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**DIVISION OF ENGINEERING SERVICES**  
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Be energy efficient!*

**\*\* WARNING \*\* WARNING \*\* WARNING \*\* WARNING \*\***  
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August 22, 2008

04-Son-101-35.6/47.7  
04-0A10U4  
HPLUL-6204(069)  
ACNH-Q101(148)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SONOMA COUNTY IN AND NEAR SANTA ROSA AND AT WINDSOR FROM 0.5 KM NORTH OF STEELE LANE UNDERCROSSING TO 0.5 KM NORTH OF WINDSOR LANE 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 September 3, 2008.

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 15 dated 8/15/2008.

Project Plan Sheets 10, 29, 125, 147, 148, 149, 150, 152, 153, 154, 155, 156, 158, 160, and 509 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

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

"The Engineer designates ground locations of erosion control by directing the placing of stakes or other suitable markers before application of erosion control materials as specified under "Erosion Control (Type D)," "Biofiltration Strips," or "Compost, Incorporate," of these special provisions.

In the Special Provisions, Section 10-1.365, "COMPOST, INCORPORATE," is added as attached.

In the Special Provisions, Section 10-1.44, "LIME STABILIZATION," the second paragraph is revised as follows:

"Lime shall be added to the material to be stabilized at the rate of 6 percent by mass of the dry material. The exact rate will be determined by the Engineer based on an unconfined compressive strength of the lime stabilized material of 2063 kPa, as determined by California Test 373."

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In the Proposal and Contract, the Engineer's Estimate Items 43, 44 and 65 are revised, Items 220 and 221 are added and Item 219 is deleted as attached.

To Proposal and Contract book holders:

Replace pages 5, 6, 13, and 14 of the Engineer's Estimate in the Proposal with the attached revised pages 5, 6, 13, and 14 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 GSO 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

ROBERT E. TRAVIS, Chief  
Office of Plans, Specifications & Estimates  
Division of Engineering Services - Office Engineer

Attachments

### **10-1.365 COMPOST, INCORPORATE**

This work includes incorporating compost into the surface of areas 1:4 (vertical:horizontal) or flatter where shown on the plans as infiltration strip. Compost, incorporate must comply with Section 20-3, "Erosion Control," of the Standard Specifications and these special provisions.

Apply compost when an area is ready to receive it as determined by the Engineer.

Before applying compost, the Engineer designates the location of compost in increments of 1 acre or smaller for smaller areas. Place stakes or other suitable markers at the locations designated by the Engineer. Furnish tools, labor and materials required to designate the various locations.

### **MATERIALS**

#### **Compost**

The compost producer must be fully permitted as specified under the California Integrated Waste Management Board, Local Enforcement Agencies and any other State and Local Agencies that regulate solid waste facilities. If exempt from State permitting requirements, the composting facility must certify that it follows guidelines and procedures for production of compost meeting the environmental health standards of Title 14, California Code of Regulations, Division 7, Chapter 3.1, Article 7.

The compost producer must be a participant in the United States Composting Council's Seal of Testing Assurance program.

Compost may be derived from any single or mixture of any of the following feedstock materials:

1. Green material consisting of chipped, shredded, or ground vegetation; or clean processed recycled wood products
2. Biosolids
3. Manure
4. Mixed food waste

Compost feedstock materials such that weed seeds, pathogens and deleterious materials are reduced as specified under Title 14, California Code of Regulations, Division 7, Chapter 3.1, Article 7, Section 17868.3.

Compost must not be derived from mixed municipal solid waste and must be reasonably free of visible contaminants. Compost must not contain paint, petroleum products, pesticides or any other chemical residues harmful to animal life or plant growth. Compost must not possess objectionable odors.

Metal concentrations in compost must not exceed the maximum metal concentrations listed in Title 14, California Code of Regulations, Division 7, Chapter 3.1, Section 17868.2.

Compost must comply with the following:

### Physical and Chemical Requirements

Property	Test Method	Requirement										
PH	TMECC 04.11-A Elastometric pH 1:5 Slurry Method pH Units	6.0–8.0										
Soluble Salts	TMECC 04.10-A Electrical Conductivity 1:5 Slurry Method dS/m (mmhos/cm)	0–10.0										
Moisture Content	TMECC 03.09-A Total Solids & Moisture at 70+/- 5 deg C % Wet Weight Basis	30–60										
Organic Matter Content	TMECC 05.07-A Loss-On-Ignition Organic Matter Method (LOI) % Dry Weight Basis	30–65										
Maturity	TMECC 05.05-A Germination and Vigor Seed Emergence Seedling Vigor % Relative to Positive Control	80 or Above 80 or Above										
Stability	TMECC 05.08-B Carbon Dioxide Evolution Rate mg CO <sub>2</sub> -C/g OM per day	8 or below										
Particle Size	TMECC 02.02-B Sample Sieving for Aggregate Size Classification % Dry Weight Basis	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Millimeters</td> <td style="text-align: right;">%</td> </tr> <tr> <td style="text-align: right;">Passing</td> <td style="text-align: right;">76.0</td> </tr> <tr> <td style="text-align: right;">76.0</td> <td style="text-align: right;">99%</td> </tr> <tr> <td style="text-align: right;">9.5</td> <td style="text-align: right;">&lt; 25%</td> </tr> <tr> <td colspan="2" style="text-align: right;">Max. Length 100 millimeters</td> </tr> </table>	Millimeters	%	Passing	76.0	76.0	99%	9.5	< 25%	Max. Length 100 millimeters	
Millimeters	%											
Passing	76.0											
76.0	99%											
9.5	< 25%											
Max. Length 100 millimeters												
Pathogen	TMECC 07.01-B Fecal Coliform Bacteria < 1000 MPN/gram dry wt.	Pass										
Pathogen	TMECC 07.01-B Salmonella < 3 MPN/4 grams dry wt.	Pass										
Physical Contaminants	TMECC 02.02-C Man Made Inert Removal and Classification: Plastic, Glass and Metal % > 4mm fraction	Combined Total: < 1.0										
Physical Contaminants	TMECC 02.02-C Man Made Inert Removal and Classification: Sharps (Sewing needles, straight pins and hypodermic needles) % > 4mm fraction	None Detected										

NOTE: TMECC refers to "Test Methods for the Examination of Composting and Compost," published by the United States Department of Agriculture and the United States Compost Council (USCC).

Before compost application, submit a copy of the compost producer's compost technical data sheet and a copy of the compost producers Seal of Testing Assurance certification. The compost technical data sheet must include:

1. Laboratory analytical test results
2. Directions for product use
3. List of product ingredients

Before compost application, submit a Certificate of Compliance under Section 6-1.07, "Certificates of Compliance," of the Standard Specifications.

## **APPLICATION**

Before application of compost, soil surface preparation must comply with Section 19-2.05, "Slopes," of the Standard Specifications. Vegetative growth, temporary erosion control materials, and other debris must be removed from areas to receive compost, incorporate.

Apply and incorporate compost in separate applications in the following sequence to embankment and excavation slopes:

1. Apply compost to a depth of 200 millimeters by using specialized equipment such as a pneumatic blower or side discharge spreader.
2. You may incorporate the compost by hand using a backhoe, bulldozer, or grading blade to a depth of 200 millimeters. Do not incorporate compost to a strip 0.6 meters wide adjacent to the edge of pavement.
  3. Following incorporation, compact the area to a relative compaction between 82 percent and 90 percent except as otherwise specified in Section 19-5 "Compaction," of the Standard Specifications.
  4. Apply erosion control (Type D) specified and paid for elsewhere in these special provisions.

## **MEASUREMENT AND PAYMENT**

Compost, incorporate will be measured by the square meter.

The contract price paid per square meter for compost, incorporate includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in applying compost, incorporate 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  
04-0A10U4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	152604	MODIFY INLET	EA	4		
42 (S)	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	M2	6660		
43	153210	REMOVE CONCRETE	M3	87		
44	153221	REMOVE CONCRETE BARRIER	M	990		
45	153235	CLEAN BRIDGE DECK	M2	2120		
46 (S)	014681	VIBRATION MONITORING	LS	LUMP SUM	LUMP SUM	
47	155003	CAP INLET	EA	24		
48	014418	REMOVE CRASH CUSHION ARRAY (SAND FILLED)	EA	11		
49 (F)	157561	BRIDGE REMOVAL (PORTION), LOCATION A	LS	LUMP SUM	LUMP SUM	
50 (F)	157562	BRIDGE REMOVAL (PORTION), LOCATION B	LS	LUMP SUM	LUMP SUM	
51 (F)	157563	BRIDGE REMOVAL (PORTION), LOCATION C	LS	LUMP SUM	LUMP SUM	
52	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
53	160120	REMOVE TREE	EA	450		
54	190101	ROADWAY EXCAVATION	M3	110 000		
55	190107	ROADWAY EXCAVATION (TYPE Y-1) (AERIALY DEPOSITED LEAD)	M3	19 100		
56 (S)	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
57 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	276		
58 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	3079		
59 (F)	014419	STRUCTURE EXCAVATION (TYPE Y-1) (AERIALY DEPOSITED LEAD) (RETAINING WALL)	M3	32		
60 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	M3	144		

**ENGINEER'S ESTIMATE  
04-0A10U4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	M3	3158		
62 (F)	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	M3	165		
63	193114	SAND BACKFILL	M3	23		
64 (S)	203016	EROSION CONTROL (TYPE D)	HA	10		
65 (S)	014420	BIOFILTRATION STRIPS	HA	1.7		
66 (S)	203018	EROSION CONTROL (NETTING)	M2	4300		
67	203021	FIBER ROLLS	M	25 500		
68 (S)	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	8		
69 (S)	014421	WATER METER (50 MM)	EA	6		
70 (S)	208421	BACKFLOW PREVENTER ASSEMBLY ENCLOSURE	EA	6		
71 (S)	208435	50 MM BACKFLOW PREVENTER ASSEMBLY	EA	6		
72	208731	200 MM CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	M	160		
73	240100	LIME	TONN	6870		
74	014422	LIME STABILIZATION	M2	145 000		
75	250401	CLASS 4 AGGREGATE SUBBASE	M3	46 800		
76	260301	CLASS 3 AGGREGATE BASE	M3	6220		
77	270065	ASPHALTIC EMULSION (CURING SEAL)	TONN	97		
78	280000	LEAN CONCRETE BASE	M3	39 000		
79	390104	ASPHALT CONCRETE	TONN	198 000		
80	390106	ASPHALT CONCRETE (OPEN GRADED)	TONN	23 300		

**ENGINEER'S ESTIMATE  
04-0A10U4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
201 (S)	860552	LIGHTING AND SIGN ILLUMINATION (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
202 (S)	860553	LIGHTING AND SIGN ILLUMINATION (LOCATION 3)	LS	LUMP SUM	LUMP SUM	
203 (S)	860554	LIGHTING AND SIGN ILLUMINATION (LOCATION 4)	LS	LUMP SUM	LUMP SUM	
204 (S)	861501	MODIFY SIGNAL AND LIGHTING	LS	LUMP SUM	LUMP SUM	
205 (S)	014436	TRAFFIC OPERATIONS SYSTEM (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
206 (S)	014437	TRAFFIC OPERATIONS SYSTEM (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
207 (S)	014438	TRAFFIC OPERATIONS SYSTEM (LOCATION 3)	LS	LUMP SUM	LUMP SUM	
208 (S)	014439	TRAFFIC OPERATIONS SYSTEM (LOCATION 4)	LS	LUMP SUM	LUMP SUM	
209 (S)	014440	CAMERA UNIT	EA	10		
210 (S)	014441	PAN/TILT UNIT	EA	10		
211 (S)	014442	CAMERA CONTROL UNIT	EA	10		
212 (S)	014443	VIDEO ENCODER UNIT	EA	10		
213 (S)	014444	INTEGRATED SERVICE DIGITAL NETWORK (ISDN) TERMINAL ADAPTOR	EA	10		
214 (S)	014445	GENERAL PACKET RADIO SYSTEM (GPRS) WIRELESS MODEM ASSEMBLY	EA	10		
215 (S)	014446	DIAL-UP MODEM FOR CHANGEABLE MESSAGE SIGN	EA	12		
216 (S)	014447	EXTINGUISHABLE MESSAGE SIGN RADIO CONTROLLER ASSEMBLY	EA	3		
217 (S)	014448	EXTINGUISHABLE MESSAGE SIGN PANEL (LED)	EA	3		
218 (S)	014449	HIGHWAY ADVISORY RADIO SYSTEM	EA	1		
219	BLANK					
220 (S)	203025	COMPOST, INCORPORATE	M2	14 200		

**ENGINEER'S ESTIMATE  
04-0A10U4**

221	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	
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**TOTAL BID (A):** = \_\_\_\_\_

**TOTAL BID (B):**  
**\$44,000.00** X \_\_\_\_\_ = \_\_\_\_\_  
 (Cost Per Day) (Enter Working Days Bid)  
 (Not To Exceed 520 Days)

**TOTAL BASIS FOR COMPARISON OF  
BIDS (A + B):** = \_\_\_\_\_