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*Flex your power!  
Be energy efficient!*

July 2, 2012

01-Men-101-R69.4/R78.9  
01-262004  
Project ID 0100000005

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN MENDOCINO COUNTY IN AND NEAR WILLITS FROM 1.3 KM SOUTH OF HAEHL OVERHEAD TO 2.9 KM SOUTH OF REYNOLDS HIGHWAY.

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 Tuesday, July 10, 2012.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, the Bid book and the Information Handout.

Project Plan Sheets 106, 122, 173, 233, 234, 235, 515, 517, 520, 683, 830, and 932 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 172A and 172B are added. Copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, Section 8-1.03, "STATE FURNISHED MATERIALS," the following item is added to the list of state furnished materials.

"Laminated wood box posts with metal caps for roadside signs"

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

"Disturbed Soil Areas (DSA) are areas of exposed, erodible soil that result from construction activities. The following are not considered DSA's: (1) Areas where soil stabilization, erosion control, highway planting, or slope protections are applied and associated drainage facilities are in place and functional. (2) Roadways, construction roads, access roads or contractor's yards that have been stabilized by the placement of compacted subbase or base material or paved surfacing. (3) Areas where construction has been completed in conformance with the contract plans and permanent erosion control is in place and functional. (4) Erosion control is considered functional when a uniform vegetative cover equivalent to 70 percent of the native background vegetation coverage has been established or equivalent stabilization measures have been employed.

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The Contractor must manage the construction site such that 70,000 square meters of DSA is not exceeded at any time. Measurements for stabilized DSA and newly created DSA will be approved by the Engineer."

In the Special Provisions, Section 10-1.02, "CONTRACTOR SUPPLIED BIOLOGIST," is revised as attached.

In the Special Provisions, Section 10-1.04, "PROTECTION OF SALMONIDS," subsection "BIOLOGIST QUALIFICATIONS," is revised as follows:

"The Contractor shall provide more than one Biologist to conduct fish relocations and monitor the construction area during activities that have the potential to affect fish."

In the Special Provisions, Section 10-1.19, "TEMPORARY FENCE (Type ESA-Floodway)," is revised as attached.

In the Special Provisions, Section 10-1.26, "COOPERATION," the table is revised as follows:

Contract No.	Co-Rte-PM	Location	Type of Work	Tentative Advertisement
01-262014	Men-101	North of Willits on Route 101 and Ryan Creek Road intersection	Replace Culverts, add left turn pocket and relocate Ryan Creek intersection	February, 2014
01-262024	Men-Var-Var	Various locations in Mendocino County	Wetland/Riparian Mitigation	March, 2013
01-262034	Men-101-46	Route 101 in the City of Willits	Place HMA, replace sidewalk and replace culvert	January, 2016
City of Willits	Men	Contract Plan sheets L-24 & L-25	Willits Waste Water Treatment Plant expansion project	On-going Construction
01-262044	Men-101-31	Sherwood Road and Route 101 intersection	Realign road connection, Install soil-nail retaining wall, and add left turn lane	January, 2016
01-0B8304	Men-101-46	City of Willits	Install new curb and sidewalk, install sidewalk drainage system and replace culverts	August, 2014

In the Special Provisions, Section 10-1.67, "LOCAL TOPSOIL," is revised as attached.

In the Special Provisions, Section 10-1.78, "STAMPED ASHALT," subsection "Test Plot" the first sentence of the paragraph is revised as follows:

"A test plot of 1200-mm x 1200-mm, minimum shall be successfully completed at a location approved by the Engineer before beginning work on stamped asphalt concrete."

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In the Special Provisions, Section 10-1.78, "STAMPED ASHALT," subsections "MEASUREMENT" and "PAYMENT" are revised as follows:

**"MEASUREMENT AND PAYMENT**

The contract item for stamped asphalt will be paid for by the square meter and also at the contract price paid per ton for hot mix asphalt.

Full compensation for any necessary excavation, backfill, and preparation of the area, including test plots shall be considered as included in the contract price paid per square meter for stamped asphalt and no compensation will be allowed therefore."

In the Special Provisions, Section 10-1.84, "JOINTED PLAIN CONCRETE PAVEMENT," subsection "COLORING AND PATTERNING TRUCK APRON," the first and second paragraphs are revised as follows:

"The truck apron shall be colored and patterned as specified for minor concrete (textured paving) in "Miscellaneous Concrete Construction" of these Special Provisions and as shown on the plans.

Paving for the truck apron shall not be placed prior to approval by the Engineer of the sample of textured paving as specified for minor concrete (textured paving) of these Special Provisions."

In the Special Provisions, Section 10-1.84, "JOINTED PLAIN CONCRETE PAVEMENT," subsection "COLORING AND PATTERNING TRUCK APRON," the third, fourth, fifth and sixth paragraphs are deleted.

In the Special Provisions, Section 10-1.113, "DRAINAGE WICK," is revised as attached.

In the Special Provisions, Section 10-1.120, "MISCELLANEOUS CONCRETE CONSTRUCTION," is revised as attached.

In the Special Provisions, Section 10-2.04, "HIGHWAY PLANTING," is revised as attached.

In the Bid book, in the "Bid Item List," Items 4, 13, 16, 21, 120, 121, 124 and 125 are revised, Items 263 and 264 are added and Item 262 is deleted as attached.

To Bid book holders:

Replace pages 3, 4, 8, 9 and 16 of the "Bid Item List" in the Bid book with the attached revised pages 3, 4, 8, 9 and 16 of the Bid Item List. The revised Bid Item List is to be used in the bid.

Attached is a copy of the pages to be added to the Information Handout titled "OIL WELL HILL OPTIONAL DISPOSAL SITE."

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.

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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/01/01-262004](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/01/01-262004)**

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

## 10-1.02 CONTRACTOR SUPPLIED BIOLOGISTS

### GENERAL

#### Summary

This work includes providing a Contractor supplied biologists to monitor construction and other activities to protect regulated species that may be harmed during construction activities. The Contractor supplied biologists shall be onsite every day that work occurs anywhere on the project to monitor all construction activities and provide daily reports as required by the various contract permits. The Contractor shall provide as many biologists as needed to ensure compliance with all contract PLAC conditions at all concurrent, simultaneous active work locations.

Attention is directed to "Protection of Salmonids," of these special provisions.

#### Submittals

**Qualifications:** Within 7 days after contract approval, submit each biologist's name, resume, and statement of qualifications to the Engineer. Allow 15 days for the Engineer's review. If the submittal is incomplete, the Engineer will provide comments. Within 7 days after receiving the Engineer's comments, update and re-submit qualifications data. Do not start construction activities until the Contractor Supplied Biologists is authorized by the Engineer.

**Protocols:** Protocols for species protection surveys must be submitted for acceptance within 7 days before beginning survey activities.

**Pre-Construction Survey Report:** Submit a Pre-Construction Survey Report within 14 days before beginning construction activities.

**The Daily Observation and Inspection Record:** Each Contractor Supplied Biologist onsite shall submit a Daily observation and inspection record every working day during all contract work. The record will summarize oversight activities and compliance inspections, observation of special-status species, survey results, and monitoring activities required by the PLACs.

**Quarterly Compliance Report:** Submit a Quarterly Compliance Report every 90 working days during the monitoring period.

Upon discoveries of any dead or injured regulated species the Contractor will immediately notify the Engineer.

**Incident Report:** Submit an Incident Report within 48 hours of the incident.

#### Qualifications:

Each biologist must meet PLAC requirements and provide required qualifications to the Engineer for transmittal to regulatory agencies. All project specific authorizations must be current and valid for the duration of this project.

Biologists who perform specialized activities must have demonstrated field experience working with the species or performing the specialized task. Biologists who perform specialized activities must meet the following minimum requirements:

Specialized Activity / Species	Requirements
Plant identification	A Bachelors degree in Natural Science with a concentration in plant biology
Bird identification	A Bachelors degree in Natural Science with a concentration in animal biology, ecology, or wildlife management.
Fish relocation	Fisheries Biologist with expertise in the areas of anadromous salmonid biology, including handling, collecting, and relocating salmonids; salmonid habitat relationship; and biological monitoring of salmonids

## CONSTRUCTION

### Pre-Construction Survey

Survey the work area for regulated species within 14 days before beginning construction activities.

Upon discovery of a regulated species, stop construction activities as defined in the table below. Immediately notify the Engineer. Do not resume activities until receiving written notification from the Engineer.

Regulated Species Name	Protective Radius
Spotted Owl	0.8 km
White-tailed kites	0.8 km

### Monitoring Schedule

Monitor according to PLAC requirements during active contract work and the following schedule :

Monitoring Type	Schedule
Migratory bird Pre-construction survey	14 days prior to vegetation removal
Identify noxious weeds survey	Prior to vegetation removal
Migratory Bird monitoring	Duration of work at Oil Well Hill borrow site and within project limits
Fish relocation	Fish relocations and monitor the construction area during activities that have the potential to affect fish

### Monitoring Duties

The biologists must:

- Monitor for regulated species within the project area.
- Check for compliance with all mitigation and avoidance measures
- Assure that construction activities minimize take of special status species.
- Ensure that all signs, stakes, and fencing are intact and human activities are restricted from protected areas.
- Assure that construction activities comply with PLACs.
- Immediately notify the Engineer of any take of regulated species.
- Prepare, submit, and sign notifications and reports.

### Notification and Reporting

All reports must include:

- PLAC requirement implementation
- Names of the biologists conducting biological activity
- Date(s) and time(s) of monitoring
- Locations and activities monitored
- Representative photographs
- Findings
- When regulated species are observed, reports must recommend actions to protect the regulated species
- Name of the biologists who prepared the report
- Signature of the biologists certifying the accuracy of the report

The Pre-Construction Survey Report includes:

- Detailed observations and locations where regulated species were observed or statement that no regulated species were observed by each biologist
- Map showing any noxious/invasive plants as listed in the Supplemental Project Information.

The incident report includes:

- Description of any take incident
- Species name and number taken
- Details of required notifications with contact information
- Corrective actions proposed or taken
- Disposition of taken species

#### **MEASUREMENT AND PAYMENT**

The contract lump sum price paid for Contractor Supplied Biologists includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in Contractor Supplied Biologists including presenting and preparing a Biological Resource Information Program as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

### **10-1.19 TEMPORARY FENCE (Type ESA - Floodway)**

Temporary fence (Type ESA - Floodway) shall be furnished, installed, maintained, and later removed in conformance with the details shown on the plans, as specified in Section 80, "Fences," of the Standard Specifications, and in these special provisions and as directed by the Engineer.

It is anticipated that the Temporary Fence (Type ESA - Floodway) will require installation and removal from Construction Season to Construction Season and may not be able to be left in place year round due to 100 Year Flood Plan passage requirements.

#### **MATERIALS**

Temporary fence (Type ESA - Floodway) shall be chain link fence type CL-1.5.

Used materials may be installed provided the used materials are good, sound and are suitable for the purpose intended, as determined by the Engineer.

Materials may be commercial quality provided the dimensions and sizes of the materials are equal to, or greater than, the dimensions and sizes shown on the plans or specified herein.

Posts shall be metal.

Galvanizing and painting of steel items will not be required.

Concrete footings for metal posts will not be required.

#### **Signs**

The sign legend and dimensions shall be as shown on the plans. The sign shall be weatherproof and fade-proof and shall be affixed to an inflexible weatherproof backer board. The sign panel shall be affixed to chain link fence type CL-1.5 with tie wire or locking plastic fasteners. The top of the sign panel shall be flush with the top of the chain link fence type CL-1.5. Sign panels shall be placed at 30 m apart along the length of the temporary fence (Type ESA - Floodway), and at each end of the fence.

#### **INSTALLATION**

Temporary fence (Type ESA - Floodway) shall be installed as follows:

- A. All fence construction activities shall be conducted from outside the ESA as shown on the plans or as staked.
- B. Temporary fence (Type ESA - Floodway) shall be constructed prior to clearing and grubbing work, shall enclose the foliage canopy (drip line) of protected plants, and shall not encroach upon visible roots of the plants.
- C. Temporary fence (Type ESA - Floodway) shall be located so that it is visible, as determined by the Engineer.

When temporary fence (Type ESA - Floodway) is no longer required, as determined by the Engineer, the temporary fence shall become the property of the Contractor and shall be removed and disposed of in conformance with the provisions in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications, except when reused as provided in this section.

All Fencing material anticipated to be reused at a subsequent time shall be stored outside of the floodway.

#### **MAINTENANCE**

Temporary fence (Type ESA - Floodway) that is damaged during the progress of the work shall be repaired or replaced by the Contractor the same day the damage occurs.

#### **MEASUREMENT AND PAYMENT**

Temporary fence (Type ESA - Floodway) shall be measured and paid for in the same manner specified for permanent fence as provided in Section 80, "Fences," of the Standard Specifications.

Full compensation for maintaining, removal and replacement from the floodway each winter season, and final removal, and disposal of temporary fence (Type ESA - Floodway) shall be considered as included in the contract price paid per meter for temporary fence (Type ESA - Floodway) and no additional compensation will be allowed therefor.

## **10-1.67 LOCAL TOPSOIL**

### **GENERAL**

#### **Summary**

Local topsoil (type 1) work includes excavating, stockpiling, removing from stockpiles, spreading, and consolidating topsoil.

Local topsoil (type 2) work includes excavating, transporting to the "TYPE 2 STOCKPILE LOCATION" and placing as shown on the plans and these special provisions.

### **MATERIAL**

Comply with Section 20-2.01, "Topsoil," of the Standard Specifications.

Local topsoil is topsoil excavated from within the right of way and is considered as selected material per Section 19-2.07 "Selected Material," of the Standard Specifications.

The first sentence of the second paragraph of Section 20-2.01, "Topsoil," of the Standard Specifications does not apply. Obtain local topsoil by excavating the top 100 mm of soil, including organic material and leaf litter from areas shown on the plans.

The Contractor shall, at the Contractor's expenses, make any arrangements necessary for hauling over public and private roads to the "TYPE 2 STOCKPILE LOCATION".

### **CONSTRUCTION**

#### **Local topsoil (type 1)**

Comply with Section 20-3.02, "Preparation," of the Standard Specifications.

Spread topsoil to a uniform thickness.

Trackwalk topsoil with tracked equipment run perpendicular to slope contours. Water may be used to assist this process but must not cause erosion.

#### **Local topsoil (type 2)**

Prior to stockpiling, the "TYPE 2 STOCKPILE LOCATION" will be mowed per Section "Roadside Clearing".

Prior to stockpiling and after mowing, install Temporary Fiber Roll, Temporary Fence (Type ESA), Temporary Construction Entrance and then apply Temporary Hydraulic Mulch (Bonded Fiber Matrix) as specified elsewhere in these special provisions.

Local topsoil (type 2) shall be placed in windrows as shown on the plans. Vehicles placing the local topsoil shall not drive over the windrows. After placement of the local topsoil the vehicles shall exit the "TYPE 2 STOCKPILE LOCATION" per the vehicle access route.

After placement of local topsoil (type 2) is completed, Temporary Hydraulic Mulch (Bonded Fiber Matrix) shall be applied.

Local Topsoil (Type 2) shall be left in place at the "TYPE 2 STOCKPILE LOCATION".

### **MEASUREMENT AND PAYMENT**

Excavating local topsoil (Type 1) and stockpiling will be paid for at the contract price for roadway excavation. Removing the local topsoil (Type 1) from the stockpile and placing it in the final position will again be paid for at the contract price for roadway excavation, except that the quantities to be paid for will be determined from measurements of the material in the stockpiles prior to removal.

Full compensation for hauling local topsoil (Type 2) to "TYPE 2 STOCKPILE LOCATION" and placing in windrows as shown on the plans shall be considered as included in the contract price paid per cubic meters for roadway excavation and no additional compensation will be made therefor.

Any processing or handling of the local topsoil required in addition to that specified in these special provisions, which in the opinion of the Engineer is necessary to adhere to the PLAC's, will be paid for as extra work as provided in Section 4-1.03D of the Standard Specifications.

### 10-1.113 DRAINAGE WICK

Drainage wicks shall be furnished and installed as shown on the plans, as specified in these special provisions, and as directed by the Engineer.

Drainage wicks shall consist of fabricated vertical drain materials conforming to the following requirements:

- A. Saturated test samples of the fabricated drainage wick 0.6-m long, or 0.6-m plus the length of splice if splices are being tested, when suspended vertically shall support a 23 kg mass for a period of 5 minutes without distress or separation.
- B. Fabricated drainage wicks shall have the following flow capacity characteristics when test samples are tested in conformance with the test procedure and sequence set forth in these special provisions.
  - 1. The pressure required to produce and maintain a flow of 3.8 L per minute for a period of 10 minutes, through the sidewalls and out the unsealed end of test samples, shall not exceed 8 kPa when the samples are immersed in water only.
  - 2. The pressure required to produce and maintain a flow of 3.8 L per minute for a period of 10 minutes, through the sidewalls and out the unsealed end of test samples, shall not exceed 100 kPa when the samples are embedded in a glassbead-aggregate soil matrix.

The test procedure to be used in determining flow capacity characteristics of fabricated drainage wicks shall consist of placing a 350 mm long test sample of the drainage wick that has been sealed at one end in a test chamber, centered along its longitudinal axis, such that 300 mm of the sample is exposed to the flow within the chamber and such that the unsealed end of the sample extends out of the top of the chamber. Samples of spliced drainage wick shall be placed in the test chamber with 300 mm of the splice exposed to flow within the chamber or, if the splice is less than 300 mm long, the spliced portion of the sample shall be placed in the top portion of the chamber. The inside diameter of the test chamber shall be at least 20 mm greater than the width of the test sample. Water shall be introduced into the test chamber through an inlet centered in the bottom of the chamber. Pressure shall be measured with a strain gage pressure tap installed in the test chamber at approximately mid-depth. Water used in determining flow capacity characteristics shall be potable tap water. Each test sample of spliced and unspliced drainage wick shall first be tested for flow capacity when immersed in water only and then for flow capacity when embedded in a glassbead-aggregate soil matrix. The glassbead-aggregate soil matrix shall consist of inert glass beads and soil and shall conform to the following requirements:

A. Gradation:

Sieve Sizes	Percentage Passing
4.75 mm	100
2.36 mm	77
1.18 mm	63
600 µm	42
300 µm	19
150 µm	7
75 µm	3
53 µm	0

- B. The material passing the 4.75 mm sieve and retained on the 300 µm sieve shall conform to the provisions in Section 90-2.02B, "Fine Aggregate" of the Standard Specifications. The material passing the 300 µm sieve and retained on the 53 µm sieve shall consist of inert glass beads.
- C. The glass beads and soil shall be thoroughly mixed while damp, carefully installed around the test sample of drainage wick in the test chamber and compacted by rodding.

Splices in drainage wicks will be permitted provided the splices are fabricated in a workmanlike manner approved by the Engineer, and the spliced wicks conform to the provisions in these special provisions.

The Contractor shall submit for testing a sample of the unspliced drainage wick to be used and 3 samples of proposed splices to the Engineer at least 21 days prior to the installation of the drainage wicks. The sample of unspliced drainage wick shall be at least 3 m long. Samples of spliced drainage wick shall be long enough to include the splice plus 0.6 m of unspliced wick on either side of the splice. At the same time, the contractor shall submit full details of the sequence and method proposed for installation of the drainage wicks for the Engineer's review and approval. Approval by the Engineer of installation details and methods shall not relieve the Contractor of the responsibility to install drainage wicks in conformance with the plans and these special provisions.

Prior to installation of the drainage wicks, the contractor shall demonstrate that the proposed equipment and methods will produce satisfactory installation of approved drainage wicks in conformance with the plan and these special provisions. For this purpose, trial drainage wicks shall be installed at those locations designated by the Engineer. Payment for trial drainage wicks will be made at the contract price per meter for drainage wick. Payment will not be made for unsatisfactory installations of trial drainage wicks.

Drainage wicks shall be installed using a driving sleeve. The driving sleeve shall protect the drainage wick from tears, cuts, and abrasions during installation and shall be retracted after each drainage wick is installed. The cross-section of the driving sleeve shall be of a shape that will produce minimum disturbance of the soil surrounding the installed drainage wick and shall not exceed 15,500 mm<sup>2</sup> in area.

Drainage wicks shall not be installed by jetting or impact methods.

Upon written request from the Contractor and when approved by the Engineer, augering or other methods may be used to loosen the soil prior to installation of drainage wicks provided the augering does not penetrate more than 0.3 m into the underlying compressible native soil.

Equipment for installing drainage wicks shall be plumbed prior to installing each wick and shall not deviate from the vertical more than 30 mm in 3 m during installation of the wicks. Drainage wicks that are out of proper location more than 150 mm or are damaged or improperly installed will be rejected. Rejected drainage wicks may be removed or abandoned in place, at the Contractor's option, except that rejected wicks, which interfere with installation of replacement wicks, or other acceptable wicks, shall be removed.

Drainage wick locations shall be marked on the ground by the contractor. The locations of the drainage wicks shall not vary by more than 150 mm from the locations shown on the plans.

Drainage wicks shall be installed from the working surface to the depth shown on the plans or designated by the Engineer.

The Contractor shall provide the Engineer with suitable means of determining the quantity of drainage wick installed at each location and shall provide suitable means for the Engineer to determine the depth of the wick at any given time.

Drainage wicks shall be cut off neatly at the location shown on the plans.

Where obstructions are encountered which the drainage wick cannot be driven through, the Contractor shall abandon the drainage wick in place. At the direction of the Engineer, the Contractor shall install a new drainage wick within 500 mm of the obstructed drain. A maximum of two attempts shall be made, as directed by the Engineer, for each obstructed drainage wick.

Drainage wicks will be measured by the meter. The length of drainage wick to be paid for will be the length shown on the plans or designated by the Engineer. Drainage wick placed in excess of such lengths will not be paid for. Payment for abandoned drainage wicks will be made at the contract price per meter for drainage wick.

The contract price per meter for the drainage wick shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing drainage wicks, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

#### 10-1.120 MISCELLANEOUS CONCRETE CONSTRUCTION

Minor Concrete (curb, gutter, sidewalk, and driveway) and minor concrete (textured paving), minor concrete (gutter), and minor concrete (miscellaneous construction) shall conform to the provisions in Section 73, "Concrete Curbs and Sidewalks," of the Standard Specifications and these special provisions.

Curb ramp detectable warning surface shall consist of raised truncated domes constructed or installed on curb ramps in conformance with the details shown on the plans and these special provisions. At the option of the Contractor, the detectable warning surface shall be prefabricated, cast-in-place, or stamped into the surface of the curb ramp. The color of the detectable warning surface shall be yellow conforming to Federal Standard 595B, Color No. 33538.

Prefabricated detectable warning surface shall be in conformance with the requirements established by the Department of General Services, Division of State Architect and be attached in conformance with the manufacturer's recommendations.

Cast-in-place and stamped detectable warning surfaces shall be painted in conformance with the provisions in Section 59-6, "Painting Concrete," of the Standard Specifications.

The finished surfaces of the detectable warning surface shall be free from blemishes.

Prior to constructing the cast-in-place or stamping the detectable warning surface, the Contractor shall demonstrate the ability to produce a detectable warning surface conforming to the details shown on the plans and these special provisions by constructing a 600-mm by 600-mm test panel.

The manufacturer shall provide a written 5-year warranty for prefabricated detectable warning surfaces, guaranteeing replacement when there is defect in the dome shape, color fastness, sound-on-cane acoustic quality, resilience, or attachment. The warranty period shall begin upon acceptance of the contract.

The color for the minor concrete (textured paving) shall closely conform to Federal Standard Color #\_30111\_. Coloring shall be integral, chemically inert, fade resistant mineral oxide or synthetic type. Stamped concrete release agent shall have a color conforming to #36081.

A test plot of 1 m x 1 m, minimum shall be successfully completed at a location approved by the Engineer before beginning work on minor concrete (textured paving). The test plot shall demonstrate the stamped pattern, color coating and sealer/hardener, and shall be inspected by the Engineer for written approval at least 20 days prior to placing concrete.

In the event more than one test plot of minor concrete (textured paving) is required by the Engineer, each additional test slab will be paid for as extra work as provided in Section 4-1.03D of the Standard Specifications.

Minor concrete (textured paving) shall not be placed on the project prior to approval by the Engineer of the test plot.

When no longer required, the minor concrete (textured paving) test plot shall become the property of the Contractor and be removed and disposed of in conformance with the provisions in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

The respective pattern types and colors of concrete for minor concrete (textured paving) shall be placed at the locations shown on the plans, struck off and compacted until a layer of mortar is brought to the surface. The concrete shall be screeded to the required grade and cross section and floated to a uniform surface.

The forming tools for the minor concrete (textured paving) shall be applied to form the textured surfaces while the concrete is still in the plastic stage of set.

Minor concrete (textured paving) areas shall be cured by the curing compound method. The curing compound shall be curing compound (6) conforming to the provisions in Sections 90-7.01B, "Curing Compound Method," of the Standard Specifications.

The contract price paid per square meter for minor concrete (textured paving) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in constructing minor concrete (textured paving), complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Full compensation for constructing or furnishing and installing curb ramp detectable warning surfaces shall be considered as included in the contract price paid per cubic meter for minor concrete (curb, gutter, sidewalk and driveway) and no separate payment will be made therefor.

#### **10-2.04 HIGHWAY PLANTING**

The work performed in connection with highway planting shall conform to the provisions in Section 20-4, "Highway Planting," of the Standard Specifications and these special provisions.

#### **ROADSIDE CLEARING**

Prior to Local Topsoil (Type 2) stockpile placement, vegetation shall be mowed where shown on the plans and specified herein:

- A. Existing vegetation, where shown on the plans to be mowed, shall be mowed as close to ground level as possible.
- B. Mowed vegetation shall be collected and removed from the windrow area.

Roadside clearing work shall not include work required to be performed as clearing and grubbing as specified in Section 16, "Clearing and Grubbing," of the Standard Specifications.

## BID ITEM LIST

01-262004

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	520		
3	071302	TEMPORARY FENCE (TYPE BW)	M	72		
4	071325	TEMPORARY FENCE (TYPE ESA)	M	19 700		
5	022772	TEMPORARY FENCE (TYPE EAS-FLOODWAY)	M	3990		
6	022773	TEMPORARY SUMP SYSTEM	EA	7		
7	022774	INSTRUMENTATION INSTALLATION AND MONITORING	LS	LUMP SUM	LUMP SUM	
8	074015	TEMPORARY ACTIVE TREATMENT SYSTEM	LS	LUMP SUM	LUMP SUM	
9	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
10	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
11	022775	SOIL MANAGEMENT PLAN	LS	LUMP SUM	LUMP SUM	
12	074027	TEMPORARY EROSION CONTROL BLANKET	M2	44 800		
13	074028	TEMPORARY FIBER ROLL	M	61 100		
14	074029	TEMPORARY SILT FENCE	M	27 000		
15	074031	TEMPORARY GRAVEL BAG BERM	M	2020		
16	074033	TEMPORARY CONSTRUCTION ENTRANCE	EA	20		
17	074034	TEMPORARY COVER	M2	45 000		
18	074035	TEMPORARY CHECK DAM	M	1170		
19	074037	MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	EA	20		
20	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	158		

## BID ITEM LIST

01-262004

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	074040	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	M2	682 000		
22	074041	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
23	074042	TEMPORARY CONCRETE WASHOUT (PORTABLE)	LS	LUMP SUM	LUMP SUM	
24	074056	RAIN EVENT ACTION PLAN	EA	390	500.00	195,000.00
25	074057	STORM WATER ANNUAL REPORT	EA	6	2,000.00	12,000.00
26	074058	STORM WATER SAMPLING AND ANALYSIS DAY	EA	200		
27	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
28	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
29	120120	TYPE III BARRICADE	EA	39		
30	120149	TEMPORARY PAVEMENT MARKING (PAINT)	M2	17		
31	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	M	9230		
32	120165	CHANNELIZER (SURFACE MOUNTED)	EA	41		
33	120199	TRAFFIC PLASTIC DRUM	EA	200		
34	120300	TEMPORARY PAVEMENT MARKER	EA	600		
35	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
36	129000	TEMPORARY RAILING (TYPE K)	M	2930		
37	129100	TEMPORARY CRASH CUSHION MODULE	EA	94		
38	146002	CONTRACTOR SUPPLIED BIOLOGIST (LS)	LS	LUMP SUM	LUMP SUM	
39	022776	HYDROACOUSTIC MONITORING	LS	LUMP SUM	LUMP SUM	
40	150205	ABANDON REINFORCED CONCRETE BOX	EA	1		

**BID ITEM LIST****01-262004**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	208732	250 MM CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	M	420		
102	220101	FINISHING ROADWAY	LS	LUMP SUM	LUMP SUM	
103	260201	CLASS 2 AGGREGATE BASE	M3	96 300		
104	390131	HOT MIX ASPHALT	TONN	27 000		
105	390137	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TONN	30 500		
106	390138	RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)	TONN	13 800		
107	022791	STAMPED ASPHALT	M2	1920		
108	391007	PAVING ASPHALT (BINDER, GEOSYNTHETIC PAVEMENT INTERLAYER)	TONN	28		
109	393003	GEOSYNTHETIC PAVEMENT INTERLAYER	M2	24 300		
110	394050	RUMBLE STRIP	STA	170		
111	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
112	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	M	480		
113	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	M	540		
114	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	M	1760		
115	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	M2	300		
116	397005	TACK COAT	TONN	250		
117	401050	JOINTED PLAIN CONCRETE PAVEMENT	M3	840		
118	404092	SEAL PAVEMENT JOINT	M	2140		
119	404093	SEAL ISOLATION JOINT	M	110		
120	490505	FURNISH STEEL PILING (HP 250 X 62)	M	7909		

## BID ITEM LIST

01-262004

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	490506	DRIVE STEEL PILE (HP 250 X 62)	EA	284		
122	490511	FURNISH STEEL PILING (HP 250 X 85)	M	8232		
123	490512	DRIVE STEEL PILE (HP 250 X 85)	EA	395		
124	490566	FURNISH STEEL PILING (HP 360 X 132)	M	9917		
125	490567	DRIVE STEEL PILE (HP 360 X 132)	EA	434		
126	490570	FURNISH STEEL PILING (HP 360 X 174)	M	420		
127	490571	DRIVE STEEL PILE (HP 360 X 174)	EA	30		
128	490584	FURNISH STEEL PIPE PILING (610 MM)	M	13 766		
129	490585	DRIVE STEEL PIPE PILE (610 MM)	EA	522		
130	490772	FURNISH PILING (CLASS 625) (ALTERNATIVE W)	M	1147		
131	490773	DRIVE PILE (CLASS 625) (ALTERNATIVE W)	EA	50		
132	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
133 (F)	043653	COLUMN EPOXY COATED PRESTRESSING STEEL	KG	687		
134 (F)	510000	SEAL COURSE CONCRETE	M3	61		
135 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	M3	3039		
136 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	M3	20 919		
137 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	M3	1769		
138 (F)	510085	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE EQ)	M3	16		
139 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	M3	917		
140 (F)	043654	CLASS 1 CONCRETE (BOX CULVERT)	M3	142		

**BID ITEM LIST**  
**01-262004**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
261	860990	CLOSED CIRCUIT TELEVISION SYSTEM	LS	LUMP SUM	LUMP SUM	
262		BLANK				
263	200002	ROADSIDE CLEARING	LS	LUMP SUM	LUMP SUM	
264	999999	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

**TOTAL BID:**

\$ \_\_\_\_\_