

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
OFFICE ENGINEER, MS 43
1727 30TH STREET
P.O. BOX 168041
SACRAMENTO, CA 95816-8041
FAX (916) 227-6214
TTY 711



Flex your power!
Be energy efficient!

October 20, 2009

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SAN DIEGO COUNTY IN AND NEAR OCEANSIDE FROM 0.8 KM WEST OF MELROSE DRIVE TO 1.0 KM EAST OF SOUTH MISSION ROAD.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Thursday, October 29, 2009.

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

Project Plan Sheets 26, 40, 49, 50, 229, 230, 273, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 460, 464, 490, 492, 495 to 508, 519, 520, 785, 874, 882 to 884 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheet 500A is added. A copy of the added sheet is attached for addition to the project plans.

In the Notice to Bidders and Special Provisions, in the Registered Persons signature and seal sheets, the signature and seal sheet is added as attached.

In the Special Provisions, Section 2-1.03, "DISADVANTAGED BUSINESS ENTERPRISES," is added as attached.

In the Special Provisions, Section 3-1.01, "GENERAL," is deleted.

In the Special Provisions, Section 3-1.016, "AWARD AND EXECUTION OF CONTRACT," is deleted.

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

In the Special Provisions, Section 3-1.017, "DATA UNIVERSAL NUMBERING SYSTEM (D-U-N-S) NUMBER," is added as attached.

In the Special Provisions, Section 3-1.018, "CONTRACT EXECUTION," is added as attached.

In the Special Provisions, Section 3-1.019, "SMALL BUSINESS PARTICIPATION REPORT," is added as follows:

"3-1.019 SMALL BUSINESS PARTICIPATION REPORT

The Department has established an overall 25 percent small business participation goal. To determine if the goal is achieved, the Department is tracking small business participation on all contracts.

Complete and sign the Small Business (SB) Participation Report form included in the contract documents even if no small business participation is reported. Submit it with the executed contract."

In the Special Provisions, Section 3-1.02, "CALTRANS BIDDER – DBE INFORMATION FORM," is added as follows:

"3-1.02 CALTRANS BIDDER - DBE INFORMATION FORM

Complete and sign the Caltrans Bidder - DBE Information form included in the contract documents even if no DBE participation is reported. Submit it with the executed contract.

Provide written confirmation from each DBE that the DBE is participating in the contract. A copy of a DBE's quote serves as written confirmation. If a DBE is participating as a joint venture partner, the Department encourages you to submit a copy of the joint venture agreement."

In the Special Provisions, Section 5-1.08, "SUPPLEMENTAL PROJECT INFORMATION," the table "Supplemental Project Information," is revised as attached.

In the Special Provisions, Section 5-1.21, "ARROYO TOAD PROTECTION," the second paragraph is revised as follows:

"An Arroyo Toad Biologist will be provided by the State for this project. The Biologist will verify the presence or absence of arroyo toads."

In the Special Provisions, Section 5-1.22, "NONHIGHWAY FACILITIES (INCLUDING UTILITIES)" in the table following the second paragraph, the ATT contact telephone number is 619-574-2919.

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the table following the eighth paragraph is revised as follows:

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

	Parcel Number	Date Available
1	33123	03/01/2010
2	33124	12/31/2009
3	33125	01/31/2010
4	33126	12/01/2009
5	33129	05/01/2010
6	33131	05/01/2010
7	33132	01/01/2010
8	33133	05/03/2010
9	33134	07/01/2010
10	33138	12/01/2009
11	33139	05/01/2010
12	33140	03/01/2010
13	33141	05/31/2010
14	33143	01/01/2010
15	33144	01/01/2010
16	33145	01/31/2010
17	33150	12/31/2009
18	33162	05/03/2010
19	33163	05/03/2010
20	33164	07/01/2010
21	33165	09/01/2010
22	33166	10/01/2010
23	33168	07/01/2010
24	33227	12/31/2009
25	33228	12/01/2009
26	33229	07/01/2010
27	33232	05/03/2010
28	34445	12/31/2009
29	34464	05/03/2010

In the Special Provisions, Section 10-1.11, "EXISTING TEMPORARY ARROYO TOAD FENCE," the second paragraph is revised as follows:

"Prior to the start of work to maintain existing temporary arroyo toad fence, the fence will be inspected by the State Supplied Arroyo Toad Biologist. Deficiencies requiring corrective action shall include missing or damaged orange silt fence material or posts; missing or damaged decomposed granite filled bags; gaps in the fencing; and other deficiencies needing corrective action to provide a continuous toad barrier. The initial inspection will be completed within 25 days after the contract has been approved."

In the Special Provisions, Section 10-1.11, "EXISTING TEMPORARY ARROYO TOAD FENCE," subsection "MAINTENANCE," the first paragraph, item A is revised as follows:

"A. Temporary arroyo toad fence will be inspected weekly by the State Supplied Arroyo Toad Biologist."

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

In the Special Provisions, Section 10-1.13, "CONTRACTOR SUPPLIED ARROYO TOAD BIOLOGIST," is deleted.

In the Special Provisions, Section 10-1.35, "TEMPORARY CRASH CUSHION (ADIEM)," the fifth paragraph is revised as follows:

"The above price will be firm for orders placed on or before December 31, 2009, provided delivery is accepted within 90 days after the order has been placed."

In the Special Provisions, Section 10-1.36, "EXISTING HIGHWAY FACILITIES," subsection "REMOVE CONCRETE," the second and third paragraphs are revised as follows:

"The pay quantities of concrete slab, concrete bus slabs, concrete utility vault, concrete marquee signs and concrete swimming pool to be removed will be measured by the cubic meter, measured before and during removal operations.

Removing concrete median paving, concrete curb, concrete drainage ditch, concrete cross gutter, concrete driveway, and concrete sidewalk will be measured by the meter, measured along the median paving, curb, drainage ditch, cross gutter, driveway or sidewalk before removal operations."

In the Special Provisions, Section 10-1.51, "WATER SUPPLY LINE (BRIDGE)," subsection "MEASUREMENT AND PAYMENT," the second paragraph is revised as follows:

"Full compensation for furnishing and installing air release valve assemblies, pull box, casings and casing insulators, pipe end seals, concrete supports, pipe anchorages, concrete pipe stops, pipe wrapping tape, epoxy adhesives, and expansion assemblies; for cleaning, closing, wrapping, and coating pipe; and for pressure testing shall be considered as included in the contract prices paid per meter for the sizes of water supply line (bridge) involved, and no additional compensation will be allowed therefor."

In the Special Provisions, Section 10-1.57, "LEAN CONCRETE BASE," is deleted.

In the Special Provisions, Section 10-1.65, "PILING," under subsection "CAST-IN-DRILLED-HOLE CONCRETE PILES," under sub-subsection "GENERAL," subsection "Summary" is revised as follows:

"Summary

Cast-in-drilled-hole (CIDH) concrete piling shall conform to the provisions in Section 49-4, "Cast-In-Place Concrete Piles," of the Standard Specifications and these special provisions.

The provisions of "Welding" of these special provisions shall not apply to temporary steel casings.

The degree of weathering and strength of the granitic bedrock varies drastically across the bridge site. The Contractor needs to review the log of test borings for the bridge location to determine which allowed method of installation should be used to install the permanent steel casings at each support location. The methods and means chosen by the Contractor to install the permanent steel casings, and seal the contact between the casing tips and bedrock, will directly determine the construction difficulties the Contractor will encounter with the overlying alluvium while excavating the cast-in-drilled-hole concrete piles in the underlying bedrock.

The tip elevations for permanent steel casings at Pier 4 shown on the plans are approximate and for bid purpose only.

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

The Contractor shall notify the Engineer in writing 15 working days prior to preparing and constructing access and working pads for Pier 4 for the cast-in-drilled-hole piles. The Engineer shall be allowed 10 working days for conducting additional drilling to more accurately determine the depth to the top of the bed rock for verifying the casing tip elevations as shown on the plans. The Contractor shall not order or fabricate the permanent steel casings for Pier 4 until the Engineer has provided the final permanent steel casing tip elevations at this location in writing.

Should the Engineer fail to provide the Contractor the permanent steel casing tip elevations at Pier 4 within the time specified and if, in the opinion of the Engineer, the Contractor's controlling operation is delayed or interfered with by reason of the delay in providing the permanent steel casing tip elevation at Pier 4, the delay will be considered a right of way delay in conformance with the provisions in Section 8-1.09, "Right of Way Delays," of the Standard Specifications."

In the Special Provisions, Section 10-1.65, "PILING," under subsection "CONSTRUCTION," the sub-subsection "Permanent Steel Casing Installation," is revised as follows:

"Permanent Steel Casing Installation

Permanent steel casings shall be installed by impact or vibratory hammers, oscillators, rotators, or by placing in a drilled hole. The provisions of Section 49-1.08, "Pile Driving Acceptance Criteria," of the Standard Specifications shall not apply to permanent steel casings.

Permanent steel casings that are placed by use of oscillators, rotators, or placed in a drilled hole shall conform to the following requirements:

- A. Casings shall be positioned with spacers to center the casing inside the drilled hole. Spacers may be welded to the outside of the casing.
- B. Voids in the annular space between the casing and the soil shall be filled with grout.
- C. Grout shall be placed from the bottom of the casing using grout tubes. Placement of grout shall continue until all voids have been filled and the grout reaches the top of the casing. Free fall of the grout from the top to the bottom of the casing will not be allowed.
- D. Grout shall be pumped into the annular space such that the grout head is maintained uniformly around the casing and no visible evidence of water or air is ejected at the top of the grout.
- E. One grout tube shall be placed every 1.2 meters along the circumference of the casing with a minimum of 4 grout tubes per casing.
- F. Grout tubes shall extend down to no less than 0.3 meter from the bottom of the casing.

If a permanent steel casing tip elevation above a CIDH concrete piling (rock socket) is lowered:

- A. The CIDH concrete piling, including bar reinforcing steel, shall extend to that same elevation.
- B. The specified tip elevation of the CIDH concrete piling (rock socket) shall extend to maintain the length of the rock socket into rock as shown on the plans."

If a permanent steel casing tip elevation above a CIDH concrete piling (rock socket) is lowered:

- C. The CIDH concrete piling, including bar reinforcing steel, shall extend to that same elevation.
- D. The specified tip elevation of the CIDH concrete piling (rock socket) shall extend to maintain the length of the rock socket into rock as shown on the plans."

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

In the Special Provisions, Section 10-4.01, "GENERAL DESCRIPTION," is revised as follows:

"Relocating the water and sewer utility facilities will consist of modifying the existing facilities and constructing or installing new utility facilities in accordance with the provisions of Part 2, "Construction Materials," and Part 3, "Construction Methods," of the Standard Specifications for Public Works Construction 2006 Edition (these parts are referred to as the Utility Standard Specifications), and also in accordance with Sections 1 through 9, Section 15, "Existing Highway Facilities," and Section 70, "Miscellaneous Facilities," of the Standard Specifications, the details shown on the plans; and these special provisions.

Except for Sections 15 and 70, Sections 10 through 95 of the Standard Specifications will not apply to the work in this Section 10-4, except when specific reference is made thereto.

All field welding of steel pipe or steel pipe casing shall be in accordance with AWWA C206 and AWS D1.1. All pipe joints for steel pipe casing shall be full penetration butt welds.

Abandoning, modifying or removal of utility facilities shall conform to "EXISTING HIGHWAY FACILITIES" of these special provisions.

If parking is to be restricted during construction, the Contractor shall post "tow-away/no parking" signs 24 hours in advance after receiving approval from the Engineer. The sign shall contain "days/hours" information and posted so as to be reasonably seen by the public.

The Contractor shall notify the Engineer three working days in advance of any lane, street or alley closure or before implementing any construction detour.

The Contractor shall notify the City of Oceanside Water Utilities Department (Telephone number: 760-435-5800) 48 hours prior to starting work and the Rainbow Municipal Water RMWD (RMWD) Engineer (Telephone number: 760-728-1178) so that inspection may be provided.

The Contractor shall keep the streets in and adjacent to the construction area clean at all times. Streets shall be swept before washing."

In the Special Provisions, Section 10-4.06A, "MATERIALS FOR UTILITY WORK," is revised as follows:

"10-4.06A MATERIALS FOR UTILITY WORK

Unless otherwise required in these special provisions or shown on the plans, materials for this project shall be those included on the City of Oceanside or RMWD Approved Materials List detailed elsewhere in these special provisions.

All water pipe installed in the City of Oceanside Jurisdiction shall be PVC Pipe as shown on the plans.

All water pipe installed within the RMWD Jurisdiction shall be Cement Mortar Lined and Coated Steel Pipe (CML&C) as shown on the plans.

All sewer pipe and water pipe installed within the City of Oceanside shall be as shown on the plans.

All sewer pipe and water pipe installed within the RMWD Jurisdiction shall be as shown on the plans."

In the Special Provisions, Section 10-4.06B, "POLYVINYL CHLORIDE PRESSURE PIPE," is revised as follows:

"10-4.06B POLYVINYL CHLORIDE PRESSURE PIPE

PVC pressure pipe shall conform to Section 306-1.2.13 "Installation of Plastic Pipe and Fittings" the Utility Standard Specifications and these special provisions.

At the option of the Contractor, directional boring method may be used in accordance with Section 10-3.15, "Directional Boring Method," of the special provisions.

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

PVC pipe shall conform to AWWA C900 and C905 pipe with rubber ring bell end or plain end with rubber ring coupling. Couplings for plain pipe shall be furnished with two elastomeric gaskets. Solvent welded joints are not permitted. Provide pipe with cast iron equivalent outside diameter and Class 200 minimum, or pressure rating as shown on the drawings. For 100 mm through 300 mm PVC, deflections at the joints shall not be permitted. Curves and deflections shall be made only with the use of high deflections C900 PVC, couplings or the approved ductile iron fittings. A maximum of 5 degrees per coupling shall be permitted. The working/shop plans shall clearly indicate the location of the couplings and the pipe lengths. Minimum allowable radius for PVC, pipe, using deflector couplings shall be per the manufacturer's recommendation. Pipe segments less than 3 m in length are not permitted within the radius.

Pipe Length	Minimum Radius Allowance
7 m	75 m
3 m	35 m

The minimum DR rating shall be 18.

Fittings shall be ductile iron Tyler Grip-Tite or Nappco push on fittings conforming to AWWA C110 or C153 with a minimum rated working pressure of 1.7MPa. Provided fittings with bells and rubber O-Ring gaskets specifically designed for ductile iron equivalent outside diameter PVC pipe. Mechanical joint fittings and use of flex couplings are not allowed.

Ductile iron fittings shall be wrapped with two layers of 8 mil polyethylene and encased in 150 mm of neutral sand."

In the Special Provisions, Section 10-4.06C, "CEMENT MORTAR LINED AND COATED (CML&C) STEEL WELDED PIPE," the second paragraph is revised as follows:

"CML&C pipe shall conform to AWWA C200. The steel for the cylinder shall be designed for a minimum of 2.41 MPa working pressure and 250 MPa minimum yield strength conforming to requirements for ASTM A36."

In the Special Provisions, Section 10-4.06C, "CEMENT MORTAR LINED AND COATED (CML&C) STEEL WELDED PIPE," the fourth paragraph is revised as follows:

"All joints shall be welded in conformance with Section 207-10.2, "Fabricated Steel Pipe," of the Utility Standard Specifications and these special provisions."

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

In the Special Provisions, Section 10-4.06D, "POLYVINYL CHLORIDE PIPE SEWER PIPE," is revised as follows:

"10-4.06D POLYVINYL CHLORIDE GRAVITY FLOW SEWER PIPE

PVC Sewer Pipe shall conform to Section 207-17,"PVC Plastic Pipe" of the Utility Standard Specifications. PVC gravity sewer pipe fittings, coupling and joints, 100 mm through 380 mm, shall be manufactured in conformance with the requirements of ASTM D3034 SDR 26 or SDR 35, as shown on the plans, and shall have gasketed joints. All pipe shall be of solid wall construction with smooth interior and exterior surfaces.

The minimum pipe stiffness for both small diameter and large diameter PVC gravity sewer pipe shall be 3.2 kPa according to ASTM D2412.

Pipe, fittings and couplings shall meet the requirements of the section titled "Requirements" of ASTM D3034 SDR 26 or SDR 35 (100 mm through 380 mm) as shown on the plans. During production of the pipe, the manufacturer shall perform the specified tests for each pipe marking. A certification by the manufacturer indicating compliance with specification requirements shall be delivered with the pipe. The certification shall include the test result data. Pipe which is not installed within 120 days of latest test shall not be used without prior approval."

In the Special Provisions, Section 10-4.06E, "POLYVINYL CHLORIDE FORCE MAIN SEWER PIPE," is added as follows:

"10-4.06E POLYVINYL CHLORIDE FORCE MAIN SEWER PIPE

AWWA C905, DR-25 PVC sewer pipe shall be in conformance with the Utility Standard Specifications and these special provisions, shall be of the diameter and pressure class or pressure rating indicated, shall be provided complete with rubber gaskets and all specials and fittings as required in the plans. The dimensions and pressure classes for Dimension Ratios shall conform to the requirements of AWWA C905 as appropriate.

All joints for the pipe shall be either an integral bell manufactured on the pipe or a restrained joint employing a harness, coupling, or gland restraint. The bell and coupling shall be the same, or greater, thickness as the pipe barrel. The sealing ring groove in the coupling shall be of the same design as the groove in cast iron fittings and valves available from local water works supply distributors.

For additives and fillers, unless otherwise required in alternate qualification procedures of PPI-TR3, compounds which are a Hydrostatic Design Basis (HDB) of 2.76×10^8 dyne/cm² at 23 degrees C for water shall not contain additives and fillers that exceed the recommended values in Table 1, Part Y of the PPI-TR3 (e.g., allowable content range for calcium carbonate is 0.0 – 5.0 parts per hundred of resin). If requested by the Engineer, the additive and filler content shall be determined using the pyrolysis method as specified in ASTM D 2584.

Deflection at the joint shall not exceed 1.5 degrees or one-half the maximum deflection recommended by the manufacturer, whichever is less. No deflection of the joint shall be allowed for joints which are over-belled or not belled to the stop mark.

Pipe shall be identified in conformance with AWWA C905 as appropriate."

In the Special Provisions, Section 10-4.06F, "STEEL PIPE CASING," is added as follows:

"10-4.06F STEEL PIPE CASING

Steel pipe casings shall be manufactured in accordance with Section 70-1.02B of the Standard Specifications.

The pipe casing shall be welded steel of the diameter indicated and shall be furnished complete with welded joint ends and pressure grout couplings as indicated. All field welding of steel pipe casing shall be in accordance with AWWA C206 and AWS D1.1. All pipe joints shall be full penetration butt welds or butt strap method in the field. A greater diameter or thickness may be selected for the method of work and loading involved, site conditions, or possible interferences. In this case no additional compensation will be paid."

In the Special Provisions, Section 10-4.07B, "HI-LINE," is revised as follows:

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

"10-4.07B HI-LINE

All hi-line, fittings and service connections shall be furnished, installed and connections made by the Contractor, except for taps into the main line.

The Contractor will be responsible for disinfecting all hi-line, connections, flushing and assisting the City of Oceanside or RMWD in taking water samples for bacteriological tests in conformance with disinfection, bacteriological, and general physical test procedures listed elsewhere in these special provisions.

Following disinfection and acceptance of the hi-line as a potable water system, the Contractor shall maintain continuous service through the hi-line piping to all consumers normally served, both directly and indirectly, by the pipeline. Upon completion of the work, the hi-line piping shall be removed or abandoned by the Contractor.

The hi-line shall be installed in such a manner that it will not present a hazard to traffic and will not interfere with access to homes and driveways along its route.

All pipe, valves, fittings, hose and connections furnished by the Contractor shall be of good quality, suitable for conveying potable water. Only aluminum pipe and fittings shall be used for hi-line piping.

Temporary shut-off service for construction of the hi-line shall be approved by the City of Oceanside Water Department and coordinated through the Engineer.

The hi-line, and its appurtenances, shall be protected from traffic and any anticipated live loading.

Valve storage, handling, installation, connections, and all testing shall be in conformance with the requirements of these special provisions.

The Contractor shall, 30 days prior to starting work, provide the Engineer with working drawings as necessary to show the work to be performed in the installation of the water hi-line.

Review of the hi-line plans shall not relieve the Contractor from any liability or claims associated due to loss of water pressure or damages due to failure of the hi-line."

In the Special Provisions, Section 10-4.07D, "REMOVE WATER MAINS," is revised as follows:

"10-4.07 REMOVE WATER MAINS

Existing water mains to be removed shall be removed and disposed of. All resulting openings shall be plugged with minor concrete.

Asbestos cement water line where shown on the plans to be abandoned shall be abandoned.

Asbestos cement water line where shown on the plans to be removed shall be removed.

Removal of water mains shall include gate valves with valve box and cover.

All material from the removed water mains and its appurtenances, except gate valves and fire hydrant heads, will become the property of the Contractor at the time of its removal from the trench, unless otherwise specified or shown on the plans. Such material will not be allowed to accumulate along the line of work, but shall be removed from the area at the earliest practical time. All valves and fire hydrant bodies shall be salvaged and delivered to the Engineer."

DISPOSAL OF NON-FRIABLE ASBESTOS

Disposal on non-friable asbestos-containing materials shall be in accordance with the County of San Diego Guidelines. Guidelines may be obtained at the Solid Waste Division, County of San Diego, Public Works Divisions, Building 2, 5555 Overland Avenue, San Diego, CA 92123.

Full compensation for the disposal of non-friable asbestos containing materials shall be considered as included in the contract price paid for remove pipeline and no separate payment will be made therefore.

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

DISPOSAL OF FRIABLE ASBESTOS

All friable asbestos containing materials (material that can be crumbled, pulverized, or reduced to powder in hand) are regulated as hazardous waste and shall be transported by a licensed hazardous waste hauler and disposed of in an appropriated landfill.

Full compensation for the disposal of friable asbestos-containing materials shall be considered as included in the contract price paid for remove asbestos cement water line and no separate payment will be made therefore."

In the Special Provisions, Section 10-4.07E, "ABANDON WATER PIPELINE," is revised as follows:

"10-4.07E ABANDON WATER PIPELINE

The Contractor shall proceed with caution in abandonment of asbestos cement (AC) water pipelines to insure they retain their structural integrity during abandonment. All other existing water pipelines in conflict with bridge abutments, retaining walls or future structures, shall be removed."

In the Special Provisions, Section 10-4.07L, "HIGH-LINING," is deleted.

In the Special Provisions, Section 10-4.14, "PIPE LAYING OF POLYVINYL CHLORIDE PIPE," the fourth paragraph is revised as follows:

"At each joint, dig bell holes in the bottom of the trench and at the sides to permit visual inspection of the entire joint and to prevent the pipe from being supported by the bell end fitting. The identification strip marking shall be continuously aligned on the top of the installed pipe."

In the Special Provisions, Section 10-4.15, "PIPE LAYING OF CEMENT-MORTAR LINED AND COATED STEEL PIPE," the third paragraph is revised as follows:

"All field welding shall be in conformance with AWWA C206 and AWS D1.1."

In the Special Provisions, Section 10-4.17A, "TEMPORARY BLOWOFF ASSEMBLIES," the third paragraph is revised as follows:

"Valves, outlets and thrust blocks used for temporary blow-off will remain the property of the Contractor and are to be entirely removed before connecting the pipeline to an adjacent section."

In the Special Provisions, Section 10-4.18A, "VALVES GENERAL," the second paragraph is revised as follows:

"All valves shall have a rated working pressure that corresponds to the pressure class of pipe used. All valves shall be certified to meet the test pressure as specified and shall have a rated working pressure that exceeds the full working pressure specified."

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

In the Special Provisions, Section 10-4.18C, "RESILIENT SEATED GATE VALVES," the first paragraph is revised as follows:

"Resilient wedge gate valves may be used only for nominal pipe sizes from 75 mm to 300 mm and shall conform to AWWA C509, "Resilient Seated Gate Valves," and these special provisions. Interior epoxy coating shall conform to AWWA C-550 and C-110 for ductile iron valves 75 mm to 300 mm. 75 mm to 300 mm Gate Valves will be: Clow Mueller, or American Flow Control Series 2500 resilient wedge gate valve per AWWA C-515 with a fully encapsulated gate, low zinc stem, opening by turning the stem counterclockwise and provided with a 50 mm square AWWA operating nut. Low friction torque reduction thrust bearings shall be located both above and below the stem collar. All valves shall have a factory fused epoxy coating inside and outside. All nuts and bolts for buried service RW gate valves shall be type 316 stainless steel. Anti-seize shall be applied to all stainless steel threads. All flanges, bolts, and nuts on buried ductile iron valves and fittings shall be wrapped with wax tape before being encased with two layers of 8-mil thick polyethylene."

In the Special Provisions, Section 10-4.31, "HYDROSTATIC TESTING OF MAINS," the third paragraph is revised as follows:

"All water systems will be pre-tested by the Contractor prior to requesting that a hydrostatic pressure test is observed by a City of Oceanside and RMWD inspector."

In the Special Provisions, Section 10-4.35A, "BACTERIOLOGICAL (BT) TEST," the second paragraph is revised as follows:

"All samples shall be collected and tested by a certified City of Oceanside and RMWD water testing firm under the chain of custody criteria for analysis. The certified sampler shall determine each sample location, which at minimum will include each end of the pipe run and each branch off the main line. Each sample location shall be analyzed for E-Coli and total coliform bacteria. In all results, each constituent shall be absent."

In the Special Provisions, Section 10-4.35A, "BACTERIOLOGICAL (BT) TEST," the eighth paragraph is revised as follows:

"Odor detection in new waterline(s) typically comes from the lack of properly and completely flushing the pipe o-ring gasket lubricant from the line(s). Therefore, the odor criteria shall be no greater odor detected in the flush water than in the source water."

In the Special Provisions, Section 10-4.50, "PIPE LAYING GENERAL," the third paragraph is revised as follows:

"For PVC pipe, a dated certificate by the pipe manufacturer indicating compliance with AWWA testing requirements shall be delivered with the pipe."

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

In the Special Provisions, Section 10-4.60B, "SEWER MAIN PAYMENT," is revised as follows:

"10-4.60B SEWER MAIN PAYMENT

Items of work measured as provided in these special provisions will be paid for at the contract prices per meter for the various sizes and types of sewer mains and sleeve and at the contract price per each for each manhole completed.

The contract price paid per meter for the various sizes and types of sewer pipe or main involved shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in the various sizes and types of sewer pipe or main, complete in place, including, miscellaneous iron and steel plugs, tees, ells, bends, reducer, flange coupling adapter, and welding, as specified in the Utility Standard Specifications, the Standard Specifications and these special provisions, and as directed by the Engineer.

The contract price paid per cubic meter for minor concrete (pipe encasement) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in minor concrete (pipe encasement), complete in place, as shown on the plans, as specified in the Utility Standard Specifications the Standard Specifications and these special provisions, and as directed by the Engineer.

The contract price paid per meter for remove sewer pipe shall include full compensation for furnishing all labor, tools, equipment, and incidentals, and for doing all the work involved in remove sewer pipe, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

The contract price paid for modify manhole shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in modify manhole complete in place, as shown on the plans, as specified in these special provisions, and as directed by the Engineer.

The contract lump sum price paid for televising sewer main shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in televising sewer main, including audio and written documentation, as shown on the plans, as specified in the Utility Standard Specifications and these special provisions, and as directed by the Engineer.

When imported backfill is ordered by the Engineer, it will be paid for as extra work as specified in Section 4-1.03D, "Extra Work," of the Standard Specifications.

Full compensation for structure excavation, structure backfill, bedding material, temporary cap, and polyethylene wrapping, dewatering pipe, testing, metallic tape locator for non-metallic pipe, end caps, and spacers and supports shall be considered as included in the contract price paid for various items of sewer work involved and no additional compensation will be allowed therefor."

Addendum No. 1
Page 13
October 20, 2009

11-SD-76-R11.7/21.1
11-080104
ARRAL-P076(024)E

In the Bid book, in the "Bid Item List," Items 47, 62, 64, 65, 116, 118, 119, 120, 121, 130, 131, 146, 170, 172, 174, 176, 184, 186, and 195 are revised, Items 251, 252, 253, 254, 255, 256, 257, and 258 are added and Items 30, 90, 128, 157, 181, 182, 183, and 250 are deleted as attached.

To Bid book holders:

Replace pages 4, 5, 6, 7, 8, 9, 10, 11, 12 and 15 of the "Bid Item List" in the Bid book with the attached revised pages 4, 5, 6, 7, 8, 9, 10, 11, 12 and 15 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.

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

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/11/11-080104

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

CONTRACT NO. 11-080104

The special provisions contained herein have been prepared by or under the direction of the following Registered Persons.

STRUCTURES

Mingxia Pan

REGISTERED CIVIL ENGINEER



2-1.03 DISADVANTAGED BUSINESS ENTERPRISES

Under 49 CFR 26.13(b):

The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

Take necessary and reasonable steps to ensure that DBEs have opportunity to participate in the contract (49 CFR 26).

To ensure there is equal participation of the DBE groups specified in 49 CFR 26.5, the Department specifies a goal for Underutilized Disadvantaged Business Enterprises (UDBEs). UDBE is a firm that meets the definition of DBE and is a member of one of the following groups:

1. Black Americans
2. Native Americans
3. Asian-Pacific Americans
4. Women

References to DBEs include UDBEs, but references to UDBEs do not include all DBEs.

Make work available to UDBEs and select work parts consistent with available UDBE subcontractors and suppliers.

Meet the UDBE goal shown in the Notice to Bidders or demonstrate that you made adequate good faith efforts to meet this goal.

It is your responsibility to verify that the UDBE firm is certified as DBE at date of bid opening. For a list of DBEs certified by the California Unified Certification Program, go to:

http://www.dot.ca.gov/hq/bep/find_certified.htm

Only UDBE participation will count towards the UDBE goal. DBE participation will count towards the Department's federally mandated statewide overall DBE goal.

Credit for materials or supplies you purchase from UDBEs counts towards the goal in the following manner:

1. 100 percent counts if the materials or supplies are obtained from a UDBE manufacturer.
2. 60 percent counts if the materials or supplies are obtained from a UDBE regular dealer.
3. Only fees, commissions, and charges for assistance in the procurement and delivery of materials or supplies count if obtained from a UDBE that is neither a manufacturer or regular dealer. 49 CFR 26.55 defines "manufacturer" and "regular dealer."

You receive credit towards the goal if you employ a UDBE trucking company that performs a commercially useful function as defined in 49 CFR 26.55.

UDBE Commitment Submittal

Submit UDBE information on the Caltrans Bidder - UDBE - Commitment form included in the Bid book. If the form is not submitted with the bid, remove the form from the Bid book before submitting your bid.

If the UDBE Commitment form is not submitted with the bid, the apparent low bidder, the 2nd low bidder, and the 3rd low bidder must complete and submit the UDBE Commitment form to Office Engineer. UDBE Commitment form must be received by the Department no later than 4:00 p.m. on the 4th business day after bid opening.

Other bidders do not need to submit the UDBE Commitment form unless the Department requests it. If the Department requests you to submit a UDBE Commitment form, submit the completed form within 4 business days of the request.

Submit written confirmation from each UDBE stating that it is participating in the contract. Include confirmation with the UDBE Commitment form. A copy of a UDBE's quote will serve as written confirmation that the UDBE is participating in the contract.

If you do not submit the UDBE Commitment form within the specified time, the Department finds your bid nonresponsive.

Good Faith Efforts Submittal

If you have not met the UDBE goal, complete and submit the Good Faith Efforts Documentation form with the bid showing that you made adequate good faith efforts to meet the goal. Only good faith efforts directed towards obtaining participation by UDBEs will be considered. If good faith efforts documentation is not submitted with the bid, it must be received by the Department no later than 4:00 p.m. on the 4th business day after bid opening.

If your UDBE Commitment form shows that you have met the UDBE goal or if you are required to submit the UDBE Commitment form, you must also submit good faith efforts documentation within the specified time to protect your eligibility for award of the contract in the event the Department finds that the UDBE goal has not been met.

Good faith efforts documentation must include the following information and supporting documents, as necessary:

1. Items of work you have made available to UDBE firms. Identify those items of work you might otherwise perform with its own forces and those items that have been broken down into economically feasible units to facilitate UDBE participation. For each item listed, show the dollar value and percentage of the total contract. It is your responsibility to demonstrate that sufficient work to meet the goal was made available to UDBE firms.
2. Names of certified UDBEs and dates on which they were solicited to bid on the project. Include the items of work offered. Describe the methods used for following up initial solicitations to determine with certainty if the UDBEs were interested, and the dates of the follow-up. Attach supporting documents such as copies of letters, memos, facsimiles sent, telephone logs, telephone billing statements, and other evidence of solicitation. You are reminded to solicit certified UDBEs through all reasonable and available means and provide sufficient time to allow UDBEs to respond.
3. Name of selected firm and its status as a UDBE for each item of work made available. Include name, address, and telephone number of each UDBE that provided a quote and their price quote. If the firm selected for the item is not a UDBE, provide the reasons for the selection.
4. Name and date of each publication in which you requested UDBE participation for the project. Attach copies of the published advertisements.
5. Names of agencies and dates on which they were contacted to provide assistance in contacting, recruiting, and using UDBE firms. If the agencies were contacted in writing, provide copies of supporting documents.
6. List of efforts made to provide interested UDBEs with adequate information about the plans, specifications, and requirements of the contract to assist them in responding to a solicitation. If you have provided information, identify the name of the UDBE assisted, the nature of the information provided, and date of contact. Provide copies of supporting documents, as appropriate.
7. List of efforts made to assist interested UDBEs in obtaining bonding, lines of credit, insurance, necessary equipment, supplies, and materials, excluding supplies and equipment that the UDBE subcontractor purchases or leases from the prime contractor or its affiliate. If such assistance is provided by you, identify the name of the UDBE assisted, nature of the assistance offered, and date. Provide copies of supporting documents, as appropriate.
8. Any additional data to support demonstration of good faith efforts.

3-1.017 DATA UNIVERSAL NUMBERING SYSTEM (D-U-N-S) NUMBER

For the purpose of complying with the American Recovery and Reinvestment Act of 2009, the successful bidder must provide the Department a D-U-N-S number.

Complete and sign the Data Universal Numbering System (D-U-N-S) Number form included in the contract documents. This form must be submitted with the executed contract. If your company does not have a D-U-N-S number, you can obtain one by contacting Dun & Bradstreet at:

<http://dnb.com/us/>

If you fail to submit this information with the executed contract, the Department will not approve the contract.

3-1.018 CONTRACT EXECUTION

Comply with section titled Data Universal Numbering System (D-U-N-S) Number of these special provisions and Section 3-1.09, "Contract Execution," of the Standard Specifications, except the contract documents must be received by the Office Engineer before the 5th business day after the bidder receives the contract.

"Supplemental Project Information"	
Means	Description
Included in the Information Handout	<p>A. Foundation Report for San Luis Rey River Bridge (Br. No. 57-1208R), dated December 11, 2008</p> <p>B. Seismic Design Recommendation for San Luis Rey River Bridge (Br. No. 57-1208R), dated July 24, 2008</p> <p>C. Foundation Report for the Wild Animal Undercrossing (Br No. 57-1209), dated July 15, 2008.</p> <p>D. Preliminary Seismic Design Recommendations for Wild Animal UC (Br No. 57-1209), dated July 9, 2008</p> <p>E. Foundation Report for Bonsall Creek Bridge (Br. No. 57-1210), dated January 14, 2009</p> <p>F. Foundation Report for Ostrich Farms Creek Bridge (Br. No. 57-1211), dated January 15, 2009</p> <p>G. Revised Foundation Report for Ostrich Farms Creek Bridge (Br. No. 57-1211), dated February 17, 2009</p> <p>H. Preliminary Seismic Design Recommendations for Ostrich Farm Creek Bridge (Br NO. 57-1211, dated October 22, 2008.</p> <p>I. Final Hydraulic Report for San Luis Rey River Bridge (Br. No. 57-1208R) and Wild Animal UC (Br. No. 57-1209), dated August 12, 2008.</p> <p>J. Amendment to Final Hydraulic Report for San Luis Rey River Bridge (Br. No. 57-1208R) and Wild Animal UC (Br. No. 57-1209), dated December 2, 2008.</p> <p>K. Final Hydraulic Report for Bonsall Creek Bridge (Br. No. 57-1210) and Ostrich Farm Creek Bridge (Br. No. 57-1211), dated December 16, 2008.</p> <p>L. California Department of Fish and Game – Section 1602 Permit dated, April 28, 2009.</p> <p>M. United States Army Corps of Engineer – Section 404 Permit dated, June 12, 2009.</p> <p>N. United States Fish and Wildlife Service – Biological Opinion dated, October 1, 2008.</p> <p>O. California Regional Water Quality Control Board – Section 401 dated, May 12, 2009</p> <p>P. National Marine Fisheries Service – Section 7, Consultation dated, May 29, 2008</p> <p>Q. National Marine Fisheries Service – Section 7, Amendment dated, June 2, 2009</p> <p>R. National Marine Fisheries Service – Section 7, Amendment Clarification dated, June 10, 2009</p> <p>S. Geotechnical Design Report dated, April 27, 2009</p> <p>T. District Preliminary Geotechnical Report dated, December 12, 2006</p> <p>U. Missive for Thalweg dated, July 1, 2009</p> <p>V. Supplemental Information Handout for Battery Backup System</p> <p>W. Revised Foundation Report for Type 1 Retaining Wall along Old River Road, dated October 1, 2009</p> <p>X. San Diego Regional Water Quality Control Board Enrollment Letter under Order No. R9-2008-0002, dated June 12, 2009</p> <p>Y. Geotechnical Laboratory Rock Strength Test Data Br. No. 57-1208R GL 08-017, dated April 15, 2008</p> <p>Z. Geotechnical Laboratory Rock Strength Test Data Br. No. 57-1208R GL08-038, dated May 13, 2008</p> <p>AA. Geotechnical Laboratory rock Strength Test Data Br. No. 57-1208R GL08-041, dated May 2, 2008</p> <p>BB. Geotechnical Laboratory Rock Strength Test Data Br. No. 57-1208R GL08-156, dated October 28, 2008</p> <p>CC. Materials Design Report, dated May 6, 2009</p> <p>DD. Materials Information Brochure, dated May 5, 2009</p> <p>EE. Superseded Foundation Report Type 1 Retaining Wall along Old River Road, dated June 16, 2009</p> <p>FF. Water Availability Letters – Rainbow Municipal Water District (dated February 11, 2009) and City of Oceanside Water Utilities Department (dated February 16, 2009)</p> <p>GG. Point Load Test San Luis Rey Br. No. 57-1208R, dated November 25, 2008</p> <p>HH. Point Load Test Ostrich Farms Br. No. 57-1211, December 23, 2008</p> <p>II. Laboratory Test Results Ostrich Farms Br. No. 57-1211, dated December 15, 2008</p>

Available for inspection at the District Office	Cross Sections
Available for inspection at the Transportation Laboratory at Translab 5900 Folsom Boulevard, Sacramento, CA 95819.	Rock core samples and laboratory rock strength test data for San Luis Rey River Bridge (Br. No. 57-1208R), Ostrich Farms Creek Bridge (Br. No. 57-1211),)
Available as specified in the Standard Specifications	Bridge as-built drawings"

BID ITEM LIST
11-080104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	120149	TEMPORARY PAVEMENT MARKING (PAINT)	M2	680		
22	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	M	44 900		
23	120165	CHANNELIZER (SURFACE MOUNTED)	EA	10		
24	120199	TRAFFIC PLASTIC DRUM	EA	920		
25	120300	TEMPORARY PAVEMENT MARKER	EA	9120		
26	128650	PORTABLE CHANGEABLE MESSAGE SIGN	EA	20		
27	129000	TEMPORARY RAILING (TYPE K)	M	21 600		
28	129100	TEMPORARY CRASH CUSHION MODULE	EA	140		
29	017303	TEMPORARY CRASH CUSHION (ADIEM)	EA	19		
30	BLANK					
31	150206	ABANDON CULVERT	M	420		
32	150608	REMOVE CHAIN LINK FENCE	M	470		
33	150662	REMOVE METAL BEAM GUARD RAILING	M	1130		
34	150701	REMOVE YELLOW PAINTED TRAFFIC STRIPE	M	440		
35	150710	REMOVE TRAFFIC STRIPE	M	127 000		
36	150713	REMOVE PAVEMENT MARKING	M2	830		
37	150742	REMOVE ROADSIDE SIGN	EA	190		
38	150771	REMOVE ASPHALT CONCRETE DIKE	M	640		
39	150805	REMOVE CULVERT	M	730		
40	150820	REMOVE INLET	EA	20		

BID ITEM LIST
11-080104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150821	REMOVE HEADWALL	EA	40		
42	017304	REMOVE ROCK SLOPE PROTECTION	M3	2		
43	152320	RESET ROADSIDE SIGN	EA	2		
44	152390	RELOCATE ROADSIDE SIGN	EA	3		
45	152438	ADJUST FRAME AND COVER TO GRADE	EA	16		
46	152451	ADJUST WATER VALVE	EA	11		
47	152475	ADJUST SEWER MANHOLE	EA	2		
48	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	M2	24 100		
49	153210	REMOVE CONCRETE	M	2970		
50	153229	REMOVE CONCRETE BARRIER (TYPE K)	M	490		
51	153246	REMOVE CONCRETE (MISCELLANEOUS)	M3	1080		
52	157551	BRIDGE REMOVAL, LOCATION A	LS	LUMP SUM	LUMP SUM	
53	157552	BRIDGE REMOVAL, LOCATION B	LS	LUMP SUM	LUMP SUM	
54	157560	BRIDGE REMOVAL (PORTION)	LS	LUMP SUM	LUMP SUM	
55	160101	CLEARING AND GRUBBING	HA	64		
56	170101	DEVELOP WATER SUPPLY	LS	LUMP SUM	LUMP SUM	
57	190101	ROADWAY EXCAVATION	M3	1 110 000		
58	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
59	017305	REMOVE MUD, SAND AND DEBRIS (IN CULVERT)	M	490		
60	017306	SETTLEMENT DEVICES	LS	LUMP SUM	LUMP SUM	

**BID ITEM LIST
11-080104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	2725		
62	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	2180		
63 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	M3	2580		
64	193013	STRUCTURE BACKFILL (RETAINING WALL)	M3	1910		
65	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	M3	130		
66	017307	DECOMPOSED GRANITE	M3	300		
67	193114	SAND BACKFILL	M3	310		
68	194001	DITCH EXCAVATION	M3	1310		
69	200001	HIGHWAY PLANTING	LS	LUMP SUM	LUMP SUM	
70	202007	DUFF	M2	479 000		
71	017308	DRAINAGE INLET PROTECTION (EROSION CONTROL)	EA	190		
72	017309	CHECK DAM (EROSION CONTROL)	M	10 700		
73	203016	EROSION CONTROL (TYPE D)	HA	47		
74	203018	EROSION CONTROL (NETTING)	M2	27 500		
75	203021	FIBER ROLLS	M	71 800		
76	203022	EROSION CONTROL HYDRAULIC MULCH (POLYMER STABILIZED FIBER MATRIX)	M2	500 000		
77	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	11		
78	204017	PLANT (GROUP W)	EA	640		
79	204051	SEEDING	HA	7		
80	204096	MAINTAIN EXISTING PLANTED AREAS	LS	LUMP SUM	LUMP SUM	

BID ITEM LIST
11-080104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
82	206401	MAINTAIN EXISTING IRRIGATION FACILITIES	LS	LUMP SUM	LUMP SUM	
83	208000	IRRIGATION SYSTEM	LS	LUMP SUM	LUMP SUM	
84	208038	NPS 3 SUPPLY LINE (BRIDGE)	M	125		
85	208304	WATER METER	EA	9		
86	208731	200 MM CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	M	430		
87	208732	250 MM CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	M	180		
88	017310	EXTEND 350 MM CONDUIT	M	2		
89	250401	CLASS 4 AGGREGATE SUBBASE	M3	50 000		
90	BLANK					
91	374002	ASPHALTIC EMULSION (FOG SEAL COAT)	TONN	24		
92	390131	HOT MIX ASPHALT	TONN	163 000		
93	391007	PAVING ASPHALT (BINDER, GEOSYNTHETIC PAVEMENT INTERLAYER)	TONN	1		
94	393003	GEOSYNTHETIC PAVEMENT INTERLAYER	M2	3570		
95	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
96	394071	PLACE HOT MIX ASPHALT DIKE	M	1970		
97	397005	TACK COAT	TONN	77		
98	401050	JOINTED PLAIN CONCRETE PAVEMENT	M3	140		
99	404092	SEAL PAVEMENT JOINT	M	140		
100	490661	1.2 M CAST-IN-DRILLED-HOLE CONCRETE PILING	M	77		

BID ITEM LIST
11-080104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	490663	1.5 M CAST-IN-DRILLED-HOLE CONCRETE PILING	M	219		
102	490665	1.8 M CAST-IN-DRILLED-HOLE CONCRETE PILING	M	75		
103	490669	2.1 M CAST-IN-DRILLED-HOLE CONCRETE PILING	M	117		
104	042214	2.7 M CAST-IN-DRILLED-HOLE CONCRETE PILING	M	100		
105	490671	2.4 M CAST-IN-DRILLED-HOLE CONCRETE PILING	M	26		
106	490677	1.2 M CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	M	72		
107	490679	1.8 M CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	M	47		
108	490681	2.4 M CAST-IN-DRILLED-HOLE CONCRETE PILING (ROCK SOCKET)	M	31		
109	042215	1.5 M PERMANENT STEEL CASING	M	219		
110	493486	2.1 M PERMANENT STEEL CASING	M	117		
111	042216	2.7 M PERMANENT STEEL CASING	M	100		
112	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
113 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	M3	365		
114 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	M3	8540		
115 (F)	042217	STRUCTURAL CONCRETE (BOX CULVERT)	M3	380		
116	510060	STRUCTURAL CONCRETE, RETAINING WALL	M3	540		
117 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	M3	498		
118	510126	CLASS 2 CONCRETE (MINOR STRUCTURE)	M3	230		
119	510413	CLASS 1 CONCRETE (BOX CULVERT)	M3	470		
120	510502	MINOR CONCRETE (MINOR STRUCTURE)	M3	430		

**BID ITEM LIST
11-080104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	017311	BLACK HAWK DRYSTACK TEXTURE	M2	420		
122	518051	PTFE SPHERICAL BEARING	EA	10		
123	042218	JOINT SEAL (MR 13 MM)	M	70		
124	042219	JOINT SEAL (MR 25 MM)	M	88		
125	519125	JOINT SEAL ASSEMBLY (MR 70 MM)	M	30		
126	519129	JOINT SEAL ASSEMBLY (MR 101 MM - 160 MM)	M	17		
127	519130	JOINT SEAL ASSEMBLY (MR 161 MM - 240 MM)	M	13		
128	BLANK					
129 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	1 807 000		
130	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	35 900		
131	520107	BAR REINFORCING STEEL (BOX CULVERT)	KG	131 000		
132 (F)	520120	HEADED BAR REINFORCEMENT	EA	2700		
133	560237	FURNISH LAMINATED PANEL SIGN (63.5 MM-TYPE H)	M2	11		
134	560238	FURNISH SINGLE SHEET ALUMINUM SIGN (1.6 MM-UNFRAMED)	M2	160		
135	560239	FURNISH SINGLE SHEET ALUMINUM SIGN (2.0 MM-UNFRAMED)	M2	44		
136	560241	FURNISH SINGLE SHEET ALUMINUM SIGN (1.6 MM-FRAMED)	M2	9		
137	560242	FURNISH SINGLE SHEET ALUMINUM SIGN (2.0 MM-FRAMED)	M2	110		
138	562004	METAL (RAIL MOUNTED SIGN)	KG	1360		
139	566011	ROADSIDE SIGN - ONE POST	EA	170		
140	566012	ROADSIDE SIGN - TWO POST	EA	30		

BID ITEM LIST
11-080104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	21		
142	568007	INSTALL SIGN OVERLAY	M2	1		
143	017312	INSTALL SIGN PANEL FLUSH MOUNTED TO BARRIER	EA	9		
144	568023	INSTALL ROADSIDE SIGN (LAMINATED WOOD BOX POST)	EA	1		
145	017313	STAIN ROCK	M2	35 200		
146	042220	STAIN CONCRETE	M2	710		
147	620909	450 MM ALTERNATIVE PIPE CULVERT	M	160		
148	620913	600 MM ALTERNATIVE PIPE CULVERT	M	280		
149	650069	450 MM REINFORCED CONCRETE PIPE	M	1040		
150	650075	600 MM REINFORCED CONCRETE PIPE	M	2730		
151	650077	750 MM REINFORCED CONCRETE PIPE	M	260		
152	650079	900 MM REINFORCED CONCRETE PIPE	M	77		
153	650081	1050 MM REINFORCED CONCRETE PIPE	M	63		
154	650084	1200 MM REINFORCED CONCRETE PIPE	M	160		
155	650091	1650 MM REINFORCED CONCRETE PIPE	M	68		
156	650094	2100 MM REINFORCED CONCRETE PIPE	M	96		
157	BLANK					
158	690282	600 MM BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (3.51 MM THICK)	M	230		
159	690294	750 MM BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (3.51 MM THICK)	M	25		
160	690297	450 MM BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (3.51 MM THICK)	M	13		

BID ITEM LIST
11-080104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161	700617	DRAINAGE INLET MARKER	EA	5		
162	703233	GRATED LINE DRAIN	M	30		
163	703481	600 MM WELDED STEEL PIPE CASING (BRIDGE)	M	48		
164	705045	600 MM STEEL FLARED END SECTION	EA	4		
165	705222	450 MM CONCRETE FLARED END SECTION	EA	4		
166	705224	600 MM CONCRETE FLARED END SECTION	EA	20		
167	705226	750 MM CONCRETE FLARED END SECTION	EA	1		
168	705336	450 MM ALTERNATIVE FLARED END SECTION	EA	1		
169	707479	900 MM REINFORCED CONCRETE PIPE RISER	M	12		
170	017314	ABANDON WATER LINE	M	2980		
171	017315	300 MM STEEL CEMENT-MORTAR LINED AND COATED WATER MAIN (CLASS 350)	M	730		
172	017316	400 MM STEEL CEMENT-MORTAR LINED AND COATED WATER MAIN (CLASS 350)	M	900		
173	017317	200 MM CHECK VALVE	EA	1		
174	017318	200 MM STEEL CEMENT-MORTAR LINED AND COATED WATER MAIN (CLASS 350)	M	170		
175	017319	250 MM POLYVINYL CHLORIDE WATER PIPE (CLASS 200)	M	730		
176	017320	300 MM POLYVINYL CHLORIDE WATER PIPE (CLASS 200)	M	800		
177	017321	50 MM AIR RELEASE VALVE	EA	6		
178	017322	50 MM BLOW-OFF VALVE	EA	5		
179	017323	TELEVISIONING SEWER MAIN	LS	LUMP SUM	LUMP SUM	
180	017324	200 MM POLYVINYL CHLORIDE WATER PIPE (CLASS 200)	M	88		

BID ITEM LIST
11-080104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181	BLANK					
182	BLANK					
183	BLANK					
184	719200	SEWER MANHOLE	EA	5		
185	017328	760 MM SEWER STEEL ENCASEMENT (7.00 MM THICK)	M	57		
186	719569	MINOR CONCRETE (PIPE ENCASEMENT)	M3	15		
187	720117	ROCK SLOPE PROTECTION (4T, METHOD A)	M3	170		
188	721008	ROCK SLOPE PROTECTION (LIGHT, METHOD B)	M3	22 000		
189	721010	ROCK SLOPE PROTECTION (BACKING NO. 1, METHOD B)	M3	80		
190	721011	ROCK SLOPE PROTECTION (BACKING NO. 2, METHOD B)	M3	130		
191	721023	ROCK SLOPE PROTECTION (1/2T, METHOD B)	M3	3310		
192	721024	ROCK SLOPE PROTECTION (1/4T, METHOD B)	M3	60		
193	727902	MINOR CONCRETE (SLOPE PROTECTION)	M3	820		
194	729010	ROCK SLOPE PROTECTION FABRIC	M2	950		
195	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	M3	500		
196	750001	MISCELLANEOUS IRON AND STEEL	KG	18 900		
197 (F)	750497	MISCELLANEOUS METAL (RESTRAINER - BAR TYPE)	KG	2410		
198 (F)	750501	MISCELLANEOUS METAL (BRIDGE)	KG	2940		
199 (F)	750505	BRIDGE DECK DRAINAGE SYSTEM	KG	15 600		
200	017329	WILDLIFE FENCE	M	10 300		

BID ITEM LIST
11-080104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
241	860401	LIGHTING	LS	LUMP SUM	LUMP SUM	
242	860402	LIGHTING (CITY STREET)	LS	LUMP SUM	LUMP SUM	
243	017334	COMMUNICATION SYSTEM	LS	LUMP SUM	LUMP SUM	
244	017335	NETWORKING AND COMMUNICATION EQUIPMENT	LS	LUMP SUM	LUMP SUM	
245	860796	SPRINKLER CONTROL CONDUIT (BRIDGE)	M	180		
246	860797	ELECTRIC SERVICE (IRRIGATION)	LS	LUMP SUM	LUMP SUM	
247	860931	TRAFFIC MONITORING STATION (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
248	860932	TRAFFIC MONITORING STATION (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
249	017336	150 MM FIRE HYDRANT AND ASSEMBLY	EA	2		
250	BLANK					
251	017655	REMOVE ASBESTO CEMENT WATER LINE	M	560		
252	150841	REMOVE SEWER PIPE	M	120		
253	152610	MODIFY MANHOLE	EA	2		
254	017656	560 MM SEWER STEEL ENCASEMENT (9.5 MM THICK)	M	41		
255	017657	350 MM POLYVINYL CHLORIDE SEWER FORCE MAIN (AWWA C-905) (SDR 26)	M	45		
256	017658	300 MM POLYVINYL CHLORIDE SEWER PIPE (SDR 35)	M	60		
257	017659	250 MM POLYVINYL CHLORIDE SEWER PIPE (SDR 26)	M	130		
258	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____