

**Date:** November 7, 2014

**To:** Gary Hartfield, Division Director  
Small Business Development Division  
Internal Service Department

**From:** Alejandro Martinez-Esteve, RA, LEED AP  
Manager, Capital Improvements Section  
Public Works & Waste Management  
Department

**Subject:** Notice of Construction Project:  
Miscellaneous Construction Contracts: MCC  
7360 Plan - CICC 7360-0/08 - Request for  
Price Quotation (RPQ) No. 20140206  
Push Button Contract for Intersection  
Improvements



**RECOMMENDATION**

The Department's Capital Improvements staff completed the review of the subject RPQ in accordance with the applicable provisions of Implementing Order 3-22 and recommends a Community Small Business Enterprise (CSBE) measure. A Community Workforce Program (CWP) has been recommended since project sites have not been identified.

Scope of Work:	Single Trade
Engineer Project Base Cost Estimate:	\$657,820
Measure/Set Aside:	Pavement Markings and Concrete
CWP:	10% County-wide

**BACKGROUND**

Work at the targeted locations include rehabilitating existing road surfaces and upgrading or installing new traffic devices as applicable to improve vehicular and pedestrian traffic flow and safety. It is a multistep process that typically involves several work crews accompanied by proper construction signs and work-zone traffic control measures to maintain public safety.

If any additional information is needed, please call me at (305) 375-2093, or Alicia Arce at (305) 375-1363.

Attachments (2)  
AM/am

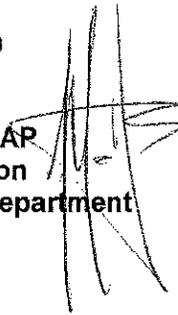
cc:	Laurie Johnson, ISD	Bassam Moubayed, PWWM	Project File
	Coralee Taylor, ISD	Joaquin Rabassa, P.E., PWWM	
	Vivian Forhat-Diaz, ISD	Alicia Arce, PWWM	

MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT  
CONTRACT / PROJECT MEASURE ANALYSIS AND RECOMMENDATION

To: Gary Hartfield, Division Director  
Small Business Development Division  
Internal Service Department

From: Alejandro Martinez-Esteve, RA, LEED AP  
Manager, Capital Improvements Section  
Public Works & Waste Management Department

Date: Friday, November 7, 2014



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**CONTRACT INFORMATION**

**Contract Type:** MCC 7360: Single Trade with Ancillary work

**RPQ Title:** Push Button Contract for Intersection Improvements

**Request for Price Quotation (RPQ) No:** 20140206

**Re-submittal:** No

**Standard Industrial Code (SIC) / North American Industry Classification Code (NAICS):** 1610 / 237310 - Construction – Heavy, Street & Bridge Construction

**Estimated Base Project Cost:** \$657,820

**Funding Source:** Road Impact Fees

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

**Method of Award:** Line Item

**PROJECT INFORMATION**

**Scope of Work**

Work under this Contract includes furnishing of all supervision, labor, materials, tools, equipment and performing all operations necessary for Intersection Improvements. Work includes construction of asphaltic concrete road base and surface; pavement removal; pavement milling; pavement markings; signage; drainage; sidewalks; concrete curb and gutter; and traffic calming devices. Incidental items required for areas such as street light and traffic signal installation may be added to this Contract.

**RPQ No.:** 20140206  
**RPQ Title:** Push Button Contract for Intersection Improvement

**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 as a General Engineering Contractor or as a Specialty Engineering Contractor, commensurate to the requirements of the Project's Scope of Work, in one or more engineering crafts to include Paving Engineering. 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.

Pursuant to Section 255.20, Florida Statutes (F.S.) and in lieu of the above, the County may consider a bid from a Bidder that is a duly licensed Contractor in good standing that has been pre-qualified and considered eligible by the Florida Department of Transportation (FDOT) under Section 337.14, F.S. and Chapter 14-2, Florida Administrative Code, to perform the work described in the Contract Documents. Contractors seeking consideration under this paragraph shall submit along with the Bid Documents for review and consideration, current copy (ies) of their FDOT Certificate(s) of Qualification, Certification of Work Underway, and Status of Contract(s) On Hand. Acceptable FDOT prequalification(s) necessary to perform the work specified in the Project's Scope of Work shall include the Flexible Paving Work Class.

**RECOMMENDATION**

**Areas for possible measures:** Pavement Traffic Stripes and Markings; Concrete

**Areas recommended for CSBE Subcontractor Goal:** Pavement Traffic Stripes and Markings; Concrete

**Contract Measure Recommendation:**

- No Measure
- Set-Aside:
  - Level I
  - Level II
  - Level III
- Trade Set-Aside(s): Pavement Traffic Stripes and Markings; Concrete
- Aggregate Set-Aside
- CSBE Subcontractor Goal
- Community Workforce Program (CWP): This contract is work order driven
- DBE Subcontractor Goal

**Reason for Recommendation:**

Recommendations are based on the attached project cost estimate which is provided in accordance with the Miami-Dade County Code. There are no specific sites identified for this project. However, work orders for this project will be located inside the boundary area of the south portion of Miami Dade County

up to south of SW 8 Street. Work orders will identify the location, description, and amount of work to be accomplished and work orders will be issued subsequent to the Award of the Contract. All work orders will be subject to the requirements of the CWP.

**CSBE Prime History of similar Contracts/Projects for previous three years:** 20120013-R

**Scope of Work History Summary – Subcontracting Opportunities:** 20120013-R

**Similar Projects previously submitted for RC Action:** 20120013-R

**CSBE Trade Aside Goal / Project No. / Amount achieved:** As determined by SBD

**DEPARTMENT INPUT**  
**CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

Check applicable Ordinance(s):  90-143 Responsible Wage and Benefits  03-237 (formerly 03-1) Community Workforce Program

**PROJECT INFORMATION** See attachment

Contract/Project/\*Work Order No.: **20140206**  
 \*Reference corresponding project number when submitting a work order

Contract/Project Title: **Push Button Contract for Intersection Improvements**

Description/Scope of Work: **See Attached**

Estimated Cost: **657820** Funding Source: **Road Impact Fees**

Location of Project (street address or beginning and ending points) i.e. 12345 NE 23<sup>rd</sup> Ct or Starts at 135 St. ends at 145 St.  
**Various Locations.**

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP)** See attachment

Engineer/Department or Agency's estimated required workforce for Project  Work Order :

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job
Supervisor	2	540
Foremen	2	540
Operator	1	540

Comments: Please note the estimated number of days to complete the job may not be equal to actual amount of days indicated above. In addition, respective employees utilized for various scopes of work throughout the duration of the contract.

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE)** See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
<b>Paving Markings</b>			
<b>Concrete</b>			

**RECOMMENDATION**

Set-Aside: Level 1  Level 2  Level 3  Trade Set-Aside  Sub-Contractor Goal  Workforce Goal  No Measure

**Basis for Recommendation: Measure recommendation: TRADE Set-Aside: Pavement Traffic Stripes and Markings: Painted and/or Thermoplastic and Concrete.**

Date submitted to DBD: **11-6-2014**  
 Contact Person: **Alicia Arce**  
 Telephone No.: **305-375-1363**

**ENGINEERING COST ESTIMATE  
INTERSECTION IMPROVEMENT CONTRACT**

ITEM #	Description	Unit	Quantity	Unit Price	Amount
102-71-11A	Temporary Barrier Wall ( Concrete ) ( Furnish & Install)	LF	150	\$ 20.00	\$ 3,000.00
102-74-2	Barricades ( Temporary, Type III, 6')	EA/Day	100	\$ 0.75	\$ 75.00
102-74-1A	Barricades ( Temporary) ( Types I, II & VP)	EA/Day	20000	\$ 0.60	\$ 12,000.00
102-76	Flashing Arrow Board ( Temporary) ( Multimode)	EA/Day	50	\$ 20.00	\$ 1,000.00
102-77	High Intensity Lights ( Temporary) (Type "B")	EA/Day	50	\$ 1.00	\$ 50.00
102-60A	Work Zone Signs	EA/Day	2000	\$ 1.00	\$ 2,000.00
104-10-3	Sediment Barrier	LF	200	\$ 2.00	\$ 400.00
104-11A	Floating Turbidity Barrier	LF	25	\$ 8.00	\$ 200.00
104-18	Inlet Protection System	EA	30	\$ 50.00	\$ 1,500.00
110-4-1-1	Removal and Disposal of existing Curb and Gutter.	LF	2500	\$ 5.00	\$ 12,500.00
110-4-10B	Removal and Disposal of existing Sidewalk.	SY	500	\$ 10.00	\$ 5,000.00
120-1	Regular Excavation	CY	1700	\$ 6.00	\$ 10,200.00
120-4	Subsoil Excavation ( This Item is contingent upon the actual field conditions and may be increased, decreased or eliminated by the Engineer)	CY	50	\$ 10.00	\$ 500.00
120-6-1	Embankment ( This Item is contingent upon the actual field conditions and may be increased, decreased or eliminated by the Engineer)	CY	50	\$ 12.00	\$ 600.00
120-8	Re-Grade Existing Swale ( Where shown specifically on plans, or as directed by Engineer, contingent item may be increased or decreased by Engineer)	SY	500	\$ 2.50	\$ 1,250.00
121-70-2	Flowable Fill	CY	40	\$ 90.00	\$ 3,600.00
160-4	Type "B" Stabilization (12" Thick) ( Min CBR 30)	SY	2500	\$ 5.00	\$ 12,500.00
162-5	Finish Soil Layer ( Landscaping)	CY	160	\$ 15.00	\$ 2,400.00
200-1-10	Lime Rock Base ( 8" Thick, Primed)	SY	2000	\$ 9.00	\$ 18,000.00
285-7	Optional Base	SY	150	\$ 12.00	\$ 1,800.00
327-70	Milling Existing Pavement (1" ( Payment for greater cuts will be paid proportionally))	SY	17000	\$ 3.50	\$ 59,500.00
334-2-13-1	Hot Mix Asphalt, Traffic C, SP-9.5	TON	406	\$ 105.00	\$ 42,630.00
337-6-42	Hot Mix Asphalt Friction Course, Traffic C, FC 9.5, PG 76-22	TON	1200	\$ 120.00	\$ 144,000.00
339-1	Miscellaneous Asphalt Pavement	TON	20	\$ 150.00	\$ 3,000.00
351-1A	Color Concrete Curb & Gutter ( Type F)	LF	30	\$ 30.00	\$ 900.00
351-1B	Colored Concrete Sidewalk (4" Thick)	SY	15	\$ 45.00	\$ 675.00
351-1C	Colored Concrete Sidewalk(6" Thick)	SY	8	\$ 80.00	\$ 640.00
425-1	Inlet [(Swale) (3 foot inside dimension, circular or square)]	EA	6	\$ 2,000.00	\$ 12,000.00
425-1-35	Curb Inlet Type P-5 ( Any Dimension) ( Max 15' Deep)	EA	1	\$ 2,500.00	\$ 2,500.00
425-1-36	Curb Inlet Type P-6 ( Any Dimension) ( Max 15' Deep)	EA	1	\$ 3,200.00	\$ 3,200.00
425-1-400	Inlet Type "J"	EA	8	\$ 3,200.00	\$ 25,600.00
425-1-541	Inlet Type "D"	EA	8	\$ 2,000.00	\$ 16,000.00
425-1-610	Inlet Swale[( Type P-10) ( 42" Inside dimension, circular or square)]	EA	2	\$ 3,000.00	\$ 6,000.00
425-1-907	Pollution Retardant Baffle (with neoprene gasket at all contact edges)	EA	6	\$ 180.00	\$ 1,080.00
425-2-11	Manhole Type USP 3-27.1( 36" Diameter) ( Maximum 15' Deep)	EA	2	\$ 2,000.00	\$ 4,000.00
425-2-72	Manhole Type J-7T( Any Dimension)( Maximum 15' Deep)	EA	2	\$ 3,000.00	\$ 6,000.00
425-6	Adjust Existing Valves Boxes ( MDC Only) ( This item is contingent upon field conditions and may increased, decreased or eliminated by the Engineer)	EA	10	\$ 200.00	\$ 2,000.00
425-5	ADJUST MANHOLE ( This item is contingent upon field conditions and may be increased, decreased or eliminated by the Engineer)	EA	10	\$ 350.00	\$ 3,500.00
425-82	MODIFY STRUCTURE- Cut to enlarge opening as needed in order to accommodate pipe due to utility conflict(s), brick and mortar as needed.	EA	6	\$ 1,000.00	\$ 6,000.00
425-11B	Catch Basin Drain Field and Stub Pipes [( Incl plastic filter fabric) and 50' of 18" perforated pipe, pipe length and direction pipe, to be determined on the field by the Engineer]	EA	2	\$ 7,500.00	\$ 15,000.00
430-171-121	PIPE CULVERT - 12" Diameter	LF	15	\$ 50.00	\$ 750.00
430-171-123	Pipe Culvert 15" Diameter	LF	50	\$ 65.00	\$ 3,250.00
430-171-126	Pipe Culvert 18" Diameter	LF	10	\$ 75.00	\$ 750.00
430-171-129	Pipe Culvert 24" Diameter	LF	10	\$ 85.00	\$ 850.00
443-70-3-3	French Drain (18" diameter pipe, trench depth 15 ft bis)	LF	30	\$ 87.00	\$ 2,610.00
443-70-4-3	French Drain (24" diameter pipe, trench depth 15 ft bis)	LF	50	\$ 110.00	\$ 5,500.00

**ENGINEERING COST ESTIMATE  
INTERSECTION IMPROVEMENT CONTRACT**

ITEM #	Description	Unit	Quantity	Unit Price	Amount
520-1-15	Concrete Valley Gutter (3' Wide)	LF	20	\$ 15.00	\$ 300.00
520-2	Concrete Curb & Gutter (Any Type, including base preparation)	LF	6000	\$ 15.00	\$ 90,000.00
200-2-1	Base Preparation For New Sidewalk Construction	SY	100	\$ 6.00	\$ 600.00
522-1(1)	Concrete Sidewalk [4" Thick, 3000 PSI concrete at 28 Days (Includes the cost of pedestrian ramps and sidewalks curbs)]	SY	450	\$ 28.00	\$ 12,600.00
522-2	Concrete Sidewalk [6" Thick, 3000 PSI concrete at 28 Days (Includes the cost of pedestrian ramps and sidewalks curbs)]	SY	120	\$ 32.00	\$ 3,840.00
522-8	Concrete Crosswalk [10" Thick, 3000 PSI concrete at 28 Days (Includes base preparation and Reinforcement)]	SY	30	\$ 40.00	\$ 1,200.00
526-70-2B	Installation of Bricks Pavers (Any Type, Including Base Preparation)	SY	120	\$ 40.00	\$ 4,800.00
527-2	Detectable Warning on Walking Surface	SF	200	\$ 30.00	\$ 6,000.00
536-73B	GUARDRAIL REMOVAL	LF	50	\$ 4.00	\$ 200.00
538-1A	GUARDRAIL, RESET	LF	30	\$ 20.00	\$ 600.00
575-1-1	Sodding (Pensacola Bahia or match existing) (including watering)	SY	2600	\$ 3.00	\$ 7,800.00
700-40-01	Roadside Signs (Single post, and panels up to 12 sf)	AS	110	\$ 200.00	\$ 22,000.00
700-46-22	Reset Existing Signs and Posts	AS	10	\$ 80.00	\$ 800.00
700-48-18	Sign Panel (less than 15 sf)	EA	80	\$ 90.00	\$ 7,200.00
700-48-60A	Remove Existing Signs and Posts	AS	6	\$ 50.00	\$ 300.00
705-11-1	Delineator (Flexible Tubular)	EA	0	\$ 60.00	\$ -
706-1-12	Reflective Pavement Markers (Class B, mono or bi-directional, all colors)	EA	1500	\$ 4.00	\$ 6,000.00
706-2	Removal of Existing Pavement Markers	EA	50	\$ 0.25	\$ 12.50
710-3	Pavement Messages, Paint	EA	10	\$ 40.00	\$ 400.00
710-4	Directional Arrows, Paint	EA	40	\$ 40.00	\$ 1,600.00
710-11-290	Painted Pavement Markings (Standard) (Yellow) (Island Nose)	SF	500	\$ 3.00	\$ 1,500.00
102-91-1A	Pavement Marking Temporary (Solid) (Any Width) (Yellow or White)	LF	15000	\$ 0.30	\$ 4,500.00
711-2	Skip Traffic Stripe(6" Stripe, 10' Space) (White Thermoplastic 6" Wide)	LF	600	\$ 0.50	\$ 300.00
711-3A(3)	Pavement Messages, Thermoplastic	EA	10	\$ 100.00	\$ 1,000.00
711-4	Directional Arrows (Thermoplastic)	EA	40	\$ 50.00	\$ 2,000.00
711-11-151	Thermoplastic (White)(Dotted/Guideline)(6")	LF	100	\$ 0.70	\$ 70.00
711-11-251	Thermoplastic (Yellow)(Dotted/Guideline)(6")	LF	60	\$ 0.70	\$ 42.00
711-7	Remove Existing Pavement Markings	SF	220	\$ 3.00	\$ 660.00
711-11-121	Thermoplastic (White) (Solid) (6")	LF	11000	\$ 0.60	\$ 6,600.00
711-11-122	Thermoplastic (White) (Solid) (8")	LF	400	\$ 1.00	\$ 400.00
711-11-123	Thermoplastic (White) (Solid) (12")	LF	1000	\$ 1.20	\$ 1,200.00
711-11-124	Thermoplastic (White) (Solid) (18")	LF	600	\$ 1.80	\$ 1,080.00
711-11-125	Thermoplastic (White) (Solid) (24")	LF	2000	\$ 2.40	\$ 4,800.00
711-11-221	Thermoplastic (Yellow) (Solid) (6")	LF	300	\$ 0.60	\$ 180.00
711-11-224	Thermoplastic (Yellow) (Solid) (18")	LF	820	\$ 1.80	\$ 1,476.00
711-11-241	Thermoplastic (Yellow) (Skip) (6")	LF	400	\$ 0.50	\$ 200.00
711-9	Edging	LF	100	\$ 0.50	\$ 50.00
110-4-8	Removal and Disposal of existing Asphalt (without base preparation)	SY	900	\$ 10.00	\$ 9,000.00
<b>Contract Base Amount</b>					<b>\$ 657,820.50</b>
999	CONTINGENCY FUND (10% OF SUBTOTAL AMOUNT)	LS	1.00	\$ 65,782.05	\$ 65,782.05
102-10A	Off Duty Law	LS	1.00	\$ 2,500.00	\$ 2,500.00
102-1M	MAINTENANCE OF TRAFFIC (Including traffic cones, temporary signs, flag men, etc.) (Shall not exceed 2% of Contract Sub-total Amount)	LS	1.00	\$ 13,156.41	\$ 13,156.41
110-1-1	Clearing and Grubbing	LS	1.00	\$ 6,578.21	\$ 6,578.21
300-1-999	Bituminous Material Adjustment	LS	1.00	\$ 5,000.00	\$ 5,000.00
990	Allowance Permits	LS	1.00	\$ 2,000.00	\$ 2,000.00
					\$ 95,016.67
<b>Total Contract Amount</b>					<b>\$ 752,837.17</b>