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DIVISION OF ENGINEERING SERVICES
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*Flex your power!
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May 29, 2009

04-Ala-84,580-46.4/47.2,21.0/24.0
04-171334
HPLUL-6204 (078)

Addendum No. 7

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ALAMEDA COUNTY IN LIVERMORE ON ROUTE 580 FROM 0.2 KM EAST OF PORTOLA AVENUE OVERCROSSING TO 0.1 KM EAST OF AIRWAY BOULEVARD OVERCROSSING AND ON ROUTE 84 FROM 0.3 KM NORTH OF AIRWAY BOULEVARD TO 0.5 KM SOUTH OF PORTOLA AVENUE .

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 Tuesday, June 9, 2009.

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

Project Plan Sheets 15, 17, 21, 96, 98, 101, 106, 107, 111, 111A, 287, 289, 305, 309, 310, 311, 315, 317, 318, 319, 408, 422, 432, 433, 434, 437, 439, 443, 444, 445, 447, 448, 449, 457, 461, 462, 463, 466, 467, 469, 472, 473, and 474 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 75A, 456A, 456B, 456C, 473A, 473B, and 473C are added. Copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION AND LIQUIDATED DAMAGES," the following paragraphs are added after the first paragraph:

"Working days bid include all work restrictions, including the restriction on activities performed on the travel lanes of Interstate 580 between the Airway Boulevard Interchange and the Portola Avenue Interchange.
Contract time will not be suspended prior to September 2, 2010 for any reason other than weather."

In the Special Provisions, Section 5-1.08, "SUPPLEMENTAL PROJECT INFORMATION," the second paragraph, Item no. 10 is added as follows:

"10. Copy of Bay Area Rapid Transit (BART) Permit to Enter (Permit No. L-29.4-006-LV) signed July 11, 2008 and amendment, dated December 1, 2008."

In the Special Provisions, Section 5-1.132, "RELATIONS WITH BAY AREA RAPID TRANSIT DISTRICT," is added as attached.

In the Special Provisions, Section 5-1.134, "RESPONSIBILITY TO OTHER ENTITIES," is added as attached.

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In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the following paragraph is added after the seventh paragraph:

"Where the planting of willow cuttings and erosion control (using seed Type 2) is completed, no additional work shall be allowed."

In the Special Provisions, Section 10-1.37, "EARTHWORK," the second and third paragraphs are deleted.

In the Special Provisions, Section 10-1.41, "EROSION CONTROL (TYPE D)," is revised as attached.

In the Special Provisions, Section 10-1.415, "WILLOW CUTTINGS (PLANT GROUP W)," is added as attached.

In the Special Provisions, Section 10-1.65, "ARCHITECTURAL SURFACE (TEXTURED CONCRETE)," the second paragraphs is revised as follows:

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

- A. Fractured fin texture
- B. Formed relief textures on barriers and pedestals"

In the Special Provisions, Section 10-1.65, "ARCHITECTURAL SURFACE (TEXTURED CONCRETE)," the following paragraph is added after the third paragraph:

"The architectural texture shall simulate a formed relief texture constructed to the dimensions and shapes shown on the plans. Corners at the intersection of plane surfaces shall be sharp and crisp without easing or rounding. A Class 1 surface finish shall be applied to the architectural texture."

In the Special Provisions, Section 10-1.65, "ARCHITECTURAL SURFACE (TEXTURED CONCRETE)," subsection "TEST PANEL," the first sentence is revised as follows:

"Test panel for fracture fin texture, at least 1.25 m x 1.25 m in size shall be successfully completed at a location approved by the Engineer before beginning work on architectural textures."

In the Special Provisions, Section 10-1.65, "ARCHITECTURAL SURFACE (TEXTURED CONCRETE)," subsection "TEST PANEL,") the following paragraph is added after the first paragraph:

"Test panel for formed relief textures on barriers and pedestals, at least 5.5 m long in size of concrete barrier with one full length arch including pedestal at one side shall be successfully completed at a location approved by the Engineer before beginning work on formed relief texture. The test panel shall be constructed and finished with the materials, tools, equipment, and methods to be used in constructing the formed relief texture. If ordered by the Engineer, additional test panels shall be constructed and finished until the specified finish, texture, and color are obtained, as determined by the Engineer."

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In the Special Provisions, Section 10-1.97, "CHAIN LINK RAILING," is revised as follows:

"Chain link Railing shall conform to the provisions in Section 83-1, "Railings", of the Standard Specifications and these Special Provisions.

The chain link fabric shall be 9-gage (3.76 mm) Type IV, Class B, Forest Green color (Federal Standard 595B No. 24079) bonded vinyl coated fabric conforming to the requirements in AASHTO Designation: M 181. The strength of the bond between the coating material and steel of the bonded vinyl coated chain link fabric shall be equal to or greater than cohesive strength of the polyvinyl chloride (PVC) coating material.

Chain link railing framing shall be painted after fabrication in conformance with the provisions in Section 59-3, "Painting of Galvanized Surfaces" and Section 91, "Paint," of the Standard Specifications and these special provisions. The first and the second finish coats shall be of Forest Green color (Federal Standard 595B No. 24079).

Full compensation for furnishing vinyl coated chain link mesh and painted metal framing as shown on the plans shall be considered as included in the contract price paid per meter for chain link railing (Type 6 Modified) and no separate payment will be allowed therefore."

In the Special Provisions, Section 10-1.98, "CONCRETE BARRIER," the following paragraphs are added after the third paragraph:

"Anchor bolts, fasteners and plates for the electoliers shall conform to the provisions in Section 75, "Miscellaneous Metal" of the Standard Specifications.

Galvanizing of anchors bolts, fasteners and plates for the electoliers shall conform to the provisions in Section 75-1.05, "Galvanizing" of the Standard Specifications."

In the Special Provisions, Section 10-1.98, "CONCRETE BARRIER," the fourth paragraph is revised as follows:

"Concrete barrier (Type 26A Modified) will be measured and paid for as Concrete Barrier (Type 26 Modified). Concrete barrier (Type 732A) will be measured and paid for as Concrete Barrier (Type 732). Concrete barrier (Type 736A Modified) will be measured and paid for as concrete barrier (Type 736 Modified)."

In the Special Provisions, Section 10-1.98, "CONCRETE BARRIER," the following paragraph is added after the fifth paragraph.

"Full compensation for furnishing and installing anchor bolts, fasteners and plates for electoliers as shown on plans shall be considered as included in the contract price paid per meter for the concrete barrier of the type or types listed in the Engineer's Estimate and no separate payment will be made therefore."

In the Bid book, in the "Bid Item List," Items 89, 121, 135, and 241 are revised, Items 277, 278, 279, 280, 281, 282, and 283 are added and Items 85, 229, 231, 240, and 276 are deleted as attached.

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To Bid book holders:

Replace the entire "Bid Item List" in the Bid book with the attached revised Bid Item List. The revised Bid Item List is to be used in the bid.

Attached is a CD of the added Supplemental Project Information Handout (BART Permit).

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 office is sending this addendum by GSO overnight mail to Bid book holders to ensure that each receives it. A copy of this addendum is available for the Contractors' use on the Web site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addenda.php

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
Division of Engineering Services - Office Engineer

Attachments

5-1.132 RELATIONS WITH THE SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT (BART)

The City of Livermore and the San Francisco Bay Area Rapid Transit District (BART) have entered into an agreement for the BART parcel located approximately south of Route 580, east of Kitty Hawk Road, and north and west of the Arroyo Las Positas. The Contractor shall be fully informed of the requirements of this agreement and all rules, regulations, and conditions that may govern the Contractor's operations in these areas and shall conduct the work accordingly.

The Contractor's attention is directed to Notice (for the 14 day advance notification requirement), Indemnity (for clauses indemnifying BART), and Insurance (for minimum liability insurance coverage) that are among those established by the BART Permit to Enter (Permit No. L-29.4-006-LV) signed July 11, 2008 and its amendment, dated December 1, 2008, for this project. Specifically, the Contractor shall indemnify and hold harmless BART as stated in Section 19 of the Permit. In addition, the Contractor must secure and provide appropriate evidence of insurance coverage, for example, liability insurance, as set forth in the addendum to the Permit.

Modifications to the agreement or permits between the City of Livermore and BART that are proposed by the Contractor shall be submitted in writing to the Engineer for consideration for transmittal to the BART for their consideration.

Modifications to the original agreement between the City of Livermore and BART shall be fully binding on the Contractor.

The provisions of this section and approved modifications shall be made a part of every subcontract executed pursuant to this contract.

5-1.134 RESPONSIBILITY TO OTHER ENTITIES

The Contractor shall be responsible for any liability imposed by law and for injuries to or death of any person including, but not limited to, workers and the public or damage to property, and shall name as additional insured under the General Liability and Umbrella Liability Policies and, indemnify and save harmless the City of Livermore, Alameda County Transportation Improvements Authority, Bay Area Rapid Transit District, ., and Pacific Gas & Electric Co., their officers, directors, agents (excluding agents who are design professionals), and employees connected with the work all in the same manner and to the same extent conforming to the provisions in Section 7-1.12, "Indemnification and Insurance," of the Standard Specifications, for the protection of the State of California and all its officers, directors, agents, and employees thereof connected with the work.

10-1.41 EROSION CONTROL (TYPE D)

Erosion control (Type D) includes applying erosion control materials to embankment and excavation slopes and other areas disturbed by construction activities and in areas shown on plans. Erosion control (Type D) must comply with Section 20-3, "Erosion Control," of the Standard Specifications and these special provisions.

Apply erosion control (Type D) when an area is ready to receive erosion control as determined by the Engineer and under "Move-in/Move-out (Erosion Control)" of these special provisions.

Before applying erosion control materials, prepare soil surface under Section 19-2.05, "Slopes," of the Standard Specifications, except that rills and gullies exceeding 50 mm in depth or width must be leveled. Remove vegetative growth, temporary erosion control materials, and other debris from areas to receive erosion control.

Before applying erosion control materials, the Engineer designates the ground location of erosion control (Type D) in increments of one hectare or smaller for smaller areas. Place stakes or other suitable markers at the locations designated by the Engineer. Furnish all tools, labor and materials required to adequately indicate the various locations.

MATERIALS

Materials must comply with Section 20-2, "Materials," of the Standard Specifications and these special provisions.

Seed

Seed must comply with Section 20-2.10, "Seed," of the Standard Specifications. Seed not required to be labeled under the California Food and Agricultural Code shall be tested for purity and germination by a seed laboratory certified by the Association of Official Seed Analysts or by a seed technologist certified by the Society of Commercial Seed Technologists. Measure and mix individual seed species in the presence of the Engineer.

Seed must contain at most 1.0 percent total weed seed by weight.

Deliver seed to the job site in unopened separate containers with the seed tag attached. Containers without a seed tag attached are not accepted. The Engineer takes a sample of approximately 30 g or 60 ml of seed for each seed lot greater than 1 kg.

Seed must comply with the following:

Seed (Type 1)

Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms Pure Live Seed Per Hectare (Slope Measurement)
*Elymus glaucus 'Anderson' Creeping Wild Rye, Anderson	40	7
*Elymus X Triticum Hybrid Sterile Wheatgrass	50	70
*Eschscholzia californica California Poppy	35	2
*Hordeum californicum California Barley	40	11
*Lasthenia californica Goldfields	40	1
*Leymus triticoides var, Rio Creeping Wild Rye	35	7

*Seed produced in California only.

Seed (Type 2)

Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms Pure Live Seed Per Hectare (Slope Measurement)
*Bromus hordeaceus California Brome	40	22
*Hordeum brachyantherum Meadow Barley	40	17
*Leymus triticoides var, Rio Creeping Wild Rye	35	17
* Baccharis pilularis Coyote Brush	35	10
* Artemisia californica California Sagebrush	35	10

*Seed produced in California only.

Seed Sampling Supplies

At the time of seed sampling, provide the Engineer a glassine lined bag and custody seal tag for each seed lot sample.

Straw

Straw must comply with Section 20-2.06, "Straw," of the Standard Specifications and these special provisions.

Wheat and barley straw must be derived from irrigated crops.

Before delivery of wheat or barley straw to the job site, provide the name, address and telephone number of the grower.

Compost

The compost producer must be fully permitted as specified under the California Integrated Waste Management Board, Local Enforcement Agencies and any other State and Local Agencies that regulate Solid Waste Facilities. If exempt from State permitting requirements, the composting facility must certify that it follows guidelines and procedures for production of compost meeting the environmental health standards of Title 14, California Code of Regulations, Division 7, Chapter 3.1, Article 7.

The compost producer must be a participant in United States Composting Council's Seal of Testing Assurance program.

Compost may be derived from any single, or mixture of any of the following feedstock materials:

1. Green material consisting of chipped, shredded, or ground vegetation; or clean processed recycled wood products
2. Biosolids
3. Manure
4. Mixed food waste

Compost feedstock materials to reduce weed seeds, pathogens and deleterious materials as specified under Title 14, California Code of Regulations, Division 7, Chapter 3.1, Article 7, Section 17868.3

Compost must not be derived from mixed municipal solid waste and must be reasonably free of visible contaminants. Compost must not contain paint, petroleum products, pesticides or any other chemical residues harmful to animal life or plant growth. Compost must not possess objectionable odors.

Metal concentrations in compost must not exceed the maximum metal concentrations listed in Title 14, California Code of Regulations, Division 7, Chapter 3.1, Section 17868.2.

Compost must comply with the following:

Physical/Chemical Requirements		
Property	Test Method	Requirement
pH	*TMECC 04.11-A, Elastometric pH 1:5 Slurry Method, pH Units	6.0–8.0
Soluble Salts	TMECC 04.10-A, Electrical Conductivity 1:5 Slurry Method dS/m (mmhos/cm)	0-10.0
Moisture Content	TMECC 03.09-A, Total Solids & Moisture at 70+/- 5 deg C, % Wet Weight Basis	N/A
Organic Matter Content	TMECC 05.07-A, Loss-On-Ignition Organic Matter Method (LOI), % Dry Weight Basis	30–65
Maturity	TMECC 05.05-A, Germination and Vigor Seed Emergence Seedling Vigor % Relative to Positive Control	80 or Above 80 or Above
Stability	TMECC 05.08-B, Carbon Dioxide Evolution Rate mg CO ₂ -C/g OM per day	8 or below
Particle Size	TMECC 02.02-B Sample Sieving for Aggregate Size Classification % Dry Weight Basis	95% Passing 16 mm 70% Passing 9 mm
Pathogen	TMECC 07.01-B, Fecal Coliform Bacteria < 1000 MPN/gram dry wt.	Pass
Pathogen	TMECC 07.01-B, Salmonella < 3 MPN/4 grams dry wt.	Pass
Physical Contaminants	TMECC 02.02-C, Man Made Inert Removal and Classification: Plastic, Glass and Metal, % > 4mm fraction	Combined Total: < 1.0
Physical Contaminants	TMECC 02.02-C, Man Made Inert Removal and Classification: Sharps (Sewing needles, straight pins and hypodermic needles), % > 4mm fraction	None Detected

*TMECC refers to "Test Methods for the Examination of Composting and Compost," published by the United States Department of Agriculture and the United States Compost Council (USCC).

Before compost application, provide the Engineer with a copy of the compost producer's compost technical data sheet and a copy of the compost producers Seal of Testing Assurance certification. The compost technical data sheet includes:

1. Laboratory analytical test results
2. Directions for product use
3. List of product ingredients

Before compost application, provide the Engineer with a Certificate of Compliance under Section 6-1.07, "Certificates of Compliance," of the Standard Specifications.

Stabilizing Emulsion

Stabilizing emulsion must comply with Section 20-2.11, "Stabilizing Emulsion," of the Standard Specifications and these special provisions.

Stabilizing emulsion:

1. Must be in a dry powder form
2. Must be a processed organic adhesive used as a soil tackifier
3. May be reemulsifiable

APPLICATION

Seed (Type 1)

Apply erosion control materials in separate applications in the following sequence:

1. Apply the following mixture with hydroseeding equipment at the rates indicated within 60 minutes after the seed has been added to the mixture:

Material	Kilograms Per Hectare (Slope Measurement)
Seed	98
Fiber	320

Material	Cubic Meter Per Hectare (Slope Measurement)
Compost	5

2. Compost may be dry applied at the total of the rates specified in the preceding table and the following table instead of including it as part of the hydro-seeding operations. In areas where the compost is dry applied, all compost for that area must be applied before the next operation.
3. Apply straw at the rate of 3.5 tonnes per hectare based on slope measurements. Incorporation of straw will not be required. Distribute straw evenly without clumping or piling.
4. Apply the following mixture with hydro-seeding equipment at the corresponding rates:

Material	Kilograms Per Hectare (Slope Measurement)
Fiber	320
Stabilizing Emulsion (Solids)	140

Seed (Type 2)

Apply erosion control materials in separate applications in the following sequence:

1. Apply the following mixture with hydroseeding equipment at the rates indicated within 60 minutes after the seed has been added to the mixture:

Material	Kilograms Per Hectare (Slope Measurement)
Seed	76
Fiber	320

Material	Cubic Meter Per Hectare (Slope Measurement)
Compost	5

2. Compost may be dry applied at the total of the rates specified in the preceding table and the following table instead of including it as part of the hydro-seeding operations. In areas where the compost is dry applied, all compost for that area must be applied before the next operation.
3. Apply straw at the rate of 3.5 tonnes per hectare based on slope measurements. Incorporation of straw will not be required. Distribute straw evenly without clumping or piling.
4. Apply the following mixture with hydro-seeding equipment at the corresponding rates:

Material	Kilograms Per Hectare (Slope Measurement)
Fiber	320
Stabilizing Emulsion (Solids)	135

The ratio of total water to total stabilizing emulsion in the mixture must be as recommended by the manufacturer.

Hydraulic application of materials for erosion control (netting) areas shall be applied by hose, from the ground. Erosion control (Type D) materials shall be applied onto the slope face such that the materials are well integrated into the erosion control (netting) and in contact with ground surface. Application shall be perpendicular to the slope face such that erosion control (netting) materials are not damaged or displaced. Erosion control (netting) damaged by the Contractor's operations shall be replaced by the Contractor at the Contractor's expense. Once straw work is started in an area, complete stabilizing emulsion applications in that area on the same working day.

The Engineer may change the rates of erosion control materials to meet field conditions.

MEASUREMENT AND PAYMENT

Erosion control (Type D) will be measured by the square meter or by the hectare, whichever is designated in the Engineer's Estimate. The area will be calculated on the basis of actual or computed slope measurements.

The contract price paid per square meter or hectare for erosion control (Type D) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in applying erosion control (Type D) complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

10-1.415 WILLOW CUTTINGS (PLANT GROUP W)

Willow cutting work shall consist of obtaining, transporting and planting willow cuttings in conformance with the provisions in Section 20-4, "Highway Planting," of the Standard Specifications and these special provisions.

Willow cuttings shall not be planted until the soil is moist to a minimum depth of 200 mm, unless otherwise permitted, in writing, by the Engineer.

Prior to planting, an area 600 mm in diameter shall be cleared of weed growth at each proposed plant (willow cutting) location. Pesticides shall not be used for weed control within the 600-mm diameter area.

The Contractor shall notify the Engineer, in writing, at least 10 working days prior to gathering willow cuttings. The cuttings shall be taken only from the work site or elsewhere along the Arroyo Las Positas Creek or other adjacent areas designated by the Engineer.

Willow cuttings shall be taken at random from healthy, vigorous plants. No more than 50 percent of the plants in a designated area shall be cut. No more than 25 percent of each individual plant shall be cut. Cuts shall be made with sharp, clean tools.

Willow cuttings shall be reasonably straight, 500 mm to 600 mm in length, and 20 mm to 40 mm in diameter at the base of the cutting. The top of each willow cutting shall be cut square above a leaf bud, and the base of each willow cutting shall be cut below a leaf bud at an angle of approximately 45 degrees. Willow cuttings shall have leaves and branches trimmed off flush with the stem. Pruned branches and trimmings shall be spread in the designated willow cutting areas so that no areas are left unsightly.

Willow cuttings shall be planted within 48 hours after cutting and shall be kept wet until planted. Willow cuttings not planted within 48 hours after cutting, or allowed to dry out, shall not be used. Willow cuttings not used shall be disposed of in conformance with the provisions in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

A root stimulant shall be applied to the willow cuttings immediately prior to planting. The stimulant shall be applied in conformance with the printed instructions of the root stimulant manufacturer. A copy of the instructions shall be furnished to the Engineer prior to applying the stimulant.

Planting holes shall be made perpendicular to the ground line and shall be formed with a steel bar or excavated by use of an auger, post hole digger or similar tools. Plant holes shall be large enough to receive the willow cuttings in order that the willow cuttings may be planted to the proper depths without damage to the bark. Where rock or other hard material prohibits holes from being excavated as specified, new holes shall be excavated and the abandoned holes backfilled.

If the soil in and around the plant hole is not wet prior to planting, the soil shall be watered and maintained in a wet state until the willow cuttings are planted.

The base of willow cuttings shall be planted from 250 mm to 300 mm deep (approximately one-half the willow cutting's length) and shall have from 3 to 5 bud scars exposed above the plant hole. Cuttings with more than 5 bud scars exposed shall have excess scars removed by pruning. After planting, the plant holes shall be backfilled with excavated material. The excavated material shall be distributed evenly within the hole without clods, lumps or air pockets and compacted without damage to the willow cutting's bark. Compaction shall be adequate to prevent the willow cutting from being easily removed from the soil.

Cuttings shall be watered and maintained in a healthy condition from the time the cuttings are planted until acceptance of the contract. Cuttings that die shall be replaced at the Contractor's expense. The method of planting replacement cuttings shall be as specified in this section for willow cuttings.

The quantity of willow cuttings will be measured as units determined from actual count in place, excluding additional willow cuttings required for replacement cuttings.

Full compensation for obtaining and transporting willow cuttings, preparing planting holes, applying root stimulant, and for watering and maintaining willow cuttings shall be considered as included in the contract unit price paid for plant (Group W) and no additional compensation will be allowed therefor.

**BID ITEM LIST
04-171334**

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	070018	TIME-RELATED OVERHEAD	LS	LUMP SUM	LUMP SUM	
3	071322	TEMPORARY FENCE (TYPE CL-1.8)	M	320		
4	071325	TEMPORARY FENCE (TYPE ESA)	M	2280		
5	015061	TEMPORARY WILDLIFE EXCLUSION FENCING	M	2280		
6	015062	TEMPORARY CREEK DIVERSION SYSTEM	LS	LUMP SUM	LUMP SUM	
7	015063	HEALTH, SAFETY, AND WORK PLAN	LS	LUMP SUM	LUMP SUM	
8	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
9	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
10	074043	TEMPORARY CONCRETE WASHOUT BIN	EA	4		
11	074029	TEMPORARY SILT FENCE	M	3670		
12	074033	TEMPORARY CONSTRUCTION ENTRANCE	EA	4		
13	074034	TEMPORARY COVER	M2	8500		
14	074035	TEMPORARY CHECK DAM	M	710		
15	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	110		
16	015064	TEMPORARY FLARED END SECTION PROTECTION	EA	35		
17	074041	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
18	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
19	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
20	120120	TYPE III BARRICADE	EA	27		

BID ITEM LIST
04-171334

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	120152	TEMPORARY PAVEMENT MARKING (TAPE)	M2	14		
22	015065	TEMPORARY OBJECT MARKER (TYPE P)	EA	19		
23	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	M	17 300		
24	120165	CHANNELIZER (SURFACE MOUNTED)	EA	220		
25	120300	TEMPORARY PAVEMENT MARKER	EA	1180		
26	128650	PORTABLE CHANGEABLE MESSAGE SIGN	EA	6		
27	129000	TEMPORARY RAILING (TYPE K)	M	4940		
28	129100	TEMPORARY CRASH CUSHION MODULE	EA	98		
29	015066	CAP SEWER MAINTENANCE HOLE	EA	7		
30	150206	ABANDON CULVERT	M	390		
31	015067	ABANDON 300 MM WATER LINE (CITY WATER)	M	210		
32	015068	ABANDON 300 MM WATER LINE (RECYCLED WATER)	M	250		
33	015069	ABANDON 360 MM WATER LINE (CITY WATER)	M	95		
34	015070	ABANDON 600 MM WATER LINE (RECYCLED WATER)	M	55		
35	150241	ABANDON SEWER	M	420		
36	015071	ABANDON VALVE (CITY WATER)	EA	4		
37	015072	ABANDON VALVE (RECYCLED WATER)	EA	12		
38	150305	OBLITERATE SURFACING	M2	6500		
39	150608	REMOVE CHAIN LINK FENCE	M	3710		
40	150662	REMOVE METAL BEAM GUARD RAILING	M	470		

BID ITEM LIST
04-171334

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150668	REMOVE FLARED END SECTION	EA	5		
42	015073	REMOVE ROCK SLOPE PROTECTION	EA	6		
43	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	M	15 300		
44	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	M2	9		
45	150722	REMOVE PAVEMENT MARKER	EA	1120		
46	150744	REMOVE ROADSIDE SIGN (WOOD POST)	EA	28		
47	150745	REMOVE ROADSIDE SIGN (METAL POST)	EA	14		
48	150747	REMOVE ROADSIDE SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	7		
49	150760	REMOVE SIGN STRUCTURE	EA	4		
50	150771	REMOVE ASPHALT CONCRETE DIKE	M	31		
51	150805	REMOVE CULVERT	M	64		
52	015074	REMOVE 300 MM WATER LINE (CITY WATER)	M	56		
53	015075	REMOVE VALVE (CITY WATER)	EA	1		
54	015076	REMOVE WATER METER (CITY WATER)	EA	1		
55	015077	REMOVE WATER METER (RECYCLED WATER)	EA	2		
56	015078	REMOVE FIRE HYDRANT (RECYCLED WATER)	EA	3		
57	015079	REMOVE VALVE (RECYCLED WATER)	EA	1		
58	015080	REMOVE RISER (RECYCLED WATER)	EA	1		
59	150820	REMOVE INLET	EA	6		
60	150821	REMOVE HEADWALL	EA	1		

**BID ITEM LIST
04-171334**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	150826	REMOVE MANHOLE	EA	4		
62	150841	REMOVE SEWER PIPE	M	40		
63	150860	REMOVE BASE AND SURFACING	M3	1650		
64	BLANK					
65	015082	ADJUST WATER VALVE BOX FRAME AND COVER TO GRADE (CITY WATER)	EA	1		
66	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	M2	121 000		
67	153211	REMOVE CONCRETE SIDEWALK AND DRIVEWAY	M2	170		
68	153214	REMOVE CONCRETE CURB	M	610		
69	153215	REMOVE CONCRETE (CURB AND GUTTER)	M	500		
70	153229	REMOVE CONCRETE BARRIER (TYPE K)	M	160		
71	155003	CAP INLET	EA	11		
72	157550	BRIDGE REMOVAL	LS	LUMP SUM	LUMP SUM	
73	157561	BRIDGE REMOVAL (PORTION), LOCATION A	LS	LUMP SUM	LUMP SUM	
74	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
75	190101	ROADWAY EXCAVATION	M3	20 300		
76	190108	ROADWAY EXCAVATION (TYPE Y-2) (AERIALY DEPOSITED LEAD)	M3	3450		
77	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
78	190113	ASBESTOS COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
79 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	2030		
80 (F)	192008	STRUCTURE EXCAVATION (TYPE A)	M3	1625		

BID ITEM LIST
04-171334

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	295		
82 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	M3	1420		
83 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	M3	907		
84 (F)	193114	SAND BACKFILL	M3	439.1		
85	BLANK					
86	194001	DITCH EXCAVATION	M3	1300		
87	198001	IMPORTED BORROW	M3	195 000		
88	200052	PRUNE EXISTING PLANTS	LS	LUMP SUM	LUMP SUM	
89	203016	EROSION CONTROL (TYPE D)	M2	2.7		
90	203018	EROSION CONTROL (NETTING)	M2	5230		
91	203021	FIBER ROLLS	M	6850		
92	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	15		
93	BLANK					
94	208731	200 MM CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	M	190		
95	220101	FINISHING ROADWAY	LS	LUMP SUM	LUMP SUM	
96	240100	LIME	TONN	760		
97	015085	LIME STABILIZATION	M2	11 900		
98	250401	CLASS 4 AGGREGATE SUBBASE	M3	17 800		
99	260301	CLASS 3 AGGREGATE BASE	M3	13 500		
100	270065	ASPHALTIC EMULSION (CURING SEAL)	TONN	8		

BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	280000	LEAN CONCRETE BASE	M3	2240		
102	390131	HOT MIX ASPHALT	TONN	32 400		
103	390137	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TONN	6240		
104	390138	RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)	TONN	6410		
105	391007	PAVING ASPHALT (BINDER, GEOSYNTHETIC PAVEMENT INTERLAYER)	TONN	7		
106	393003	GEOSYNTHETIC PAVEMENT INTERLAYER	M2	6160		
107	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	M	240		
108	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	M	2930		
109	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	M	160		
110	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	M2	12		
111	490655	400 MM CAST-IN-DRILLED-HOLE CONCRETE PILING	M	1460		
112	041531	FURNISH PILING (CLASS 900) (ALTERNATIVE 'X')	M	2739		
113	041532	DRIVE PILE (CLASS 900) (ALTERNATIVE 'X')	EA	152		
114	490700	FURNISH PILING (CLASS 900) (ALTERNATIVE W)	M	2331		
115	490701	DRIVE PILE (CLASS 900) (ALTERNATIVE W)	EA	140		
116	041533	FURNISH PILING (CLASS 625) (ALTERNATIVE 'X')	M	1159		
117	041534	DRIVE PILE (CLASS 625) (ALTERNATIVE 'X')	EA	96		
118	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
119	510000	SEAL COURSE CONCRETE	M3	174		
120 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	M3	786		

BID ITEM LIST
04-171334

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	M3	6731		
122 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	M3	436		
123 (F)	510085	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE EQ)	M3	64		
124 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	M3	116		
125 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	M3	296.7		
126 (F)	511063	FRACTURED FIN TEXTURE	M2	470		
127	511106	DRILL AND BOND DOWEL	M	42		
128 (F)	518002	SOUND WALL (MASONRY BLOCK)	M2	1610		
129	518050	PTFE BEARING	EA	2		
130	519117	JOINT SEAL (MR 30 MM)	M	30		
131	519120	JOINT SEAL (MR 15 MM)	M	25		
132	519126	JOINT SEAL ASSEMBLY (MR 80 MM)	M	79		
133	519127	JOINT SEAL ASSEMBLY (MR 90 MM)	M	13		
134	519144	JOINT SEAL (MR 50 MM)	M	27		
135 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	1 009 200		
136 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	16 107		
137 (F)	560203	FURNISH SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	KG	5500		
138 (F)	560204	INSTALL SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	KG	5500		
139 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	KG	40 090		
140 (F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	KG	40 090		

**BID ITEM LIST
04-171334**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141	560233	FURNISH FORMED PANEL SIGN (OVERHEAD)	M2	190		
142	015086	FURNISH SINGLE SHEET ALUMINUM SIGN (2.0 MM-UNFRAMED) (OVERHEAD)	M2	8		
143	560236	FURNISH LAMINATED PANEL SIGN (63.5 MM-TYPE B)	M2	8		
144	560238	FURNISH SINGLE SHEET ALUMINUM SIGN (1.6 MM-UNFRAMED)	M2	70		
145	560239	FURNISH SINGLE SHEET ALUMINUM SIGN (2.0 MM-UNFRAMED)	M2	34		
146	560241	FURNISH SINGLE SHEET ALUMINUM SIGN (1.6 MM-FRAMED)	M2	3		
147	560242	FURNISH SINGLE SHEET ALUMINUM SIGN (2.0 MM-FRAMED)	M2	42		
148 (F)	561015	1524 MM CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	M	30		
149	562001	METAL (ROADSIDE SIGN)	KG	230		
150	562002	METAL (BARRIER MOUNTED SIGN)	KG	12		
151	566011	ROADSIDE SIGN - ONE POST	EA	75		
152	566012	ROADSIDE SIGN - TWO POST	EA	14		
153	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	33		
154	568007	INSTALL SIGN OVERLAY	M2	8		
155	568016	INSTALL SIGN PANEL ON EXISTING FRAME	M2	47		
156	015087	150 MM HIGH DENSITY POLYETHYLENE PIPE	M	9		
157	620905	300 MM ALTERNATIVE PIPE CULVERT (TYPE A)	M	4.3		
158	620910	450 MM ALTERNATIVE PIPE CULVERT (TYPE A)	M	870		
159	620914	600 MM ALTERNATIVE PIPE CULVERT (TYPE A)	M	200		
160	620920	750 MM ALTERNATIVE PIPE CULVERT (TYPE A)	M	290		

BID ITEM LIST
04-171334

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161	620925	900 MM ALTERNATIVE PIPE CULVERT (TYPE A)	M	260		
162	015088	1500 MM ALTERNATIVE PIPE CULVERT (TYPE A)	M	29		
163	015089	300 MM POLYVINYL CHLORIDE PRESSURE PIPE (CITY WATER)	M	250		
164	015090	100 MM POLYVINYL CHLORIDE PRESSURE PIPE (RECYCLED WATER)	M	13		
165	015091	360 MM POLYVINYL CHLORIDE PRESSURE PIPE (CITY WATER)	M	85		
166	015092	150 MM POLYVINYL CHLORIDE PRESSURE PIPE (RECYCLED WATER)	M	25		
167	015093	250 MM POLYVINYL CHLORIDE PRESSURE PIPE (RECYCLED WATER)	M	9		
168	015094	300 MM POLYVINYL CHLORIDE PRESSURE PIPE (RECYCLED WATER)	M	230		
169	015095	600 MM POLYVINYL CHLORIDE PRESSURE PIPE (RECYCLED WATER)	M	60		
170	015096	1050 MM REINFORCED CONCRETE PIPE SEWER (T-LOCK POLYVINYL CHLORIDE LINER)	M	22		
171	015097	1830 MM REINFORCED CONCRETE PIPE (CLASS IV)	M	170		
172	015098	JACKED 1830 MM REINFORCED CONCRETE PIPE (CLASS IV)	M	58		
173	664015	450 MM CORRUGATED STEEL PIPE (2.01 MM THICK)	M	54		
174	692385	450 MM ANCHOR ASSEMBLY	EA	6		
175	703481	600 MM WELDED STEEL PIPE CASING (BRIDGE)	M	48		
176	BLANK					
177	705336	450 MM ALTERNATIVE FLARED END SECTION	EA	6		
178	705337	600 MM ALTERNATIVE FLARED END SECTION	EA	6		
179	705339	900 MM ALTERNATIVE FLARED END SECTION	EA	2		
180	015099	WATER METER (CITY WATER)	EA	1		

**BID ITEM LIST
04-171334**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181	015100	WATER METER (RECYCLED WATER)	EA	3		
182	015101	100 MM GATE VALVE (RECYCLED WATER)	EA	2		
183	015102	150 MM GATE VALVE (RECYCLED WATER)	EA	4		
184	015103	250 MM GATE VALVE (RECYCLED WATER)	EA	1		
185	015104	300 MM GATE VALVE (CITY WATER)	EA	2		
186	015105	300 MM GATE VALVE (RECYCLED WATER)	EA	3		
187	015106	360 MM BUTTERFLY VALVE (CITY WATER)	EA	2		
188	015107	600 MM BUTTERFLY VALVE (RECYCLED WATER)	EA	3		
189	015108	300 MM AIR PRESSURE VALVE (CITY WATER)	EA	2		
190	015109	300 MM AIR RELEASE VALVE (RECYCLED WATER)	EA	1		
191	015110	600 MM AIR RELEASE VALVE (RECYCLED WATER)	EA	1		
192	015111	300 MM BLOW OFF VALVE (CITY WATER)	EA	1		
193	015112	300 MM BLOW OFF VALVE (RECYCLED WATER)	EA	1		
194	015113	600 MM BLOW OFF VALVE (RECYCLED WATER)	EA	1		
195	015114	RECYCLED WATER WARNING SIGN	EA	3		
196	015115	WATER LINE ANGLE MARKER (CITY WATER)	EA	2		
197	015116	WATER LINE ANGLE MARKER (RECYCLED WATER)	EA	2		
198	707252	1800 MM PRECAST CONCRETE PIPE MANHOLE	M	10.6		
199	015117	300 MM POLYVINYL CHLORIDE SEWER	M	340		
200	015118	375 MM POLYVINYL CHLORIDE SEWER	M	85		

**BID ITEM LIST
04-171334**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
201	015119	SEWER MAINTENANCE HOLE	EA	8		
202	719589	MINOR CONCRETE (BACKFILL)	M3	110		
203	721008	ROCK SLOPE PROTECTION (LIGHT, METHOD B)	M3	310		
204	721011	ROCK SLOPE PROTECTION (BACKING NO. 2, METHOD B)	M3	72		
205	015120	ROCK SLOPE PROTECTION (1/4 T, BACKING NO. 1, METHOD B)	M3	2900		
206	729010	ROCK SLOPE PROTECTION FABRIC	M2	860		
207	731501	MINOR CONCRETE (CURB)	M3	79		
208	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	M3	27		
209	731504	MINOR CONCRETE (CURB AND GUTTER)	M3	220		
210	731511	MINOR CONCRETE (ISLAND PAVING)	M3	55		
211	731516	MINOR CONCRETE (DRIVEWAY)	M3	7		
212	731521	MINOR CONCRETE (SIDEWALK)	M3	280		
213	731623	MINOR CONCRETE (CURB RAMP)	M3	10		
214	015121	MINOR CONCRETE (CONTRASTING SURFACE TREATMENT)	M3	180		
215 (F)	750001	MISCELLANEOUS IRON AND STEEL	KG	8505		
216 (F)	750498	MISCELLANEOUS METAL (RESTRAINER - CABLE TYPE)	KG	1470		
217 (F)	750501	MISCELLANEOUS METAL (BRIDGE)	KG	150		
218 (F)	750505	BRIDGE DECK DRAINAGE SYSTEM	KG	2700		
219	800382	CHAIN LINK FENCE (TYPE CL-0.9, VINYL-CLAD)	M	200		
220	800391	CHAIN LINK FENCE (TYPE CL-1.8)	M	2450		

BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
221	802595	3.0 M CHAIN LINK GATE (TYPE CL-1.8)	EA	4		
222	810116	SURVEY MONUMENT (TYPE D)	EA	4		
223	820105	DELINEATOR (SPECIAL)	EA	140		
224	820107	DELINEATOR (CLASS 1)	EA	180		
225	820134	OBJECT MARKER (TYPE P)	EA	2		
226	820141	OBJECT MARKER (TYPE K-1)	EA	8		
227	820151	OBJECT MARKER (TYPE L-1)	EA	24		
228	832003	METAL BEAM GUARD RAILING (WOOD POST)	M	490		
229	BLANK					
230	833077	PEDESTRIAN BARRICADE	EA	2		
231	BLANK					
232	839541	TRANSITION RAILING (TYPE WB)	EA	9		
233	839568	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	EA	14		
234	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	20		
235	839601	CRASH CUSHION (TYPE CAT)	EA	1		
236	839602	CRASH CUSHION (TYPE CAT) BACKUP	EA	1		
237	839603	CRASH CUSHION (ADIEM)	EA	4		
238	839701	CONCRETE BARRIER (TYPE 60)	M	140		
239	839703	CONCRETE BARRIER (TYPE 60C)	M	230		
240	BLANK					

BID ITEM LIST
04-171334

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
241 (F)	839720	CONCRETE BARRIER (TYPE 732)	M	187		
242	839721	CONCRETE BARRIER (TYPE 732A)	M	200		
243	839734	CONCRETE BARRIER (TYPE 736SV)	M	610		
244	840515	THERMOPLASTIC PAVEMENT MARKING	M2	410		
245	840561	100 MM THERMOPLASTIC TRAFFIC STRIPE	M	25 500		
246	840562	150 MM THERMOPLASTIC TRAFFIC STRIPE	M	3110		
247	840563	200 MM THERMOPLASTIC TRAFFIC STRIPE	M	4710		
248	840564	200 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 3.66 M - 0.92 M)	M	780		
249	840571	100 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 5.18 M - 2.14 M)	M	3060		
250	840666	PAINT PAVEMENT MARKING (2-COAT)	M2	270		
251	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	5710		
252	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	6100		
253	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
254	015122	EMERGENCY VEHICLE DETECTION SYSTEM	LS	LUMP SUM	LUMP SUM	
255	860251	SIGNAL AND LIGHTING (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
256	860252	SIGNAL AND LIGHTING (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
257	860402	LIGHTING (CITY STREET)	LS	LUMP SUM	LUMP SUM	
258	860460	LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
259	861101	RAMP METERING SYSTEM (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
260	861102	RAMP METERING SYSTEM (LOCATION 2)	LS	LUMP SUM	LUMP SUM	

BID ITEM LIST
04-171334

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
261	861103	RAMP METERING SYSTEM (LOCATION 3)	LS	LUMP SUM	LUMP SUM	
262	861104	RAMP METERING SYSTEM (LOCATION 4)	LS	LUMP SUM	LUMP SUM	
263	015123	SIGNAL INTERCONNECT	LS	LUMP SUM	LUMP SUM	
264	015124	GENERAL PACKET RADIO SYSTEM WIRELESS MODEM ASSEMBLY	EA	4		
265	015125	JOINT TRENCH	LS	LUMP SUM	LUMP SUM	
266	015126	FIRE HYDRANT (RECYCLED WATER)	EA	3		
267	BLANK					
268	200001	HIGHWAY PLANTING	LS	LUMP SUM	LUMP SUM	
269	200101	IMPORTED TOPSOIL	M3	84		
270	203025	COMPOST, INCORPORATE	M2	1710		
271	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
272	016687	150 MM ALTERNATIVE PERFORATED PIPE UNDERDRAIN	M	200		
273	016688	BASIN OUTLET STRUCTURE	EA	3		
274	016689	REMOVE FIRE SERVICE	EA	1		
275	016690	FIRE SERVICE	EA	1		
276	BLANK					
277	204017	PLANT (GROUP W)	EA	60		
278 (F)	016783	FORMED RELIEF TEXTURE	M2	736		
279 (F)	016784	CHAIN LINK RAILING (TYPE 6 MODIFIED)	M	779		
280 (F)	833142	CONCRETE BARRIER (TYPE 26 MODIFIED)	M	393		

**BID ITEM LIST
04-171334**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
281	016785	CONCRETE BARRIER (TYPE 60E MODIFIED)	M	139		
282 (F)	839727	CONCRETE BARRIER (TYPE 736 MODIFIED)	M	387		
283	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

**TOTAL BID
FOR ITEMS:**

\$ _____

**TOTAL
BID
FOR
TIME:**

_____	\$7,200.00	_____
WORKING DAYS	COST PER DAY	\$
BID (Not to exceed 800 Days)		

TOTAL BID FOR COMPARISON (COST PLUS TIME): \$ _____