

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Flex your power!  
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September 7, 2012

06-Ker-99-17.0/22.1

06-0G8304

Project ID 0600020165

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN KERN COUNTY IN BAKERSFIELD FROM 0.5 MILE SOUTH OF ROUTE 119 TO WILSON ROAD.

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 Tuesday, October 9, 2012.

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

Project Plan Sheets 1, 2, 14, 15, 61, 75, 123, 126, 190, 193, 198 and 199 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 52A, 65A, 123A, 176A and 176B are added. Copies of the added sheets are attached for addition to the project plans.

In the Notice to Bidders and Special Provisions, in the "STANDARD PLANS LIST," the following Standard Plans are added:

"NSP ES-10A  
NSP ES-10B"

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the following paragraphs are added after the seventh paragraph:

"At least 60 days before applying seed, furnish the Engineer a statement from the vendor that the order for the seed required for this contract has been received and accepted by the vendor. The statement from the vendor must include the names and quantity of seed ordered and the anticipated date of delivery.

The construction of an 1,830 foot section of 12-foot lane and 10-foot shoulder on the southbound, outside shoulder approaching the Panama Lane off-ramp shall be constructed in Stage 1, as shown on the plan sheet CS-1."

06-Ker-99-17.0/22.1  
06-0G8304  
Project ID 0600020165

In the Special Provisions, Section 10-1.25, "TREATED WOOD WASTE," subsection "GENERAL," sub-subsection "Summary," the second paragraph is revised as follows:

"Wood removed from salvaged single thrie beam barrier, remove metal beam guard railing and remove roadside sign is treated with one or more of the following:

1. Creosote
2. Pentachlorophenol
3. Copper azole
4. Copper boron azole
5. Chromated copper arsenate
6. Ammoniacal copper zinc arsenate
7. Alkaline copper quaternary"

In the Special Provisions, Section 10-1.26, " EXISTING HIGHWAY FACILITIES," subsection "REMOVE METAL BEAM GUARD RAILING," is added as attached.

In the Special Provisions, Section 10-1.285, " EROSION CONTROL SEQUENCING," is added as attached.

In the Special Provisions, Section 10-1.286, " EROSION CONTROL (COMPOST BLANKET)," is added as attached.

In the Special Provisions, Section 10-1.287, " COMPOST (INCORPORATE)," is added as attached.

In the Special Provisions, Section 10-1.288, " AGGREGATE BASE," is added as attached.

In the Special Provisions, Section 10-1.505, " METAL BEAM GUARD RAILING," is added as attached.

In the Special Provisions, Section 10-1.506, " ALTERNATIVE IN-LINE TERMINAL SYSTEM," is added as attached.

In the Bid book, in the "Bid Item List," Items 38, 42, 43, 44, 60, 71, 75 and 79 are revised, Items 97, 98, 99, 100, 101, 102, 103, 104, 105, 106 and 107 are added and Item 96 is deleted as-attached.

To Bid book holders:

Replace pages 4, 5, 6 and 7 of the "Bid Item List" in the Bid book with the attached revised pages 4, 5, 6, 7 and 7A of the 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.

Addendum No. 1  
Page 3  
September 7, 2012

06-Ker-99-17.0/22.1  
06-0G8304  
Project ID 0600020165

This addendum and attachments are available for the Contractors' download on the Web site:

**[http://www.dot.ca.gov/hq/esc/oe/project\\_ads\\_addenda/06/06-0G8304](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/06/06-0G8304)**

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,



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

Attachments

**REMOVE METAL BEAM GUARD RAILING**

Existing metal beam guard railing, where shown on the plans to be removed, shall be removed and disposed of.

Existing concrete anchors or steel foundation tubes shall be completely removed and disposed of. Full compensation for removing concrete anchors shall be considered as included in the contract price paid per linear foot for remove metal beam guard railing and no separate payment will be made therefor.

Full compensation for removing cable anchor assemblies, terminal anchor assemblies or steel foundation tubes shall be considered as included in the contract price paid per linear foot for remove metal beam guard railing and no separate payment will be made therefor.

**10-1.285 EROSION CONTROL (SEQUENCING)**

Place erosion control treatments in the following sequence for each erosion control type identified:

**Erosion Control (Type 1)**

Compost (Incorporate)

Erosion Control (Compost Blanket)

## 10-1.286 EROSION CONTROL (COMPOST BLANKET)

### GENERAL

#### Summary

This work includes removing and disposing of weeds, applying erosion control materials seed and compost to erosion control (compost blanket) areas shown on the plans.

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

The Engineer will designate the ground location of all erosion control (compost blanket) 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 (compost blanket) locations.

### MATERIALS

Seed not required to be labeled under the California Food and Agricultural Code shall 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 will be rejected. 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		
Botanical Name (Common Name)	Percent Germination (Minimum)	Pounds Pure Live Seed Per Acre (Slope Measurement)
Bromus arizonicus (C.L.Shear) Stebbins (Arizona Brome)	80	29.2
Vulpia microstachys (Nutt.) Munro in Benth. (Small Fescue)	80	3.3
Vulpia octoflora (Walt.) Rydb. var. hirtella (Pipe (Six Weeks Fescue)	60	1.0
	Total	33.5

#### 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.

#### Compost

The compost producer must be fully permitted as specified under the California Department of Resources Recycling and Recovery, 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 United States Composting Council's Seal of Testing Assurance program. Compost may be derived from any single, or mixture 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 to reduce weed seeds, pathogens and deleterious materials 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 under Title 14, California Code of Regulations, Division 7, Chapter 3.1, Section 17868.2.

Compost must comply with the following:

Physical/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	100% Passing, 3 inch 90-100% Passing, 1 inch 65-100% Passing, 3/4 inch 0 - 75% Passing, 1/4 inch  Maximum length 6 inches
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

\*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, provide the Engineer with a copy of the compost producer's compost technical data sheet and a copy of the compost producer's Seal of Testing Assurance certification.

The compost technical data sheet must include:

1. Laboratory analytical test results
2. List of product ingredients

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

## **CONSTRUCTION**

### **Site Preparation**

Immediately prior to applying seed and compost to erosion control (compost blanket) areas remove trash, debris and weeds.

Removed weeds must 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.

### **Application**

Apply seed and compost to a uniform thickness.

Erosion control (compost blanket) must extend to the edge of retaining sidewalks, walls, curbs, dikes, paving, and to within 4 feet from the flow line of paved and unpaved drainage ditches.

## **MEASUREMENT AND PAYMENT**

Erosion control (compost blanket) will be measured by the cubic yard of compost in the vehicle at the point of delivery in conformance with the provisions in Section 9-1.01, "Measurement of Quantities," of the Standard Specifications.

The contract price paid per cubic yard for erosion control (compost blanket) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in erosion control (compost blanket), as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Eng

## **10-1.287 COMPOST (INCORPORATE)**

### **GENERAL**

#### **Summary**

This work includes removing and disposing of weeds and incorporating compost into the surface of compost (incorporate) areas with a slope of 4:1 (horizontal:vertical) or flatter as shown on the plans.

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.

The Engineer will designate the ground location of all compost (incorporate) 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 compost (incorporate) locations.

### **MATERIALS**

#### **Compost**

The compost producer must be fully permitted as specified under the California Department of Resources Recycling and Recovery, 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	Inches      % Passing 3              99% 3/8           < 25% Max. Length 4 inches
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. List of product ingredients

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

## **CONSTRUCTION**

### **Site Preparation**

Immediately prior to applying compost to compost (incorporate) areas, remove trash, debris and weeds.

Removed weeds must 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.

### **Application**

Apply and incorporate compost in separate applications in the following sequence:

1. Apply compost to a depth of 4 inches by using specialized equipment such as a pneumatic blower or side discharge spreader.
2. You may incorporate the compost by hand; by using a backhoe, bulldozer, or grading blade to a depth between 12 and 18 inches. Do not incorporate compost to a strip 2 feet 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 (Compost Blanket) specified and paid for elsewhere in these special provisions.

## **MEASUREMENT AND PAYMENT**

Compost (incorporate) will be measured by the square yard.

The contract price paid per square yard for compost (incorporate) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in 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.

**10-1.288 AGGREGATE BASE**

Aggregate base must comply with Section 26, "Aggregate Bases," of the Standard Specifications and these special provisions.

Aggregate base must be Class 2.

Do not store reclaimed asphalt concrete or aggregate base with reclaimed asphalt concrete within 100 feet measured horizontally of any culvert, watercourse, or bridge.

**10-1.505 METAL BEAM GUARD RAILING**

Metal beam guard railing shall be constructed in conformance with the provisions in Section 83-1, "Railings," of the Standard Specifications and these special provisions.

Attention is directed to "Order of Work" of these special provisions.

Line posts shall be steel. Blocks shall be plastic.

#### 10-1.506 ALTERNATIVE IN-LINE TERMINAL SYSTEM

Alternative in-line terminal system shall be furnished and installed as shown on the plans and in conformance with these special provisions.

The allowable alternatives for an in-line terminal system shall consist of one of the following or a Department approved equal.

- A. TERMINAL SYSTEM (TYPE SKT) - Terminal system (Type SKT) shall be a SKT 350 Sequential Kinking Terminal manufactured by Road Systems, Inc., located in Big Spring, Texas, and shall include items detailed for terminal system (Type SKT) shown on the plans. The SKT 350 Sequential Kinking Terminal can be obtained from the distributor, Universal Industrial Sales, P.O. Box 699, Pleasant Grove, UT 84062, telephone (801) 785-0505 or from the distributor, Gregory Highway Products, 4100 13<sup>th</sup> Street, S.W., Canton, OH 44708, telephone (330) 477-4800.
- B. TERMINAL SYSTEM (TYPE ET) - Terminal system (Type ET) shall be an ET-2000 PLUS (4-tube system) extruder terminal as manufactured by Trinity Industries, Inc., and shall include items detailed for terminal system (Type ET) shown on the plans. The ET-2000 PLUS (4-tube system) extruder terminal can be obtained from the manufacturer, Trinity Industries, Inc., P.O. Box 99, 950 West 400S, Centerville, UT 84014, telephone (800) 772-7976.
- C. TERMINAL SYSTEM (TYPE X-TENSION) - Terminal system (Type X-Tension) shall be an X-Tension Guard Rail End Terminal as manufactured by Barrier Systems, Inc. located in Vacaville, CA, and shall include items detailed for terminal system (Type X-Tension) in conformance with manufacturer's details and as shown on the plans. The X-Tension guard rail terminal can be obtained from the distributor, Statewide Safety and Signs, Inc., 130 Grobric Court, Fairfield, CA 94533, telephone (800) 770-2644.

The Contractor shall provide the Engineer with a Certificate of Compliance from the manufacturer in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications. The Certificate of Compliance shall certify that the terminal systems furnished conform to the contract plans and specifications, conform to the prequalified design and material requirements, and were manufactured in conformance with the approved quality control program.

Terminal systems shall be installed in conformance with the manufacturer's installation instructions and these requirements. Each terminal system installed shall be identified by painting the type of terminal system in neat black letters and figures 2 inches high on the backside of the rail element between system posts numbers 4 and 5. Paint shall be metallic acrylic resin type spray paint. Prior to applying terminal system identification, the surface to receive terminal system identification shall be removed of all dirt, grease, oil, salt or other contaminants by washing the surface with detergent or other suitable cleaner. Rinse thoroughly with fresh water and allow to fully dry.

For terminal system (Type ET) the steel foundation tubes with soil plates attached shall be, at the Contractor's option, either driven, with or without pilot holes, or placed in drilled holes. Space around the steel foundation tubes shall be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer shall be moistened and thoroughly compacted. The wood terminal posts shall be inserted into the steel foundation tubes by hand and shall not be driven. Before the wood terminal posts are inserted, the inside surfaces of the steel foundation tubes to receive the wood posts shall be coated with a grease which will not melt or run at a temperature of 149° F or less. The edges of the wood terminal posts may be slightly rounded to facilitate insertion of the post into the steel foundation tubes.

For terminal system (Type SKT) the soil tubes shall be, at the Contractor's option, driven with or without pilot holes, or placed in drilled holes. Space around the steel foundation tubes shall be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer shall be moistened and thoroughly compacted. Wood posts shall be inserted into the steel foundation tubes by hand. Before the wood terminal posts are inserted, the inside surfaces of the steel foundation tubes to receive the wood posts shall be coated with a grease which will not melt or run at a temperature of 149° F or less. The edges of the wood posts may be slightly rounded to facilitate insertion of the post into the steel foundation tubes.

For terminal system (Type X-Tension), the steel posts and soil anchor shall be, at the Contractor's option, either driven, with or without pilot holes, or placed in drilled holes. Space around the steel posts and soil anchor shall be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer shall be moistened and thoroughly compacted. All blocks shall be plastic.

Surplus excavated material remaining after the terminal system has been installed shall be disposed of in a uniform manner along the adjacent roadway where designated by the Engineer.

The contract unit price paid for alternative in-line terminal system shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing alternative in-line terminal system, complete in place, including excavation, backfill and disposal of surplus material, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

## BID ITEM LIST

06-0G8304

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	129100	TEMPORARY CRASH CUSHION MODULE	EA	110		
22	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	56,000		
23	150204	ABANDON CULVERT (LF)	LF	330		
24	150221	ABANDON INLET	EA	2		
25	150711	REMOVE PAINTED TRAFFIC STRIPE	LF	116,000		
26	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	94,400		
27	150722	REMOVE PAVEMENT MARKER	EA	15,500		
28	150742	REMOVE ROADSIDE SIGN	EA	16		
29	150820	REMOVE INLET	EA	17		
30	151265	SALVAGE SINGLE THRIE BEAM BARRIER	LF	53,200		
31	152394	RELOCATE SIGN STRUCTURE	EA	1		
32	152430	ADJUST INLET	EA	15		
33	153225	PREPARE CONCRETE BRIDGE DECK SURFACE	SQFT	26,025		
34	155003	CAP INLET	EA	2		
35	157561	BRIDGE REMOVAL (PORTION), LOCATION A	LS	LUMP SUM	LUMP SUM	
36	157562	BRIDGE REMOVAL (PORTION), LOCATION B	LS	LUMP SUM	LUMP SUM	
37	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
38	190101	ROADWAY EXCAVATION	CY	60,600		
39	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
40 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	265		

## BID ITEM LIST

06-0G8304

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	179		
42	390132	HOT MIX ASPHALT (TYPE A)	TON	36,000		
43	394050	RUMBLE STRIP	STA	320		
44	397005	TACK COAT	TON	51		
45	400050	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT	CY	47,500		
46	400062	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (TERMINAL JOINT, TYPE B)	LF	46		
47	400064	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (TERMINAL JOINT, TYPE D)	LF	46		
48	400065	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (TERMINAL JOINT, TYPE E)	LF	190		
49	400075	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (PAVEMENT ANCHOR)	LF	280		
50	400090	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (EXPANSION JOINT, TYPE AN)	LF	230		
51	401083	SHOULDER RUMBLE STRIP (CONCRETE PAVEMENT, GROUND-IN INDENTATIONS)	STA	530		
52	404092	SEAL PAVEMENT JOINT	LF	53,400		
53	404093	SEAL ISOLATION JOINT	LF	83,800		
54	420201	GRIND EXISTING CONCRETE PAVEMENT	SQYD	70,500		
55	490601	16" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	1,416		
56	490603	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	719		
57 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	52		
58 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	593		
59 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	179		
60 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	248		

## BID ITEM LIST

06-0G8304

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	511106	DRILL AND BOND DOWEL	LF	137		
62	515041	FURNISH POLYESTER CONCRETE OVERLAY	CF	1,840		
63 (F)	515042	PLACE POLYESTER CONCRETE OVERLAY	SQFT	26,025		
64	519091	JOINT SEAL (MR 1 1/2")	LF	230		
65 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	224,154		
66	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	21		
67	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	72		
68	560251	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-FRAMED)	SQFT	240		
69 (F)	562002	METAL (BARRIER MOUNTED SIGN)	LB	1,530		
70	566012	ROADSIDE SIGN - TWO POST	EA	6		
71	650014	18" REINFORCED CONCRETE PIPE	LF	11,000		
72	650018	24" REINFORCED CONCRETE PIPE	LF	30		
73	650026	36" REINFORCED CONCRETE PIPE	LF	4		
74	709522	INLET DEPRESSION	EA	15		
75	750007	FRAME AND GRATE	EA	180		
76	839303	SINGLE THRIE BEAM BARRIER (STEEL POST)	LF	190		
77	839312	DOUBLE THRIE BEAM BARRIER (STEEL POST)	LF	18		
78	839701	CONCRETE BARRIER (TYPE 60)	LF	24,800		
79 (F)	839702	CONCRETE BARRIER (TYPE 60A)	LF	528		
80	839700	CONCRETE BARRIER (TYPE 60F)	LF	1,050		

## BID ITEM LIST

06-0G8304

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	839706	CONCRETE BARRIER (TYPE 60G)	LF	670		
82	840504	4" THERMOPLASTIC TRAFFIC STRIPE	LF	56,000		
83	840505	6" THERMOPLASTIC TRAFFIC STRIPE	LF	59,000		
84	840506	8" THERMOPLASTIC TRAFFIC STRIPE	LF	6,850		
85	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	130		
86	840525	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	LF	166,000		
87	840526	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	LF	1,980		
88	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	5,170		
89	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
90	024055	PENDANT SOFFIT LIGHTING	LS	LUMP SUM	LUMP SUM	
91	024056	MODIFY MICROWAVE VEHICLE DETECTION SYSTEM	LS	LUMP SUM	LUMP SUM	
92	860990	CLOSED CIRCUIT TELEVISION SYSTEM	LS	LUMP SUM	LUMP SUM	
93	024057	MODIFY CLOSED CIRCUIT TELEVISION SYSTEM	LS	LUMP SUM	LUMP SUM	
94	024058	MODIFY HIGH SPEED WEIGH-IN-MOTION SYSTEM	LS	LUMP SUM	LUMP SUM	
95	861504	MODIFY LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
96	BLANK					
97	150662	REMOVE METAL BEAM GUARD RAILING	LF	77		
98	203002	EROSION CONTROL (COMPOST BLANKET)	CY	78		
99	203025	COMPOST (INCORPORATE)	SQYD	2,800		
100	260203	CLASS 2 AGGREGATE BASE (CY)	CY	1,200		

**BID ITEM LIST****06-0G8304**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	79		
102	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	1,470		
103	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	300		
104	832002	METAL BEAM GUARD RAILING (STEEL POST)	LF	300		
105	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	1		
106	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	1		
107	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

**TOTAL BID:**

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