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April 11, 2008

03-Sac,Pla-80-28.1/29.0,0.0/4.7
03-367824
NCIPLN-6203(024)
HPLULN-6203(025)

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SACRAMENTO AND PLACER COUNTIES IN AND NEAR CITRUS HEIGHTS AND ROSEVILLE FROM 0.9 KM WEST OF THE SACRAMENTO/PLACER COUNTY LINE TO 0.1 KM EAST OF MINERS RAVINE 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 April 15, 2008.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, and the Proposal and Contract.

On Project Plan Sheet 127, under column heading "450 mm CSP (1.63 mm THICK)" the quantities are moved under column heading "INLET HEIGHT (N)."

On Project Plan Sheet 131, under column heading "450 mm CSP (1.63 mm THICK)" the quantity "14.22 m" is deleted.

On Project Plan Sheet 131, under column heading "450 mm CSP (1.63 mm THICK)" the quantity "21.42 m" is revised to "7.2 m."

On Project Plan Sheet 236, under column heading "CONCRETE BARRIER," subheading "TYPE," the columns "60MOD" and "60A" are deleted.

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On Project Plan Sheet 280, under column heading "CABLE RAILING," the quantities are revised as follows:

CABLE RAILING
m
2
181
54
2
239

On Project Plan Sheet 433, under "QUANTITIES," the quantity for "CONCRETE BARRIER (TYPE 60A MODIFIED)," is revised from "710 m" to "71 m."

In the Special Provisions, Section 5-1.17, "PROJECT INFORMATION," in the second paragraph item "A" is deleted.

In the Special Provisions, Section 5-1.17, "PROJECT INFORMATION," in the third paragraph item "E" is added as follows:

"E. Foundation Recommendation"

In the Special Provisions, Section 10-1.40, "EXISTING HIGHWAY FACILITIES," subsection "BRIDGE REMOVAL," the third and fourth paragraphs are replaced with the following paragraphs:

"Removal of the existing Type 1 Retaining Wall and footing to the limits shown on the plans, shall be staged in accordance with the construction of the new retaining wall, as shown on the plans, at the following location:

Location A
 RETAINING WALL -31W
 (Bridge No. 19E-0004)

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Removal of the concrete barriers, bridge overhang, portions of the abutment, wingwalls and other miscellaneous items shown on the bridge plans will be at the following location:

Location B
LINDA CREEK BRIDGE (WIDEN)
(Bridge No. 19-0027)

Removal of the concrete barrier and abutment expansion dam will be at the following location:

Location C
MINERS RAVINE BRIDGE
(Bridge No. 19-0056)"

In the Special Provisions, Section 10-1.74, "ARCHITECTURAL SURFACE (DRY STACK TEXTURED CONCRETE)" is revised as attached.

In the Special Provisions, Section 10-1.915, "SLOPE PAVING (COBBLESTONE)," is added as attached.

In the Proposal and Contract, the Engineer's Estimate Items 153, 165 and 183 are revised and Items 190, 195 and 217 are deleted as attached.

To Proposal and Contract book holders:

Replace pages 12, 13, 14 and 15 of the Engineer's Estimate in the Proposal with the attached revised pages 12, 13, 14 and 15 of the Engineer's Estimate. The revised Engineer's Estimate 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 CONTRACTORS section of the Notice to Contractors 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 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.

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This office is sending this addendum by confirmed facsimile to all book holders to ensure that each receives it. A copy of this addendum is available for the contractor's use on the Internet Site:

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

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

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

Attachments

10-1.74 ARCHITECTURAL SURFACE (DRY STACK TEXTURED CONCRETE)

Architectural texture for concrete surfaces shall conform to the details shown on the plans and the provisions in Section 51, "Concrete Structures," of the Standard Specifications and these special provisions.

Architectural textures listed below are required at concrete surfaces shown on the plans:

A. Dry Stack Rock Texture

REFEREE SAMPLE

The referee sample for the architectural texture shall match the texture, color and pattern of the existing dry stack rock textured walls located at the Sunrise Avenue – E80 On-Ramp Tunnel, Bridge Number 19-0006 Route 80, Placer County, Kilometer Post 3.54.

TEST PANEL

A test panel at least 1.25 m x 1.25 m in size shall be successfully completed at a location approved by the Engineer before beginning work on architectural textures. The test panel shall be constructed and finished with the materials, tools, equipment and methods to be used in constructing the architectural texture. If ordered by the Engineer, additional test panels shall be constructed and finished until the specified finish, texture and color are obtained, as determined by the Engineer.

The test panel approved by the Engineer shall be used as the standard of comparison in determining acceptability of architectural texture and painting for concrete surfaces.

The Contractor shall submit to the Engineer, not less than one week prior to initial application of the concrete coating to the test panel, a copy of the manufacturer's recommendations and written application instructions for form liners and painting materials.

FORM LINERS

Form liners shall be used for textured concrete surfaces and shall be installed in conformance with the manufacturer's recommendations, unless other methods of forming textured concrete surfaces are approved by the Engineer. Form liners shall be manufactured from an elastomeric material or a semi-elastomeric polyurethane material by a manufacturer of commercially available concrete form liners. No substitution of other types of formliner material will be allowed. Form liners shall leave crisp, sharp definition of the architectural surface. Recurring textural configurations exhibited by repeating, recognizable shadow patterns shall be prevented by proper casting of form liner patterns. Textured concrete surfaces with such recurring textural configurations shall be reworked to remove such patterns as approved by the Engineer or the concrete shall be replaced.

Form liners shall have the following properties:

Description	ASTM Designation:	Range
Elastomeric material		
Shore A hardness	D 2240	20 to 65
Tensile strength (MPa)	D 412	0.9 to 6.2
Semi-elastomeric polyurethane		
Shore D hardness	D 2240	55 to 65
Tensile strength (MPa)	D 2370	18 minimum

Cuts and tears in form liners shall be sealed and repaired in conformance with the manufacturer's recommendations. Form liners that are delaminated from the form shall not be used. Form liners with deformations to the manufactured surface caused by improper storage practices or any other reason shall not be used.

Form liners shall extend the full length of texturing with transverse joints at 2.5 m minimum spacing. Small pieces of form liners shall not be used. Grooves shall be aligned straight and true. Grooves shall match at joints between form liners. Joints in the direction of grooves in grooved patterns shall be located only in the depressed portion of the textured concrete. Adjoining liners shall be butted together without distortion, open cracks or offsets at the joints. Joints between liners shall be cleaned before each use to remove any mortar in the joint.

Adhesives shall be compatible with the form liner material and with concrete. Adhesives shall be approved by the liner manufacturer. Adhesives shall not cause swelling of the liner material.

RELEASING FORM LINERS

Products and application procedures for form release agents shall be approved by the form liner manufacturer. Release agents shall not cause swelling of the liner material or delamination from the forms. Release agents shall not stain the concrete or react with the liner material. For reliefs simulating fractured concrete or wood grain surfaces the application method shall include the scrubbing method using a natural bristle scrub brush in the direction of grooves or grain. The release agent shall coat the liner with a thin film. Following application of form release agent, the liner surfaces shall be cleaned of excess amounts of agent using compressed air. Buildup of form release agent caused by the reuse of a liner shall be removed at least every 5 uses.

Form liners shall release without leaving particles or pieces of liner material on the concrete and without pulling or breaking concrete from the textured surface. The concrete surfaces exposed by removing forms shall be protected from damage.

CURING

Concrete surfaces with architectural texture shall be cured only by the forms-in-place or water methods. Seals and curing compounds shall not be used.

PREPARE AND PAINT CONCRETE SURFACES

This work shall consist of preparing and painting architectural surfaces (dry stack rock concrete texture), where shown on the plans, and in conformance with these special provisions.

Materials

The paint shall be a light-stable, alkali-resistant, acrylic latex or acrylic latex copolymer emulsion, commercially manufactured for use as an exterior concrete coating. The paint shall conform to the provisions in Section 91-4.05, "Paint: Acrylic Emulsion, Exterior White and Light and Medium Tints," of the Standard Specifications.

The colors shall match the referee sample listed above.

The Contractor shall submit to the Engineer, not less than one week prior to initial application of the concrete coating, a copy of the manufacturer's recommendations and written application instructions.

Surface Preparation

Concrete surfaces to be painted shall be prepared in conformance with the requirements of SSPC-SP 13, "Surface Preparation of Concrete," of the Structural Steel Painting Council. After concrete surface preparation is complete, the Contractor shall clean all concrete surfaces to be painted by water rinsing as defined in Section 59-1.03, "Application," of the Standard Specifications.

Painting Concrete

The coating shall be applied per the manufacturer's recommendations and in conformance with the requirements of SSPC-SP 11, "Guide for Coating Concrete," of the Structural Steel Painting Council.

Any damaged areas shall be repaired in the same manner as the original surface preparation and paint application.

MEASUREMENT AND PAYMENT

Architectural texture will be measured and paid for by the square meter.

The contract price paid per square meter for architectural treatment (Dry Stack) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in architectural treatment and texture work, complete in place, including test panels, preparing and painting concrete surfaces as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

10-1.915 SLOPE PAVING (COBBLESTONE)

Slopes where shown on plans shall be paved with slope paving (cobblestone) in accordance with the details shown on the plans and in conformance with the provisions in Section 72-6, "Slope Paving," of the Standard Specifications and these special provisions.

MATERIALS

Rock for the slope paving (rock cobblestone) shall be clean, smooth rock obtained from a single source. Rock shall match the color of the slope paving (cobblestone) located at the I-80 / Greenback Lane-Elkhorn Boulevard Overcrossing, Bridge Number 24-0128, Sacramento County Kilometer Post 23.25.

Rock for the slope paving (cobblestone) shall conform to the following grading:

Screen Size (Millimeters)	Percentage Passing (By Mass)
175	100
150	80-100
125	0-20

Flat or needle shapes will not be accepted unless the thickness of the individual pieces is greater than 1/3 the length. The Contractor shall submit a sample of the rock for approval by the Engineer a minimum of 15 working days prior to delivery of the rock to the project site.

Mortar shall conform to the provisions in Section 51-1.135, "Mortar," of the Standard Specification and these special provisions.

The cobblestones shall be placed on a setting bed of mortar. The cement mortar bedding shall conform to the following:

- A. Portland cement shall conform to the requirements in Section 90-2.01, "Cement" of the Standard Specifications.
- B. Hydrated lime shall conform to ASTM Designation: C 207, Type S.
- C. Mortar sand shall be commercially produced for masonry work and free of organic impurities and lumps of clay and shale.
- D. Mortar shall consist by volume, of one part portland cement, 0 to ½ parts of hydrated lime, and 2 ¼ to 3 parts of mortar sand. Sufficient water shall be added to make a workable mortar. Each batch of mortar shall be accurately measured and thoroughly mixed. Mortar shall be freshly mixed as required. Mortar shall not be retempered more than one hour after mixing. The amount of lime shall be reduced as necessary to prevent leaching and efflorescence on finished surfaces.
- E. A proprietary, premixed packaged blend of cement, lime, and sand, without color, that requires only water to prepare for use as brick mortar or grout may be furnished for identification. The manufacturers recommended mixing proportions and procedures shall be furnished to the Engineer.

SITE PREPARATION

Prior to beginning slope paving (cobblestone) work, areas to receive the slope paving (cobblestone) shall be cleared in conformance with the provisions in "Clearing and Grubbing" of these special provisions.

Areas to receive slope paving (cobblestone) shall be cleared of trash and debris. Weeds shall be removed to the ground level. Cleared trash, debris and removed weeds shall be 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.

PLACEMENT

The mortar or concrete base shall be cured by the water method for at least 2 days.

Cobblestones shall be laid and embedded in a mortar setting bed approximately 75 mm thick. Embedment shall be shoved tight so that mortar is flushed into the joints to a depth of approximately 25 mm.

Space remaining between placed cobbles shall not exceed 40 mm, unless otherwise approved by the Engineer.

Loose rocks, or rock with a gap greater than 19 mm, measured from the edge of the rock to the surrounding concrete bedding shall be reset at the Contractor's expense by methods determined by the Engineer.

After completion of placing cobblestones on the mortar bed, no workman or load shall be permitted on the surface for a period of at least 24 hours, and longer if ordered by the Engineer.

Placement of slope paving shall be scheduled so that the work, including placement, finishing and application of curing, is completed in any section bounded by permissible construction joints on the same day that the work is started in that section

Placing of concrete after cobblestones have been set and cleaning of cobble stone surface shall conform to the requirements of Section 72-5.04, "Placing Concrete," of the Standard Specifications, except that the minimum penetration of concrete shall be 100 mm.

Rock shall be placed on the while concrete is still plastic, and spaced a maximum of 191 mm apart. The Contractor shall remove concrete adhering to the exposed surfaces of the rock. Loose rocks, or rock with a gap greater than 19 mm, measured from the edge of the rock to the surrounding concrete bedding shall be reset at the Contractor's expense by methods determined by the Engineer.

TEST PANEL

A test panel at least 1.25 m x 1.75 m in size shall be successfully completed at a location approved by the Engineer before beginning work on permanent slope paving. The test panel shall be constructed and finished with the materials, tools, equipment and methods to be used in constructing the permanent slope paving. If ordered by the Engineer, additional test panels shall be constructed and finished until a panel is produced which conforms to the requirements herein before constructing permanent slope paving, as determined by the Engineer.

The test panel approved by the Engineer shall be used as the standard of comparison in determining acceptability of permanent slope paving.

MEASUREMENT AND PAYMENT

Slope paving (cobblestone) will be measured by the square meter as determined from actual measurements made parallel to the ground slope.

The contract price paid per square meter for slope paving (cobblestone) shall include full compensation for furnishing all labor, materials, (including river rock cobble stones, bar reinforcing steel, reinforcing steel anchors and welded wire fabric), tools, equipment, and incidentals, test panels, and for doing all the work involved in placing slope paving (cobblestone), complete in place, (including excavation and backfill) as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

ENGINEER'S ESTIMATE
03-367824

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141	013190	ROADSIDE SIGN (BARRIER MOUNTED)	EA	10		
142	013191	ROADSIDE SIGN (TYPE 736A, BARRIER MOUNTED)	KG	160		
143	566011	ROADSIDE SIGN - ONE POST	EA	21		
144	566012	ROADSIDE SIGN - TWO POST	EA	11		
145	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	17		
146 (S)	568007	INSTALL SIGN OVERLAY	EA	1		
147	568016	INSTALL SIGN PANEL ON EXISTING FRAME	M2	47		
148	620909	450 MM ALTERNATIVE PIPE CULVERT	M	1720		
149	620913	600 MM ALTERNATIVE PIPE CULVERT	M	1650		
150	620919	750 MM ALTERNATIVE PIPE CULVERT	M	130		
151	620924	900 MM ALTERNATIVE PIPE CULVERT	M	0.7		
152	650075	600 MM REINFORCED CONCRETE PIPE	M	12		
153	664014	450 MM CORRUGATED STEEL PIPE (1.63 MM THICK)	M	7.2		
154	664019	600 MM CORRUGATED STEEL PIPE (1.63 MM THICK)	M	2.1		
155	700617	DRAINAGE INLET MARKER	EA	101		
156	013192	1100 MM CORRUGATED STEEL PIPE INLET (1.63 MM THICK)	M	4		
157	703233	GRATED LINE DRAIN	M	490		
158	705336	450 MM ALTERNATIVE FLARED END SECTION	EA	4		
159	705337	600 MM ALTERNATIVE FLARED END SECTION	EA	2		
160	705338	750 MM ALTERNATIVE FLARED END SECTION	EA	2		

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161	719598	CLASS 4 CONCRETE (BACKFILL)	M3	230		
162	721008	ROCK SLOPE PROTECTION (LIGHT, METHOD B)	M3	25		
163	721010	ROCK SLOPE PROTECTION (BACKING NO. 1, METHOD B)	M3	18		
164	721024	ROCK SLOPE PROTECTION (1/4T, METHOD B)	M3	13		
165 (F)	041245	SLOPE PAVING (COBBLESTONE)	M2	1074		
166 (F)	721810	SLOPE PAVING (CONCRETE)	M3	223		
167	729010	ROCK SLOPE PROTECTION FABRIC	M2	200		
168	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	M3	140		
169 (F)	731517	MINOR CONCRETE (GUTTER)	M	869		
170	731530	MINOR CONCRETE (TEXTURED PAVING)	M2	1460		
171 (S-F)	750001	MISCELLANEOUS IRON AND STEEL	KG	19 830		
172 (S)	800008	FENCE (TYPE BW, 4-STRAND, METAL POST)	M	47		
173 (S)	800391	CHAIN LINK FENCE (TYPE CL-1.8)	M	1400		
174 (S)	802584	0.9 M CHAIN LINK GATE (TYPE CL-1.8)	EA	1		
175	013193	CONCRETE BARRIER DELINEATOR (400 MM)	EA	4		
176	820107	DELINEATOR (CLASS 1)	EA	91		
177 (S)	013194	DELINEATOR (CLASS 1, SURFACE MOUNTED)	EA	6		
178	013195	HIGHWAY POST MARKER	EA	24		
179	820151	OBJECT MARKER (TYPE L-1)	EA	12		
180 (S)	832003	METAL BEAM GUARD RAILING (WOOD POST)	M	1410		

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181	832070	VEGETATION CONTROL (MINOR CONCRETE)	M2	1880		
182 (F)	833125	CONCRETE BARRIER (TYPE 25)	M	63		
183 (F)	839521	CABLE RAILING	M	841		
184 (S)	839541	TRANSITION RAILING (TYPE WB)	EA	12		
185 (S)	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	6		
186 (S)	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	5		
187 (S)	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	9		
188 (S)	839591	CRASH CUSHION, SAND FILLED	EA	1		
189	839701	CONCRETE BARRIER (TYPE 60)	M	2480		
190	BLANK					
191	839703	CONCRETE BARRIER (TYPE 60C)	M	720		
192	041246	CONCRETE BARRIER (TYPE 60A MODIFIED)	M	122		
193 (F)	839704	CONCRETE BARRIER (TYPE 60D)	M	1132		
194	839705	CONCRETE BARRIER (TYPE 60E)	M	320		
195	BLANK					
196 (F)	839717	CONCRETE BARRIER (TYPE 732 MODIFIED)	M	63		
197	839726	CONCRETE BARRIER (TYPE 736A)	M	810		
198	013197	CONCRETE BARRIER (TYPE 736A MODIFIED)	M	180		
199	839731	CONCRETE BARRIER (TYPE 736B)	M	350		
200 (S)	840515	THERMOPLASTIC PAVEMENT MARKING	M2	180		

ENGINEER'S ESTIMATE
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
201 (S)	840561	100 MM THERMOPLASTIC TRAFFIC STRIPE	M	27 100		
202 (S)	840563	200 MM THERMOPLASTIC TRAFFIC STRIPE	M	3070		
203 (S)	840564	200 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 3.66 M - 0.92 M)	M	2190		
204 (S)	840570	100 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 10.98 M - 3.66 M)	M	41 000		
205 (S)	840571	100 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 5.18 M - 2.14 M)	M	1520		
206 (S)	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	4850		
207 (S)	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
208 (S)	860400	LIGHTING (TEMPORARY)	LS	LUMP SUM	LUMP SUM	
209 (S)	860530	CHANGEABLE MESSAGE SIGN SYSTEM	LS	LUMP SUM	LUMP SUM	
210 (S)	860890	MODIFY TRAFFIC MONITORING STATION (COUNT)	LS	LUMP SUM	LUMP SUM	
211 (S)	860930	TRAFFIC MONITORING STATION	LS	LUMP SUM	LUMP SUM	
212 (S)	013198	GPRS MODEM AND ACCESSORIES	EA	2		
213 (S)	861088	MODIFY RAMP METERING SYSTEM	LS	LUMP SUM	LUMP SUM	
214 (S)	861504	MODIFY LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
215 (S)	013199	FIBER OPTIC SYSTEM	LS	LUMP SUM	LUMP SUM	
216 (S)	869080	TRAINING	LS	LUMP SUM	LUMP SUM	
217 (S)	BLANK					
218	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____