

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

September 10, 2009

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

Addendum No. 5

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 Thursday, September 24, 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 a portion of the Information Handout.

Project Plan Sheets 353, 354, 355, 369, 370, 371, 372, 375, 376, 377, 378, 379, 380, 381, 382, 383, 404, 494, 529, 532, 533, 555, 558, 559 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 383A, 383B, 383C, 383D, 383E, 383F, 383G, 383H, 383I are added. Copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, Section 2-1.005, "GENERAL," is added as follows:

"2-1.005 GENERAL

This contract contains alternative work items. Your bid must include all of the work for the items of work in the Bid Item List and 1 of the alternative work items. The alternative work items are described as:

ALTERNATIVE A: Construct a six span cast-in-place prestressed reinforced concrete box girder bridge with transverse post tensioned bridge deck and structural steel "fin" trusses under the deck overhangs that is 1,340 feet long and varies in width from approximately 51 to 97 feet wide founded on 12 foot diameter CIDH piles with Class R permanent steel casings at Bents 2, 3, and 4.

ALTERNATIVE B: Construct a six span cast-in-place prestressed reinforced concrete box girder bridge with transverse post tensioned bridge deck and structural steel "fin" trusses under the deck overhangs that is 1,340 feet long and varies in width from approximately 51 to 97 feet wide founded on 10 foot diameter CIDH piles with Class N permanent steel casings at Bents 2, 3, and 4.

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In the Special Provisions, Section 5-1.09, "SUPPLEMENTAL PROJECT INFORMATION," in the table entry for items "Included in the Information Handout" "FOUNDATION REPORTS," "G. Presidio Viaduct SB - Supplemental Foundation Report; dated September 9, 2009" is added.

In the Special Provisions, Section 9, "DESCRIPTION OF BRIDGE WORK," subsection "PRESIDIO VIADUCT - LEFT," is revised as follows:

**"PRESIDIO VIADUCT - LEFT
(Bridge No. 34-0157L)**

ALTERNATE A

Construct a six span cast-in-place prestressed reinforced concrete box girder bridge with transverse post tensioned bridge deck and structural steel "fin" trusses under the deck overhangs that is 1,340 feet long and varies in width from approximately 51 to 97 feet wide.

The bridge is to be founded on 144-inch diameter CIDH piles with Class R permanent steel casings at Bents 2, 3, and 4, as shown on the plans.

ALTERNATE B

Construct a six span cast-in-place prestressed reinforced concrete box girder bridge with transverse post tensioned bridge deck and structural steel "fin" trusses under the deck overhangs that is 1,340 feet long and varies in width from approximately 51 to 97 feet wide.

The bridge is to be founded on 123-inch diameter CIDH piles with Class N permanent steel casings at Bents 2, 3, and 4, as shown on the plans."

In the Special Provisions, Section 10-1.005, "ALTERNATIVE CONSTRUCTION," is added as attached.

In the Special Provisions, Section 10-1.76, "PILING," subsection "STEEL PIPE PILING," is revised as attached.

In the Special Provisions, Section 10-1.76, "PILING," subsection "NONDESTRUCTIVE TESTING OF CLASS N STEEL PIPE PILING," is added before subsection "MEASUREMENT AND PAYMENT," as attached.

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

"The Contractor's choice to utilize the optional construction joint for permanent steel casing shown on the plans shall be considered as included in the contract prices paid per linear foot for cast-in-drilled-hole concrete piling of the types and sizes listed in the Engineer's Estimate, and no separate payment will be made therefor.

Full compensation for conforming to the provisions in "Steel Pipe Piling" and "Nondestructive Testing of Class N Steel Pipe Piling" of these special provisions shall be considered as included in the contract prices paid for the various items of work involved, and no additional compensation will be allowed therefor."

In the Special Provisions, Section 10-1.84, "ARCHITECTURAL TEXTURE AND ARCHITECTURAL TREATMENT," is replaced with Section 10-1.84, "ARCHITECTURAL TEXTURE," as attached.

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In the Bid book, in the "Bid Item List," Items 71, 74, 75, 78, 79, 82, 105, 109, 110, 115, 117, 121, 123, 139, 140, 143, 144, 175, 176, 177, 178, 191 are revised, Items 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298 and 299 are added and Items 59, 104, 108, 111, 112, 114, 131, 136, 137, 138, 223 are deleted as attached.

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.

Attached is a copy of the "Supplemental Foundation Report, Presidio Viaduct SB, dated September 8, 2009" for inclusion in 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

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

10-1.005 ALTERNATIVE CONSTRUCTION

The Contractor shall construct the Presidio Viaduct - Left (Bridge No. 34-0157L) in accordance with one of the alternative designs as shown on the plans, as described in "Description of Bridge Work" of these special provisions, as set forth in the Engineer's Estimate, and as specified herein. The alternative to be constructed shall be the alternative upon which the bid was submitted and the award of the contract was made.

STEEL PIPE PILING

GENERAL

Summary

Steel pipe piling shall consist of unfilled steel pipe piling, steel shells for open and closed ended cast-in-steel-shell concrete piling, and permanent steel casing for cast-in-drilled-hole concrete piling. Steel pipe piling shall conform to the provisions in Section 49-5, "Steel Piles," of the Standard Specifications and these special provisions.

Steel pipe piling listed in the following table and as shown on the plans at these locations shall be designated as Class N steel pipe piling:

Bridge	Bent Number
Presidio Viaduct – Left Bridge No. 34-0157L	Bent 2 - Alternative B
	Bent 3 - Alternative B
	Bent 4 - Alternative B

Steel pipe piling not listed above as Class N steel pipe piling shall be designated as Class R steel pipe piling.

Submittals

Steel pipe piling qualification audits shall be submitted in conformance with the provisions in "Steel Pipe Piling Qualification Audit" of these special provisions.

A Certificate of Compliance demonstrating material traceability shall be furnished in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications, and shall be signed by the facility's authorized Quality Control Representative. The Quality Control Representative shall be on record with the Department's Office of Structural Materials. The Certificate of Compliance shall include:

1. A statement that all materials and workmanship incorporated in the work and all required tests and inspections of this work have been performed in conformance with the details shown on the plans and these special provisions.
2. An attached certified mill test report (MTR) for each heat number of steel pipe piles being furnished.
3. The carbon equivalency (CE) calculated as $CE=C + (Mn+Si)/6 + (Cr+Mo+V)/5 + (Ni+Cu)/15$. The CE shall be 0.45% maximum and may be shown on the MTR.

The Contractor shall submit a TL-38 Inspection Request form at least:

1. 48 hours before performing any field welding of steel pipe piling.
2. 10 days before performing any welding of Class N steel pipe piling.

The TL-38 Inspection Request form is available at:

<http://www.dot.ca.gov/hq/esc/Translab/OSM/smbforms.htm>

Working drawings shall be submitted to the Engineer before attaching handling devices to steel pipe piling. Working drawings shall include locations, handling and fitting device details, and connection details. Attachments shall not be made to steel pipe piling until the working drawings are approved in writing by the Engineer. The Contractor shall allow the Engineer 7 days for review.

MATERIALS

General

The provisions of "Welding Quality Control" of these special provisions shall not apply to longitudinal, skelp end, or spiral seam welds in steel pipe piling.

Circumferential welds shall conform to "Welding Quality Control" of these special provisions and the following:

1. Circumferential welds shall be complete joint penetration welds conforming to AWS D1.1.
2. Welds shall be located at least 12 inches away from a skelp end weld.

3. Backing rings shall conform to the following:
 - 3.1. The minimum thickness shall be 1/4 inch and the backing ring shall be continuous.
 - 3.2. Splices in the backing ring shall be made by complete joint penetration welds. These welds shall be completed and inspected, including any required nondestructive testing, before final insertion into a pipe end.
 - 3.3. The attachment of backing rings to pipe ends shall be done using the minimum size and spacing of tack welds that will securely hold the backing ring in place. Tack welding shall be done in the root area of the weld splice. Cracked tack welds shall be removed and replaced before subsequent weld passes.
 - 3.4. The gap between the backing ring and the steel pipe piling wall shall not be greater than 5/64 inch. One localized portion of the backing ring fit-up, that is equal to or less than a length that is 20 percent of the outside circumference of the pipe, as determined by the Engineer, may be offset by a gap equal to or less than 1/4 inch, provided that this localized portion is first seal welded using shielded metal arc E7016 or E7018 electrodes. This localized portion shall be marked so that it can be referenced during any required NDT.
 - 3.5. Backing rings shall have sufficient width so that the backing ring will not interfere with the interpretation of the NDT.
4. For steel pipe with an outside diameter greater than 42 inches and with a wall thickness greater than 1 inch, the root opening tolerances may be increased to a maximum of 3/16 inch.
5. For welding limited to fit-up and attaching backing rings and handling devices, the preheat and interpass temperature shall be in conformance with the requirements in AWS D1.1, Section 3.5, "Minimum Preheat and Interpass Temperature Requirements," and with Table 3.2, Category C.

All steel pipe piling shall be capable of meeting the fit-up requirements of AWS D1.1, Section 5.22.3.1, "Girth Weld Alignment (Tubular)," when the material is spliced utilizing a girth weld.

For the purposes of welding and prequalification of base metal, steel pipe piling designated as ASTM A 252 shall be treated as ASTM A 572, Grade 50, or ASTM A 709, Grade 50, in conformance with the requirements in AWS D1.1, Table 3.1.

Butt welded seams subsequently formed, including skelp end welds, shall be 100 percent ultrasonically tested in the final formed and welded condition. The acceptance criteria for UT shall conform to API 5L for API-licensed facilities or AWS D1.1 for cyclically loaded nontubular connections for welds subject to tensile stress.

Except for tack welding, gas metal arc welding (GMAW) shall not be used for the welding of steel pipe piling. When GMAW is used for tack welding, the filler metal shall not be deposited by short circuiting transfer.

The dimensional tolerances of steel pipe piling shall conform to the following:

1. Outside diameter: $\pm 0.75\%$ of the specified outside diameter
2. Wall thickness: -5% , $+10\%$ of the specified nominal wall thickness
3. Straightness: $\pm 1.0\%$ over the length of the pipe

Except for steel pipe piling marked with the API monogram, each length of steel pipe piling shall be marked as follows:

1. Name and location of the piling manufacturer
2. State Contract number (Class N piling only)
3. Heat number
4. Welding process
5. Outer diameter, nominal wall thickness, minimum wall thickness, and length
6. Year piling was produced
7. Marked as specified below for each class of steel pipe piling. Only Caltrans audited facilities are approved to mark piling for use on this project.

Class N Steel Pipe Piling

Class N steel pipe piling shall conform to one of the following:

1. Manufactured, welded, tested, and inspected in conformance with the requirements in API 5L, minimum Grade X52, PSL1, and the following:
 - 1.1. Manufactured by a facility licensed to apply the API monogram.
 - 1.2. Each length of steel pipe piling shall be marked with the API monogram in conformance with API 5L.

2. Manufactured in conformance with ASTM A 252, Grade 3, and welded in conformance with AWS D1.1, and the following:
 - 2.1. Groove welds using submerged arc welding from both sides without backgouging will require a procedure qualification record witnessed by the Engineer.
 - 2.2. At the beginning of fabrication, 3 macroetch cross-section test specimens, prepared in conformance with AWS D1.1, Section 4.8.4, shall be furnished for each thickness of piling. Specimens shall be removed at locations selected by the Engineer and in the presence of the Engineer. Test specimens shall indicate that the weld is free of cracks and has thorough fusion between adjacent layers of weld metal and between weld metal and base metal. Undercut shall not exceed 1/32-inch.
 - 2.3. Material properties shall conform to ASTM A 252, Grade 3 unless otherwise shown in the plans or specified in these special provisions.
 - 2.4. The weighing of individual pipe will not be required as specified in ASTM A 252.
 - 2.5. Each length shall be marked "Caltrans Class N - A252."

Class R Steel Pipe Piling

Class R steel pipe piling shall conform to one of the following:

1. Manufactured, welded, tested, and inspected in conformance with API 5L, minimum Grade X52, PSL1, and the following:
 - 1.1. Steel pipe piling shall be manufactured by a facility licensed to apply the API monogram.
 - 1.2. Hydrostatic testing, flattening tests, and the API monogram will not be required.
 - 1.3. Each length shall be marked "Caltrans Class R - API."
2. Manufactured in conformance with ASTM A 252, Grade 3, and the following:
 - 2.1. Arc welding processes shall conform to AWS D1.1.
 - 2.2. Groove welds using submerged arc welding from both sides without backgouging will require a procedure qualification record witnessed by the Engineer.
 - 2.3. Underfill will not be allowed.
 - 2.4. For electric resistance welded pipe, the outer diameter flash shall be removed to a maximum of 1/32 inch.
 - 2.5. The weld reinforcement shall not exceed 1/8 inch.
 - 2.6. The weighing of individual pipe will not be required as specified in ASTM A 252.
 - 2.7. Each length shall be marked "Caltrans Class R - A 252."

CONSTRUCTION

General

Steel pipe piling may be re-tapped to prevent pile set-up provided the field welded splice remains at least 3 feet above the work platform until that splice is approved in writing by the Engineer.

Welds used to attach handling devices to steel pipe piling shall be aligned parallel to the axis of the pile and shall conform to the requirements for field welding specified herein. Permanent bolted connections shall be corrosion resistant.

The welded seam between Class N and Class R steel pipe piling shall be match marked prior to delivery to the jobsite.

Field Welding

Field welding of steel pipe piling is defined as welding performed after the material has been transported from an audited facility.

Field welding shall conform to the requirements for circumferential welds as specified in "Materials" of this section and the following:

1. Welds made in the horizontal position where the longitudinal pipe axis is vertical shall be single-bevel groove welds.
2. The minimum preheat and interpass temperature for splice welding and for making repairs shall be 150 °F, regardless of the pipe pile wall thickness or steel grade. In the event welding is disrupted, preheating to 150 °F shall occur before welding is resumed.
3. Welds shall not be water quenched. Welds shall be allowed to cool unassisted to ambient temperature.

NONDESTRUCTIVE TESTING OF CLASS N STEEL PIPE PILING

Nondestructive testing (NDT) shall be performed on Class N steel pipe piling in conformance with these special provisions.

Backing ring welds shall be inspected by either RT or UT for a material thickness equal to or greater than 5/16 inch or by RT for a material thickness less than 5/16 inch. The acceptance criteria for RT or UT shall conform to AWS D1.1 for cyclically loaded nontubular connections for welds subject to tensile stress.

Nondestructive Testing of Welds made at a Permanent Fabrication Facility

For welding performed in conformance with API 5L:

1. The manufacturer shall submit to the Engineer a DVD or VHS videocassette recording of the actual product testing when radiological testing is utilized or the actual radiographic film when film radiography is utilized. This recording or film submittal shall be provided to the Engineer for review before shipment of the product from the manufacturing facility.
2. When film radiography is utilized to inspect pipe ends or repairs, the transmitted film density shall be 2.0 to 4.0 in the area of interest (weld, base metal, and IQI).
3. Repaired defects shall be re-inspected utilizing the NDT method that originally detected the defect, except that film radiography may be utilized for inspection of repairs when the defect was originally detected utilizing radiological testing.

For welding performed in conformance with AWS D1.1:

1. NDT shall be performed on 25 percent of each longitudinal, circumferential, or spiral weld by either radiographic testing (RT) or ultrasonic testing (UT).
2. The acceptance criteria for RT or UT shall conform to AWS D1.1 for cyclically loaded nontubular connections for welds subject to tensile stress.
3. If repairs are required in a portion of the tested weld:
 - 3.1. NDT shall be performed on the repaired portion.
 - 3.2. Additional NDT shall be performed on untested areas on each side of the repaired portion. The length of additional NDT on each side of the repaired portion shall equal 10 percent of the length of the pipe's outside circumference.
 - 3.3. After this additional 20 percent of NDT is performed, and if additional repairs are required, the total cumulative repair lengths from all NDT shall be determined and documented. If the cumulative weld repair length is determined to be equal to or more than 10 percent of the length of the pipe's outside circumference, then the entire weld shall receive NDT.

Nondestructive Testing of Field Welds

For field welding, including welds made on a portion of the steel pipe piling that has already been installed:

1. NDT shall be performed on 25 percent of the field weld by either RT or UT. Testing shall be done at locations selected by the Engineer. The Engineer may select several locations on a given splice for NDT. The cover pass shall be ground smooth at the locations to be tested.
2. Personnel performing UT for field welds will be required to verify their qualifications before performing NDT, by both written and practical exams. Information regarding the Department's Ultrasonic Testing (UT) Qualification Program is available at:

<http://www.dot.ca.gov/hq/esc/Translab/OSM/smbresources.htm>

3. The acceptance criteria for RT or UT shall conform to AWS D1.1 for cyclically loaded nontubular connections for welds subject to tensile stress.

4. If repairs are required in a portion of the tested weld:
 - 4.1. NDT shall be performed on the repaired portion.
 - 4.2. Additional NDT shall be performed on untested areas on each side of the repaired portion. The length of additional NDT on each side of the repaired portion shall equal 10 percent of the length of the pipe's outside circumference.
 - 4.3. After this additional 20 percent of NDT is performed, and if additional repairs are required, the total cumulative repair lengths from all NDT shall be determined and documented. If the cumulative weld repair length is determined to be equal to or more than 10 percent of the length of the pipe's outside circumference, then the entire weld shall receive NDT.

10-1.84 ARCHITECTURAL TEXTURE

Architectural texture for concrete surfaces shall conform to the details shown on the plans, the provisions in Section 51, "Concrete Structures," of the Standard Specifications, and these special provisions.

Architectural textures listed below are required at concrete surfaces shown on the plans:

- A. Architectural texture (fluted fin)
- B. Architectural texture (light board finish)

TEST PANEL

A test panel at least 4' x 4' in size shall be successfully completed at a location approved by the Engineer before beginning work on architectural textures. The test panel shall be constructed and finished with the materials, tools, equipment, and methods to be used in constructing the architectural texture. If ordered by the Engineer, additional test panels shall be constructed and finished until the specified finish, texture, and color are obtained, as determined by the Engineer.

The test panel approved by the Engineer shall be used as the standard of comparison in determining acceptability of architectural texture for concrete-surfaces.

FORM LINERS

Form liners shall be used for textured concrete surfaces and shall be installed in conformance with the manufacturer's recommendations, unless other methods of forming textured concrete surfaces are approved by the Engineer. Form liners shall be manufactured from an elastomeric material or a semi-elastomeric polyurethane material by a manufacturer of commercially available concrete form liners. No substitution of other types of formliner material will be allowed. Form liners shall leave crisp, sharp definition of the architectural surface. Recurring textural configurations exhibited by repeating, recognizable shadow patterns shall be prevented by proper casting of form liner patterns. Textured concrete surfaces with such recurring textural configurations shall be reworked to remove such patterns as approved by the Engineer or the concrete shall be replaced.

Form liners shall have the following properties:

Description	ASTM Designation:	Range
Elastomeric material		
Shore A hardness	D 2240	20 to 65
Tensile strength (psi)	D 412	130 to 900
Semi-elastomeric polyurethane		
Shore D hardness	D 2240	55 to 65
Tensile strength (psi)	D 2370	2600 minimum

Cuts and tears in form liners shall be sealed and repaired in conformance with the manufacturer's recommendations. Form liners that are delaminated from the form shall not be used. Form liners with deformations to the manufactured surface caused by improper storage practices or any other reason shall not be used.

Form liners shall extend the full length of texturing with transverse joints at 8 foot minimum spacing. Small pieces of form liners shall not be used. Grooves shall be aligned straight and true. Grooves shall match at joints between form liners. Joints in the direction of grooves in grooved patterns shall be located only in the depressed portion of the textured concrete. Adjoining liners shall be butted together without distortion, open cracks, or offsets at the joints. Joints between liners shall be cleaned before each use to remove any mortar in the joint.

Adhesives shall be compatible with the form liner material and with concrete. Adhesives shall be approved by the liner manufacturer. Adhesives shall not cause swelling of the liner material.

RELEASING FORM LINERS

Products and application procedures for form release agents shall be approved by the form liner manufacturer. Release agents shall not cause swelling of the liner material or delamination from the forms. Release agents shall not stain the concrete or react with the liner material. For reliefs simulating fractured concrete or wood grain surfaces the application method shall include the scrubbing method using a natural bristle scrub brush in the direction of grooves or grain. The release agent shall coat the liner with a thin film. Following application of form release agent, the liner surfaces shall be cleaned of excess amounts of agent using compressed air. Buildup of form release agent caused by the reuse of a liner shall be removed at least every 5 uses.

Form liners shall release without leaving particles or pieces of liner material on the concrete and without pulling or breaking concrete from the textured surface. The concrete surfaces exposed by removing forms shall be protected from damage.

CURING

Concrete surfaces with architectural texture shall be cured only by the forms-in-place or water methods. Seals and curing compounds shall not be used.

MEASUREMENT AND PAYMENT

Architectural texture will be measured and paid for by the square foot.

The contract price paid per square foot for architectural texture of the types 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 architectural texture, complete in place, including test panels, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070012	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM	LUMP SUM	
2	070013	SMALL BUSINESS UTILIZATION REPORT	EA	10	250.00	2,500.00
3	070018	TIME-RELATED OVERHEAD	WDAY	540		
4	017258	TEMPORARY FENCE (TYPE CL-6, SLATTED)	LF	13,000		
5	071324	TEMPORARY REINFORCED SILT FENCE	LF	250		
6	071325	TEMPORARY FENCE (TYPE ESA)	LF	1,100		
7	072006	TEMPORARY SUPPORT	LS	LUMP SUM	LUMP SUM	
8	072009	TEMPORARY DECK BRIDGING	LS	LUMP SUM	LUMP SUM	
9	073006	18" TEMPORARY CULVERT	LF	350		
10	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
11	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
12	017259	DEWATERING AND NON-STORM WATER DISCHARGE CONTROL	LS	LUMP SUM	LUMP SUM	
13	074027	TEMPORARY EROSION CONTROL BLANKET	SQYD	10,600		
14	074028	TEMPORARY FIBER ROLL	LF	2,400		
15	074029	TEMPORARY SILT FENCE	LF	4,490		
16	074031	TEMPORARY GRAVEL BAG BERM	LF	3,150		
17	074033	TEMPORARY CONSTRUCTION ENTRANCE	EA	5		
18	074034	TEMPORARY COVER	SQYD	970		
19	074035	TEMPORARY CHECK DAM	LF	410		
20	074037	MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	EA	10		

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	45		
22	074040	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	SQYD	5,000		
23	074041	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
24	074042	TEMPORARY CONCRETE WASHOUT (PORTABLE)	LS	LUMP SUM	LUMP SUM	
25	017260	SURVEY OF EXISTING NON-HIGHWAY FACILITIES	LS	LUMP SUM	LUMP SUM	
26	017261	VIBRATION MONITORING	LS	LUMP SUM	LUMP SUM	
27	BLANK					
28	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
29	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
30	017263	TRAFFIC MANAGEMENT PLAN	LS	LUMP SUM	LUMP SUM	
31	017264	TEMPORARY ACCESS PLAN	LS	LUMP SUM	LUMP SUM	
32	120120	TYPE III BARRICADE	EA	54		
33	017265	TEMPORARY CHAIN LINK GATE	EA	4		
34	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
35	129000	TEMPORARY RAILING (TYPE K)	LF	15,800		
36	129100	TEMPORARY CRASH CUSHION MODULE	EA	33		
37	129150	TEMPORARY TRAFFIC SCREEN	LF	13,400		
38	017266	SOUND CONTROL AND MONITORING	LS	LUMP SUM	LUMP SUM	
39	141101	REMOVE YELLOW PAINTED TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	5,700		
40	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	4,700		

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150206	ABANDON CULVERT	LF	2,700		
42	150662	REMOVE METAL BEAM GUARD RAILING	LF	490		
43	150711	REMOVE PAINTED TRAFFIC STRIPE	LF	11,000		
44	150712	REMOVE PAINTED PAVEMENT MARKING	SQFT	130		
45	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	13,000		
46	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	300		
47	150722	REMOVE PAVEMENT MARKER	EA	1,600		
48	150742	REMOVE ROADSIDE SIGN	EA	43		
49	150760	REMOVE SIGN STRUCTURE	EA	2		
50	150805	REMOVE CULVERT	LF	410		
51	150820	REMOVE INLET	EA	26		
52	150860	REMOVE BASE AND SURFACING	CY	1,300		
53	017267	ADJUST INLET TO GRADE	LF	2		
54	152440	ADJUST MANHOLE TO GRADE	EA	2		
55	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	6,300		
56	153210	REMOVE CONCRETE	CY	49		
57	153221	REMOVE CONCRETE BARRIER	LF	2,200		
58	156576	REMOVE METAL RAILING	LF	580		
59	BLANK					
60	157552	BRIDGE REMOVAL, LOCATION B	LS	LUMP SUM	LUMP SUM	

BID ITEM LIST
04-163734

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	157553	BRIDGE REMOVAL, LOCATION C	LS	LUMP SUM	LUMP SUM	
62	157554	BRIDGE REMOVAL, LOCATION D	LS	LUMP SUM	LUMP SUM	
63	157555	BRIDGE REMOVAL, LOCATION E	LS	LUMP SUM	LUMP SUM	
64	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
65	170101	DEVELOP WATER SUPPLY	LS	LUMP SUM	LUMP SUM	
66	190105	ROADWAY EXCAVATION (TYPE Z-2) (AERIALY DEPOSITED LEAD)	CY	9,200		
67	190109	ROADWAY EXCAVATION (NATURALLY OCCURRING ASBESTOS)	CY	8,800		
68	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
69	190115	ASBESTOS COMPLIANCE PLAN (NATURALLY OCCURRING ASBESTOS)	LS	LUMP SUM	LUMP SUM	
70	190116	DUST CONTROL PLAN (NATURALLY OCCURRING ASBESTOS)	LS	LUMP SUM	LUMP SUM	
71 (F)	042184	STRUCTURE EXCAVATION (BRIDGE) (NATURALLY OCCURRING ASBESTOS)	CY	4,535		
72 (F)	042185	STRUCTURE EXCAVATION (BRIDGE) (TEMPORARY WIDENING) (NATURALLY OCCURRING ASBESTOS)	CY	135		
73 (F)	042186	STRUCTURE EXCAVATION (BRIDGE) (TEMPORARY BRIDGE) (NATURALLY OCCURRING ASBESTOS)	CY	500		
74 (F)	042187	STRUCTURE EXCAVATION (BRIDGE) (SERPENTINE)	CY	1,680		
75 (F)	042188	STRUCTURE EXCAVATION (RETAINING WALL) (NATURALLY OCCURRING ASBESTOS)	CY	3,490		
76 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	200		
77 (F)	042189	STRUCTURE EXCAVATION (RETAINING WALL) (SERPENTINE)	CY	1,400		
78 (F)	192053	STRUCTURE EXCAVATION (TYPE Z- 2) (AERIALY DEPOSITED LEAD)	CY	2,645		
79 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	3,240		
80 (F)	042190	STRUCTURE BACKFILL (BRIDGE)(TEMPORARY WIDENING)	CY	180		

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81 (F)	042191	STRUCTURE BACKFILL (BRIDGE)(TEMPORARY BRIDGE)	CY	480		
82 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	5,280		
83	193114	SAND BACKFILL	CY	330		
84	194001	DITCH EXCAVATION	CY	40		
85	017268	TEMPORARY EARTH RETAINING STRUCTURE	SQFT	12,200		
86	198001	IMPORTED BORROW	CY	28,300		
87	200101	IMPORTED TOPSOIL	CY	2,500		
88	203002	EROSION CONTROL (COMPOST BLANKET)	CY	390		
89	203016	EROSION CONTROL (TYPE D)	ACRE	6		
90	203018	EROSION CONTROL (NETTING)	SQYD	13,800		
91	203021	FIBER ROLLS	LF	13,000		
92	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	2		
93	017269	2" WATER METER	EA	3		
94 (F)	208738	8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	LF	303		
95	250401	CLASS 4 AGGREGATE SUBBASE	CY	6,300		
96	260301	CLASS 3 AGGREGATE BASE	CY	3,300		
97	280000	LEAN CONCRETE BASE	CY	2,100		
98	390131	HOT MIX ASPHALT	TON	13,400		
99	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
100	397005	TACK COAT	TON	27		

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	400050	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT	CY	500		
102	400065	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (TERMINAL JOINT, TYPE E)	LF	120		
103	490595	108" PERMANENT STEEL CASING	LF	43		
104	BLANK					
105	490603	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	390		
106	490604	30" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	5,000		
107	490620	108" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	43		
108	BLANK					
109	490683	24" CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	LF	399		
110	042194	102" CAST-IN-DRILLED-HOLE CONCRETE PILING(ROCK SOCKET)	LF	160		
111	BLANK					
112	BLANK					
113	042196	PRESTRESSING CAST-IN-PLACE CONCRETE (TRANSVERSE)	LS	LUMP SUM	LUMP SUM	
114	BLANK					
115 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	962		
116 (F)	042198	STRUCTURAL CONCRETE, BRIDGE FOOTING (TEMPORARY WIDENING)	CY	55		
117 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	6,700		
118 (F)	042199	STRUCTURAL CONCRETE, BRIDGE (TEMPORARY WIDENING)	CY	220		
119 (F)	042200	STRUCTURAL CONCRETE, BRIDGE FOOTING (TEMPORARY BRIDGE)	CY	195		
120 (F)	042201	STRUCTURAL CONCRETE, BRIDGE (TEMPORARY BRIDGE)	CY	880		

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	2,476		
122 (F)	042202	STRUCTURAL CONCRETE, BRIDGE (SLAB)	CY	470		
123 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	40		
124 (F)	510088	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N MODIFIED)	CY	705		
125 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	204		
126	510526	MINOR CONCRETE (BACKFILL)	CY	10		
127	511047	ANTI-GRAFFITI COATING	SQFT	66,000		
128 (F)	042203	ARCHITECTURAL TEXTURE (FLUTED FIN)	SQFT	18,140		
129	BLANK					
130	511106	DRILL AND BOND DOWEL	LF	180		
131	BLANK					
132	519088	JOINT SEAL (MR 1")	LF	50		
133	519091	JOINT SEAL (MR 1 1/2")	LF	60		
134	519100	JOINT SEAL (MR 2")	LF	182		
135	519102	JOINT SEAL (TYPE AL)	LF	512		
136	BLANK					
137	BLANK					
138	BLANK					
139 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	3,149,000		
140 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	496,500		

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	127,000		
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
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161	665012	12" CORRUGATED STEEL PIPE (.079" THICK)	LF	160		
162	665017	18" CORRUGATED STEEL PIPE (.079" THICK)	LF	460		
163	665031	30" CORRUGATED STEEL PIPE (.079" THICK)	LF	190		
164	017270	8" WELDED STEEL PIPE	LF	45		
165	721007	ROCK SLOPE PROTECTION (1/4 TON, METHOD B)	CY	14		
166	727901	MINOR CONCRETE (DITCH LINING)	CY	40		
167	017271	ROCK SLOPE PROTECTION FABRIC (TYPE B)	SQFT	280		
168	731501	MINOR CONCRETE (CURB)	CY	110		
169	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	CY	170		
170 (F)	731517	MINOR CONCRETE (GUTTER)	LF	663		
171	731521	MINOR CONCRETE (SIDEWALK)	CY	63		
172	731623	MINOR CONCRETE (CURB RAMP)	CY	12		
173	017272	REMOVABLE BOLLARD (WOOD)	EA	4		
174 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	26,241		
175 (F)	750041	ISOLATION CASING	LB	11,600		
176 (F)	750501	MISCELLANEOUS METAL (BRIDGE)	LB	13,200		
177 (F)	750505	BRIDGE DECK DRAINAGE SYSTEM	LB	5,500		
178 (F)	042210	BRIDGE DECK DRAINAGE SYSTEM (TEMPORARY)	LB	1,500		
179	832001	METAL BEAM GUARD RAILING	LF	290		
180 (F)	833020	CHAIN LINK RAILING	LF	502		

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181 (F)	839481	CONCRETE BARRIER (TYPE 50)	LF	472		
182	839541	TRANSITION RAILING (TYPE WB)	EA	4		
183	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	8		
184	017273	CRASH CUSHION (SCI-100GM)	EA	2		
185	839631	CRASH CUSHION MODULE, SAND FILLED	EA	28		
186 (F)	042211	CONCRETE BARRIER (TYPE 60C MODIFIED)	LF	40		
187 (F)	042212	CONCRETE BARRIER (TYPE 60D MODIFIED)	LF	988		
188	839701	CONCRETE BARRIER (TYPE 60)	LF	260		
189	839703	CONCRETE BARRIER (TYPE 60C)	LF	120		
190 (F)	839704	CONCRETE BARRIER (TYPE 60D)	LF	1,365		
191 (F)	042213	CALIFORNIA ST-10 BRIDGE RAIL (MODIFIED)	LF	7,097		
192	840504	4" THERMOPLASTIC TRAFFIC STRIPE	LF	10,700		
193	840505	6" THERMOPLASTIC TRAFFIC STRIPE	LF	1,600		
194	840506	8" THERMOPLASTIC TRAFFIC STRIPE	LF	500		
195	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	330		
196	840656	PAINT TRAFFIC STRIPE (2-COAT)	LF	52,000		
197	840666	PAINT PAVEMENT MARKING (2-COAT)	SQFT	130		
198	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	8		
199	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	1,470		
200	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
201	017274	LIGHTING AND SIGN ILLUMINATION (STAGE CONSTRUCTION)	LS	LUMP SUM	LUMP SUM	
202	860460	LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
203	017275	LIGHTING AND SIGN ILLUMINATION (GOLDEN GATE BRIDGE)	LS	LUMP SUM	LUMP SUM	
204	860791	COMMUNICATION CONDUIT	LS	LUMP SUM	LUMP SUM	
205	017276	HIGH VOLTAGE CONDUIT	LS	LUMP SUM	LUMP SUM	
206	860797	ELECTRIC SERVICE (IRRIGATION)	LS	LUMP SUM	LUMP SUM	
207	017277	BASE CAMERA SYSTEM	LS	LUMP SUM	LUMP SUM	
208	017278	TUNNEL TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
209	017279	TRAFFIC OPERATION SYSTEM	LS	LUMP SUM	LUMP SUM	
210	017280	INTEGRATED CAMERA UNIT	EA	2		
211	017281	CAMERA CONTROL UNIT	EA	2		
212	017282	VIDEO ENCODER UNIT	EA	2		
213	017283	POWER STRIP	EA	3		
214	017284	EQUIPMENT SHELF	EA	3		
215	860520	HIGHWAY ADVISORY RADIO SYSTEM	LS	LUMP SUM	LUMP SUM	
216	017285	GENERAL PACKET RADIO SYSTEM (GPRS) WIRELESS MODEM	EA	2		
217	017286	FIBER OPTIC DATA MODEM	EA	4		
218	017287	FIBER OPTIC TRANSMITTER	EA	4		
219	017288	FIBER OPTIC DISTRIBUTION UNIT	EA	4		
220	BLANK					

**BID ITEM LIST
04-163734**

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	BLANK					
226	BLANK					
227	BLANK					
		ALTERNATIVE A				
228	157551	BRIDGE REMOVAL, LOCATION A	LS	LUMP SUM	LUMP SUM	
229 (F)	042184	STRUCTURE EXCAVATION (BRIDGE) (NATURALLY OCCURRING ASBESTOS)	CY	600		
230 (F)	042187	STRUCTURE EXCAVATION (BRIDGE) (SERPENTINE)	CY	125		
231 (F)	042188	STRUCTURE EXCAVATION (RETAINING WALL) (NATURALLY OCCURRING 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		

**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	680,000		
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	16,800		

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
259 (F)	750505	BRIDGE DECK DRAINAGE SYSTEM	LB	19,400		
260 (F)	042210	BRIDGE DECK DRAINAGE SYSTEM (TEMPORARY)	LB	25,000		
261 (F)	042213	CALIFORNIA ST-10 BRIDGE RAIL (MODIFIED)	LF	2008		
262	042231	ARCHITECTURAL TEXTURE (LIGHT BOARD FINISH)	SQFT	980		
		ALTERNATIVE B				
263	157551	BRIDGE REMOVAL, LOCATION A	LS	LUMP SUM	LUMP SUM	
264 (F)	042184	STRUCTURE EXCAVATION (BRIDGE) (NATURALLY OCCURRING ASBESTOS)	CY	600		
265 (F)	042187	STRUCTURE EXCAVATION (BRIDGE) (SERPENTINE)	CY	125		
266 (F)	042188	STRUCTURE EXCAVATION (RETAINING WALL) (NATURALLY OCCURRING ASBESTOS)	CY	260		
267 (F)	192053	STRUCTURE EXCAVATION (TYPE Z- 2) (AERIALY DEPOSITED LEAD)	CY	340		
268 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	430		
269 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	350		
270	042232	123" PERMANENT STEEL CASING	LF	485		
271	490603	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	918		
272	042233	123" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	485		
273	490683	24" CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	LF	790		
274	042194	102" CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	LF	45		
275	042234	114" CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	LF	278		
276	042195	138" CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	LF	60		

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	680,000		
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	18,400		
295 (F)	750505	BRIDGE DECK DRAINAGE SYSTEM	LB	19,400		
296 (F)	042210	BRIDGE DECK DRAINAGE SYSTEM (TEMPORARY)	LB	25,000		

**BID ITEM LIST
04-163734**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
297 (F)	042213	CALIFORNIA ST-10 BRIDGE RAIL (MODIFIED)	LF	2008		
298	042231	ARCHITECTURAL TEXTURE (LIGHT BOARD FINISH)	SQFT	980		
		MOBILIZATION FOR ALTERNATIVE A OR ALTERNATIVE B				
299	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: \$ _____

NOTE:

Alternative A, a six span cast-in-place prestressed reinforced concrete box girder bridge with transverse post tensioned bridge deck and structural steel "fin" trusses under the deck overhangs that is 1,340 feet long and varies in width from approximately 51 to 97 feet wide founded on 144-inch diameter CIDH piles with Class R permanent steel casings at Bents 2, 3, and 4, and Alternative B, a six span cast-in-place prestressed reinforced concrete box girder bridge with transverse post tensioned bridge deck and structural steel "fin" trusses under the deck overhangs that is 1,340 feet long and varies in width from approximately 51 to 97 feet wide founded on 123-inch diameter CIDH piles with Class N permanent steel casings at Bents 2, 3, and 4 item alternatives set forth the necessary items for constructing the work in accordance with the details shown on the plans and described in the special provisions.

The bidder shall submit prices for all the work of Items 1 through 227, Item 299, plus all the items included in the alternative selected by the bidder. Submit unit prices for one alternative. Bids submitted with item prices for both alternatives will be rejected.

Bids will be compared on the basis of the lowest bid for the entire work, regardless of the alternative upon which the bid was submitted.

The Contractor will be required to construct the alternative upon which his bid was submitted and the award of the contract was based.