



04-Ala-880-24.0/25.5  
04-3A9224  
Project ID 0412000340

In the Special Provisions, Section 5-1.19, "NONHIGHWAY FACILITIES (INCLUDING UTILITIES)," the first table is revised as follows:

Utility Relocation and Date of the Relocation		
Utility	Location	Date
PG&E 1-5" PVC 12kV electric	Station 401+75 "I-880" Line	10/15/2012

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," is revised as attached.

In the Special Provisions, Section 10-1.11, "TEMPORARY FENCE," the eighth paragraph is revised as follows:

"Concrete footings for posts will be required."

In the Special Provisions, Section 10-1.19, "RIGHT OF WAY OBSTRUCTION," the first, second, third and fourth paragraphs are revised as follows:

"Attention is directed to the following parcels located adjacent to the State right of way as shown on the plans:"

1. Parcel No. 62259
2. Parcel No. 62264
3. Parcel No. 62272
4. Parcel No. 62277
5. Parcel No. 62288

The Contractor shall not have Right of Entry (ROE) for the following parcels until the dates shown in the table below:

Parcel No.	Line	Lt/Rt	From (Sta)	To (Sta)	Date ROE available
62272	"I-880"	Lt	406+45.24	407+62.10	06/01/2013
62272	"I-880"	Rt	407+44.04	413+41.69	06/01/2013

The Contractor shall not have access to the Temporary Construction Easement (TCE) for the following parcels until the date shown in the table below:

Parcel No.	Line	Lt/Rt	From (Sta)	To (Sta)	Date TCE available
62277	"I-880"	Lt	412+94.17	413+46.67	04/01/2013
62288	"I-880"	Lt	419+15.87	419+68.30	04/01/2013

The Contractor shall notify the Engineer, in writing, 100 days prior to occupying the TCE for the parcels listed in the table below. The earliest date the TCE can be occupied will be either on the 100th day after notification or the date listed below, whichever occurs later. The Contractor shall not occupy the TCE for the parcels listed below without the written approval of the Engineer. The TCE for the parcels listed below are only available for a 6 month period from the first day the Contractor is allowed to occupy the TCE. All work within the limits of TCE of the parcels listed in the table below and all work immediately adjacent to these parcels shall be completed within 6 months from the first day the Contractor is allowed to occupy the TCE.

Addendum No. 3  
Page 3  
September 28, 2012

04-Ala-880-24.0/25.5  
04-3A9224  
Project ID 0412000340

In the Special Provisions, Section 10-1.34, "EXISTING HIGHWAY FACILITIES," subsection "RECONSTRUCT CHAIN LINK FENCE," is added as attached.

In the Special Provisions, Section 10-1.34, "EXISTING HIGHWAY FACILITIES," subsection "RECONSTRUCT WOOD FENCE," is added as attached.

In the Special Provisions, Section 10-1.64, "CONCRETE STRUCTURES," subsection "PERMANENT STEEL DECK FORMS," is added as attached.

In the Bid book, in the "Bid Item List," Items 5, 31, 60, 65, 104, 105, 110, 122, 123, 127, 134, 140, 164 and 167 are revised, Items 203, 204, 205, 206, 207 and 208 are added and Items 138 and 202 are deleted as attached.

To Bid book holders:

Replace pages 3, 4, 5, 6, 8, 9, 11 and 13 of the "Bid Item List" in the Bid book with the attached revised pages 3, 4, 5, 6, 8, 9, 11 and 13 of the Bid Item List. The revised Bid Item List is to be used in the bid.

Attached is a copy of the Information Handout "California State Fire Marshall-Bulletin 03-001: Encroachments into or on Pipeline Easements," "Guidelines for Design and Construction near Kinder Morgan Hazardous Liquid Operated Facilities," "Topographic Exhibit - Warden Avenue," and "Topographic Exhibit - Empire Road."

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/04/04-3A9224](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/04/04-3A9224)

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

**5-1.11 SUPPLEMENTAL PROJECT INFORMATION**

The Department makes the following supplemental project information available:

**Supplemental Project Information**

Means	Description
Included in the Information Handout	Foundation Reports Supplemental Foundation Letter Geotechnical Design and Material Report Limited Site Investigation Report Asbestos and Lead-Containing Paint Survey Report Non-Storm Water Information Excerpts from Encroachment Permit Manual – Section 623.1, “Bore and Jack” California Dept of Fish And Game - Lake and Stream Bed Alteration Agreement – “Operation of Law” Permit # 1600-2011-0435-R3 California State Fire Marshall –Bulletin 03-001: Encroachments into or on Pipeline Easements Guidelines for Design and Construction near Kinder Morgan Hazardous Liquid Operated Facilities Topographic Exhibit – Warden Ave Topographic Exhibit – Empire Road
Available as specified in the Standard Specifications	Cross sections Bridge as-built drawings
Available for inspection at the District Office Telephone no.: (510) 286-5209	Cross Sections Foundation Report Geotechnical Design and Material Report Limited Site Investigation Report Asbestos and Lead-Containing Paint Survey Variance from DTSC regarding use of material containing ADL.

## 5-1.12 NOISE CONTROL

### General

This section applies to equipment on the project or associated with the project, including trucks, transit mixers, stationary equipment, and transient equipment.

Do not exceed 86 dBA LMax at 50 feet from the job site activities from 5.00 p.m. to 9.00 a.m. except you may perform the following activities during the hours and for the days shown in the following table:

**Noise Restriction Exceptions**

Activity	Hours		Days	
	From	To	From	Through
Cold Planing Pavement	5.00 p.m.	9.00 a.m.	Monday	Sunday
Delivery of Piles, Concrete and Girders	5.00 p.m.	9.00 a.m.	Monday	Sunday
Girder Placement	5.00 p.m.	9.00 a.m.	Monday	Sunday

### Noise Monitoring

Provide 1 Type 1 sound level meter and 1 acoustic calibrator to be used by the Department until contract acceptance. Provide training by a person trained in noise monitoring to 1 Department employee designated by the Engineer. The sound level meter must be 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. The sound level meter must be capable of taking measurements using the A-weighting network and the slow response settings. The measurement microphone must be fitted with a windscreen. The Department returns the equipment to you at contract acceptance.

The contract lump sum price paid for noise monitoring includes full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in noise monitoring.

## 5-1.13 SPECIES PROTECTION

### GENERAL

#### Summary

This work includes protecting regulated species or their habitat.

This project is within or near habitat for regulated species:

steelhead (Central California Coast ESU) ( <i>Oncorhynchus mykiss</i> )
pallid bat ( <i>Antrozous pallidus</i> )
Townsend's big-eared bat ( <i>Corynorhinus townsendii</i> )
nesting birds and raptors

### CONSTRUCTION

#### Protective Radius

Upon discovery of a regulated species, stop construction activities within a 100 feet radius of the discovery or as defined in the table below. Immediately notify the Engineer. Do not resume activities until receiving written notification from the Engineer.

Regulated Species Name	Protective Radius
pallid bat and Townsend's big-eared bat	100 feet
raptors (hawks, eagles, owls)	300 feet
other nesting birds	100 feet

#### Protection Measures

Within Biological Monitoring Area 1 (entire project limit), implement the following protection measures:

1. Nesting Bird Protection, Bird Nest Removal and Bird Nest Prevention:
  - a) Vegetation removal and bridge demolition activities shall not occur during the breeding season of February 15 through September 15.
  - b) If approved by the Engineer, vegetation removal and/or bridge demolition may occur during the breeding season. The Engineer may approve the work only if the survey of the jobsite by the Department's biologist within 3 days prior to the proposed start of work shows absence of nesting birds. The Contractor shall request for the survey to the Engineer in writing, 15 working days prior to the proposed start date for vegetation removal and/or bridge demolition during the breeding season. The Contractor will not be entitled to compensation nor additional working days due to denial of work by the Engineer during the breeding season.
  - c) Outside of the anticipated bird breeding season of February 15 through September 15, remove all nests and prevent birds from nesting on the existing and new permanent and temporary structures during construction.
  - d) Submit Bird Nesting Removal and Prevention Plan (2 copies) for review within 10 days of contract approval. Allow 5 days for the Department's review and approval. If revisions are required, revise and resubmit the plan within 5 days of receipt of the Engineer's comments and allow 5 days for review and approval of the revisions. Do not proceed with the work on existing structures until the plan is approved.

The plan must include:

1. Locations of work.
2. Nesting removal, prevention, inspection, and maintenance methods.
3. Equipment to be used.
4. Schedule for removing nests and installing exclusion devices.

- e) If bird nests are observed during the anticipated bird breeding season of February 15 through September 15, remove bird nests and prevent birds from nesting by employing the following protocols:
1. Remove unoccupied nests by using a long pole or by hosing off with water. Dispose the removed nests in conformance with the provisions in Section 7-1.13, "Disposal of Materials Outside the Highway Right of Way," of the Standard Specifications, and "Water Pollution Control" of these special provisions.
  2. After the nests are removed, prevent birds from nesting by installing heavy delta knotless netting, ½-inch square mesh, or alternative exclusion devices approved by the Engineer.
  3. Every other day, inspect exclusion devices and check for any signs of nesting. Maintain, repair, and replace the devices to correct any problem discovered within 24 hours. Remove unoccupied new or partially built nests. Keep a written inspection record of time, date, condition, and any action taken.
  4. If you discover an occupied nest on any structure, stop the work within the protective radius immediately and notify the Engineer. Do not disturb birds or nests occupied by birds, hatchlings or eggs. Do not resume work until directed, in writing, by the Engineer.
  5. When directed by the Engineer, remove and dispose of all exclusion devices in conformance with the provisions in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

- f) Submit a copy of the inspection records of nesting removal and prevention for the previous week to the Engineer no later than following Tuesday.

2. Invasive Species:

- a) All earthmoving equipment to be used during project construction shall be thoroughly cleaned before arriving on the project site.
- b) All seeding equipment (i.e., hydroseed trucks) shall be thoroughly rinsed at least three times prior to arriving at the project site and beginning seeding work.
- c) To avoid spreading any non-native invasive species already existing on-site, to off-site areas, all equipment shall be thoroughly cleaned before leaving the site.

Within Biological Monitoring Area 2 (San Leandro Creek), implement the following protection measures:

1. San Leandro Creek:

- a) No work on or over the the San Leandro Creek jurisdictional area (top of bank to top of bank of the San Leandro Creek) is allowed except for the protective cover work, falsework and work on top of the falsework. Temporary Fence (Type ESA) shall be erected along the edge (i.e., top of banks) of San Leandro Creek to clearly delineate the San Leandro Creek jurisdictional area. The Contractor shall ensure that no earthwork or any other foreign material is spoiled into the San Leandro Creek or the Stonehurst Creek.

2. Steelhead:

- a) Construction activities within 100 feet width from top of banks on either sides of San Leandro Creek, including the air space, are allowed only during non migratory period of June 1 through November 30.
- b) A vibratory hammer with cushioning block between the hammer and the pile shall be used for pile driving within 100 feet width from top of banks on either side of San Leandro Creek to reduce the level of underwater sound in the creek. Use of impact hammer for pile driving is not allowed on bents 3 to 11 for San Leandro Creek Bridge Overhead (Widen).
- c) Disturbance to existing grades and vegetation shall be limited to the actual project site and designated access routes. Placement of access roads and staging areas are not allowed on the banks and channel of San Leandro Creek. The project shall not disturb the banks or channel of San Leandro Creek.
- d) Construction BMPs and erosion control methods shall be implemented to ensure that no sediment due to construction enters San Leandro Creek.
- e) Equipment maintenance and fueling areas shall be located at least 100 feet away from the top of creek bank. All construction vehicles and equipment shall be checked for oil, fuel, and coolant leaks prior to starting work. Any equipment found to be leaking fluids shall not be used and removed from the project site.

- f) The Contractor shall prepare an emergency response and clean-up plan prior to starting work within 100 feet of San Leandro Creek's top of banks. The plan shall detail the methods that will be used to contain and clean up spills of petroleum products or other hazardous materials in the work area. The Contractor shall submit the plan to the Engineer for approval at least 14 working days before beginning work.
- g) The Contractor's attention is directed to "Construction Site Management" of these special provisions regarding management of nonstormwater resulting from construction activities. Discharge of nonstormwater into San Leandro Creek is not allowed.

Within Biological Monitoring Area 3 (San Leandro Creek Bridge), implement the following protection measures:

1. Pallid Bat and Townsend's Big-eared Bat:

- a) Bridge demolition or bridge construction activities shall not occur between April 1 through September 15.
- b) If approved by the Engineer, bridge demolition or bridge construction may occur during April 1 through September 15. The Engineer will approve the work without restrictions only if the survey of the bridge by the Department's biologist within 3 days prior to the proposed start of work shows absence of bats. The Contractor shall request to the Engineer for the survey, in writing, 15 working days prior to the proposed start date for bridge demolition or bridge construction during April 1 through September 15. The Contractor will not be entitled to compensation nor additional working days due to denial by the Engineer during April 1 through September 15 due to pallid bat or Townsend's Big-eared bat.
- c) If the survey identifies a night roost, the Contractor may work on the bridge demolition or bridge construction by implementing and adhering to the avoidance measures listed below:
  - 1. No work shall occur within 100 feet of the bridge between sunset and sunrise.
  - 2. No lighting shall be used where it would shine on the underside of the bridge.
  - 3. Combustion equipment, such as generators, pumps, and vehicles, shall not be parked or operated under or adjacent to the bridge.
  - 4. No personnel shall operate under the bridge during the evening or at night.

If in the opinion of the Engineer, the Contractor is not following the avoidance measure, the Engineer may suspend the work until the Contractor takes corrective action. The Contractor shall not be entitled to additional compensation or additional working days due to implementing and adhering to the avoidance measures during April 1 through September 15.

- d) If the survey identifies a day roost, the Contractor may work on the bridge demolition or bridge construction by implementing and adhering to the avoidance measures listed below:
  - 1. No work shall occur within 100 feet of an active roost. The area around the bridge shall be designated an Environmentally Sensitive Area.
  - 2. Combustion equipment, such as generators, pumps, and vehicles, shall not be parked or operated under or adjacent to the bridge.
  - 3. No personnel shall be allowed under the colony, especially during the evening exodus.

If in the opinion of the Engineer, the Contractor is not following the avoidance measure, the Engineer may suspend the work until the Contractor takes corrective action. The Contractor shall not be entitled to additional compensation or additional working days due to implementing and adhering to the avoidance measures during April 1 through September 15.

**MEASUREMENT AND PAYMENT**

Full compensation for Species Protection is included in the various contract items of work and no additional compensation will be allowed.

**5-1.14 BIRD PROTECTION**

The Department anticipates nesting or attempted nesting by migratory and nongame birds from February 15 to September 15.

Stop all work within a 100-foot radius of the discovery except as specified in the following table:

**Radii Exceptions**

Species	Work stoppage radii (feet)
Raptors	300
Other nesting birds	100

### 10-1.01 ORDER OF WORK

Order of work shall conform to the provisions in Section 5-1.05, "Order of Work," of the Standard Specifications and these special provisions.

Construction activities on 100 feet from top of bank on either side of San Leandro Creek, including work on Bents 3 through 11, shall be confined to the period of June 1 through November 30. Crossing of San Leandro Creek, Stonehurst Creek, or Stonehurst Creek wood bridge (between Bents 9 and 10 of San Leandro Cree Bridge Overhead) is not allowed except on top of the falsework for the San Leandro Creek Bridge (Widen) structure. At least 30 days before beginning work on Bent 5 of the San Leandro Creek Bridge (Widen) structure, the Contractor shall submit to the Engineer for approval, measures to shield the San Leandro Creek to ensure no spoils enter the creek. The Contractor shall not commence work on Bent 5 without the written approval of the Engineer of the Contractor's proposed measures to shield the creek. Full compensation for shielding the creek 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.

Work at the jobsite for pile driving, saw-cutting and removal of bridge, sound walls, and retaining walls shall be confined to hours between 9.00 a.m. and 5.00 p.m, Monday through Friday and are not allowed on holidays. At least 30 days before beginning pile driving work, the Contractor shall submit to the Engineer for approval, noise dampening measures to be utilized for pile driving work. The proposed measures shall further reduce noise generated by the pile driving activity by at least 10 dBA LMax at 50 feet from the pile driving equipment, compared to carrying out the same activity without any noise dampening measures. The Contractor shall not start pile driving work without the written approval of the Engineer of the Contractor's proposed noise dampening measures. Full compensation for noise dampening measures 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.

Work at the jobsite for Bents 10, 11, 12, 13, and 14 of San Leandro Creek Bridge Overhead (Widen) is not allowed until June 1, 2013.

Attention is directed to "Species Protection," of these special provisions to inform the Engineer of the intent to start work within specific "Biological Monitoring Areas" that require pre-construction surveys by the Department's biologist.

The Contractor shall notify the Engineer at least 30 calendar days before carrying out any work within areas denoted on the plans as Temporary Construction Easement (TCE). The Contractor shall notify in writing to each property owner on the Contractor's intent to occupy the TCE at least 20 calendar days prior to occupying the areas. Temporary fences shall be fully installed before the existing fences are fully removed.

The Contractor shall notify, in writing, to the property owners of Parcels No. 62268 and 62269 (both located on Warden Ave, approximate Sta. 403+00 and 403+50, "I-880" line) and the Engineer at least 7 days prior to any construction or demolition works within 300 feet of the parcels that may result in dust nuisance to the swimming pools in the said properties. The notice shall include the dates, times, and the scheduled works that may result in dust nuisance.

Once remove sound wall (masonry block) work begins at the jobsite, the Contractor shall complete the removal and construction of sound wall (masonry block) within 180 days.

The existing ribbed steel panel soundwall on the San Leandro Creek bridge shall only be removed together with the bridge removal (portion) work adjacent to it. Once removal of sections of the existing ribbed steel panel soundwall begins, the Contractor shall complete the bridge widening work within 180 days for those sections where the soundwall has been removed, including installing new ribbed steel panel soundwall.

All work within the south most 100 feet of TCE on Parcel No. 62299 (APN # 044-5078-007-02, adjacent to southbound I-880 approximate Sta. 451+00) shall be completed within 30 calendar days from the day the fence is removed and Contractor occupies the TCE for the parcel. The Contractor's activities shall not at any time hinder vehicles from accessing the storage area in the said property adjacent to the TCE.

The Contractor shall notify the City of San Leandro and the Engineer at least 30 calendar days before occupying part of Parcel No. 62266 (APN # 077A-0655-090-01, adjacent to Warden Avenue, approximate Sta. 402+00 southbound I-880) for ingress/egress purposes. The Contractor shall use this area for ingress/egress only and is not allowed to use the area for staging, parking, storage or any other activities.

Attention is directed to "Survey of Existing Non-Highway Facilities" and "Vibration Monitoring" of these special provisions regarding pre-construction survey and vibration monitoring of the specified existing facilities.

Attention is directed to "Bridge Removal" of these special provisions. The Contractor shall construct a protective cover over the UPRR track and San Leandro Creek before beginning bridge removal works.

The Contractor shall provide a construction schedule and notify the Engineer and Kinder Morgan Area Manager (Nicole Stewart at (707)-816-1907), at least two weeks prior to start of any work within 10 feet of Kinder Morgan's pipelines. All excavation and piling work within 10 feet of Kinder Morgan's petroleum pipelines shall be carried out in the presence of a Kinder Morgan representative. All excavations within 2 feet of the pipelines shall be carried out by hand.

The surface area over and adjacent to the pipelines (10 feet on either side) must be free at all times from any obstructions, including construction materials and equipments. The Contractor shall submit specifications for all heavy construction equipments to be utilized and working method over and near the pipelines, to the Engineer and Kinder Morgan Area Manager at least two weeks prior to start of any work within 10 feet of Kinder Morgan's pipelines. The Contractor shall not operate any heavy equipment within 10 feet of Kinder Morgan facilities without written approval of the Engineer and Kinder Morgan.

The Contractor's attention is directed to "Information Bulletin #03-001 – Encroachments into or on Pipeline Easements", issued from the Office of the California State Fire Marshall-Pipeline Safety Division, and "Guidelines for Design and Construction near Kinder Morgan Hazardous Liquid Operated Facilities", which are available as described in "Supplemental Project Information" of these special provisions.

Attention is directed to "Topographic Exhibit – Warden Ave" and "Topographic Exhibit – Empire Road", which are available as described in "Supplemental Project Information" of these special provisions, regarding existing overhead utility lines and trees along the construction access routes on Warden Ave and Empire Road.

Project related construction equipment and vehicles, including company and personnel vehicles, are prohibited at all times from parking on Empire Rd., Warden Ave., 105th Ave., Bernhardt Dr., and Knight St. In addition, storage of materials or equipment is prohibited on these streets.

**RECONSTRUCT CHAIN LINK FENCE**

Existing chain link fence, at the locations shown on the plans, shall be removed and reconstructed.

Fence removed in excess of that required for reconstructing chain link fence shall be disposed of.

Full compensation for removing and disposing of excess fence shall be considered as included in the contract price paid per linear foot for reconstruct chain link fence and no separate payment will be made therefor.

**RECONSTRUCT WOOD FENCE**

Existing wood fence, at the locations shown on the plans, shall be removed and reconstructed.

Fence removed in excess of that required for reconstructing wood fence shall be disposed of.

Full compensation for removing and disposing of excess fence shall be considered as included in the contract price paid per linear foot for reconstruct wood fence and no separate payment will be made therefor.

## PERMANENT STEEL DECK FORMS

Forms for the deck slabs between girders of the San Leandro Creek Bridge Overhead (Widen), at the option of the Contractor, shall either be constructed and removed as provided in Section 51-1.05, "Forms," of the Standard Specifications or shall be constructed and left in place in conformance with these special provisions.

Permanent steel deck forms and supports shall be steel conforming to the requirements in ASTM Designation: A 653/A 653M (Designation SS, Grades 33 through 80) having a coating designation G165. The forms shall be mortar-tight, true to line and grade, and of sufficient strength to support the loads applied.

Detailed working drawings for forms shall be submitted to the Engineer for approval in conformance with the provisions in Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications. Three sets of drawings shall be submitted. These drawings shall show the grade of steel, the physical and section properties for all deck members, the method of support and grade adjustment, accommodation for skew, and methods of sealing against grout leaks.

Working drawings shall be submitted sufficiently in advance of the start of the affected work to allow time for review by the Engineer and correction by the Contractor of the drawings without delaying the work. Such time shall be proportional to the complexity of the work but in no case shall such time be less than 3 weeks after complete drawings and all support data are submitted.

The design of permanent steel deck forms shall be based on the combined dead load of the forms, reinforcement, and plastic concrete plus an allowance for all anticipated construction loads. The allowance for construction loads shall be not less than 50 psf. The combined dead load shall be assumed to be not less than 160 pcf for normal concrete and not less than 130 pcf for lightweight concrete.

Physical design properties shall be computed in conformance with the requirements of the AISI specification for the "Design of Cold Formed Steel Structural Members."

The maximum allowable stresses and deflections used in the design of steel forms shall be as follows:

- A. Tensile stress shall not exceed 0.725 of the specified yield strength of the material furnished or 36,000 psi.
- B. Deflection due to dead load shall not exceed 0.0056 of form span or 1/2 inch, whichever is less. In no case shall the dead load for deflection calculations be less than 120 psf total.
- C. Form camber, used at the option of the Contractor, shall be based on the actual dead load condition. Camber shall not be used to compensate for deflection in excess of the allowable limits.
- D. The design span of the form sheets shall be the clear span of the form plus 2 inches measured parallel to the form flutes.

Permanent steel deck forms shall not be used for those sections of deck slabs that contain a longitudinal expansion joint unless additional supports are placed under the joint.

Permanent steel deck forms shall not be welded to the flanges of girders.

Permanent steel deck forms shall not interfere with the movement at deck expansion joints.

The clearance between the surface of permanent forms and any bar reinforcement shall be not less than one inch. The configuration of the forms shall be such that the weight of deck slab is not more than 110 percent of the weight of the total deck slab as dimensioned on the plans.

Permanent steel deck forms shall be installed in conformance with the approved working drawings.

Form sheets shall not rest directly on the top of the girder flanges. Sheets shall be securely fastened to form supports and shall have a minimum bearing length of one inch at each end. Form supports shall be placed in direct contact with the flange of the girder. Attachment of supports shall be made by bolts, clips or other approved means.

Transverse deck construction joints shall be located at the bottom of a flute and 1/4-inch weep holes shall be field drilled at not less than 12 inches on center along the line of the joint.

Permanently exposed galvanized form surfaces that are abraded or damaged prior to installation shall be repaired by thoroughly wire brushing the damaged areas and removing all loose and cracked coating, after which the cleaned areas shall be painted with 2 applications of unthinned zinc-rich primer (organic vehicle type) conforming to the provisions in Section 91, "Paint," of the Standard Specifications. Aerosol cans shall not be used. Minor heat discoloration in area of welds need not be repaired.

**BID ITEM LIST**

04-3A9224

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	024007	SURVEY OF EXISTING NON-HIGHWAY FACILITIES	LS	LUMP SUM	LUMP SUM	
3	071321	TEMPORARY FENCE (TYPE CL-6)	LF	440		
4	024008	TEMPORARY FENCE (TYPE CL-6) (VISIBILITY SCREEN)	LF	1,900		
5	071325	TEMPORARY FENCE (TYPE ESA)	LF	4,100		
6	074015	TEMPORARY ACTIVE TREATMENT SYSTEM	LS	LUMP SUM	LUMP SUM	
7	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
8	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
9	074027	TEMPORARY EROSION CONTROL BLANKET	SQYD	5,110		
10	074028	TEMPORARY FIBER ROLL	LF	1,500		
11	074029	TEMPORARY SILT FENCE	LF	2,600		
12	074032	TEMPORARY CONCRETE WASHOUT FACILITY	EA	10		
13	074033	TEMPORARY CONSTRUCTION ENTRANCE	EA	10		
14	074034	TEMPORARY COVER	SQYD	2,780		
15	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	30		
16	074041	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
17	074057	STORM WATER ANNUAL REPORT	EA	3	2,000.00	6,000.00
18	090100	TIME-RELATED OVERHEAD (WDAY)	WDAY	375		
19	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
20	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	

## BID ITEM LIST

04-3A9224

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	120165	CHANNELIZER (SURFACE MOUNTED)	EA	100		
22	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
23	129000	TEMPORARY RAILING (TYPE K)	LF	24,800		
24	129100	TEMPORARY CRASH CUSHION MODULE	EA	270		
25	129150	TEMPORARY TRAFFIC SCREEN	LF	24,800		
26	024009	TEMPORARY RETAINING WALL	SQYD	340		
27	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	11,500		
28	148005	NOISE MONITORING	LS	LUMP SUM	LUMP SUM	
29	150204	ABANDON CULVERT (LF)	LF	450		
30	150221	ABANDON INLET	EA	2		
31	150608	REMOVE CHAIN LINK FENCE	LF	2,000		
32	150662	REMOVE METAL BEAM GUARD RAILING	LF	670		
33	150711	REMOVE PAINTED TRAFFIC STRIPE	LF	9,090		
34	150712	REMOVE PAINTED PAVEMENT MARKING	SQFT	130		
35	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	35,300		
36	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	81		
37	150722	REMOVE PAVEMENT MARKER	EA	3,900		
38	150742	REMOVE ROADSIDE SIGN	EA	6		
39	150757	REMOVE SIGN STRUCTURE (EA)	EA	4		
40	043907	REMOVE SIGN STRUCTURE (LIGHTWEIGHT)	EA	1		

**BID ITEM LIST****04-3A9224**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150809	REMOVE CULVERT (LF)	LF	1,340		
42	150841	REMOVE SEWER PIPE	LF	29		
43	150820	REMOVE INLET	EA	12		
44	150824	REMOVE SEWER MANHOLE	EA	1		
45	150857	REMOVE ASPHALT CONCRETE SURFACING	SQFT	90,280		
46	152390	RELOCATE ROADSIDE SIGN	EA	10		
47	152430	ADJUST INLET	EA	10		
48	152440	ADJUST MANHOLE TO GRADE	EA	1		
49	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	43,200		
50	153121	REMOVE CONCRETE (CY)	CY	590		
51	153136	REMOVE CONCRETE CURB AND SIDEWALK (LF)	LF	90		
52	153221	REMOVE CONCRETE BARRIER	LF	3,640		
53	043908	REMOVE SOUND WALL (RIBBED STEEL PANEL)	SQFT	17,000		
54	024010	REMOVE SOUND WALL (MASONRY BLOCK)	SQFT	16,500		
55	157560	BRIDGE REMOVAL (PORTION)	LS	LUMP SUM	LUMP SUM	
56	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
57	190101	ROADWAY EXCAVATION	CY	31,200		
58	190105	ROADWAY EXCAVATION (TYPE Z-2) (AERIALY DEPOSITED LEAD)	CY	5,500		
59	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
60 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	990		

## BID ITEM LIST

04-3A9224

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	1,192		
62 (F)	192038	STRUCTURE EXCAVATION (SOUND WALL)	CY	86		
63 (F)	043909	STRUCTURE EXCAVATION (CRASH WALL)	CY	425		
64	192053	STRUCTURE EXCAVATION (TYPE Z-2) (AERIALY DEPOSITED LEAD)	CY	267		
65 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	375		
66 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	4,536		
67 (F)	193014	STRUCTURE BACKFILL (SOUND WALL)	CY	47		
68 (F)	043910	STRUCTURE BACKFILL (CRASH WALL)	CY	200		
69 (F)	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	CY	254		
70	193114	SAND BACKFILL	CY	14		
71	194001	DITCH EXCAVATION	CY	55		
72	198209	SUBGRADE ENHANCEMENT GEOTEXTILE CLASS B2	SQYD	11,200		
73	200001	HIGHWAY PLANTING	LS	LUMP SUM	LUMP SUM	
74	203021	FIBER ROLLS	LF	1,540		
75	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	8		
76	203032	EROSION CONTROL (HYDROSEED) (ACRE)	ACRE	2		
77	203034	ROLLED EROSION CONTROL PRODUCT (NETTING)	SQFT	3,570		
78	204096	MAINTAIN EXISTING PLANTED AREAS	LS	LUMP SUM	LUMP SUM	
79	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
80	206401	MAINTAIN EXISTING IRRIGATION FACILITIES	LS	LUMP SUM	LUMP SUM	

## BID ITEM LIST

04-3A9224

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	490611	72" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	74		
102	490746	FURNISH PILING (CLASS 140) (ALTERNATIVE W)	LF	620		
103	490747	DRIVE PILE (CLASS 140) (ALTERNATIVE W)	EA	12		
104	490782	FURNISH PILING (CLASS 200) (ALTERNATIVE W)	LF	8,399		
105	490783	DRIVE PILE (CLASS 200) (ALTERNATIVE W)	EA	104		
106	024011	VIBRATION MONITORING	LS	LUMP SUM	LUMP SUM	
107	498016	16" CAST-IN-DRILLED-HOLE CONCRETE PILING (SOUND WALL)	LF	1,730		
108	499010	24" CAST-IN-DRILLED-HOLE CONCRETE PILING (RETAINING WALL)	LF	8,805		
109	043911	24" CAST-IN-DRILLED-HOLE CONCRETE PILING(CRASH WALL)	LF	632		
110 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	471		
111 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	939		
112 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	1,224		
113	510061	STRUCTURAL CONCRETE, SOUND WALL	CY	24		
114 (F)	043912	STRUCTURAL CONCRETE, CRASH WALL	CY	408		
115 (F)	510090	STRUCTURAL CONCRETE, BOX CULVERT	CY	3.7		
116	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	47		
117	510526	MINOR CONCRETE (BACKFILL)	CY	530		
118	511106	DRILL AND BOND DOWEL	LF	20		
119 (F)	043913	SOUND WALL (RIBBED STEEL PANEL)	SQFT	17,000		
120 (F)	518002	SOUND WALL (MASONRY BLOCK)	SQFT	16,544		

## BID ITEM LIST

04-3A9224

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	519081	JOINT SEAL (MR 1/2")	LF	37		
122 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	307,979		
123 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	391,084		
124 (F)	043914	BAR REINFORCING STEEL (MINOR CONCRETE-BACKFILL)	LB	6,733		
125	520105	BAR REINFORCING STEEL (SOUND WALL)	LB	4,887		
126 (F)	520107	BAR REINFORCING STEEL (BOX CULVERT)	LB	673		
127 (F)	043915	BAR REINFORCING STEEL (CRASH WALL)	LB	47,041		
128 (F)	550203	FURNISH STRUCTURAL STEEL (BRIDGE)	LB	991,000		
129 (F)	550204	ERECT STRUCTURAL STEEL (BRIDGE)	LB	991,000		
130 (F)	043916	FURNISH STRUCTURAL STEEL, BRIDGE RETROFIT	LB	1,466		
131 (F)	043917	ERECT STRUCTURAL STEEL, BRIDGE RETROFIT	LB	1,466		
132 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	LB	74,145		
133 (F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	LB	74,145		
134	560233	FURNISH FORMED PANEL SIGN (OVERHEAD)	SQFT	730		
135	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	390		
136	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	110		
137	560251	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-FRAMED)	SQFT	22		
138	BLANK					
139	561016	60" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	69		
140	562002	METAL (BARRIER MOUNTED SIGN)	LB	4,290		

**BID ITEM LIST****04-3A9224**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161	731530	MINOR CONCRETE (TEXTURED PAVING)	SQFT	5,280		
162 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	9,291		
163 (F)	750498	MISCELLANEOUS METAL (RESTRAINER - CABLE TYPE)	LB	6,234		
164 (F)	750500	MISCELLANEOUS METAL	LB	79		
165 (F)	750505	BRIDGE DECK DRAINAGE SYSTEM	LB	510		
166	024015	CHAIN LINK FENCE (TYPE CL-4, MOD)	LF	910		
167	800360	CHAIN LINK FENCE (TYPE CL-6)	LF	140		
168	820107	DELINEATOR (CLASS 1)	EA	71		
169	820118	GUARD RAILING DELINEATOR	EA	7		
170	024016	CONCRETE BARRIER DELINEATOR	EA	11		
171	024017	CONCRETE BARRIER MARKER	EA	95		
172	820130	OBJECT MARKER	EA	4		
173	832001	METAL BEAM GUARD RAILING	LF	250		
174	832070	VEGETATION CONTROL (MINOR CONCRETE)	SQYD	243		
175	839541	TRANSITION RAILING (TYPE WB)	EA	2		
176	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	4		
177	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	5		
178	024018	CONCRETE BARRIER (TYPE 60C MODIFIED)	LF	1,660		
179	839701	CONCRETE BARRIER (TYPE 60)	LF	90		
180	839703	CONCRETE BARRIER (TYPE 60C)	LF	150		

**BID ITEM LIST****04-3A9224**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
201	024025	TRAFFIC OPERATION SYSTEM (STAGE CONSTRUCTION)	LS	LUMP SUM	LUMP SUM	
202	BLANK					
203	151534	RECONSTRUCT WOOD FENCE	LF	620		
204	151540	RECONSTRUCT CHAIN LINK FENCE	LF	1,020		
205	490603	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	250		
206	560213	FURNISH SIGN STRUCTURE (LIGHT WEIGHT)	LB	1,160		
207	560214	INSTALL SIGN STRUCTURE (LIGHT WEIGHT)	LB	1,160		
208	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

**TOTAL BID  
FOR ITEMS:****\$** \_\_\_\_\_