

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Flex your power!  
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February 6, 2012

08-Riv-215-39.7/43.0

08-334874

Project ID 0800000604

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN RIVERSIDE COUNTY IN RIVERSIDE FROM 0.8 MILE EAST OF MARTIN LUTHER KING BOULEVARD TO DOWN STREET OVERHEAD.

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 Thursday, February 23, 2012. The original bid opening date was previously postponed indefinitely under Addendum No. 2 dated December 23, 2011.

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

Project Plan Sheets 8, 9, 12, 13, 15, 16, 19, 20, 21, 23, 24, 25, 26, 28, 29, 30, 31, 32, 35, 37, 38, 40, 41, 42, 44, 45, 46, 47, 53 and 54 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 10-1.18, "EROSION CONTROL (HYDROSEED)," is revised as attached.

In the Special Provisions, Section 10-1.20.5, "IRRIGATION CROSSOVER (OPEN TRENCH)," is added as attached.

In the Bid book, in the "Bid Item List," Items 14, 17, 20, 21, 22, 24, 25, 28, 29, 32, 33, 34, 35, 36, 37, 43, 44, 45, 46, 47, 48, 49 and 50 are revised as attached.

Addendum No. 3  
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To Bid book holders:

Replace the entire "Bid Item List" in the Bid book with the attached revised Bid Item List. The revised Bid Item List 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 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.

This addendum, attachments and the modified wage rates are available for the Contractors' download on the Web site:

[http://www.dot.ca.gov/hq/esc/oe/project\\_ads\\_addenda/08/08-334874](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/08/08-334874)

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

## 10-1.18 EROSION CONTROL (HYDROSEED)

### GENERAL

#### Summary

This work includes removing and disposing of weeds and applying erosion control materials including seed, fiber, and tackifier to erosion control (Hydroseed) areas shown on the plans.

Comply with Section 20-3, "Erosion Control," of the Standard Specifications.

If notified by the Engineer that an area is ready to receive erosion control materials, start erosion control (Hydroseed) work within 5 business days of the Engineer's notification to perform the work.

The Engineer will designate the ground location of all erosion control (Hydroseed) areas in increments of one acre or smaller by directing the placing of stakes or other suitable markers. Furnish all tools, labor, materials, and transportation required to adequately indicate the various erosion control (Hydroseed) locations.

### MATERIALS

#### Seed

Seed not required to be labeled under the California Food and Agricultural Code must be tested for purity and germination by a seed laboratory certified by the Association of Official Seed Analysts or by a seed technologist certified by the Society of Commercial Seed Technologists. Measure and mix individual seed species in the presence of the Engineer.

Seed must contain at most 1.0 percent total weed seed by weight.

Deliver seed to the job site in unopened separate containers with the seed tag attached. Containers without a seed tag attached are not accepted. The Engineer takes a sample of approximately one ounce or 0.25 cup of seed for each seed lot greater than 2 pounds.

Seed must comply with the following:

#### Seed (Type 1)

Botanical Name (Common Name)	Percent Germination (Minimum)	Pounds Pure Live Seed Per Acre (Slope Measurement)
<i>Croton setigerus</i> (Doveweed)	20%	16
<i>Lasthenia californica</i> (Dwarf Goldfields)	30%	.5
<i>Eschscholzia californica</i> (California Poppy)	70%	5.
<i>Datura wrightii</i> (Jimson Weed)	50%	1.0
<i>Melica imperfecta</i> (Coast Range Melic)	50%	7.5
<i>Salvia columbariae</i> (Chia)	30%	1
	Total	25.5

#### Seed (Type 2)

Botanical Name (Common Name)	Percent Germination (Minimum)	Pounds Pure Live Seed Per Acre (Slope Measurement)
<i>Atriplex semibaccata</i> (Creeping Saltbrush)	40%	15
<i>Erigonum fasciculatum polyfolium</i> (California buckwheat)	40%	2.0
<i>Poa secunda</i> (One-sided Bluegrass)	50%	1.0
<i>Melica imperfecta</i> (Coast Range Melic)	50%	5.0
<i>Eschscholzia californica</i> (California Poppy)	70%	3.0
	Total	26.0

### **Seed Sampling Supplies**

At the time of seed sampling, provide the Engineer a glassine lined bag and custody seal tag for each seed lot sample.

### **Tackifier**

Tackifier must be:

1. Polymeric Emulsion Blend

Tackifier must comply with the following:

1. Nonflammable
2. Nontoxic to aquatic organisms
3. Free from growth or germination inhibiting factors
4. Either a plant-based product or a polymeric-emulsion blend

Tackifier classified as polymeric emulsion blend must comply with the following:

1. A liquid or dry powder formulation
2. Anionic with a residual monomer content that is at most 0.05 percent by weight
3. Functional for at least 180 days
4. A prepackaged product labeled as containing one of the following as the primary active ingredient of the polymeric emulsion blend:
  - 4.1 Acrylic copolymers and polymers
  - 4.2 Polymers of methacrylates and acrylates
  - 4.3 Copolymers of sodium acrylates and acrylamides
  - 4.4 Polyacrylamide (PAM) and copolymer of acrylamide
  - 4.5 Hydrocolloid polymers

### **Fiber**

Fiber must be:

1. Wood

Fiber must comply with the following:

1. Free from lead paint, printing ink, varnish, petroleum products, seed germination inhibitors, or chlorine bleach
2. Free from synthetic or plastic materials
3. At most 7 percent ash

Wood Fiber must comply with the following:

1. Long strand, whole wood fibers, thermo-mechanically processed from clean, whole wood chips
2. Not made from sawdust, cardboard, paper, or paper byproducts
3. At least 25 percent of fibers 3/8 inch long
4. At least 40 percent held on a No. 25 sieve

### **Coloring Agent**

Use a biodegradable, nontoxic coloring agent free from copper, mercury, and arsenic.

#### 10-1.20.5 IRRIGATION CROSSOVERS (OPEN TRENCH)

Irrigation crossovers to be installed under existing surfacing shall include conduits, water line crossovers, sprinkler control crossovers, and appurtenances and shall be installed in conformance with the details shown on the plans and these special provisions.

Conduits shall be installed in open trenches and shall conform to the provisions in Section 20-5.03B, "Conduit for Irrigation Crossovers," of the Standard Specifications.

Conduits shall be corrugated high density polyethylene (CHDPE) pipe.

Water line crossovers shall conform to the provisions in Section 20-5.03C, "Water Line Crossovers," of the Standard Specifications.

Sprinkler control crossovers shall conform to the provisions in Section 20-5.027D, "Sprinkler Control Crossovers," of the Standard Specifications.

Pull boxes shall be installed in conformance with the details shown on the plans and shall conform to the provisions in Section 20-5.027I, "Conductors, Electrical Conduit and Pull Boxes," of the Standard Specifications.

Conduits to be installed under existing pavement shall be installed in a trench approximately 12 inches wider than the outside diameter of the conduit to be installed. The top of the installed conduit shall be a minimum of 24 inches below finished grade.

Where no joint exists in a monolithic concrete sidewalk, the concrete sidewalk shall be cut on a straight neat line at the location designated by the Engineer.

Portland cement concrete curbs, concrete drainage gutters and asphalt concrete dikes shall not be cut or removed for installation of conduits.

The outline of areas of surfacing to be removed shall be cut with an abrasive type saw or a rock cutting excavator specifically designed for this purpose. The minimum depth of cuts in asphalt concrete and portland cement concrete shall be 0.17-foot. Cuts shall be neat and true with no shatter outside the removal area. Removed asphalt concrete, portland cement concrete and surplus excavated material 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.

Backfill for trenches shall be structure backfill conforming to the provisions in Section 19-3.06, "Structure Backfill," of the Standard Specifications.

The compacted thicknesses of the replacement underlying material, hot mix asphalt (HMA) and portland cement concrete shall be not less than the thickness of the respective material removed as specified above. The finished surface of the HMA and portland cement concrete shall be flush with the adjacent surface. Where HMA surfacing or portland cement concrete is placed adjacent to curbs, the finished surface of the HMA surfacing and portland cement concrete shall be flush with the top of the adjacent curb.

HMA for replacing removed asphalt concrete surfacing and facilities shall conform to the following requirements:

1. HMA shall be produced at a central mixing plant.
2. Paving asphalt and aggregates shall be commercial quality.
3. The amount of asphalt binder to be mixed with the aggregate shall be between 5 percent and 10 percent by weight of the dry aggregate. The exact amount will be determined by the Engineer.
4. The aggregate shall have a Sand Equivalent value of not less than 30.
5. The aggregate shall conform to the 3/8 inch grading specified for Type B hot mix asphalt in Section 39-1.02E, "Aggregate," of the Standard Specifications.
6. A Certificate of Compliance shall be furnished to the Engineer in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications.

HMA shall be spread at a temperature of not less than 250° F. HMA shall be spread and compacted by methods that will produce a hot mix asphalt surfacing of uniform smoothness and texture.

HMA placed in trenches may be placed in one layer provided the compacted thickness is 0.25-foot or less.

HMA shall be thoroughly compacted. Where practicable, HMA shall be rolled with power rollers. Where the power rollers cannot be operated, compaction shall be obtained by hand rollers or an impactor.

Full compensation for water line crossover appurtenances, cutting, removing and disposing of existing asphalt concrete surfacing and concrete facilities; excavation and backfill; replacing existing asphalt concrete surfacing with HMA and portland cement concrete facilities; and checking and pressure testing supply line pipe in conduit shall be considered as included in the contract price paid per linear foot for the various sizes of plastic pipe supply line involved and no separate payment will be made therefor.

**BID ITEM LIST**  
**08-334874**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
2	074017	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	LUMP SUM	LUMP SUM	
3	074028	TEMPORARY FIBER ROLL	LF	4,000		
4	074034	TEMPORARY COVER	SQYD	500		
5	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	12		
6	074041	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
7	074042	TEMPORARY CONCRETE WASHOUT (PORTABLE)	LS	LUMP SUM	LUMP SUM	
8	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
9	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
10	128650	PORTABLE CHANGEABLE MESSAGE SIGN	EA	4		
11	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
12	200002	ROADSIDE CLEARING	LS	LUMP SUM	LUMP SUM	
13	200114	ROCK BLANKET	SQYD	390		
14	200116	GRAVEL (MISCELLANEOUS AREAS) (SQYD)	SQYD	10,830		
15	200120	CULTIVATE	SQYD	18,300		
16	202006	SOIL AMENDMENT	CY	1,360		
17	202011	MULCH	CY	2,570		
18	202018	COMMERCIAL FERTILIZER	LB	2,080		
19	203031	EROSION CONTROL (HYDROSEED) (SQFT)	SQFT	392,000		
20	204006	PLANT (GROUP F)	EA	74,686		

**BID ITEM LIST**  
**08-334874**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	204008	PLANT (GROUP H)	EA	74,686		
22	204009	PLANT (GROUP I)	EA	27,158		
23	204022	PLANT (GROUP Z)	EA	140		
24	204035	PLANT (GROUP A)	EA	7,764		
25	204036	PLANT (GROUP B)	EA	1,288		
26	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
27	206560	CONTROL AND NEUTRAL CONDUCTORS	LS	LUMP SUM	LUMP SUM	
28	206602	1" ELECTRIC REMOTE CONTROL VALVE	EA	4		
29	206604	1 1/2" ELECTRIC REMOTE CONTROL VALVE	EA	24		
30	206605	2" ELECTRIC REMOTE CONTROL VALVE	EA	36		
31	208304	WATER METER	EA	1		
32	022081	ENCODERS	EA	4		
33	022082	DECODER PROGRAMMER	EA	2		
34	208461	SPRINKLER (TYPE A-1)	EA	502		
35	208462	SPRINKLER (TYPE A-2)	EA	825		
36	208463	SPRINKLER (TYPE A-3)	EA	1,230		
37	208482	SPRINKLER (TYPE C-2)	EA	322		
38	020760	1 1/4" BALL VALVE	EA	1		
39	020761	1 1/2" BALL VALVE	EA	1		
40	020762	2" BALL VALVE	EA	5		

**BID ITEM LIST**  
**08-334874**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	020763	2 1/2" BALL VALVE	EA	6		
42	020764	3" BALL VALVE	EA	17		
43 (F)	208594	3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	39,803		
44 (F)	208595	1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	9,699		
45 (F)	208596	1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	11,311		
46 (F)	208597	1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	2,724		
47 (F)	208598	2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	5,225		
48 (F)	208599	2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	1,623		
49 (F)	020765	3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	14,126		
50 (F)	020766	4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	3,286		
51	208812	12" WELDED STEEL PIPE CONDUIT (.250" THICK)	LF	77		
52	020767	5 HORSE POWER BOOSTER PUMP	EA	1		
53	020768	10 HORSE POWER BOOSTER PUMP	EA	1		
54	020769	RELOCATE EXISTING BOOSTER PUMP STATION	EA	2		
55	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
56	860797	ELECTRIC SERVICE (IRRIGATION)	LS	LUMP SUM	LUMP SUM	
57	020770	MODIFY ELECTRIC SERVICE (IRRIGATION)	LS	LUMP SUM	LUMP SUM	
58	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

**TOTAL BID:**

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