

**DEPARTMENT OF TRANSPORTATION**  
DIVISION OF ENGINEERING SERVICES  
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*Flex your power!  
Be energy efficient!*

September 25, 2009

04-SF-101,1-9.2/9.8, 6.8/7.1  
04-163734  
ACBRNH-X075(027)N

Addendum No. 7

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN THE CITY AND COUNTY OF SAN FRANCISCO ON ROUTE 101 FROM 0.3 MILE SOUTH TO 0.4 MILE NORTH OF ROUTE 101/1 SEPARATION AND ON ROUTE 1 FROM RUCKMAN AVENUE UNDERCROSSING TO ROUTE 101/1 SEPARATION.

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, October 7, 2009.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, the Bid book, the Federal Minimum Wages with Modification Number 36 dated 09/04/09, and provide a copy of the Information Handout.

Project Plan Sheets 55, 67, 84, 100, 104, 110, 111, 114, 115, 117, 118, 119, 121, 138, 353, 354, 372, 426, 427, 485, 487, 500 and 501 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 99A, 99B, 99C and 99D are added. Copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, Section 5-1.065 is added as follows:

**"5-1.065 RESPONSIBILITY TO OTHER ENTITIES**

The Contractor shall be responsible for any liability imposed by law and for injuries to or death of any person including, but not limited to, workers and the public or damage to property, and shall indemnify and save harmless, the State of California and the Department, the United States, the Presidio Trust, the Golden Gate Bridge, Highway and Transportation District, the City and County of San Francisco, the San Francisco County Transportation Authority, the National Park Service, the Federal Highway Administration, and their officers, directors, agents, subsidiaries, parents, and employees connected with the work, within the limits of which county, city or district the work is being performed, all in the same manner and to the same extent conforming to the provisions in Section 7-1.12, "Indemnification and Insurance," of the Standard Specifications, for the protection of the State of California and all officers and employees thereof connected with the work."

In the Special Provisions, Section 5-1.09, "SUPPLEMENTAL PROJECT INFORMATION," in the table entry for items "Included in the Information Handout," "Department of Toxic Substances Control (DTSC) Information Advisory for Clean Imported Fill Material (dated October 2001)" and "Development of Presidio-Wide Cleanup Levels for Soil, Sediment, Groundwater, and Surface Water," dated October 30, 2002 and Table 7-6 revised May 2006" are added.

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In the Special Provisions, Section 5-1.19, "OWNER CONTROLLED INSURANCE PROGRAM (OCIP)," subsection "CONTRACTOR-FURNISHED INSURANCE," sub-subsection "Required Contractor-Furnished Insurance Limits," the second paragraph is revised as follows:

"The State of California and the Department, the United States, the Presidio Trust, the Golden Gate Bridge, Highway and Transportation District, the City and County of San Francisco, the San Francisco County Transportation Authority, the National Park Service, the Federal Highway Administration, and their officers, directors, agents, subsidiaries, parents, and employees shall be added as additional insureds for automobile liability, general liability, and umbrella or excess liability arising out of or connected with work performed by or on behalf of the Contractor. Additional insured coverage shall be as broad as form CG 2010 for general liability and umbrella or excess liability. The endorsement must be separately attached to the certificate of insurance and must list the project number and the entities listed above as additional insureds."

In the Special Provisions, Section 5-1.20, "NATIONAL PARK REGULATIONS," is added as attached.

In the Special Provisions, Section 10-1.26, "TEMPORARY SUPPORTS," subsection "REMOVING TEMPORARY SUPPORTS," is deleted.

In the Special Provisions, Section 10-1.26, "TEMPORARY SUPPORTS," subsection "PAYMENT," is revised as follows:

"The contract lump sum price paid for temporary supports shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in designing, constructing, maintaining, and relinquishing the temporary supports in-place to the Department upon relief from maintenance and responsibility, including jacking the existing structure and monitoring displacements, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer."

In the Special Provisions, Section 10-1.35, "SOUND CONTROL AND MONITORING REQUIREMENTS," is revised as attached.

In the Special Provisions, Section 10-1.42, "MAINTAINING TRAFFIC" the following paragraphs are added before the "Lane Closure Restriction for Designated Legal Holidays and Special Days" table:

"The Contractor shall meet with contractors for adjacent projects to coordination traffic control.  
The Contractor shall coordinate with special events at The Presidio. Information is provided at:  
<http://www.presidio.gov/tenants/live/>."

In the Special Provisions, Section 10-1.42, "MAINTAINING TRAFFIC," Chart No 13 is added as attached.

In the Special Provisions, Section 10-1.57, "MATERIAL CONTAINING NATURALLY OCCURRING ASBESTOS," the first paragraph is revised as follows:

"This work includes handling, stockpiling, transporting, and disposing of material containing naturally occurring asbestos (NOA). The State regulates material containing NOA and material from areas where serpentine or ultramafic rock is present. Material containing NOA is material containing 0.25 percent or greater concentration of asbestos. Naturally occurring asbestos (NOA) is present within the job site limits. The maximum tested levels of NOA range from 0.75 percent asbestos in soil to 5 percent asbestos in serpentine rock as analyzed by California Air Resources Board (CARB) Test Method 435. Use of excavated material containing naturally occurring asbestos (NOA) in the proposed construction is not approved."

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In the Special Provisions, Section 10-1.57, "MATERIAL CONTAINING NATURALLY OCCURRING ASBESTOS," subsection "SUBMITTALS," the second paragraph is revised as follows:

"Submit a dust control plan (DCP) approved by the APCD or Air Quality Management District to the Engineer for acceptance at least 15 days before starting work in areas containing NOA."

In the Special Provisions, Section 10-1.57, "MATERIAL CONTAINING NATURALLY OCCURRING ASBESTOS," subsection "MEASUREMENT AND PAYMENT," the fourth and fifth paragraphs are revised as follows:

"Full compensation for handling, transporting and disposing of material containing greater than or equal to 1 percent of NOA to an appropriately permitted landfill facility, including providing copies of disposal documents to the Engineer, is included in the contract price paid per cubic yard for the items of structure excavation (serpentine) of the types involved, and no additional compensation will be allowed therefor.

Full compensation for handling, transporting and disposing of material containing less than 1 percent of NOA is included in the contract price paid per cubic yard for the items of roadway excavation (naturally occurring asbestos) and structure excavation (naturally occurring asbestos) of the types involved, and no additional compensation will be allowed therefor."

In the Special Provisions, 10-1.76, "PILING," subsection "MEASUREMENT AND PAYMENT (PILING)," the fifth paragraph is revised as follows:

"The contract price paid per linear foot for permanent steel casing of the sizes listed in the Engineer's Estimate shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing permanent steel casings, complete in place, including shear rings, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer."

In the Special Provisions, Section 10-1.78, "CONCRETE STRUCTURES," subsection "FALSEWORK," the following is added after the second paragraph:

"For Bridge No. 34-0157L, Presidio Viaduct-Left, and Bridge No. 34-160G N1-S101 Connector, the following shall apply:

1. The falsework deflections due to the concrete loading only shall not exceed the lesser of 2 inches or 1/240 of the falsework span, irrespective of the deflection compensated for by the use of camber strips unless otherwise approved by the Engineer.

2. The falsework drawings shall include a superstructure placing diagram showing the concrete placing sequence, construction joint locations, forming plan, steel fin support system and method of controlling line and grade during concrete placement."

In the Special Provisions, Section 10-1.104, "MISCELLANEOUS METAL (BRIDGE)," the third paragraph is revised as follows:

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"Miscellaneous metal (bridge) shall consist of the miscellaneous bridge metal items listed in Section 75-1.03, "Miscellaneous Bridge Metal," of the Standard Specifications and the following:

- A. Ladder assemblies
- B. Soffit access assemblies
- C. Straps, manhole cover and frame, bolts and inserts for isolation casing detail
- D. NPS 8 Pipe Double (XX) Strong
- E. Future California ST-10 Bridge Rail cast-in-place anchorages
- F. Base plate assemblies for California ST-10 Bridge Rail at bridge seismic joints."

In the Bid book, in the "Bid Item List," Items 144, 255, 258, 291 and 294 are revised, and Items 225 is added as attached.

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To Bid book holders:

Replace pages 11, 14A, 14B and 14D of the "Bid Item List" in the Bid book with the attached revised pages 11, 14A, 14B and 14D of the Bid Item List. The revised Bid Item List is to be used in the bid.

Attached is an additional copy of the Information Handout.

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/04/04-163734](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/04/04-163734)**

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,

ORIGINAL SIGNED BY

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

Attachments

### 5-1.20 NATIONAL PARK REGULATIONS

This project is located within the limits of Presidio Trust National Park. The work shall be performed in conformance with Federal laws and with the regulations of the Department of Interior governing preservation of historical and natural features of parks and improvements therein.

Historical features, trees and other natural features within the park area shall be protected and safeguarded.

The Presidio is a converted national park. The prior use of the Presidio was a military base. The Presidio has two site clean up documents.

These two documents are available as specified in "Supplemental Project Information" of these special provisions:

- A. Department of Toxic Substances Control (DTSC) Information Advisory for Clean Imported Fill Material (dated October 2001).
- B. Development of Presidio-Wide Cleanup Levels for Soil, Sediment, Groundwater, and Surface Water," dated October 30, 2002 and Table 7-6 revised May 2006.

Imported embankment will comply with the two Presidio site cleanup documents, listed above in this special provision and these special provisions.

Imported embankment is material, including but not limited to, imported topsoil, imported borrow and imported borrow (lightweight aggregate), used for embankment construction.

Imported embankment shall not contain any elements or compounds that could result in the imported embankment being characterized as a hazardous waste as defined in Title 22 Division 4.5 Chapter 11 of the California Code of Regulation and Title 40 Part 261 of the Code of Federal Regulations.

The evaluation of imported embankment shall be in compliance with the Department of Toxic Substances Control (DTSC) Information Advisory for Clean Imported Fill Material (Dated October 2001). The imported embankment shall meet the requirements of Presidio Trust Cleanup Levels as stated in Chapter 7 of the following document: "Development of Presidio-Wide Cleanup Levels for Soil, Sediment, Groundwater, and Surface Water," dated October 30, 2002 and Table 7-6 revised May 2006. The evaluation shall be performed by or under the direction of an engineer registered as a civil engineer in California or a geologist registered as a geologist in California.

The Contractor shall provide the Engineer a "Notice of Materials to be used" (CEM-3101) describing the location and historic land use of the proposed source of imported embankment.

The Contractor shall submit the imported embankment compliance data ("Notice of Materials to be used") to the Engineer for acceptance 30 days prior to the placement of any imported embankment. The Contractor shall be responsible for the removal of any imported embankment that does not comply with these special provisions and has not been approved by the Engineer. The Engineer shall have 15 days to review the compliance data and provide a written determination.

Full compensation for conforming to the provisions, including providing compliance data, collecting and analyzing samples of imported embankment in this section shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed therefor.

## 10-1.35 SOUND CONTROL AND MONITORING REQUIREMENTS

### GENERAL

#### Summary

This work includes developing a sound control plan, implementing sound control measures, monitoring sound levels during construction, and providing a sound meter to the Engineer.

Comply with the second paragraph of 14-8.02, "Noise Control," of the Standard Specifications and these special provisions. The first paragraph of Section 14-8.02 does not apply.

#### Definitions

**audio recording:** Sound captured to a medium that can be played back to the user as a listenable representation of the original sound. An audio recording is of sufficient fidelity or quality to be useful for the identification of the source(s) of the recorded sound(s).

**average sound level (Leq):** The sound pressure level time-averaged over a specified time period.

**baseline ambient sound levels:** Reference sound levels derived from a baseline ambient measurement assessment. They are the hourly Leq and Lmax for each receptor location as shown in the contract plans.

**exceedance event:** The event marked by a measured sound level that exceeds a numerical threshold value preset for each sound monitor.

**hourly average sound level (hourly Leq):** The average sound level measured over a one-hour time period.

**hourly maximum sound level (hourly Lmax):** The maximum sound level measured during a one-hour time period.

**maximum sound level (Lmax):** The maximum "slow" exponential time-weighted sound pressure level that occurs during a specified time period.

**normal work hours:** Monday through Friday 7:00 am to 7:00 pm and Saturdays 9:00 am to 6:00 pm.

**noise restricted work hours:** Monday through Thursday 7:00 pm to 7:00 am, Friday 7:00 pm to Saturday 9:00 am, Saturday 6:00 pm to Monday 7:00 am.

**receptor location:** Locations where baseline ambient sound levels are measured and contract noise monitoring devices will be placed as shown in the contract plans.

**sound level:** The "slow" exponential time-weighted sound pressure level.

**sound pressure level:** The A-weighted root-mean-square (RMS) sound pressure expressed in decibels (dBA) with respect to a reference sound pressure of 20 micropascals.

#### Submittals

##### Sound Control Plan

At least 5 days before starting operations at the job site, submit 3 copies of a Sound Control Plan (SCP) to the Engineer for review and approval in conformance with Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications. The SCP must include:

1. Work to be performed along with planned work durations.
2. Type and location of stationary construction equipment and facilities.
3. Type and quantity of mobile construction equipment.
4. Estimated sound levels throughout the operating cycle of stationary and mobile construction equipment reported at a distance of 50 feet from the equipment.
5. Proposed sound control measures to satisfy the project noise criteria.
6. Calculations approved by the Engineer demonstrating that the Contractor's operations utilizing the equipment and sound mitigation methods identified in this SCP are expected to satisfy the project noise criteria.
7. Contingency measures to be implemented in the event that Contractor's operations do not comply with the project noise criteria.
8. Detailed information on proposed procedures to conduct the sound monitoring.

After the SCP is submitted, allow the Engineer 5 days to review and respond to the SCP. Allow the Engineer an additional 5 days for review and response to any SCP re-submittals or revisions. Do not start construction activities on site until the Engineer has reviewed and approved the SCP in writing.

### **Schedule of Values**

Submit a schedule of values that shows a breakdown of costs of labor and equipment divided by the major portions of the work. The sum of the items listed in the schedule of values must equal the contract lump sum price for sound control and monitoring. The schedule of values must be approved by the Engineer before any partial payment estimate is prepared.

### **Quality Control and Assurance**

#### **Project Noise Criteria**

Except for the work described below, the average hourly noise level (hourly Leq) and hourly maximum sound level (Lmax) from the Contractor's operations must not exceed the baseline Leq or baseline Lmax by more than 5 dBA measured at the 18 receptor locations:

1. Work performed during normal work hours
2. Continuous operations for the weekend traffic switch between stages or to final traffic configuration (requires 2 weeks notice)
3. Column and abutment concrete pours (requires 2 weeks notice)
4. Superstructure concrete pours (requires 2 weeks notice)
5. Bridge deck concrete pours (requires 2 weeks notice)
6. CIDH pile concrete pours (requires 2 weeks notice)
7. Welding for CIDH pile casing splices (requires 2 weeks notice)
8. Rock socket construction: drilling through concrete placement (requires 2 weeks notice)
9. Work, during noise restricted work hours, performed on mainline Hwy 1, mainline Hwy 101 and their ramps as required by the lane closure charts (requires 2 weeks notice)

#### **Independent Acoustical Engineer**

Provide an independent acoustical engineer, acceptable to the Engineer, having at least 3 years of demonstrated experience in noise engineering. The acoustical engineer is responsible for:

1. Developing the sound control plan
2. Monitoring compliance with the sound control plan
3. Monitoring sound levels during construction.

### **MATERIALS**

#### **Sound Level Meters**

Sound level meters must:

1. Be Type 1 or Type 2 integrating-averaging sound level meters that comply with ANSI S1.4-1983 (R2006), "American National Standard Specification for Sound Level Meters," and ANSI S1.43-1997 (R2007), "American National Standard Specification for Integrating-Averaging Sound Level Meters."
2. Be housed in a weather-resistant enclosure.
3. Have an exterior weather-resistant microphone and windscreen.
4. Have an internal time clock.
5. Be capable of running continuously for at least 12 hours
6. Have wireless networking capability.

Service sound level meters before each measurement period at least on a weekly basis for the first month and then at least on a monthly basis following the first month to verify proper operation, including acoustical calibration. Replace or repair inoperative or malfunctioning sound monitors within 48 hours, and annotate the acoustical data management system accordingly. Synchronize and set the time clocks of all sound level meters per local job site time.

Provide one Quest 2200 "Type 2" sound level meter, or equivalent, and one acoustic calibrator which will be used by the Department during the life of the contract. Provide training by a person trained in noise monitoring to one Department employee designated by the Engineer. Have the sound level meter calibrated and certified by the manufacturer or other independent acoustical laboratory before delivery to the Department. Provide annual recalibration by the manufacturer or other independent acoustical laboratory. All equipment must be capable of taking measurements using the A-weighting network and the "slow" response of the sound level meter. The measurement microphone must be fitted with an appropriate windscreen. All equipment will be returned to the Contractor at the acceptance of the contract. Equipment damaged by actions of the Department or the public shall be paid for as extra work as provided in Section 4-1.03D for the Standard Specifications.

## **MONITORING**

When work is performed during normal work hours and noise restricted work hours, including work excepted above, perform noise monitoring at the 18 receptor locations. The noise monitoring equipment must be capable of providing a real time alert to the Contractor's superintendent and the Engineer when noise levels (Lmax or Leq) are exceeded. The sound monitoring system must store the following measured acoustical data:

1. Hourly Leq, hourly Lmax
2. Start time and duration of each exceedance event
3. The maximum sound level measured during each exceedance event
4. Continuous audio recordings
  - 4.1 If no exceedance event occurs, the audio recordings may be deleted after 48 hours.
  - 4.2 Retain at least sixty (60) seconds of audio recording directly preceding and following the exceedance event for submission to the Engineer

Provide the Engineer with a daily summary of all noise monitoring data and audio recordings of exceedance events in a format suitable to the Engineer. The daily summary shall include descriptions of operations including time and locations of work. Copies of all documentation must be kept for the length of the project. The daily report shall be signed by the Contractor's project manager or project engineer.

Should the noise level of work during noise restricted work hours exceed 5 dba above baseline ambient sound levels noise at the receptor locations the operation causing that noise must be ceased immediately. Before resuming this work, submit a revised SCP detailing new, revised or additional measures to mitigate the noise. Do not resume work until the Engineer has approved, in writing, the revised plan.

The Contractor shall minimize noise levels of work during normal work hours to maximum extent possible by applying industry recognized best practices measures.

The noise level requirements apply to the equipment on the job or related to the job, including but not limited to trucks, transit mixers or transient equipment that may or may not be owned by the Contractor. The use of loud sound signals shall be avoided in favor of light warnings except those required by safety laws for the protection of personnel.

Attention is directed to "Order of Work", "Time of Completion" and "Maintaining Traffic" of these special provisions.

Attention is directed to "Progress Schedule Method," and "Cooperation," of these special provisions. A detailed month ahead schedule showing work to be performed, equipment to be used, locations of work and work hours of specific operations must be submitted prior to the start of work on the project site. Updates shall be submitted every 2 weeks for the duration of the project. Changes may be submitted on a daily basis to the Engineer before 9:00 a.m. each working day, and shall be approved by the Engineer. Work performed during noise restricted work hours that is expected to exceed 5 dba over baseline ambient sound levels noise requires two weeks notice.

## **MEASUREMENT AND PAYMENT**

The contract lump sum price paid for sound control and monitoring includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and doing all the work involved in complying with sound control and monitoring requirements, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

**Chart No. 13  
Complete Freeway/Expressway Closure Hours**

County: SF	Route/Direction: NB Rte-1	PM:5.9-7.1
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Closure Limits: Beginning at Lake St.

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays																										
Fridays	C	C	C	C	C																					
Saturdays	C	C	C	C	C																					
Sundays	C	C	C	C	C																					

Legend:

C	Freeway or expressway may be closed completely.
	No complete freeway or expressway closure is permitted.

REMARKS: Detour: Use NB-1 to EB Geary to NB Van Ness. Maximum 8-full closures are permitted.

**BID ITEM LIST**  
**04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141 (F)	042208	BAR REINFORCING STEEL (BRIDGE) (TEMPORARY WIDENING)	LB	63,500		
142 (F)	042209	BAR REINFORCING STEEL (BRIDGE) (TEMPORARY BRIDGE)	LB	258,000		
143 (F)	520120	HEADED BAR REINFORCEMENT	EA	220		
144 (F)	550102	STRUCTURAL STEEL (BRIDGE)	LB	71,000		
145 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	LB	43,900		
146 (F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	LB	43,900		
147	560233	FURNISH FORMED PANEL SIGN (OVERHEAD)	SQFT	600		
148	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	100		
149	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	220		
150	560252	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-FRAMED)	SQFT	200		
151	561016	60" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	110		
152	562004	METAL (RAIL MOUNTED SIGN)	LB	1,030		
153	566011	ROADSIDE SIGN - ONE POST	EA	25		
154	566012	ROADSIDE SIGN - TWO POST	EA	4		
155	590115	CLEAN AND PAINT STRUCTURAL STEEL	LS	LUMP SUM	LUMP SUM	
156	620060	12" ALTERNATIVE PIPE CULVERT	LF	140		
157	620080	15" ALTERNATIVE PIPE CULVERT	LF	62		
158	620100	18" ALTERNATIVE PIPE CULVERT	LF	3,300		
159	620180	30" ALTERNATIVE PIPE CULVERT	LF	490		
160	620340	54" ALTERNATIVE PIPE CULVERT	LF	410		

## BID ITEM LIST

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
221 (F)	560208	FURNISH SIGN STRUCTURE (TUBULAR)	LB	38,370		
222 (F)	560209	INSTALL SIGN STRUCTURE (TUBULAR)	LB	38,370		
223	BLANK					
224	042231	ARCHITECTURAL TEXTURE (LIGHT BOARD FINISH)	SQFT	5,270		
225	703533	12" WELDED STEEL PIPE (.250" THICK)	LF	390		
226	BLANK					
227	BLANK					
		ALTERNATIVE A				
228	157551	BRIDGE REMOVAL, LOCATION A	LS	LUMP SUM	LUMP SUM	
229 (F)	042184	STRUCTURE EXCAVATION (BRIDGE) (NATURALLY OCCURING ASBESTOS)	CY	600		
230 (F)	042187	STRUCTURE EXCAVATION (BRIDGE) (SERPENTINE)	CY	125		
231 (F)	042188	STRUCTURE EXCAVATION (RETAINING WALL) ( NATURALLY OCCURING ASBESTOS)	CY	260		
232 (F)	192053	STRUCTURE EXCAVATION (TYPE Z- 2) (AERIALY DEPOSITED LEAD)	CY	340		
233 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	430		
234 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	350		
235	042192	144" PERMANENT STEEL CASING	LF	485		
236	490603	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	918		
237	042193	144" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	485		
238	490683	24" CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	LF	790		

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REVISED PER ADDENDUM NO. 7 DATED SEPTEMBER 25, 2009

**BID ITEM LIST****04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
239	042194	102" CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	LF	45		
240	042195	138" CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	LF	262		
241	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
242	042196	PRESTRESSING CAST-IN-PLACE CONCRETE (TRANSVERSE)	LS	LUMP SUM	LUMP SUM	
243	042197	PRESTRESSING CAST-IN-PLACE CONCRETE (HS BARS)	LS	LUMP SUM	LUMP SUM	
244 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	160		
245 (F)	50053	STRUCTURAL CONCRETE, BRIDGE	CY	9,900		
246 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	170		
247 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	60		
248	518051	PTFE SPHERICAL BEARING	EA	12		
249	042205	SEISMIC JOINT (ABUTMENT 1)	LS	LUMP SUM	LUMP SUM	
250	042206	SEISMIC JOINT (ABUTMENT 7)	LS	LUMP SUM	LUMP SUM	
251	042207	SEISMIC JOINT (HINGE 1)	LS	LUMP SUM	LUMP SUM	
252 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	4,392,000		
253 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	13,000		
254 (F)	520120	HEADED BAR REINFORCEMENT	EA	14,000		
255 (F)	550102	STRUCTURAL STEEL (BRIDGE)	LB	470,000		
256	590115	CLEAN AND PAINT STRUCTURAL STEEL	LS	LUMP SUM	LUMP SUM	
257 (F)	750041	ISOLATION CASING	LB	18,700		
258 (F)	750501	MISCELLANEOUS METAL (BRIDGE)	LB	12,000		

**BID ITEM LIST****04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
277	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
278	042196	PRESTRESSING CAST-IN-PLACE CONCRETE (TRANSVERSE)	LS	LUMP SUM	LUMP SUM	
279	042197	PRESTRESSING CAST-IN-PLACE CONCRETE (HS BARS)	LS	LUMP SUM	LUMP SUM	
280 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	160		
281 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	9,900		
282 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	170		
283 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	60		
284	518051	PTFE SPHERICAL BEARING	EA	12		
285	042205	SEISMIC JOINT (ABUTMENT 1)	LS	LUMP SUM	LUMP SUM	
286	042206	SEISMIC JOINT (ABUTMENT 7)	LS	LUMP SUM	LUMP SUM	
287	042207	SEISMIC JOINT (HINGE 1)	LS	LUMP SUM	LUMP SUM	
288 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	4,100,000		
289 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	13,000		
290 (F)	520120	HEADED BAR REINFORCEMENT	EA	19,000		
291 (F)	550102	STRUCTURAL STEEL (BRIDGE)	LB	470,000		
292	590115	CLEAN AND PAINT STRUCTURAL STEEL	LS	LUMP SUM	LUMP SUM	
293 (F)	750041	ISOLATION CASING	LB	19,200		
294 (F)	750501	MISCELLANEOUS METAL (BRIDGE)	LB	12,000		
295 (F)	750505	BRIDGE DECK DRAINAGE SYSTEM	LB	19,400		
296 (F)	042210	BRIDGE DECK DRAINAGE SYSTEM (TEMPORARY)	LB	25,000		

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REVISED PER ADDENDUM NO. 7 DATED SEPTEMBER 25, 2009