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**DIVISION OF ENGINEERING SERVICES**  
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January 18, 2007

07-LA-60-18.9/37.5  
07-1294V4  
ACNH-P060(130)E  
CMLN-6207(040)E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in LOS ANGELES COUNTY AT HACIENDA HEIGHTS AND ROWLAND HEIGHTS IN THE CITY OF INDUSTRY AND DIAMOND BAR FROM 0.1 KM EAST OF 605/60 SEPARATION TO 0.1 KM WEST OF 57/60 SEPARATION.

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 January 25, 2007.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, the Proposal and Contract, and the Federal Minimum Wages with Modification Number 41 dated 1-5-07.

Project Plan Sheets 315, 339, 340, 361, 362, 363, 380, 753, 754, 755, 805, 849, 854, 855, 859, 860, 862, 878, 879, 880, and 948 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 880A, 910A, 910B, 910C, 910D, 910E, 910F, 910G, 910H, 947A, 947B, 947C, 947D, 947E, 947F, 947G, 947H are added. Half-sized 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 items of the second paragraph:

"I. LED modules for Ramp Metering Signal Heads."

In the Special Provisions, Section 10-1.33, "EROSION CONTROL (TYPE D)," subsection "APPLICATION," is revised as attached.

In the Special Provisions, Section 10-2.01, "GENERAL," subsection "COST BREAK-DOWN," the Tables of "HIGHWAY PLANTING COST BREAK-DOWN" and "IRRIGATION SYSTEM COST BREAK-DOWN" of the last paragraph are revised as attached.

Addendum No. 2  
Page 2  
January 18, 2007

07-LA-60-18.9/37.5  
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CMLN-6207(040)E

In the Special Provisions, Section 10-2.05, "IRRIGATION SYSTEMS," subsection "PIPE AND CONDUIT ANCHORS" is added as attached.

In the Proposal and Contract, the Engineer's Estimate Items 62, 63, 88, 133, 139 176, 200, are revised and Item 201 is deleted as attached.

To Proposal and Contract book holders:

Replace pages 6, 7, 9, 11, 12 and 13 of the Engineer's Estimate in the Proposal with the attached revised pages 6, 7, 9, 11, 12 and 13 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.

This office is sending this addendum by DHL overnight mail to Proposal and Contract book holders to ensure that each receives it. A copy of this addendum and the modified wage rates are available for the contractor's use on the Internet Site:

**[http://www.dot.ca.gov/hq/esc/oe/weekly\\_ads/addendum\\_page.html](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

## APPLICATION

Erosion control materials shall be applied in separate applications in the following sequence:

- A. Thirty millimeters of compost shall be dry applied, spread, and incorporated within Type I non-legume seed mix to bio swale areas.
- B. Type I non-legume seed mix shall be applied by a dry method to areas as shown on the plans. Type I non-legume seed mix shall not be applied with hydroseeding equipment. Seed and compost shall be applied as shown in the following tables:

TYPE I

Material	Kilograms Per Hectare (Slope Measurement)
Non-Legume Seed	36.7

TYPE I

Material	Cubic Meter Per Hectare (Slope Measurement)
Compost	256.0

- C. The Contractor may dry apply compost Type I at the total rate given in the table above to areas shown on the plans. Compost shall be spread to a depth of 10 mm. After dry applying compost, enough water shall be applied to hold seed and compost in place. In areas where the compost is dry applied, all compost for that area shall be applied before the next operation.
- D. The following mixture in the rates indicated shall be applied with hydro-seeding equipment to other areas and to areas designated by the Engineer within 60 minutes after seed has been applied to the mixture:

TYPE II

Material	Kilograms Per Hectare (Slope Measurement)
Non-Legume Seed	25.0
Fiber	2,270
Stabilizing Emulsion (Solids)	170

TYPE II

Material	Cubic Meter Per Hectare (Slope Measurement)
Compost	10.0

The ratio of total water to total stabilizing emulsion in the mixture shall be as recommended by the manufacturer. The rates of erosion control materials may be changed by the Engineer to meet field conditions.

**HIGHWAY PLANTING COST BREAK-DOWN**

**Contract No. 07-1294V4**

UNIT DESCRIPTION	UNIT	APPROXIMATE QUANTITY	VALUE	AMOUNT
ROADSIDE CLEARING	LS	LUMP SUM		
PLANT (GROUP A)	EA	8,346		
PLANT (GROUP B)	EA	1,461		
PLANT (GROUP U)	EA	950		
MULCH (BASIN)	M3	636		
COMMERCIAL FERTILIZER (SLOW RELEASE)	KG	1,345		
PLANT (GROUP H)	EA	175,148		

**TOTAL** \_\_\_\_\_

**IRRIGATION SYSTEM COST BREAK-DOWN**

**Contract No. 07-1294V4**

UNIT DESCRIPTION	UNIT	APPROXIMATE QUANTITY	VALUE	AMOUNT
TEMPORARY IRRIGATION SYSTEM	LS	LUMP SUM		
CHECK, TEST, EXISTING IRRIGATION FACILITIES	LS	LUMP SUM		
REMOVE EXISTING IRRIGATION FACILITIES	LS	LUMP SUM		
RELOCATE EXISTING IRRIGATION FACILITIES	LS	LUMP SUM		
RELOCATE AND RECONSTRUCT BOOSTER PUMP	LS	LUMP SUM		
CONTROL AND NEUTRAL CONDUCTORS	LS	LUMP SUM		
INSTALL RECLAIMED WATER WARNING SIGNS	LS	LUMP SUM		
12 STATION SOLAR IRRIGATION CONTROLLER	EA	2		
20 STATION SOLAR IRRIGATION CONTROLLER	EA	1		
24 STATION SOLAR IRRIGATION CONTROLLER	EA	1		
12 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	EA	6		
16 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	EA	5		
24 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	EA	1		
36 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	EA	1		
25 REMOTE CONTROL VALVE	EA	128		
40 REMOTE CONTROL VALVE	EA	55		
50 REMOTE CONTROL VALVE	EA	12		
65 REMOTE CONTROL VALVE	EA	1		

UNIT DESCRIPTION	UNIT	APPROXIMATE QUANTITY	VALUE	AMOUNT
75 REMOTE CONTROL VALVE	EA	3		
25 MM BALL VALVE	EA	1		
40 MM BALL VALVE	EA	33		
50 MM BALL VALVE	EA	29		
40 MM GATE VALVE	EA	3		
50 MM GATE VALVE	EA	14		
65 MM GATE VALVE	EA	5		
75 MM GATE VALVE	EA	9		
20 MM PLASTIC PIPE (PR 200)	M	17,230		
25 MM PLASTIC PIPE (PR 200)	M	7,902		
32 MM PLASTIC PIPE (PR 200)	M	5,583		
40 MM PLASTIC PIPE (PR 200)	M	5,025		
50 MM PLASTIC PIPE (PR 200)	M	5,954		
65 MM PLASTIC PIPE (PR 200)	M	1,420		
75 MM PLASTIC PIPE (PR 200)	M	3,500		
50 MM GALVANIZED STEEL PIPE	M	225		
65 MM GALVANIZED STEEL PIPE	M	55		
75 MM GALVANIZED STEEL PIPE	M	50		
SPRINKLER A-5	EA	905		
SPRINKLER B-3	EA	28		
SPRINKLER C-2	EA	6,222		
50 MM BACKFLOW PREVENTER ASSEMBLIES	EA	2		

UNIT DESCRIPTION	UNIT	APPROXIMATE QUANTITY	VALUE	AMOUNT
BACKFLOW PREVENTER ASSEMBLY ENCLOSURE	EA	2		
IRRIGATION CONTROLLER ENCLOSURE CABINET (SINGLE)	EA	8		
IRRIGATION CONTROLLER ENCLOSURE CABINET (DOUBLE)	EA	2		

**TOTAL** \_\_\_\_\_

## **PIPE AND CONDUIT ANCHORS**

Anchors used to attach galvanized steel pipe supply lines and sprinkler control conduits (electrical conduits) to the exterior surfaces of concrete structures and walls shall consist of metal straps and anchoring devices. Metal straps shall be made of steel and shall be fabricated to the details and dimensions shown on the plans. Anchoring devices shall consist of resin capsule anchor bolts or mechanical expansion stud anchors. Anchors shall conform to the provisions in Section 75-1.03, "Miscellaneous Bridge Metal," of the Standard Specifications.

Holes for anchorage devices shall conform to the following:

- A. Holes shall not be drilled closer than 150 mm to the edge of a concrete structure.
- B. Holes shall be drilled with drills approved by the Engineer.
- C. Holes shall be relocated if reinforcing steel is encountered. Abandoned holes shall be filled with portland cement concrete mortar conforming to the provisions in Section 51-1.135, "Mortar," of the Standard Specifications.
- D. Holes shall be drilled to a minimum depth of 8 times the diameter of the anchor bolt or stud anchor.

Full compensation for installing anchors and for attaching galvanized steel pipe supply lines and sprinkler control conduits to exterior surfaces shall be considered as included in the contract lump sum price paid for control and neutral conductors and no additional compensation will be allowed therefor.

**ENGINEER'S ESTIMATE  
07-1294V4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	190101	ROADWAY EXCAVATION	M3	115 000		
62	190106	ROADWAY EXCAVATION (TYPE Z-3) (AERIALY DEPOSITED LEAD)	M3	1560		
63	190108	ROADWAY EXCAVATION (TYPE Y-2) (AERIALY DEPOSITED LEAD)	M3	14 300		
64	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
65 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	1171		
66 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	27 625		
67 (F)	192052	STRUCTURE EXCAVATION (TYPE Z-1) (AERIALY DEPOSITED LEAD)	M3	85		
68 (F)	192053	STRUCTURE EXCAVATION (TYPE Z-2) (AERIALY DEPOSITED LEAD)	M3	493		
69 (F)	192054	STRUCTURE EXCAVATION (TYPE Z-3) (AERIALY DEPOSITED LEAD)	M3	3638		
70 (F)	192058	STRUCTURE EXCAVATION (TYPE Y-2) (AERIALY DEPOSITED LEAD)	M3	10 314		
71 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	M3	961		
72 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	M3	30 183		
73 (F)	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	M3	596		
74	193114	SAND BACKFILL	M3	70		
75	194001	DITCH EXCAVATION	M3	950		
76 (S)	200001	HIGHWAY PLANTING	LS	LUMP SUM	LUMP SUM	
77 (S)	202011	MULCH	M3	9740		
78 (S)	203014	FIBER (EROSION CONTROL)	KG	5450		
79 (S)	203024	COMPOST (EROSION CONTROL)	M3	300		
80 (S)	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	16		

**ENGINEER'S ESTIMATE  
07-1294V4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81 (S)	203045	PURE LIVE SEED (EROSION CONTROL)	KG	90		
82 (S)	203061	STABILIZING EMULSION (EROSION CONTROL)	KG	410		
83 (S)	204096	MAINTAIN EXISTING PLANTED AREAS	LS	LUMP SUM	LUMP SUM	
84 (S)	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
85 (S)	206401	MAINTAIN EXISTING IRRIGATION FACILITIES	LS	LUMP SUM	LUMP SUM	
86 (S)	208000	IRRIGATION SYSTEM	LS	LUMP SUM	LUMP SUM	
87	208038	NPS 3 SUPPLY LINE (BRIDGE)	M	320		
88 (S)	208798	200 MM WELDED STEEL PIPE CONDUIT (6.35 MM THICK)	M	380		
89 (S)	208909	EXTEND 200 MM CONDUIT	M	2		
90 (S)	208910	EXTEND 250 MM CONDUIT	M	3		
91	260210	AGGREGATE BASE (APPROACH SLAB)	M3	35		
92	260301	CLASS 3 AGGREGATE BASE	M3	43 900		
93	280000	LEAN CONCRETE BASE	M3	28 500		
94	390103	ASPHALT CONCRETE (TYPE B)	TONN	25 500		
95	394002	PLACE ASPHALT CONCRETE (MISCELLANEOUS AREA)	M2	4070		
96	394040	PLACE ASPHALT CONCRETE DIKE (TYPE A)	M	2510		
97	394044	PLACE ASPHALT CONCRETE DIKE (TYPE C)	M	570		
98	394048	PLACE ASPHALT CONCRETE DIKE (TYPE E)	M	1490		
99	394049	PLACE ASPHALT CONCRETE DIKE (TYPE F)	M	6300		
100	401000	CONCRETE PAVEMENT	M3	57 000		

**ENGINEER'S ESTIMATE  
07-1294V4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121 (F)	510524	MINOR CONCRETE (SOUND WALL)	M3	216.5		
122 (F)	510526	MINOR CONCRETE (BACKFILL)	M3	46		
123	510800	PAVING NOTCH EXTENSION	M3	8.7		
124	511064	FRACTURED RIB TEXTURE	M2	940		
125	511106	DRILL AND BOND DOWEL	M	552		
126	511109	DRILL AND BOND DOWEL (EPOXY CARTRIDGE)	EA	344		
127	511118	CLEAN EXPANSION JOINT	M	625		
128 (F)	515020	REFINISH BRIDGE DECK	M2	43		
129 (S)	515072	CORE CONCRETE (0 - 50 MM)	M	332		
130 (S)	515073	CORE CONCRETE (51 MM - 100 MM)	M	10		
131 (S)	515074	CORE CONCRETE (101 MM - 150 MM)	M	2		
132 (S)	515075	CORE CONCRETE (151 MM - 200 MM)	M	6.5		
133 (S-F)	518002	SOUND WALL (MASONRY BLOCK)	M2	35 329		
134 (S)	519117	JOINT SEAL (MR 30 MM)	M	44		
135 (S)	519120	JOINT SEAL (MR 15 MM)	M	458.5		
136 (S)	519142	JOINT SEAL (MR 40 MM)	M	181		
137 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	382 320		
138 (S-F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	653 380		
139 (S)	520107	BAR REINFORCING STEEL (BOX CULVERT)	KG	4070		
140 (S-F)	520120	HEADED BAR REINFORCEMENT	EA	1066		

**ENGINEER'S ESTIMATE  
07-1294V4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161	650081	1050 MM REINFORCED CONCRETE PIPE	M	3		
162	655574	JACKED 600 MM REINFORCED CONCRETE PIPE (CLASS V)	M	24		
163	655578	JACKED 1200 MM REINFORCED CONCRETE PIPE (CLASS V)	M	59		
164	664015	450 MM CORRUGATED STEEL PIPE (2.01 MM THICK)	M	190		
165	664020	600 MM CORRUGATED STEEL PIPE (2.01 MM THICK)	M	20		
166	665733	450 MM SLOTTED CORRUGATED STEEL PIPE (2.01 MM THICK)	M	3130		
167	690160	300 MM CORRUGATED STEEL PIPE DOWNDRAIN (2.01 MM THICK)	M	80		
168	690166	450 MM CORRUGATED STEEL PIPE DOWNDRAIN (2.01 MM THICK)	M	40		
169	692088	300 MM ENTRANCE TAPER	EA	12		
170	703233	GRATED LINE DRAIN	M	120		
171	705042	300 MM STEEL FLARED END SECTION	EA	16		
172	705044	450 MM STEEL FLARED END SECTION	EA	27		
173	721009	ROCK SLOPE PROTECTION (FACING, METHOD B)	M3	90		
174	727901	MINOR CONCRETE (DITCH LINING)	M3	2		
175	731504	MINOR CONCRETE (CURB AND GUTTER)	M3	130		
176 (S-F)	750001	MISCELLANEOUS IRON AND STEEL	KG	43 205		
177 (S-F)	750501	MISCELLANEOUS METAL (BRIDGE)	KG	1503		
178 (S)	800391	CHAIN LINK FENCE (TYPE CL-1.8)	M	580		
179 (S)	802585	1.2 M CHAIN LINK GATE (TYPE CL-1.8)	EA	5		
180	820180	INSTALL MEDIAN MILEAGE PANEL	EA	120		

**ENGINEER'S ESTIMATE  
07-1294V4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181 (S)	832001	METAL BEAM GUARD RAILING	M	6670		
182	839521	CABLE RAILING	M	436.1		
183 (S)	839541	TRANSITION RAILING (TYPE WB)	EA	27		
184 (S)	839568	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	EA	34		
185 (S)	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	10		
186 (S)	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	28		
187 (S)	839605	CRASH CUSHION (REACT 9SCBS)	EA	1		
188	839701	CONCRETE BARRIER (TYPE 60)	M	390		
189	839704	CONCRETE BARRIER (TYPE 60D)	M	310		
190	839706	CONCRETE BARRIER (TYPE 60G)	M	15 500		
191	040364	CONCRETE BARRIER (TYPE 60GA MODIFIED)	M	611.5		
192	839708	CONCRETE BARRIER (TYPE 60GC)	M	430		
193	040365	CONCRETE BARRIER (TYPE 60GE MODIFIED)	M	32		
194	039379	CONCRETE BARRIER (TYPE 60GR)	M	380		
195	039380	CONCRETE BARRIER (TYPE 60R)	M	90		
196	040366	CONCRETE BARRIER (TYPE 736A MODIFIED)	M	3204		
197	839726	CONCRETE BARRIER (TYPE 736A)	M	510		
198 (F)	839727	CONCRETE BARRIER (TYPE 736 MODIFIED)	M	374		
199 (F)	040367	CONCRETE BARRIER (TYPE 736S MODIFIED)	M	80		
200	839734	CONCRETE BARRIER (TYPE 736SV)	M	6650		

**ENGINEER'S ESTIMATE  
07-1294V4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
201	BLANK					
202 (F)	040378	CONCRETE BARRIER (TYPE 736SV MODIFIED)	M	13		
203 (S)	840515	THERMOPLASTIC PAVEMENT MARKING	M2	1110		
204 (S)	840561	100 MM THERMOPLASTIC TRAFFIC STRIPE	M	164 000		
205 (S)	840563	200 MM THERMOPLASTIC TRAFFIC STRIPE	M	7900		
206 (S)	840564	200 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 3.66 M - 0.92 M)	M	3210		
207 (S)	840563	200 MM THERMOPLASTIC TRAFFIC STRIPE	M	4480		
208 (S)	840570	100 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 10.98 M - 3.66 M)	M	115 000		
209 (S)	840571	100 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 5.18 M - 2.14 M)	M	2470		
210 (S)	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	31 800		
211 (S)	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	20 900		
212 (S)	860400	LIGHTING (TEMPORARY)	LS	LUMP SUM	LUMP SUM	
213 (S)	860761	LIGHTING CONDUIT (BRIDGE)	LS	LUMP SUM	LUMP SUM	
214 (S)	039382	MODIFY COMMUNICATION SYSTEM ROUTING	LS	LUMP SUM	LUMP SUM	
215 (S)	860797	ELECTRIC SERVICE (IRRIGATION)	LS	LUMP SUM	LUMP SUM	
216 (S)	039383	MODIFY ELECTRIC SERVICE (IRRIGATION)	LS	LUMP SUM	LUMP SUM	
217 (S)	860889	MODIFY TRAFFIC MONITORING STATION	LS	LUMP SUM	LUMP SUM	
218 (S)	039384	MODIFY AUTOMATIC VEHICLE CLASSIFICATION STATION	LS	LUMP SUM	LUMP SUM	
219	861088	MODIFY RAMP METERING SYSTEM	LS	LUMP SUM	LUMP SUM	
220 (S)	861501	MODIFY SIGNAL AND LIGHTING	LS	LUMP SUM	LUMP SUM	