

DEPARTMENT OF TRANSPORTATION

ESC/OE MS #43
1727 30TH Street, 2ND Floor
Sacramento, CA 95816



June 5, 2000

07-LA-14-69.2/R87.7
07-117104
ACNH-P014(052)E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in LOS ANGELES NEAR PALMDALE FROM 1.1 km SOUTH OF ESCONDIDO CANYON ROAD OVERCROSSING TO VINCENT RAMP UNDERCROSSING.

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 June 15, 2000.

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

Project Plan Sheets 2, 3, 5, 6, 8, 102, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 181, 182, 184, 185, 188, 195, 224, 298, 299, 300, and 423 are revised. A half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, and 223 are revised as follows:

In the "DRAINAGE QUANTITIES" table, "REMOVE CONCRETE" is deleted.

In the Special Provisions, Section 10-1.11, "MAINTAINING TRAFFIC," the following sentence is added to the fourteenth paragraph:

"The northbound Route 14 off-ramp at Soledad Canyon Road may be closed for 30 consecutive calendar days."

In the Special Provisions, Section 10-1.21N, "REMOVE CONCRETE," is deleted.

In the Special Provisions, Section 10-1.25, "EROSION CONTROL (TYPE C)," is revised as attached.

In the Special Provisions, Section 10-1.25, "EROSION CONTROL (TYPE D)," is revised as attached.

In the Special Provisions, Section 10-1.31, "CONCRETE PAVEMENT," the third paragraph is revised as follows:

"Transverse weakened plane joints in concrete pavement shall match the spacing of the adjacent existing transverse weakened plane joints and shall be constructed at right angles to the centerline and edge of pavement lanes and shall be constructed as specified in Section 40-1.108B, "Weakened Plane Joints," and Section 40-1.1.08B(1), "Sawing Method," of the Standard Specifications, using a power-driven concrete saw. The insert method shall not be used."

Addendum No. 2
Page 2
June 5, 2000

07-LA-14-69.2/R87.7
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In the Special Provisions, Section 10-1.31, "CONCRETE PAVEMENT," the following paragraphs are added after the fourth paragraph:

"Tie bars and longitudinal joint shall also be installed wherever the width of concrete pavement placed monolithically exceeds 6.5 meters and shall be located approximately equidistant from each edge of new pavement or as directed by the Engineer.

Full compensation for furnishing and installing tie bars, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions shall be considered as included in the contract price paid per cubic meter for concrete pavement and no separate payment will be made therefor."

In the Proposal and Contract, the Engineer's Estimate Items 131 and 144 are revised, Item 145 is added and Items 30 and 57, are deleted as attached.

To Proposal and Contract book holders:

REPLACE THE ENTIRE PAGES 4, 5, 9, AND 10 OF THE ENGINEER'S ESTIMATE IN THE PROPOSAL WITH THE ATTACHED REVISED PAGES 4, 5, 9, AND 10 OF THE ENGINEER'S ESTIMATE. THE REVISED ENGINEER'S ESTIMATE IS TO BE USED IN THE BID.

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 UPS overnight mail to Proposal and Contract book holders to ensure that each receives it.

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

NICK YAMBAO, Chief
Office of Plans, Specifications & Estimates
Division of Office Engineer

Attachments

10-1.25° EROSION CONTROL (TYPE C)

Erosion control (Type C) shall conform to the provisions in Section 20-3, "Erosion Control," of the Standard Specifications and these special provisions.

Erosion control (Type C) work shall consist of incorporating straw and applying seed to embankment slopes in median areas and other areas disturbed by construction activities. Erosion control (Type C) shall not be applied within 1.2 m from edge of shoulders. Erosion control (Type C) shall be applied during the period starting October 15 and ending March 15; or, if the slope on which the erosion control is to be placed is finished during the winter season as specified in "Water Pollution Control" elsewhere in these special provisions, the erosion control shall be applied immediately; or, if the slope on which the erosion control is to be placed is finished outside both specified periods and the contract work will be completed before October 15, the erosion control shall be applied as a last item of work.

Prior to installing erosion control materials, soil surface preparation shall conform to the provisions in Section 19-2.05, "Slopes," of the Standard Specifications, except that rills and gullies exceeding 50 mm in depth or width shall be leveled. Vegetative growth, temporary erosion control materials and other debris shall be removed from areas to receive erosion control.

MATERIALS. Materials shall conform to the provisions in Section 20-2, "Materials," of the Standard Specifications and the following:

SEED. Seed shall conform to the provisions in Section 20 -2.10, "Seed," of the Standard Specifications. Individual seed species shall be measured and mixed in the presence of the Engineer.

LEGUME SEED.

Legume seed shall consist of the following:

LEGUME SEED

Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms pure live seed per hectare (Slope measurement)
Lupinus Bicolor (Pygmy Leafed Lupine)	40	1.0
Lotus Scoparius (Deerweed)	30	2.0

NON-LEGUME SEED. Non-legume seed shall consist of the following:

NON-LEGUME SEED

Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms pure live seed per hectare (Slope measurement)
Artemisia Tridentata (Big Basin Sagebrush)	30	0.3
Chrysothamnus Nauseosus (Rabbit-brush)	30	0.3
Eriogonum Fasciculatum (California Buckwheat)	5	1.0
Eschscholzia Californica (California Poppy)	40	2.0
Madia Elegans (Madia Tarweed)	30	1.7
Nassella Cernua (Nodding Stipa)	40	3.0
Poa Secunda (Pine Bluegrass)	20	2.0
Plantago Insularis (Plantain)	30	6.0
Salvia Mellifera (Black Sage)	20	1.7

Seed shall be delivered to the job site in unopened separate containers with the seed tag attached. Containers without a seed tag will not be accepted.

A sample of approximately 30 g of seed will be taken from each seed container by the Engineer.

STRAW. Straw shall be derived from wheat or barley. Wheat and barley straw shall not be derived from dry farmed cereal crops.

STABILIZING EMULSION. Stabilizing emulsion shall conform to the provisions in Section 20-2.11, "Stabilizing Emulsion," of the Standard Specifications and these special provisions.

The requirement of an effective life of at least one year for stabilizing emulsion shall not apply.

Stabilizing emulsion shall be in a dry powder form, may be reemulsifiable, and shall be a processed organic adhesive used as a soil binder.

COMPOST.--Compost shall be derived from green material consisting of chipped, shredded or ground vegetation or clean processed recycled wood products, or a Class A, exceptional quality biosolids compost, as required by US EPA, 40 CFR, Part 503c regulations, or a combination of green material and biosolids compost. The compost shall be processed or completed to reduce weeds, seeds, pathogens and deleterious material, and shall not contain paint, petroleum products, herbicides, fungicides or other chemical residues that would be harmful to plant or animal life. Other deleterious material such as plastic, glass, metal or rocks shall not exceed 0.1 percent by weight or volume. A minimum internal temperature of 57°C shall be maintained for at least 15 continuous days during the composting process. The compost (erosion control) shall be thoroughly turned a minimum of five times during the composting process and shall go through a minimum 90-days curing period after the 15-day thermophilic compost process has been completed. Compost shall be screened through a minimum 9.9 mm screen.

The moisture content of the compost shall not exceed 35 %. Moisture content shall be determined by California Test 226. Compost products with a higher moisture content may be used provided the weight of the compost is increased to equal compost with a maximum moisture content of 35%.

Compost will be tested for maturity/stability with a Solvita Test Kit. The compost shall be measure a minimum of 7 on the maturity/stability scale.

A Certificate of Compliance for compost shall be furnished to the Engineer in accordance with the provision in Section 6-1.07, "Certificate of Compliance," of the Standard Specifications. Compost will be measured and paid for by the kilogram in the same manner specified for commercial fertilizer in Sections 20-4.09 and 20-4.10 of the Standard Specifications.

APPLICATION. Erosion control materials shall be applied in 4 separate applications in the following sequence:

Straw shall not be required as an application for slopes greater than 1:1.5

Straw shall be applied and incorporated into the soil at the rate of 4.5°tonnes per hectare (slope measurement).

The following mixture in the proportions indicated shall be applied with hydro-seeding equipment within 60 minutes after the seed has been added to the mixture:

Material	Kilograms per hectare (Slope measurement)
Fiber	400
Non-Legume Seed	18.0
Legume Seed	3.0
Compost	1360

A second application of straw shall be applied at the rate of 4.5°tonnes per hectare based on slope measurements. Incorporation of straw will not be required.

The following mixture in the proportions indicated shall be applied with hydro-seeding equipment:

Material	Kilograms per hectare (Slope measurement)
Fiber	510
Compost	2040
Stabilizing emulsion (solids)	170

The proportions of erosion control materials may be changed by the Engineer to meet field conditions.

MEASUREMENT AND PAYMENT. The quantity of pure live seed (erosion control) to be paid for by the kilogram will be determined by multiplying the percentage of purity by the percentage of germination by the marked mass on the sack.

Pure live seed (erosion control) will be paid for by the kilogram in the same manner specified for seed in Section 20-3.07 of the Standard Specifications.

The contract price paid per kilogram for compost (erosion control) shall include full compensation for furnishing all labor, tools, equipment, and incidentals, and for doing all the work involved in compost erosion (control), complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the engineer.

10-1.26° EROSION CONTROL (TYPE D)

Erosion control (Type D) shall conform to the provisions in Section 20-3, "Erosion Control," of the Standard Specifications and these special provisions.

Erosion control (Type D) work shall consist of applying erosion control materials to excavation slopes, between KP 70.6 and KP 76.3 on both embankment and excavation slopes in median areas, and other areas disturbed by construction activities. Erosion control (Type C) shall not be applied within 1.2 m from edge of shoulders. Erosion control (Type D) shall be applied during the period starting October 15 and ending March 15; or, if the slope on which the erosion control is to be placed is finished during the winter season as specified in "Water Pollution Control" elsewhere in these special provisions the erosion control shall be applied immediately; or, if the slope on which the erosion control is to be placed is finished outside both specified periods and the contract work will be completed before October 15, the erosion control shall be applied as a last item of work.

Prior to installing erosion control materials, soil surface preparation shall conform to the provisions in Section 19-2.05, "Slopes," of the Standard Specifications, except that rills and gullies exceeding 50°mm in depth or width shall be leveled. Vegetative growth, temporary erosion control materials and other debris shall be removed from areas to receive erosion control.

MATERIALS. Materials shall conform to Section 20-2, "Materials," of the Standard Specifications and the following:

SEED. Seed shall conform to the provisions in Section 20-2.10, "Seed," of the Standard Specifications. Individual seed species shall be measured and mixed in the presence of the Engineer.

LEGUME SEED. Legume seed shall be pellet-inoculated or industrial-inoculated.

Legume seed shall consist of the following:

LEGUME SEED

Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms pure live seed per hectare (Slope measurement)
Lupinus Bicolor (Pygmy Leafed Lupine)	40	2.0
Lotus Scopparius (Deerweed)	30	3.0

NON-LEGUME SEED. Non-legume seed shall consist of the following:

NON-LEGUME SEED

Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms pure live seed per hectare (Slope measurement)
Artemisia Tridentata (Big Basin Sagebrush)	30	0.3
Chrysothamnus Nauseosus (Rabbit-brush)	30	0.3
Eriogonum Fasciculatum (California Buckwheat)	5	1.0
Eschscholzia Californica (California Poppy)	40	2.0
Nassella Cernua (Nodding Stipa)	40	6.0
Plantago Insularis (Plantain)	30	12.5
Salvia Mellifera (Black Sage)	20	1.7

Seed shall be delivered to the job site in unopened separate containers with the seed tag attached. Containers without a seed tag will not be accepted.

A sample of approximately 30^og of seed will be taken from each seed container by the Engineer.

STRAW. Straw shall be derived from wheat and barley. Wheat and barley straw shall not be derived from dry farmed cereal crops.

STABILIZING EMULSION . Stabilizing emulsion shall conform to the provisions in Section 20-2.11, "Stabilizing Emulsion," of the Standard Specifications and these special provisions.

The requirement of an effective life of at least one year for stabilizing emulsion shall not apply.

Stabilizing emulsion shall be in a dry powder form, may be reemulsifiable, and shall be a processed organic adhesive used as a soil binder.

COMPOST.--Compost shall be derived from green material consisting of chipped, shredded or ground vegetation or clean processed recycled wood products, or a Class A, exceptional quality biosolids compost, as required by US EPA, 40 CFR, Part 503c regulations, or a combination of green material and biosolids compost. The compost shall be processed or completed to reduce weeds, seeds, pathogens and deleterious material, and shall not contain paint, petroleum products, herbicides, fungicides or other chemical residues that would be harmful to plant or animal life. Other deleterious material such as plastic, glass, metal or rocks shall not exceed 0.1 percent by weight or volume. A minimum internal temperature of 57^oC shall be maintained for at least 15 continuous days during the composting process. The compost (erosion control) shall be thoroughly turned a minimum of five times during the composting process and shall go through a minimum 90-days curing period after the 15-day thermophilic compost process has been completed. Compost shall be screened through a minimum 9.9 mm screen.

The moisture content of the compost shall not exceed 35 %. Moisture content shall be determined by California Test 226. Compost products with a higher moisture content may be used provided the weight of the compost is increased to equal compost with a maximum moisture content of 35%.

Compost will be tested for maturity/stability with a Solvita Test Kit. The compost shall be measure a minimum of 7 on the maturity/stability scale.

A Certificate of Compliance for compost shall be furnished to the Engineer in accordance with the provision in Section 6-1.07, "Certificate of Compliance," of the Standard Specifications. Compost will be measured and paid for by the kilogram in the same manner specified for commercial fertilizer in Sections 20-4.09 and 20-4.10 of the Standard Specifications.

APPLICATION. Erosion control materials shall be applied in 3 separate applications in the following sequence:

Straw shall not be required as an application for slopes greater than 1:1.5.

The following mixture in the proportions indicated shall be applied with hydro-seeding equipment within 60 minutes after the seed has been added to the mixture:

Material	Kilograms per hectare (Slope measurement)
Fiber	400
Non-Legume Seed	23.8
Legume Seed	5.0
Compost	1360

Straw shall be applied at the rate of 4.5 tonnes per hectare based on slope measurements. Incorporation of straw will not be required.

The following mixture in the proportions indicated shall be applied with hydro-seeding equipment:

Material	Kilograms per hectare (Slope measurement)
Fiber	510
Compost	2040
Stabilizing emulsion (solids)	170

The ratio of total water to total stabilizing emulsion in the mixture shall be as recommended by the manufacturer.

Once straw work is started in an area, the remaining applications shall be completed in that area on the same working day.

The proportions of erosion control materials may be changed by the Engineer to meet field conditions.

MEASUREMENT AND PAYMENT. The quantity of pure live seed (erosion control) to be paid for by the kilogram will be determined by multiplying the percentage of purity by the percentage of germination by the marked mass on the sack. Pure live seed (erosion control) will be paid for by the kilogram in the same manner specified for seed in Section 20-3.07 of the Standard Specifications.

The contract price paid per kilogram for compost (erosion control) shall include full compensation for furnishing all labor, tools, equipment, and incidentals, and for doing all the work involved in compost erosion (control), complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the engineer.

**ENGINEER'S ESTIMATE
07-117104**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	151272	SALVAGE METAL BEAM GUARD RAILING	M	260		
22	151568	RECONSTRUCT THRIE BEAM BARRIER	M	2230		
23	151570	RECONSTRUCT DOUBLE THRIE BEAM BARRIER	M	630		
24	151572	RECONSTRUCT METAL BEAM GUARD RAILING	M	380		
25	151575	RESET TEMPORARY CRASH CUSHION MODULE	EA	32		
26	152390	RELOCATE ROADSIDE SIGN	EA	2		
27	152394	RELOCATE SIGN STRUCTURE	EA	1		
28	017912	ADJUST INLET TO GRADE	EA	2		
29	152604	MODIFY INLET	EA	9		
30	BLANK					
31	153220	REMOVE CONCRETE (CHANNEL)	M3	170		
32	153221	REMOVE CONCRETE BARRIER	M	1140		
33	155003	CAP INLET	EA	42		
34	157561	BRIDGE REMOVAL (PORTION), LOCATION A	LS	LUMP SUM	LUMP SUM	
35	157562	BRIDGE REMOVAL (PORTION), LOCATION B	LS	LUMP SUM	LUMP SUM	
36	157563	BRIDGE REMOVAL (PORTION), LOCATION C	LS	LUMP SUM	LUMP SUM	
37	157564	BRIDGE REMOVAL (PORTION), LOCATION D	LS	LUMP SUM	LUMP SUM	
38	158210	RESET TEMPORARY RAILING (TYPE K)	M	210		
39	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
40	190101	ROADWAY EXCAVATION	M3	155'000		

**ENGINEER'S ESTIMATE
07-117104**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	1620		
42 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	M3	960		
43	194001	DITCH EXCAVATION	M3	12		
44 (S)	200001	HIGHWAY PLANTING	LS	LUMP SUM	LUMP SUM	
45 (S)	017913	COMPOST (EROSION CONTROL)	KG	57*200		
46 (S)	203003	STRAW (EROSION CONTROL)	TONN	130		
47 (S)	203014	FIBER (EROSION CONTROL)	KG	15*300		
48 (S)	203045	PURE LIVE SEED (EROSION CONTROL)	KG	430		
49 (S)	203061	STABILIZING EMULSION (EROSION CONTROL)	KG	2860		
50 (S)	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
51	260210	AGGREGATE BASE (APPROACH SLAB)	M3	53		
52	260301	CLASS 3 AGGREGATE BASE	M3	61*000		
53	280000	LEAN CONCRETE BASE	M3	40*300		
54	390160	ASPHALT CONCRETE (TYPE B)	TONN	6630		
55	394001	PLACE ASPHALT CONCRETE DIKE	M	21*900		
56	394002	PLACE ASPHALT CONCRETE (MISCELLANEOUS AREA)	M2	2170		
57	BLANK					
58	401000	CONCRETE PAVEMENT	M3	60*200		
59	017914	DOWEL (SMOOTH, EPOXY COATED)	EA	158*000		
60	406005	DRILL AND GROUT TIE BAR	EA	46*000		

**ENGINEER'S ESTIMATE
07-117104**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121 (S)	839565	TERMINAL SYSTEM (TYPE SRT)	EA	28		
122 (S)	839591	CRASH CUSHION, SAND FILLED	EA	1		
123	839701	CONCRETE BARRIER (TYPE 60)	M	1250		
124	017915	CONCRETE BARRIER (TYPE 60W MODIFIED)	M	2420		
125	839703	CONCRETE BARRIER (TYPE 60C)	M	90		
126	839705	CONCRETE BARRIER (TYPE 60E)	M	240		
127 (S)	840655	PAINT TRAFFIC STRIPE (1-COAT)	M	108°000		
128 (S)	840656	PAINT TRAFFIC STRIPE (2-COAT)	M	214°000		
129 (S)	840665	PAINT PAVEMENT MARKING (1-COAT)	M2	35		
130 (S)	840666	PAINT PAVEMENT MARKING (2-COAT)	M2	580		
131 (S)	850102	PAVEMENT MARKER (REFLECTIVE)	EA	5410		
132 (S)	850120	PAVEMENT MARKER (REFLECTIVE-RECESSED)	EA	15°100		
133 (S)	860890	MODIFY TRAFFIC MONITORING STATION (COUNT)	LS	LUMP SUM	LUMP SUM	
134 (S)	860931	TRAFFIC MONITORING STATION (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
135 (S)	860932	TRAFFIC MONITORING STATION (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
136 (S)	860933	TRAFFIC MONITORING STATION (LOCATION 3)	LS	LUMP SUM	LUMP SUM	
137 (S)	860934	TRAFFIC MONITORING STATION (LOCATION 4)	LS	LUMP SUM	LUMP SUM	
138 (S)	860935	TRAFFIC MONITORING STATION (LOCATION 5)	LS	LUMP SUM	LUMP SUM	
139 (S)	860936	TRAFFIC MONITORING STATION (LOCATION 6)	LS	LUMP SUM	LUMP SUM	
140 (S)	860937	TRAFFIC MONITORING STATION (LOCATION 7)	LS	LUMP SUM	LUMP SUM	

**ENGINEER'S ESTIMATE
07-117104**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141 (S)	860938	TRAFFIC MONITORING STATION (LOCATION 8)	LS	LUMP SUM	LUMP SUM	
142 (S)	860939	TRAFFIC MONITORING STATION (LOCATION 9)	LS	LUMP SUM	LUMP SUM	
143 (S)	861504	MODIFY LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
144	850101	PAVEMENT MARKER (NON REFLECTIVE)	EA	1010		
145	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____