


**Date:** June 26, 2013

**To:** Jack Osterholt, Director  
Regulatory and Economic Resources  
Small Business Development Division



**From:** James Ferreira, P.E.  
Engineer 2  
Public Works and Waste Management

**Subject:** Notice of Construction Project:  
Miscellaneous Construction Contracts (MCC)  
Program Contract No:  
MCC 7360 Plan – CICC 7360-0/08  
Request for Price Quotation (RPQ) No. 20130163  
Drainage Improvement Project Multiple Sites

Formerly RPQ No. 20120162

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**RECOMMENDATION**

The subject RPQ is submitted for informational purposes only. The Public Works and Waste Management Department (PWWM) respectfully requests that SBD please update its project file.

**BACKGROUND**

PWWM solicited for bids under the MCC 7360 Plan-CICC 7360-0/08 on Thursday, April 11, 2013 and received seven bids for RPQ No. 20120126 on Friday, May 17, 2013. SBD reviewed and analyzed the three apparent low bidders' bids included with PWWM's compliance review submittal package and determined the three lowest bidders were Non-Compliant. Therefore, it was in the County's best interest to reject all bids and re-advertise under the subject Project No.

In the near future, PWWM intends to solicit for bids under the MCC 7360 Plan. The scope of work and cost estimate remains the same and the Community Workforce Program is applicable.

If any additional information is needed, please call me at (305) 375-3267, or Frank Aira at (305) 375-2930.

JF/jf

Attachments (2)

C: Kelly Duncombe, RER  
Bassam Moubayed, PWWM  
Frank Aira, P.E., PWWM  
Alex Barrios, PWWM

Luis O. Perez, PWWM  
Dianah Coakley, PWWM  
Lisset Cabrera, PWWM  
Project File

Miami-Dade County Public Works and Waste Management Department  
Contract/Project Measure Analysis and Recommendation

To: Jack Osterholt, Director  
Regulatory and Economic Resources  
Small Business Development Division

From: James Ferreira, P.E.  
Engineer 2  
Public Works and Waste  
Management Department

Date: Wednesday, June 26, 2013

Department: Public Works and Waste Management

Contract Type:

Single Trade – Drainage Improvement

Request for Price Quotation (RPQ) No.:

20130163

Re-submittal: ☒ Yes; Previous Review Committee (RC) Submittal Dates: March 7, 2013

☐ No

Project Title:

Drainage Improvement Project for Multiple Sites

Standard Industrial Code (SIC):

16-Heavy Construction

Estimated Project Cost:

\$410,531.72

Funding Source:

SWU

Bonding Requirements: Bid Bond– 5% of base bid amount  
Performance Bond- 100% of Contract Award Amount

Method of Award: Apparent Lowest, Responsive, Responsible Bidder: Line Item

Miami-Dade County Public Works and Waste Management Department  
Contract/Project Measure Analysis and Recommendation

RPQ No.: 20130163

RPQ Title: Drainage Improvement Project for Multiple Sites

Scope of Work

- A. Work under this Contract includes furnishing of all supervision, labor, materials, tools, equipment and performing all operations required to construct the Work in accordance with the Contract Documents.
- B. Work includes but is not limited to the construction and installation of drainage structures, French drains, miscellaneous drainage improvements, grading, sodding, and miscellaneous roadway restoration including construction of concrete curbs and gutters and sidewalks where needed in accordance with the construction plans and specifications provided.

Required Contractor's Certification:

At the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, Florida and these Solicitation and Contract Documents, the bidder must hold a valid, current, and active:

Certificate of competency from the County's Construction Trades Qualifying Board as a General Engineering Contractor or as a Specialty Engineering Contractor, commensurate to the requirements of the Scope of Work, in one or more engineering crafts to include paving engineering contractor. The specialty contractor shall subcontract with a qualified contractor any work which is incidental to the specialty but is specified in the aforementioned Code as being the work of other than that of the Engineering Specialty for which certified;

Or,

Certification, as a general contractor, or as a underground utility and excavation contractor, provided by the State of Florida Construction Industry Licensing Board, pursuant to the provisions of Section 489.115 of the Florida Statutes (F.S.).

Additional Information – Permits, Licenses, Certifications, and General Regulations

Permits that are issued by the Public Works Department, Miami-Dade County for construction within the public right-of-way, as well as additional permits, which may be required by other municipalities or agencies, including those required for tree removal, **will be the responsibility of the Contractor.**

County Road Construction Projects – NO PERMITS issued to sub-contractors. Except work related to Traffic Signalization, School Flashing Signals, Internally Illuminated Street Name Sign (IISNS), Street lighting, and Traffic Signal Loops which will require a separate permit issued to an Electrical Contractor to perform such work.

RPQ No.: 20130163

RPQ Title: Drainage Improvement Project for Multiple Sites

#### Traffic Stripes and Markings

The work under pavement markings and signage (Thermoplastic traffic stripes and Markings) consists of placing traffic stripes and markings using a material of the type that is extruded onto the pavement surface in a molten state by mechanical means, with surface application of glass spheres. Upon cooling to normal pavement temperature these materials shall produce an adherent reflectorized pavement marking of specified thickness and width and be capable of resisting deformation by traffic.

PWWM Areas for possible measures:

Clearing and Grubbing; Earthwork; Concrete Pavement; Drainage Structures and Pipes; Concrete; and Traffic Stripes and Markings: Painted and/or Thermoplastic.

PWWM Areas recommended for CSBE participation:

Concrete: Sidewalk and/or Curb and Gutter  
Traffic Stripes & Markings: Painted and/or Thermoplastic

Contract Measure Recommendation:

- ☐ No Measure
- ☐ Set-Aside:
  - Level I
  - Level II
  - Level III
- ☒ Trade Set-Aside(s): Traffic Stripes & Markings & Concrete
- ☐ Aggregate Set-Aside
- ☐ CSBE Subcontractor Goal
- ☒ CWP: Applicable: Please see attached.
- ☐ DBE Subcontractor Goal

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Miami-Dade County Public Works and Waste Management Department  
Contract/Project Measure Analysis and Recommendation

RPQ No.: 20130163

RPQ Title: Drainage Improvement Project for Multiple Sites

Reason for Recommendation:

This is a single trade project; none of the primary trade related work (Drainage) can be subcontracted as per the Miscellaneous Construction Contract (MCC) specifications. Additionally, staff has met with the design engineer, construction project manager, and members of the industry and concluded that there is ancillary work required to complete this project which may be subcontracted for CSBE participation. Also, some categories of work are highly specialized and require special, heavy machinery and/or equipment that are typically owned and/or leased by the contractor.

Comments:

In accordance with the Miami-Dade County Code (The Code), PWWM attached its Project Measure Analysis and Recommendation findings along with other supporting documents for consideration of small business participation. PWWM staff met with the Small Business Development Division's (SBD) Construction Manager in an effort to seek out additional opportunities for CSBEs. The Community Workforce Program (CWP) is applicable to this project. PWWM received a response from the Geocode System which determined that the work location is located in a Designated Target Area (DTA).

Contracts and Specifications staff completed its review of the scope of work for the subject RPQ. Public Works and Waste Management (PWWM) suggests the following contract measure recommendation: Traffic Stripes & Markings and Concrete. Items (Traffic Stripes and Markings & Concrete work) listed under the Miscellaneous Construction category are included in the Bid Form to facilitate payment to the contractor, should those items be needed to complete repairs and/or restoration as a result of damage during construction.

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Miami-Dade County Public Works and Waste Management Department  
Contract/Project Measure Analysis and Recommendation

RPQ No.: 20130163

RPQ Title: Drainage Improvement Project for Multiple Sites

CSBE Prime History of similar Contracts/Projects for previous three years:

CICC 7360 RPQ No. 20100395-\$113,408.50

Scope of Work History Summary – Subcontracting Opportunities:

Areas recommended for CSBE Trade Set-Aside (PWWM/SBD):

Traffic Stripes & Markings and Concrete

Areas used to meet subcontractor goal (Awarded Contractor):

None

Similar Projects previously submitted for Project Review and Analysis Process:

Minimal, since over ninety percent of the drainage work is processed utilizing the CICC 7040 Contract.

CSBE Goal / Project No. / Amount achieved:

Not Applicable

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### Address Entry Form

House Num	1654
ST Dir	NW
ST Name	75
ST Type	ST

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Zip (opt)	<input type="text"/>	<input type="button" value="Find Address"/>
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### Area Entry Form

ST Dir1	ST Name1	ST Type1
SW	100	AVE

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ST Dir2	ST Name2	ST Type2
SW	30	ST

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Zip (opt)	<input type="text"/>	<input type="button" value="Add to list"/>
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Address List	Active
1 NW 32 AVE AND NW 69 ST	<input type="radio"/>
2 SW 117 AVE AND SW 185 ST	<input type="radio"/>
3 SW 100 AVE AND SW 30 ST	<input type="radio"/>
4	<input checked="" type="radio"/>

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<input type="button" value="Clear List"/>	<input type="button" value="Geocode"/>
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[Close]

### Multiple Sites (4)

CONTRACT No.		CONTRACT AMOUNT: \$ 410,531.72			
Item No.	Description	Unit	Total Quantity	Unit Price	Total Price
<b>CLEARING CONSTRUCTION SITES</b>					
110-1-B	Clearing and grubbing	L.S.	1	\$ 5,220.68	\$ 5,220.68
110-2	Clean existing structure (inlet or manhole - include removal and disposal of trash and deleterious materials)	E.A.	1	\$ 163.00	\$ 163.00
110-2-00	Clean existing pipe (include removal and disposal of trash and deleterious materials)	L.F.	0	\$ 6.50	\$ -
110-2-1-A	Clean existing exfiltration trench (include removal and disposal of trash and deleterious materials)	L.F.	0	\$ 9.73	\$ -
110-4	Removal and disposal of existing pavement	S.Y.	0	\$ 2.90	\$ -
110-40	Removal and disposal of concrete slab (Based on 6" thick slab, includes disposal of inlet throat, if required)	S.Y.	0	\$ 10.00	\$ -
<b>MAINTENANCE OF TRAFFIC DEVICES</b>					
102-72	Concrete barrier Class E (temporary, including relocation)	L.F.	0	\$ 19.30	\$ -
102-74-1	Barricades (temporary - Types I, II, VP and Drum)	E.A./day	6400	\$ 0.60	\$ 3,840.00
102-74-2	Barricades (Temporary, Type III, 6')	E.A./day	0	\$ 0.40	\$ -
102-76A	Advance Warning Arrow Panel	E.A./day	340	\$ 13.40	\$ 4,556.00
102-77	High intensity flashing (temporary - Type "B")	E.A./day	0	\$ 1.00	\$ -
102-91-1A	Pavement marking temporary (Solid) (Any width) (Yellow or White) (Paint)	L.F.	150	\$ 0.60	\$ 90.00
102-99	Variable message sign (temporary)	E.A./day	0	\$ 22.00	\$ -
660-2-101	Loop Assembly	ASSY.	0	\$ 606.0	\$ -
706-1-12	Reflective Pavement Markers (class B, mono or bi-directional, all colors)	E.A.	0	\$ 5.00	\$ -
711-11-121	Thermoplastic (White) (Solid) (6")	L.F.	0	\$ 0.90	\$ -
711-11-123	Thermoplastic (White) (Solid) (12")	L.F.	24	\$ 1.50	\$ 36.00
711-11-141	Thermoplastic (White) (Skip) (6")	L.F.	100	\$ 1.00	\$ 100.00
711-11-170	Thermoplastic (White) (Arrow)	E.A.	0	\$ 59.80	\$ -
711-11-221	Thermoplastic (Yellow) (Solid) (6")	L.F.	200	\$ 0.80	\$ 160.00
711-11-241	Thermoplastic (Yellow) (Skip) (6")	L.F.	0	\$ 0.70	\$ -
711-17	Removal of existing thermoplastic pavement markings	S.F.	0	\$ 2.13	\$ -
<b>GENERAL CONSTRUCTION OPERATIONS</b>					
104-10-3	Sediment barrier	L.F.	330	\$ 2.00	\$ 660.00
104-11A	Floating turbidity barrier	L.F.	0	\$ 10.00	\$ -
104-18	Inlet Protection System	E.A.	35	\$ 40.00	\$ 1,400.00
120-8A	Re-grade Existing Swale	S.Y.	0	\$ 4.40	\$ -
120-4	Subsoil Excavation	C.Y.	0	\$ 6.30	\$ -
120-10-2	Embankment (Borrow material from the contractor's own source, includes grading).	C.Y.	30	\$ 20.00	\$ 600.00
125-8	Backfill existing trench with select fill	C.Y.	0	\$ 6.00	\$ -
<b>ASPHALTIC CONCRETE</b>					
300-1-999	Bituminous Adjustment	L.S.	0	\$ 962.50	\$ -
327-7-01	Milling Existing Asphalt Pavement (up to 5,000 square yards) (1" average depth)	S.Y.	2275	\$ 2.50	\$ 5,687.50
327-70-02	Milling Existing Asphalt Pavement (up to 5,000 square yards) (2" average depth)	S.Y.	0	\$ 3.00	\$ -
327-70-03	Milling Existing Asphalt Pavement (5,000 to 15,000 square yards) (1" average depth)	S.Y.	0	\$ 1.90	\$ -
327-70-04	Milling Existing Asphalt Pavement (5,000 to 15,000 square yards) (2" average depth)	S.Y.	0	\$ 2.40	\$ -
334-2-13-1	Hot Mix Asphalt, Traffic C, SP-9.5	Ton	204	\$ 130.00	\$ 26,520.00
334-2-13-1A	Driveway Pavement - Asphalt	S.Y.	633	\$ 20.00	\$ 12,660.00
331-72-10A-HMA	Roadway Pavement Restoration (Replace and match existing base thickness and asphalt course with 8" minimum, primed Limerock Base and 1" thick of HMA, Asphalt Work Category 3)	S.Y.	1120	\$ 24.00	\$ 26,880.00
331-72-10B-HMA	Inlet pavement (includes 6" lime rock base and 1" thick Type S-1 Asphaltic Concrete)	S.Y.	220	\$ 23.00	\$ 5,060.00



CONTRACT No.		CONTRACT AMOUNT: \$ 410,531.72			
Item No.	Description	Unit	Total Quantity	Unit Price	Total Price
STRUCTURES					
425-1-1	Swale Inlet Type D-3 (36" Dia.) (< 10' Deep)	E.A.	6	\$ 1,600.00	\$ 9,600.00
425-1-2A	Swale Inlet Type D-3 (36" X 36") (<10' Deep)	E.A.	8	\$ 1,700.00	\$ 13,600.00
425-1-2B	Swale Inlet Type D-1 (17" X 27") (< 10' Deep)	E.A.	1	\$ 1,400.00	\$ 1,400.00
425-1-35	Curb Inlet Type P-5 (Any dimension) (Max. 15' Deep)	E.A.	0	\$ 1,574.00	\$ -
425-1-36	Curb Inlet Type P-6 (Any dimension) (Max. 15' Deep)	E.A.	0	\$ 2,418.40	\$ -
425-1-610B	Swale Inlet Type P-10 (Any dimension) (Max. 15' Deep)	E.A.	0	\$ 2,000.00	\$ -
425-1-902	Swale Inlet Type P-10M (Any dimension) (Max. 15' Deep)	E.A.	19	\$ 1,800.00	\$ 34,200.00
425-1-904	Swale Inlet Type J-10 (Any dimension) (Max. 15' Deep)	E.A.	0	\$ 2,804.00	\$ -
425-1-905	Swale Inlet Type J-10M (Any dimension) (Max. 15' Deep)	E.A.	0	\$ 2,209.50	\$ -
425-1-907A	Pollution Retardant Baffle/Weir (Any type) (Any Dimension)	E.A.	20	\$ 250.00	\$ 5,000.00
425-2-41	Manhole Type P-7T (Any dimension) (Max. 15' Deep)	E.A.	10	\$ 1,800.00	\$ 18,000.00
425-2-72	Manhole Type J-7T (Any dimension) (Max. 15' Deep)	E.A.	0	\$ 1,455.90	\$ -
425-2-11	Manhole Type USP 3-27.1 (36" Dia.) (Max. 15' Deep)	E.A.	0	\$ 1,259.00	\$ -
526-70-2C	Swale Blocks ( Include excavation, saw cut edge of pavement, curb border, base & subbase preparation, and aggregates.)	S.Y.	0	\$ 76.00	\$ -
425-31	Pollution Control Structure (Two Chambers with Weir or Baffle ) (Any Dimension) (Max. 15' Deep)	E.A.	0	\$ 8,000.00	\$ -
425-31B	Pollution Control Structure (Downstream Defender or approved equal)	E.A.	0	\$ 20,000.00	\$ -
425-79	Core and Tie	E.A.	1	\$ 500.00	\$ 500.00
425-82	Modify Structure-Cut to enlarge opening as needed in order to accommodate pipe due to utility conflict(s).	E.A.	4	\$ 320.00	\$ 1,280.00
425-110-2	Convert P-5 or P-6 Inlet to USP 5115 (or similar) Curb Inlet.	E.A.	0	\$ 650.00	\$ -
430-171-123	15" diameter	L.F.	523	\$ 38.00	\$ 19,874.00
430-171-125	18" diameter	L.F.	28	\$ 42.00	\$ 1,176.00
430-171-129	24" diameter	L.F.	0	\$ 47.30	\$ -
430-36	36" diameter	L.F.	0	\$ 58.00	\$ -
430-42	42" diameter	L.F.	0	\$ 66.00	\$ -
430-48	48" diameter reinforced concrete pipe (Class II)	L.F.	0	\$ 67.30	\$ -
430-880-1830	Flap Gates (Pipe Diameters 18" to 30" or Equivalent)	E.A.	0	\$ 1,670.20	\$ -
430-880-3648	Flap Gates (Pipe Diameters 36" to 48" or Equivalent)	E.A.	0	\$ 2,667.00	\$ -
460-5-1830	Manatee Gate (Pipe Diameters 18" to 30" or Equivalent)	E.A.	0	\$ 1,700.00	\$ -
460-5-3648	Manatee Gate (Pipe Diameters 36" to 48" or Equivalent)	E.A.	0	\$ 3,750.00	\$ -
460-5-5484	Manatee Gate (Pipe Diameters 54" to 84" or Equivalent)	E.A.	0	\$ 3,762.50	\$ -
443-70-18-2	Exfiltration drain ( 18"diameter perforated pipe -Tr. Bot. El.(-)2)	L.F.	0	\$ 47.50	\$ -
443-70-3-2	French Drain (18" diameter pipe, trench depth 10 ft bls)	L.F.	1085	\$ 68.00	\$ 73,780.00
443-70-3-3	French Drain (18" diameter pipe, trench depth 15 ft bls)	L.F.	745	\$ 80.00	\$ 59,600.00
443-70-4-2	French Drain (24" diameter pipe, trench depth 10 ft bls)	L.F.	0	\$ 76.00	\$ -
443-70-4-3	French Drain (24" diameter pipe, trench depth 15 ft bls)	L.F.	0	\$ 82.00	\$ -
443-70-6-2	French Drain (36" diameter pipe, trench depth 10 ft bls)	L.F.	0	\$ 66.00	\$ -
443-70-6-3	French Drain (36" diameter pipe, trench depth 15 ft bls)	L.F.	0	\$ 88.00	\$ -

CONTRACT No.		CONTRACT AMOUNT: \$ 410,531.72			
Item No.	Description	Unit	Total Quantity	Unit Price	Total Price
MISCELLANEOUS CONSTRUCTION					
119-01	Driveway Restoration (specialty pavers, tile, etc)	S.Y.	0	\$ 72.50	\$ -
121-70-2	Flowable Fill	C.Y.	60	\$ 125.00	\$ 7,500.00
350-1-1A	Driveway Pavement - Concrete	S.Y.	117	\$ 40.00	\$ 4,680.00
400-1-1830	Straight Concrete Headwall (Pipe Diameters 18" to 36" or Equivalent)	E.A.	0	\$ 1,348.00	\$ -
400-1-3648	Straight Concrete Headwall (Pipe Diameters 36" to 48" or Equivalent)	E.A.	0	\$ 2,167.00	\$ -
400-1-5484	Straight Concrete Headwall (Pipe Diameters 54" to 84" or Equivalent)	E.A.	0	\$ 2,833.00	\$ -
400-1-15	Class I Concrete (miscellaneous, pipe, collars, plugs, etc.)	C.Y.	22	\$ 131.00	\$ 2,882.00
520-1-10	Concrete Curb and Gutter Type F, 6" Curb, 18" Gutter)	L.F.	100	\$ 17.00	\$ 1,700.00
520-1-15A	Concrete Valley Gutter (Variable width) (Including base preparation)	L.F.	20	\$ 15.00	\$ 300.00
520-3	Concrete Gutter	L.F.	0	\$ 15.40	\$ -
522-1(1)	Concrete Sidewalk (4" thick)(Class I concrete, 3000 P.S.I.)(Including pedestrian ramps and sidewalk curbs)	S.Y.	28	\$ 38.00	\$ 1,064.00
527-2	Detectable Warning on Walking Surface	S.F.	0	\$ 31.30	\$ -
530-1	Riprap (Sand-Cement)	C.Y.	0	\$ 100.00	\$ -
530-1-1830	Straight Riprap Headwall (Sand-Cement) (Pipe Diameters 18" to 36" or Equivalent)	E.A.	0	\$ 1,933.00	\$ -
530-1-3648	Straight Riprap Headwall (Sand-Cement) (Pipe Diameters 36" to 48" or Equivalent)	E.A.	0	\$ 3,500.00	\$ -
530-1-5484	Straight Riprap Headwall (Sand-Cement) (Pipe Diameters 54" to 84" or Equivalent)	E.A.	0	\$ 3,737.00	\$ -
538-1	Guardrail (includes removal and restoration matching the existing)	L.F.	0	\$ 38.30	\$ -
575-2A	Sodding (match existing)	S.Y.	1742	\$ 4.00	\$ 6,968.00
580-332-1	Tree removal and replacement (including watering - less than 6" diameter)	E.A.	2	\$ 217.00	\$ 434.00
580-332-2	Tree removal and replacement (including watering - 6" - 12" diameter)	E.A.	0	\$ 297.40	\$ -
580-332-3	Tree removal and replacement (including watering - 12"-36" diameter)	E.A.	0	\$ 568.00	\$ -
				SUBTOTAL	\$ 357,171.18
CONTINGENCY and ALLOWANCES					
999	Contingency Allowances	L.S.	1	\$ 35,717.12	\$ 35,717.12
101-2	Mobilization	L.S.	1	\$ 2,000.00	\$ 2,000.00
102-1M	Maintenance of traffic	L.S.	1	\$ 7,143.42	\$ 7,143.42
102-10A	Off-duty Law Enforcement Officer	L.S.	1	\$ 8,000.00	\$ 8,000.00
990	Public Works Permits	L.S.	1	\$ 500.00	\$ 500.00
TOTAL					\$ 410,531.72

<b>Multiple Sites (4)</b>				
<b>Sub-Trade</b>	<b>Est. Cost</b>	<b>% of Item to Base Bid</b>	<b>% of Total</b>	<b>Subs Available</b>
Clearing Construction Sites	\$ 5,384	1	-	
Maintenance of Traffic Devices	\$ 8,782	2	-	
General Construction Operations	\$ 2,660	1	-	
Asphalt Work	\$ 76,808	19	19	
Drainage Structures & Pipes	\$ 238,010	58	58	
Miscellaneous Construction	\$ 25,528	6	6	
Contingency & Allowances	\$ 53,361	13	-	
<b>Total</b>	<b>\$ 410,532</b>	<b>100</b>	<b>83</b>	

COST ESTIMATE	AVERAGE UNIT PRICES
Multiple sites (4)	

Item No.	Description	Unit	Unit Price	Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price	Total
102-74-1	Barricades (Temporary - Types I, II, VP and Drive)	E.A./DAY	\$ 0.60	300	\$ 180.00	\$ 600.00	\$ 2,160.00	1290	\$ 200.00	6400	\$ 3,840.00	\$ 3,840.00
102-76A	Advance Warning Arrow Panel	E.A./DAY	\$ 13.40	60	\$ 804.00	\$ 1,340.00	120	\$ 1,608.00	60	\$ 804.00	\$ 3,496.00	
102-76B-1	Preventive Incident Response (Solid) (Any width Yellow or White) (Paint)	L.F.	\$ 0.60	150	\$ 90.00	\$ 200.00	0	\$ -	0	\$ -	\$ 290.00	
104-10-3	Sprinkler Barrier	L.F.	\$ 2.00	30	\$ 60.00	\$ 300.00	100	\$ 2,000.00	100	\$ 2,000.00	\$ 2,300.00	
104-10-3	Sprinkler Barrier	L.F.	\$ 40.00	1	\$ 40.00	\$ 40.00	17	\$ 680.00	17	\$ 680.00	\$ 720.00	
104-10-3	Sprinkler Barrier	L.F.	\$ -	1	\$ 800.00	\$ 800.00	1	\$ 1,200.00	1	\$ 1,200.00	\$ 2,000.00	
110-1-1B	Clearing & Grubbing (pile or mat) include removal and disposal of trees and deleterious materials	E.A.	\$ 103.00	0	\$ -	\$ -	0	\$ -	0	\$ -	\$ 103.00	
110-2-2	Embankment (Borrow material from the contractor's own source, include grading)	C.Y.	\$ 20.00	0	\$ -	\$ 600.00	0	\$ -	0	\$ -	\$ 600.00	
121-70-2	Flashing Bit	E.Y.	\$ 125.00	0	\$ -	\$ 6,250.00	10	\$ 1,250.00	0	\$ -	\$ 1,250.00	
327-7-01	Portable Erection (1" Depth) (Up to 5,000 S.Y.)	S.Y.	\$ 2.50	75	\$ 187.50	\$ 5,000.00	200	\$ 500.00	0	\$ -	\$ 2,275.00	
331-72-10A-HMA	Runway Pavement Restoration (Repatch and patch coloring base thickness and repair courses with 8" minimum, primed Limerock Base, and 1" thick of FMA, Asphalt Work Category 2)	S.Y.	\$ 24.00	0	\$ -	\$ 18,720.00	360	\$ 2,600.00	40	\$ 560.00	\$ 26,880.00	
331-72-10B-HMA	Inter Pavement, (includes 6" Limerock base and 1" thick of FMA, Asphalt Work Category 2)	S.Y.	\$ 23.00	0	\$ -	\$ 1,840.00	120	\$ 2,760.00	20	\$ 460.00	\$ 3,060.00	
334-2-13-1	Hot Mix Asphalt, Traffic C, 8" & 5"	Ton	\$ 130.00	6	\$ 780.00	\$ 17,964.00	60	\$ 7,800.00	0	\$ -	\$ 28,500.00	
334-2-13-1A	Driveway Pavement - Asphalt	S.Y.	\$ 20.00	0	\$ -	\$ 8,000.00	100	\$ 2,000.00	133	\$ 2,660.00	\$ 12,660.00	
339-1-1A	Driveway Pavement - Concrete	S.Y.	\$ 40.00	0	\$ -	\$ -	50	\$ 2,000.00	67	\$ 2,680.00	\$ 4,680.00	
400-1-15	Class 1 Concrete (Miscellaneous) (French built-up, culvert, pipe plugs, structure plugs etc.) (This item is contingent upon field conditions and may, increased, decreased or eliminated by the Engineer)	C.Y.	\$ 131.00	\$	\$ 655.00	\$ 1,310.00	\$	\$ -	2	\$ 262.00	\$ 2,352.00	
425-1-1	Swale (Side Type D-5 (36" Dia), (Less than 10 feet deep)	E.A.	\$ 1,600.00	1	\$ 1,600.00	\$ -	\$ -	3	\$ 3,200.00	6	\$ 9,600.00	\$ 9,600.00
425-1-2A	Swale (Side Type D-3 (36" X 36") (Less than 10 feet deep)	E.A.	\$ 1,700.00	0	\$ -	\$ -	0	\$ -	2	\$ 3,400.00	\$ 3,400.00	
425-1-2B	Swale (Side Type D-1 (17" X 27") (Less than 10 feet deep)	E.A.	\$ 1,400.00	0	\$ -	\$ -	0	\$ -	1	\$ 1,400.00	\$ 1,400.00	
425-1-2C	Swale (Side Type P-104) (Any dimension, maximum 15' deep)	E.A.	\$ 1,800.00	0	\$ -	\$ 30,000.00	0	\$ -	0	\$ -	\$ 30,000.00	
425-1-2C2A	Pollution Barrier Buffer (Any Type) (Any Dimension)	E.A.	\$ 230.00	0	\$ -	\$ -	20	\$ 5,000.00	0	\$ -	\$ 5,000.00	
425-1-2C2B	Manhole (Type P-77, Any dimension, maximum 15' deep)	E.A.	\$ 1,800.00	0	\$ -	\$ 16,200.00	0	\$ -	1	\$ 1,800.00	\$ 18,000.00	
425-1-2C2C	Cone and Tie to exist, drainage structures (Any pipe size hole opening) (including mortar seal) (This item is contingent upon field conditions and may, increased, decreased or eliminated by the Engineer)	E.A.	\$ 500.00	0	\$ -	\$ -	0	\$ -	1	\$ 500.00	\$ 500.00	
425-1-2C2D	Modify Structure Cut to enlarge opening as needed in order to accommodate pipe due to utility	E.A.	\$ 320.00	0	\$ -	\$ 1,280.00	0	\$ -	0	\$ -	\$ 1,280.00	
430-121-123	Pipe Culvert - 18" Diameter	L.F.	\$ 38.00	0	\$ -	\$ 11,210.00	168	\$ 6,344.00	69	\$ 2,643.00	\$ 19,847.00	
430-171-125	French Drain (18" diameter, trench depth 10 ft b/s)	L.F.	\$ 42.00	0	\$ -	\$ -	28	\$ 1,176.00	0	\$ -	\$ 1,176.00	
440-70-3-2	French Drain (18" diameter pipe, trench depth 15 ft b/s)	L.F.	\$ 58.00	43	\$ 2,494.00	\$ 70,720.00	0	\$ -	0	\$ -	\$ 72,914.00	
440-70-3-3	French Drain (18" diameter pipe, trench depth 15 ft b/s)	L.F.	\$ 80.00	0	\$ -	\$ -	610	\$ 48,800.00	135	\$ 10,800.00	\$ 59,600.00	
520-1-10	Concrete Curb and Gutter (Type D) (6" Curb, 18" Gutter) (includes cost of limerock base and basegrade)	L.F.	\$ 17.00	100	\$ 1,700.00	\$ -	\$ -	0	\$ -	100	\$ 1,700.00	
520-1-15A	Concrete Valley Curb (Variable width) (including base preparation)	L.F.	\$ 15.00	20	\$ 300.00	\$ -	\$ -	0	\$ -	20	\$ 300.00	
522-1-10	Concrete sidewalk (or thick restoration and saw, Class 1 concrete, 1000 P.S.I. (including pedestals ramps and sidewalk curb)	S.Y.	\$ 38.00	0	\$ -	\$ -	0	\$ -	28	\$ 1,064.00	\$ 1,064.00	
572-2A	Sodding - S. Augustine, or similar existing, include watering and maintenance. (Contract item based on field conditions, may be increased, or decreased by the engineer)	S.Y.	\$ 4.00	200	\$ 800.00	\$ 400.00	1250	\$ 5,000.00	192	\$ 768.00	\$ 6,968.00	
580-332-1	This relocation or replacement (less than 6" diameter, include watering and maintenance)	E.A.	\$ 217.00	0	\$ -	\$ -	0	\$ -	2	\$ 434.00	\$ 434.00	
711-1-1-123	Thermoplastic (White) (Solid) (2")	L.F.	\$ 1.50	0	\$ -	\$ -	24	\$ 36.00	0	\$ -	\$ 36.00	
711-1-1-141	Thermoplastic (White) (Solid) (6")	L.F.	\$ 1.00	100	\$ 100.00	\$ 0.00	0	\$ -	0	\$ -	\$ 100.00	
711-1-1-221	Thermoplastic (Yellow) (Solid) (6")	L.F.	\$ 0.50	0	\$ -	\$ -	200	\$ 100.00	0	\$ -	\$ 100.00	
					\$	200,190.00						\$
					\$	11,156.50						\$
					\$	113,169.00						\$
SUBTOTAL												\$ 357,171.18
CONTINGENCY FUND (10% of subtotal amount)												\$ 35,717.12
MAINTENANCE OF TRAFFIC (including traffic cones, temporary flag, the less, not exceed 2% of Contract Subtotal Amount) (L.S.)												\$ 7,143.42
OFF-DUTY LAW ENFORCEMENT (including L.S.)												\$ 8,000.00
PUBLIC WORK PERMIT												\$ 500.00
TOTAL CONSTRUCTION												\$ 410,531.72

02/25/13