediately notify the Engineer. Do not resume activities until receiving notification from the Engineer.

Regulated species name	Protective radius
California tiger salamander	200 Feet
Western burrowing owl	500 Feet
Swainson's hawk	600 Feet
Raptors	300 Feet

BID ITEM LIST
10-0S8704

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	260203	CLASS 2 AGGREGATE BASE (CY)	CY	500		
22	390300	HOT MIX ASPHALT, SUPERPAVE (TYPE A)	TON	370		
23	394053	SHOULDER RUMBLE STRIP (HMA,GROUND-IN INDENTATIONS)	STA	11		
24	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	SQYD	150		
25	397005	TACK COAT	TON	0.2		
26	650018	24" REINFORCED CONCRETE PIPE	LF	7		
27	705206	24" CONCRETE FLARED END SECTION	EA	1		
28	721028	ROCK SLOPE PROTECTION (NO. 2, METHOD B) (CY)	CY	9		
29	729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	26		
30	820107	DELINEATOR (CLASS 1)	EA	12		
31	820151	OBJECT MARKER (TYPE L-1)	EA	1		
32	840560	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	LF	1,560		
33	131103	WATER QUALITY SAMPLING AND ANALYSIS DAY	EA	6		
34	131104	WATER QUALITY MONITORING REPORT	EA	1		

TOTAL BID:

\$
