

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Flex your power!
Be energy efficient!*

May 12, 2011

03-Yol, Sac-80-R10.9/R11.7, M0.0/M10.4

03-3797U4

Project ID 0300020155

ACIM-0803(237)E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN YOLO AND SACRAMENTO COUNTIES IN AND NEAR WEST SACRAMENTO AND SACRAMENTO FROM ROUTE 80/84 SEPARATION TO WATT AVENUE OVERCROSSING.

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, May 25, 2011.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, the Bid book, and the Federal Minimum Wages with Modification Number 20 dated 04/15/2011.

Project Plan Sheets 2, 12, 44, 819 and 823 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 5-1.11, "PAYMENTS," items AA and BB are added to the first paragraph as follows:

- "AA. Sound Wall (Masonry Block)
- BB. Metal Sign Structures"

In the Special Provisions, Section 5-1.13, "SPECIES PROTECTION," subsection "CONSTRUCTION," subsection "Protection Measures" items 2, 3 and 4 are revised as follows:

- "2. Remove existing nests and prevent additional nesting in structure weep holes, expansion joints and other potential nesting areas under structures. Structures include the Natomas East Main Drainage Canal (NEMDC), Rio Linda Blvd., Winters Street, and Del Paso Separation overcrossings. At the NEMDC, nest prevention will occur from when birds are no longer nesting until October 1 (the work window closure for GGS). At Rio Linda Blvd., Winters Street, and Del Paso Separation, nest prevention can occur from when birds are no longer nesting Until February 15.
3. Nest prevention devices will be left in place until all work is completed. The contractor will maintain these devices in good working order until conclusion of the project and will remove them once the work under the structure is complete.
4. The contractor shall furnish all labor, materials, tools, equipment and incidentals to prevent migratory birds from nesting underneath the NEMDC, Rio Linda Blvd., Winters Street, and Del Paso Separation structures."

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In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the fourth paragraph is replaced with the following two paragraphs:

The Contractor shall not work within the following locations until July 1, 2012: Union Pacific Railroad and Natomas East Main Drainage Canal (NEMDC) at Natomas East Canal Bridge Overhead (NEMDC BOH) (Sta "A1" 495+50 to 501+60), Union Pacific Railroad and Sacramento Valley Railroad at Del Paso Park Separation Overhead Left (Sta "A3" 691+10 to 694+20), Union Pacific Railroad and Sacramento Valley Railroad at Del Paso Park Separation Overhead Right (Sta "A2" 690+30 to 692+20), Regional Transit at Del Paso Park Separation Overhead Right (Sta "A2" 699+10 to 701+90)."

Work at NEMDC may begin before July 1, 2012 provided that the Contractor provides an alternative access route that complies with the environmental requirements, contract documents, and there is no encroachment in Railroad right of way until July 1, 2012 at the Natomas East Canal Bridge Overhead. Furthermore, Caltrans has consulted with CDFG and Central Valley Flood Protection Board and it has been determined that falsework bents can remain during flood season as long as the falsework is above high the water at the NEMDC and NEMDC BOH (See Information Handout, CDFG Item 10)."

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the last row in the table in the eighth paragraph is deleted.

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the following paragraph is added after the eighth paragraph:

"The RT parking lot at Longview Drive on-ramp to East Bond I-80 is allowed to close one time at 120 days duration."

In the Special Provisions, Section 10-1.035, "TEMPORARY WETLAND PROTECTION MAT," is revised to "TEMPORARY WETLAND SOIL AND WATER QUALITY PROTECTION" and replaced as attached.

In the Special Provisions, Section 10-1.38, "EXISTING HIGHWAY FACILITIES," subsection "EARTH MATERIAL CONTAINING LEAD," subsection "General," subsection "Project Conditions," the seventh paragraph is revised as follows:

"EB I-80 Inside Shoulder "A2" 702+00 to 714+00 and WB I-80 Inside Shoulder "A3" 703+00 to 712+00 - levels of lead range from less than 5 mg/kg to 320 mg/kg total lead with an average concentration of 24.8 mg/kg total lead as analyzed by EPA Test Method 6010B. Levels of lead have a predicted average soluble concentration of 2.3 mg/l as analyzed by the California Waste Extraction Test and based upon a 95% Upper Confidence Limit."

In the Special Provisions, Section 10-1.595, "CONCRETE PAVEMENT SMOOTHNESS" is added as attached.

In the Special Provisions, Section 13C, "RAILROAD RELATIONS AND INSURANCE REQUIREMENTS," subsection "13C-1.02 RAILROAD REQUIREMENTS," item (d) is added to the eleventh paragraph as follows:

"(d) Contractor shall be required to take special precaution and care with working near electrical overhead. The Contractor shall comply with requirements of Cal OSHA."

In the Bid book, in the "Bid Item List," Items 20 and 21 are revised, Items 249 and 250 are added and Items 39 and 248 are deleted as attached.

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To Bid book holders:

Replace pages 3, 4, and 15 of the "Bid Item List" in the Bid book with the attached revised pages 3, 4, and 15 of the Bid Item List. The revised Bid Item List is to be used in the bid.

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.

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

Submit bids in the Bid 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 addendum, attachments and the modified wage rates are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/03/03-3797U4

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,



REBECCA D. HARNAGEL
Chief, Office of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services

Attachments

10-1.035 TEMPORARY WETLAND SOIL AND WATER QUALITY PROTECTION

GENERAL

Summary

Temporary wetland soil protection location: Natomas East Main Drainage Canal.

This work includes installation and removal of temporary wetland soil protection to minimize damage to wetlands.

General Requirements

Use of temporary wetland soil protection to cross wetlands is allowable when specifically permitted by regulatory agencies. When using temporary wetland soil protection, furnish, install, maintain, and remove the temporary soil protection in a manner consistent with laws, regulations, and PLACs.

U.S. Army Corps of Engineers 404 Permit #SPK-2007-00309 Item #II

To ensure permanent impacts to Waters of the U.S. are avoided, heavy equipment operating in Waters of the U.S., especially special aquatic sites (wetlands), shall be required to operate on temporary wetland soil protection approved by Caltrans. Compaction and disturbance to wetland soil structures shall be minimized.

Definitions

Temporary Wetland Soil Protection: Device placed temporarily on a wetland to minimize damage to the wetland soils and habitat.

Submittals

Temporary wetland soil protection schedule: Submit for acceptance a schedule for the placement and removal of temporary wetland soil protection. Include location, temporary wetland soil protection type, and placement and removal dates for each location. Describe the method of installing and removing temporary wetland soil protection.

Certificate of Compliance: Submit a certificate of compliance in accordance with 6-1.07, "Certificate of Compliance." Also, please submit to Caltrans the type of temporary wetland soil protection that will be used for the project for Caltrans approval.

Quality Assurance

Prevent permanent damage and minimize temporary damage to wetlands according to permit requirements.

MATERIALS

Temporary wetland soil protection must be designed for use as temporary roadways and to protect the ground without ground preparation.

CONSTRUCTION

Installation

Temporary wetland soil protection must be free of all soil, seeds, or other organic or hazardous material before entering the work area.

Do not install temporary wetland soil protection in a wetland or cross the wetland until receiving written acceptance from the Engineer for the temporary wetland crossing.

Wetland protection installation activities may not permanently damage wetland soils and habitat.

Inspection

Inspect, clean, and maintain temporary wetland soil protection. Immediately replace or repair damaged or broken temporary wetland soil protection.

Removal

Remove temporary wetland soil protection when crossing of the wetland is no longer needed. Remove temporary wetland soil protection to an appropriate washout location and clean before transporting off-site. The washout location must be outside of wetlands and ESAs, and inside the cleared work area, where any wash-water and other material will not transport into any wetlands, streams, or ESAs.

Disposal

Dispose of temporary wetland soil protection in conformance with 7-1.13, "Disposal of Material Outside the Highway Right of Way," except when reused as provided in this section.

MEASUREMENT AND PAYMENT

The contract lump sum price paid for the temporary wetland soil protection includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in temporary wetland soil protection, complete and in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

10-1.595 CONCRETE PAVEMENT SMOOTHNESS

GENERAL

Summary

This work includes measuring the top layer of concrete pavement for smoothness with an inertial profiler.

Smoothness measured with an inertial profiler is reported as International Roughness Index (IRI) and Mean Roughness Index (MRI) for information only. The Department makes payments and corrections for concrete pavement smoothness based on 12-foot straightedge or California Profilograph measurements, reported as Profile Index (PI₀), under Section 40-1.03 except only an automated profilograph under CT 526 may be used.

Definitions

Submittals

Within 5 business days prior to the initial profiling, submit to the Engineer:

1. Certification of inertial profiler within the last year by Texas Transportation Institute (TTI)
2. Operator certification by TTI
3. Verification of test results performed on project test section.

Within 2 business days after the initial profiling of new or corrected sections, submit to the Engineer and by electronic mail to :

1. Profile traces and an electronic file in ERD or ProVal 3.0 software acceptable format of the raw profile data
2. For each 0.1-mi section, a Microsoft Excel table showing each IRI or MRI in ProVal 3.0 software report format for:
 - 2.1. The left wheel path
 - 2.2. The right wheel path
 - 2.3. The average of the two wheel paths

Submitted profile traces and electronic data become the Department's property. Label each profile trace with the following information:

1. Project number (District EA)
2. District-County-Route number
3. Post Miles (with GPS coordinates)
4. Stationing
5. Operator's name
6. Test date and time
7. Test number
8. Traffic direction
9. Traffic lane
10. Test wheel path
11. Test direction
12. Paving direction
13. Filter Setting
14. Short wavelength cutoff length
15. Long wavelength cutoff length
16. Test speed
17. Weather conditions (air temperature, humidity, and cloud cover)

Perform inertial profiler verification testing in the Engineer's presence at least 10 days before paving operations begin. Give the Engineer 2 business days notice before verification testing.

At the time of testing pavement on this contract, your inertial profiler equipment shall be certified by the Texas Transportation Institute within the previous year. Display a current decal on the inertial profiler equipment with the certification expiration date.

Operate the inertial profiler according to the manufacturer's recommendations and AASHTO R 57-10. Verify the inertial profiler at least once prior to performing any testing. Run the inertial profiler equipment 5 times on a test section provided by the Department at the project location. The test section must be on an existing concrete pavement surface at least 0.1 mile long. Calculate a cross correlation to determine the repeatability of your device under Section 8.3.1.2 of AASHTO R 56-10. The cross correlation shall be a minimum of 0.92 or the equipment must be recalibrated and the test section rerun until verification is obtained.

The Department may perform independent inertial profiler testing. If your inertial profiler test results vary significantly from the Department's, the Engineer may order you to recalibrate your inertial profiler equipment and perform a retest. If your test results are inaccurate due to operator error, the Engineer may disqualify your inertial profiler operator.

CONSTRUCTION

General

Determine the IRI and MRI for 0.1 mile sections of the traffic lane to be profiled. Profile each traffic lane's left and right wheel path and report the IRI. Report each lane's MRI in a section as the average of the IRI values for the right and left wheel paths of the lane within that section. Adjust the IRI for a partial section to reflect a full section based on the proportion of a section paved.

The Department does not require inertial profiler testing at the following locations:

1. Within 12 feet of a transverse joint separating new pavement from existing pavement not constructed under this contract.
2. Within 12 feet of a transverse joint separating new pavement from a bridge deck or approach slab.
3. Local roads and collector lanes.

Each day before inertial profiler testing is performed, notify the Engineer of the start location and remove any debris or loose material from the pavement surface. Perform inertial profiler testing concurrently with California Profilograph testing.

Note stationing on the profile trace for each 0.1 mile section. Use stationing to identify localized roughness greater than 140 inches per mile. The profile trace stationing must match the project stationing.

Retest sections where corrections were made.

PAYMENT

Full compensation for certifying operators and equipment; performing inertial profiler testing and retesting, quality control, and verification testing; furnishing profile traces and providing electronic files to the Engineer is included in the contract price paid per cubic yard for replace concrete pavement (rapid strength concrete) and jointed plain concrete pavement (rapid strength concrete) and no additional compensation will be allowed therefor.

BID ITEM LIST

03-3797U4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070012	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM	LUMP SUM	
2	070018	TIME-RELATED OVERHEAD	WDAY	825		
3	019673	TEMPORARY FENCE (TYPE CL-6, SLATTED)	LF	11,600		
4	071325	TEMPORARY FENCE (TYPE ESA)	LF	4,040		
5	042874	JACKING SUPERSTRUCTURE	LS	LUMP SUM	LUMP SUM	
6	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
7	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
8	074027	TEMPORARY EROSION CONTROL BLANKET	SQYD	116,100		
9	074028	TEMPORARY FIBER ROLL	LF	43,400		
10	074029	TEMPORARY SILT FENCE	LF	29,300		
11	074031	TEMPORARY GRAVEL BAG BERM	LF	3,070		
12	074033	TEMPORARY CONSTRUCTION ENTRANCE	EA	56		
13	074034	TEMPORARY COVER	SQYD	24,200		
14	074035	TEMPORARY CHECK DAM	LF	280		
15	074037	MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	EA	24		
16	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	180		
17	074041	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
18	074042	TEMPORARY CONCRETE WASHOUT (PORTABLE)	LS	LUMP SUM	LUMP SUM	
19	074055	TEMPORARY SOIL BINDER	SQYD	26,000		
20	074056	RAIN EVENT ACTION PLAN	EA	225	500.00	112,500.00

BID ITEM LIST

03-3797U4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	074057	STORM WATER ANNUAL REPORT	EA	4	2,000.00	8,000.00
22	074058	STORM WATER SAMPLING AND ANALYSIS DAY	EA	150		
23	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
24	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
25	120149	TEMPORARY PAVEMENT MARKING (PAINT)	SQFT	660		
26	120151	TEMPORARY TRAFFIC STRIPE (TAPE)	LF	87,900		
27	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	LF	507,000		
28	120165	CHANNELIZER (SURFACE MOUNTED)	EA	1,840		
29	120199	TRAFFIC PLASTIC DRUM	EA	220		
30	120300	TEMPORARY PAVEMENT MARKER	EA	69,400		
31	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
32	129000	TEMPORARY RAILING (TYPE K)	LF	234,000		
33	129100	TEMPORARY CRASH CUSHION MODULE	EA	840		
34	019674	TEMPORARY CRASH CUSHION (ABSORB 350)	EA	4		
35	129150	TEMPORARY TRAFFIC SCREEN	LF	234,000		
36	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	102,000		
37	146002	CONTRACTOR SUPPLIED BIOLOGIST (LS)	LS	LUMP SUM	LUMP SUM	
38	146003	NATURAL RESOURCE PROTECTION PLAN	LS	LUMP SUM	LUMP SUM	
39	BLANK					
40	150206	ABANDON CULVERT	EA	8		

BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
241	019688	MODIFY CLOSED CIRCUIT TELEVISION SYSTEM	LS	LUMP SUM	LUMP SUM	
242	861088	MODIFY RAMP METERING SYSTEM	LS	LUMP SUM	LUMP SUM	
243	861100	RAMP METERING SYSTEM	LS	LUMP SUM	LUMP SUM	
244	861504	MODIFY LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
245	BLANK					
246	020649	DOWEL BAR	EA	220		
247	550102	STRUCTURAL STEEL (BRIDGE)	LB	2,675		
248	BLANK					
249	020898	TEMPORARY WETLAND SOIL PROTECTION	LS	LUMP SUM	LUMP SUM	
250	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$ _____