

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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Be energy efficient!*

November 5, 2013

10-SJ-4,5-Var
10-OS1104
Project ID 1000000229

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SAN JOAQUIN COUNTY IN STOCKTON AT VARIOUS LOCATIONS.

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 Wednesday, November 20, 2013.

This addendum is being issued to revise the project plans, the *Notice to Bidders and Special Provisions*, the *Bid book* and *Information Handout*.

Project plan sheets 1, 2, 7, 12, 14, 15, 17, 18, 19, 20, 44, 56, 57, 66, 80, 147, 148, 149, 150, 166, 242, 244, 247, 346, 377, 429, 431, 454, 455, 456, 459, 460, 461, 462 and 464 are replaced and attached for substitution for the like-numbered sheets.

Project plan sheet 44A is added and attached for addition to the project plans.

In the *Notice to Bidders*, the eleventh paragraph is replaced as follows:

"Complete the work within 870 working days."

In the *Special Provisions*, Section 1-1.01, the following item is added to the table.

"

Item code	Item description	Applicable section
026655	REMOVE CONCRETE DRIVEWAY (SQYD)	15

"

In the *Special Provisions*, Section 5-1.20D, is replaced as attached.

In the *Special Provisions*, Section 5-1.36D, is replaced as attached.

In the *Special Provisions*, Section 10-1.03, is replaced as attached.

In the *Special Provisions*, Section 14-11.06, is replaced as attached.

In the *Special Provisions*, Section 19-6.03D, is replaced as attached.

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In the Special Provisions, Section 47-2.04, is replaced as attached.

In the Special Provisions, Section 47-6.01A, is replaced as attached.

In the Special Provisions, Section 51-1.01A, is deleted.

In the Special Provisions, Section 51-1.04, is replaced as attached.

The *Supplemental Information Handout* "Railroad Relations and Insurance Requirements, and Kleinfelder Response to Bid Inquiry #36" is added as attached.

In the *Bid* book, in the "Bid Item List," Items 3, 45, 54, 62, and 108 are replaced, Items 229, 230, 231, 232, 233, 234, and 235 are added and Items 51, 78, and 228 are deleted as attached.

To *Bid* book holders:

In the *Bid* book, pages 3, 5, 6, 8, and 14 of the "Bid Item List" are replaced as attached. The attached 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 and attachments are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/10/10-0S1104

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

Replace section 5-1.20D with:

5-1.20D Occupied Improvements within the Right-of-Way

Occupied improvements are within the right-of-way at:

Parcel No.	Construction Stage	Type	Date Available to Contractor	Reason for Work-Around
16456-1, -3, -4	1B, 2A, 2B, and 2C	Fee	10/15/2015	Pending effective order of possession (OP), business relocation assistance program (RAP), and clearance
16457-1	1B, 2A, 2B, and 2C	Fee	10/15/2015	Pending effective OP, 1 business and 2 resident RAP clearance
16467-1	1B, 2A, 2B, and 2C	Fee	10/15/2015	Pending, clearance, and business RAP
16464-1, -2	1B	Fee and TCE TCE Expires 12-1-2016	10/31/2013	Pending Effective OP
16469-2, -3, -4	2A, 2B, and 2C	Easement and two TCEs. TCEs Expires 12-1-2016	10/15/2015	Expect final order of condemnation (FOC) by 1/2/2015
16471-2, -3, -6	2A, 2B, and 2C	Easement and 2 TCEs. TCEs Expires 12-1-2016	10/15/2015	Expect FOC by 1/2/2015,
16474-1, -2, -3, -4, -5, -7, -6, -8	1B, 2A, 2B, and 2C	Easement and TCE; TCE Expires 12-1-2016	10/15/2015	Pending effective OP, and RAP of business personal property
16476-1,-2, -3,-4,-5,-6, -7,-8,-9,-10, -11,-12,-13, -14	1B	Aerial Easement and 2 TCEs	1/02/2015	Pending Construction and Maintenance Agreement
16485-1	1B, 2A, 2B, and 2C	Fee	10/15/2015	Pending effective OP, 1 business and 2 residence RAP, and clearance
16579	3B	Access Rights Only	06/30/2016	Pending effective OP

Do not take any action that will result in unnecessary inconvenience or disproportionate injury to or that is coercive in nature to the occupants of the improvements.

Add to section 5-1.36D:

The utility owner will relocate a utility shown in the following table before the corresponding date shown:

Utility Relocation and Date of the Relocation

Utility	Location	Date
PG&E Overhead Power Lines	Navy Drive	October 01, 2015
8" Kinder Morgan Pipe Line	Navy Drive	August 01, 2015
PG&E 8" Steel gas distribution pipe line	Navy Drive	October 01, 2015
PG&E 2" steel gas distribution pipe line	Navy Drive	October 01, 2015
PG&E 4" steel gas distribution pipe line	Del Norte St	December 31, 2013
PG&E 3" steel gas distribution pipe line	W Hazelton Avenue	December 31, 2013
PG&E 4" steel gas distribution pipe line	Tillie Lewis Drive	October 01, 2015
PG&E 1-4" street crossing conduits 12kV distribution electric e/w concentric ground	Tillie Lewis Drive	October 01, 2015
AT&T direct buried cables and associated boxes and pedestals	Navy Drive	October 01, 2015
AT&T 1-4" CPC underground cables, direct buried cable, associated boxes and pedestals	Tillie Lewis Drive	October 01, 2015
CalWater 18" pipeline	Navy Drive	October 01, 2015
CalWater 8" pipe line	Navy Drive	October 01, 2015
CalWater 8" pipe line	Tillie Lewis Drive	October 01, 2015
CalWater 4" pipe line	Del Norte Street	December 31, 2013
CalWater 4" and 12" pipe lines	W Hazelton Avenue	December 31, 2013
PG&E 1-4" PVC secondary service	Navy Drive	October 01, 2015

Replace "Reserved" in section 10-1.03 of the RSS for section 10-1 with:

No work is allowed over Burlington Northern Santa Fe and Central California Traction Company (the Railroad) tracks from October 1 to December 31.

Do not encroach or use equipment in areas where it is able to encroach within 25 feet of the railroad tracks, whether by intent or accident, until the Railroad approves the construction and maintenance agreement with the Department. The construction and maintenance agreement should be approved by January 2, 2015

For the purpose of determining where you can or can not operate equipment before and after the Railroad approves the construction and maintenance agreement, equipment is considered encroaching when it is used in areas where:

1. Its normal operating range of motion could possibly encroach within 25 feet of the railroad tracks
2. By accident it could possibly encroach within 25 feet of the railroad tracks

Do not operate any cranes from the following parcels until railroad flaggers are present:

16464, 16421, 16422, 16423, 16424, 16425, 16426, 16462, 16474, and 16456.

No work is allowed from June 1 to November 1 from Station 779+01.00 Rt. to Station 780+67.00 Rt. on Charter Way. This work must be completed within 25 working days of its start.

Complete all work for sewer systems Nos. 6, 7, 8, and 9 before beginning any bridge work between Bent Nos. 9 and 18.

Replace section 14-11.06 with:

14-11.06 DEPARTMENT GENERATED CONTAMINATED SOIL

14-11.06A General

14-11.06A(1) Summary

Section 14-11.06 includes specifications for handling petroleum and metal impacted soil, and handling and disposal of petroleum impacted groundwater generated during excavation activities and from general construction operations. Impacted soil may be encountered through general excavation activities, retention basin excavation, and construction of CIDH concrete piling. Impacted groundwater may be encountered during CIDH concrete piling construction, basin construction and retention modification.

Comply with 14-11.02D.

Petroleum impacted soil and related constituents and soil containing heavy metals exist throughout the job site.

14-11.06A(2) Definitions

Type DC Material: Petroleum and metal impacted soil to be stockpiled.

14-11.06A(3) Site Conditions

Expected groundwater depth ranges from approximately 9–12 feet below ground surface. Perched groundwater conditions may exist at shallower depths.

Concentration ranges for metals and petroleum compounds are shown in the following tables:

Concentrations CAM 17 Metals Constituents of Concern (COC) in Soil

Metal	Lead		Chromium		Copper		Mercury		Nickel		Zinc	
	Total (mg/kg)	WET (mg/l)										
Concentration Ranges Detected												
Minimum	3.2	3.2	17	1.3	19	0.53	0.085	<0.025	15	0.61	39	33
Maximum	380	39	330	11	960	14	4.3	<0.025	310	0.61	3300	33
TCLP/Detected	**	Yes/No	**	Yes/No	**	No TCLP						

Notes:

- WET waste extraction test
- TCLP Toxic Characteristic Leaching Procedure
- mg/kg milligrams per kilogram (parts per million)
- mg/l milligrams per liter (parts per million)
- ** not applicable

Concentrations of Petroleum Compounds in Soil

Petroleum	TPHd	TPHk	TPHho	TPHmino	TPHmo	TPHg
Concentration Ranges Detected	Total (mg/kg)					
Minimum	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Maximum	290	430	650	ND	25,000	160

Notes:

mg/kg milligrams per kilogram (parts per million)

mg/l milligrams per liter (parts per million)

Concentrations of Petroleum Compounds (COC) SVOCs and VOCs in Groundwater

Petroleum	TPHmo	TPHg	Benzene (VOC)	Xylenes (VOC)	Vinyl Chloride (VOC)	Methyl tert-Butyl Ether	Ethylene Glycol
Concentration Ranges Detected	Total (mg/l)	Total (mg/l)	Total (µg/l)	Total (µg/l)	Total (µg/l)	Total (µg/l)	Total (mg/l)
Minimum	<0.050	<50	<0.50	<0.50	<1.0	<0.50	9.2
Maximum	0.30	220	2.5	57	2.3	27,000	58

Notes:

µg/l Micrograms per liter (parts per billion)

mg/l milligrams per liter (parts per million)

14-11.06A(4) Submittals

14-11.06A(4)(a) Health and Safety Plan

Submit a site specific health and safety plan, signed by a CIH, for site personnel. Identify potential health and safety hazards associated with work involving petroleum and metals impacted soil and petroleum impacted groundwater that will be used to protect workers from those hazards in conformance with Title 8 and 22 of the CA Code of Regs. The health and safety plan must:

1. Identify key site safety personnel
2. Describe risks associated with the work
3. Specify training requirements
4. Specify appropriate personal protective equipment
5. Specify site-specific medical surveillance requirements
6. Specify air monitoring requirements
7. Define appropriate site work zones
8. Specify decontamination requirements

14-11.06A(4)(b) Safety Training Certification

Provide a certification of completion of the safety training program to personnel and submit copies as an informational submittal.

14-11.06A(4)(c) Excavation and Dewatering Plan

Submit an excavation and dewatering plan for the excavation and stockpiling of Type DC soil, and the dewatering and disposal of petroleum impacted water.

The plan must comply with Cal/OSHA regulations. The excavation and dewatering plan must include the following elements:

1. Excavation and stockpile schedule by locations and date and estimates of quantity to be stockpiled
2. Temporary locations of stockpiled material and stockpile management and procedures
3. Storage containers
4. Dust control measures
5. Dewatering methods and procedures
6. Dewatering equipment and containers
7. Name and address of the California permitted facility where the petroleum impacted water will be taken.

14-11.06A(4)(d) Groundwater Laboratory Analytical Results

Submit analytical test results of the petroleum-impacted groundwater, including chain of custody documentation, before removing the water from the job site.

14-11.06A(4)(e) Disposal Documentation

Submit documentation of proper disposal from the receiving disposal facility within 5 business days of petroleum-impacted groundwater transport from the job site.

14-11.06A(5) Notifications

Notify that a stockpile of Type DC soil is complete and ready for sampling. Notify no later than 24 hours after completion.

14-11.06A(6) Quality Control and Assurance

Laboratories used to perform groundwater analyses must be certified by the CDPH Environmental Laboratory Accreditation Program (ELAP) for all analyses to be performed.

Excavation, handling, and management of Type DC material and management and disposal of petroleum-impacted groundwater must comply with the requirements of the following agencies:

1. Central Valley RWQCB
2. San Joaquin County Air Pollution Control District (SJCAPCD)
3. CAL/OSHA
4. San Joaquin County Environmental Health Department (SJC/EHD)
5. DTSC

Laws and regulations that govern this work include:

1. Water Code, Division 7
2. Title 8, CA Code of Regs
3. Title 22, CA Code of Regs

14-11.06B Materials

Not Used

14-11.06C Construction

14-11.06C(1)General

Not Used

14-11.06C(2) Health and Safety Training Program

Before starting any activity that presents the potential for petroleum and metals exposure to employees including Department employees, provide a safety training program to these employees that communicates potential health and safety hazards associated with work involving petroleum impacted soil and instructs personnel in procedures for doing the work safely. Provide subsequent training required until completion of work. The level of training provided must be consistent with the person's job function and must conform to OSHA and CAL/OSHA regulations.

Supply training, personnel protective equipment, and medical surveillance required by the health and safety plan to 12 Department employees.

Continuously monitor the excavation site as it is excavated, using appropriate air monitoring devices consistent with the health and safety plan.

14-11.06C(3) Excavation

Type DC soil must be segregated and not mixed with material not suspected of contamination.

Transfer Type DC soil directly from the excavation to an approved stockpile location on the job site. Prevent the flow of surface runoff from entering the excavation area.

Notify the Engineer after the Type DC soil is excavated to the depths shown and stockpiled. The stockpile will be sampled and removed by other forces. Maintain adequate access for sampling and removal by other forces at all times.

If the soil analysis of Type DC soil is such that the material can be reused on the jobsite, you may submit a VECP.

Confirmation soil sampling results will be performed by others and could result in additional excavation and stockpiling. This work is change order work..

Continuously monitor the excavation site and excavated Type DC material as it is excavated, using appropriate air monitoring devices consistent with your health and safety plan. Prevent the flow of surface runoff from entering any excavated area.

14-11.06C(4) CIDH Concrete Piling Drilling Activities

Type DC drill cuttings must be segregated and not mixed with drill cuttings not suspected of contamination.

Transfer Type DC drill cuttings directly to a stockpile.

Notify the Engineer after the Type DC soil drilling is complete. The stockpile will be sampled and removed by other forces.

Continuously monitor the drilling site and Type DC drill cuttings, using appropriate air monitoring devices consistent with your health and safety plan.

14-11.06C(5) Dewatering

You are responsible for dewatering activities and management of the petroleum-impacted groundwater generated. During investigations performed in 2011 groundwater was encountered at 9 to 12 feet below ground surface. If groundwater or perched groundwater is encountered during excavation activities immediately notify the Engineer.

Pump and store groundwater, encountered during excavation and drillings activities into a holding tank. Displaced groundwater must not be allowed to flow from the immediate work area.

Conduct a daily inspection of the dewatering equipment, when in use, to ensure that all components are functional and routinely maintained to prevent leakage. Should any component of the dewatering equipment be damaged or affect the performance of the equipment, immediately discontinue the dewatering operation and repair the component or replace it with substitute equipment.

Comply with the provisions of the NPDES General Permit for *Storm Water Discharges Associated with Construction and Land Disturbance Activities* (Order No. 2009-0009-DWQ, NPDES No. CAS000002). You are responsible for penalties assessed or levied on you or the Department as a result of your failure to comply with the provisions in this section and as specified in section 7-1 and section 19-3.

You are responsible for sampling and analyzing groundwater within 5 days after completing dewatering activities or filling a holding tank in compliance with disposal facility requirements.

14-11.06C(6) Disposal

Dispose of the dewatered groundwater at an appropriate California permitted facility after laboratory analysis results are accepted.

Collect and dispose of used non-reusable protective equipment at an appropriately permitted disposal facility.

14-11.06D Payment

Additional Structure Excavation of CIDH concrete piling petroleum-impacted soil directed by the Engineer, is change order work. Disposal of ground water resulting from dewatering operations is change order work.

Add to section 19-6.03D:

Settlement periods and surcharges are required for bridge approach embankments as shown in the following table:

Bridge name or number	Abutment number	Bent number	Surcharge height (feet)	Settlement period (days)
29-0350	Abutment 1	-	1.5	120
29-0350	Abutment 22	-	0.0	120

^aAt this location, the surcharge embankment must be constructed by extending the grading plane (GP) in the "Elevation" view of the "Bridge Embankment Surcharge" detail of Standard Plan A62B horizontally to the centerline of abutment.

Settlement periods and surcharges are required for roadway embankments at the earth retaining structures as shown in the following table:

Earth retaining structure number	Surcharge height (feet)	Settlement period (days)
29E0011	1.5	120
29E0012	1.5	120
29E0013	1.5	120

Add to section 47-2.04:

Architectural treatment on MSE walls and coping on MSE walls are included in the payment for mechanically stabilized embankment.

Add to section 47-6.01A:

The alternative earth retaining system must be one of the systems shown in the following table:

Proprietary earth retaining system	Web site/e-mail	Address	Telephone no.
Reinforced Earth – 5 ft square (Steel strap soil reinforcement with 5 ft square concrete face panels)	http://www.reinforcedearth.com	THE REINFORCED EARTH COMPANY 1660 HOTEL CIR N STE 304 SAN DIEGO CA 92108-2803	(619) 688-2400
Retained Earth (Steel mesh soil reinforcement with 5 ft square concrete face panels)	http://www.reinforcedearth.com	THE REINFORCED EARTH COMPANY 1660 HOTEL CIR N STE 304 SAN DIEGO CA 92108-2803	(619) 688-2400
MSE Plus – 5 ft square (Steel mesh soil reinforcement with 5 ft square concrete face panels)	http://www.mseplus.com	SSL 4740 SCOTTS VALLEY DR STE E 209 SCOTTS VALLEY CA 95066-4240	(831) 430-9300

Add between the 5th and 6th paragraphs of section 51-1.04:

Payment for bar reinforcing steel, structure excavation and structure backfill used in constructing structural concrete for concrete barrier slab is included in the payment for structural concrete, barrier slab.

Add to section 51-1.04:

Payment for column protection is included in the payment for structural concrete, bridge.

BID ITEM LIST
10-0S1104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070030	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
2	080050	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM	LUMP SUM	
3	090100	TIME-RELATED OVERHEAD (WDAY)	WDAY	870		
4	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
5	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
6	120120	TYPE III BARRICADE	EA	30		
7	120165	CHANNELIZER (SURFACE MOUNTED)	EA	410		
8	128652	PORTABLE CHANGEABLE MESSAGE SIGN (LS)	LS	LUMP SUM	LUMP SUM	
9	129000	TEMPORARY RAILING (TYPE K)	LF	17,900		
10	129100	TEMPORARY CRASH CUSHION MODULE	EA	140		
11	025948	TEMPORARY CRASH CUSHION ABSORB 350	EA	22		
12	129150	TEMPORARY TRAFFIC SCREEN	LF	17,900		
13	130100	JOB SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
14	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
15	130310	RAIN EVENT ACTION PLAN	EA	93	500.00	46,500.00
16	130320	STORM WATER SAMPLING AND ANALYSIS DAY	EA	50		
17	130330	STORM WATER ANNUAL REPORT	EA	3	2,000.00	6,000.00
18	130505	MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	EA	12		
19	130520	TEMPORARY HYDRAULIC MULCH	SQYD	85,800		
20	130560	TEMPORARY SOIL BINDER	SQYD	15,000		

BID ITEM LIST
10-0S1104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	14,100		
42	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	160		
43	150722	REMOVE PAVEMENT MARKER	EA	1,320		
44	150742	REMOVE ROADSIDE SIGN	EA	21		
45	150757	REMOVE SIGN STRUCTURE (EA)	EA	2		
46	150809	REMOVE CULVERT (LF)	LF	160		
47	150820	REMOVE INLET	EA	7		
48	152370	RELOCATE MAILBOX	EA	1		
49	152390	RELOCATE ROADSIDE SIGN	EA	5		
50	152430	ADJUST INLET	EA	4		
51	BLANK					
52	155003	CAP INLET	EA	1		
53	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
54	190101	ROADWAY EXCAVATION	CY	59,400		
55	025949	ROADWAY EXCAVATION (TYPE DC MATERIAL)	CY	30,900		
56 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	332		
57	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	1,280		
58 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	220		
59	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	1,820		
60 (F)	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	CY	166		

**BID ITEM LIST
10-0S1104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	194001	DITCH EXCAVATION	CY	1,470		
62	198010	IMPORTED BORROW (CY)	CY	40,500		
63	198206	SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A1	SQYD	27,500		
64	205220	GRAVEL MULCH (SQFT)	SQFT	230,000		
65	208808	8" WELDED STEEL PIPE CONDUIT (.250" THICK)	LF	570		
66	210010	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	7		
67	210270	ROLLED EROSION CONTROL PRODUCT (NETTING)	SQFT	532,000		
68	210300	HYDROMULCH	SQFT	632,000		
69	210350	FIBER ROLLS	LF	7,350		
70	210420	STRAW	SQFT	147,000		
71	210430	HYDROSEED	SQFT	623,000		
72	210600	COMPOST	SQFT	623,000		
73	210630	INCORPORATE MATERIALS	SQFT	147,000		
74	250201	CLASS 2 AGGREGATE SUBBASE	CY	12,100		
75	260203	CLASS 2 AGGREGATE BASE (CY)	CY	13,300		
76	280000	LEAN CONCRETE BASE	CY	4,840		
77	390132	HOT MIX ASPHALT (TYPE A)	TON	9,960		
78	BLANK					
79	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	250		
80	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	2,350		

BID ITEM LIST
10-OS1104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
102 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	77		
103 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	14,500		
104 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	721		
105 (F)	510072	STRUCTURAL CONCRETE, BARRIER SLAB	CY	535		
106 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	185		
107 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	35		
108 (F)	044347	ARCHITECTURAL TEXTURE (COLUMN)	SQFT	17,560		
109	044348	ARCHITECTURAL MEDALLION	EA	64		
110	044349	FURNISH PRECAST PRESTRESSED CONCRETE WIDE-FLANGE GIRDER (100'-110')	EA	17		
111	044350	FURNISH PRECAST PRESTRESSED CONCRETE WIDE-FLANGE GIRDER (110'-120')	EA	23		
112	044351	FURNISH PRECAST PRESTRESSED CONCRETE WIDE-FLANGE GIRDER (120'-130')	EA	24		
113	044352	FURNISH PRECAST PRESTRESSED CONCRETE WIDE-FLANGE GIRDER (130'-140')	EA	40		
114	044353	FURNISH PRECAST PRESTRESSED CONCRETE WIDE-FLANGE GIRDER (140'-150')	EA	40		
115	044354	FURNISH PRECAST PRESTRESSED CONCRETE WIDE-FLANGE GIRDER (150'-160')	EA	39		
116	512500	ERECT PRECAST PRESTRESSED CONCRETE GIRDER	EA	183		
117	519091	JOINT SEAL (MR 1 1/2")	LF	242		
118	519092	JOINT SEAL ASSEMBLY (MR 2 1/2")	LF	88		
119	519094	JOINT SEAL ASSEMBLY (MR 3 1/2")	LF	248		
120	519095	JOINT SEAL ASSEMBLY (MR 4")	LF	168		

BID ITEM LIST
10-0S1104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
221	025977	SIGNAL AND LIGHTING (STAGE CONSTRUCTION)	LS	LUMP SUM	LUMP SUM	
222	860251	SIGNAL AND LIGHTING (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
223	860252	SIGNAL AND LIGHTING (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
224	025978	LIGHTING (COUNTY)	LS	LUMP SUM	LUMP SUM	
225	860460	LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
226	860771	COMMUNICATION CONDUIT (LS)	LS	LUMP SUM	LUMP SUM	
227	860930	TRAFFIC MONITORING STATION	LS	LUMP SUM	LUMP SUM	
228	BLANK					
229	150763	REMOVE SIGN PANEL	EA	1		
230	150854	REMOVE CONCRETE PAVEMENT (CY)	CY	1,600		
231	153140	REMOVE CONCRETE SIDEWALK (SQYD)	SQYD	870		
232	026655	REMOVE CONCRETE DRIVEWAY (SQYD)	SQYD	1,340		
233	153215	REMOVE CONCRETE (CURB AND GUTTER)	LF	4,490		
234	568016	INSTALL SIGN PANEL ON EXISTING FRAME	SQFT	1,680		
235	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$
