

# SBD CM REVIEW FORM

**To:** Project Review and Analysis Division - Construction  
**From:** SBD CM - Ileana Quintana  
**Department:** Public Works Department **Contact:** Rodney McMillan  
**Date:** 03 / 19 / 2012

**PROJECT NUMBER:** 20120028  
**PROJECT TITLE:** Traffic Signal Intersection Contract  
**PROJECT LOCATION:** Various Locations - Countywide

**SCOPE OF WORK/DESCRIPTION:** Furnishing all supervision, labor, materials, equipment, tools and to perform traffic signal installation including any ancillary work as indicated in the work order. Traffic Signalization upgrades includes the installation of Mast Arms, Traffic Controller Assemblies, milling and resurfacing; Miami Dade County furnishes Mast Arms, anchor bolts and Traffic Controller Assembly. The Contractor shall furnish and install grounding electrodes, conduits, pull boxes, foundations, pedestrian signals heads with push buttons and signs, overhead signs, internally illuminated street name signs, mounting hardware, loop assemblies, signal cable; additional work also includes installation of pedestrian ramps, ground mounted signs, pavement markings, construction of sidewalk, curb & gutter, installation of truncated dome and removing existing signs and traffic signalization devices in conflict with the proposed scope of work

**SPECIAL REQUIREMENTS:**

TRADES / SUBTRADES	UNIT PRICE	COMMENTS
<b>MOT</b>		
Barricades temporary type III	\$41.25	Prime
Barricades temporary type I, II VP	\$1,320.00	
Flashing arrow board temporary	\$2,376.00	
Construction sign	\$406.80	
High intensity flashing lights	\$363.00	
<b>CONCRETE</b>		
Curb ramp detectable warning surface	\$7,840.00	Possible subcontracting opportunity
Concrete curb & gutter	\$18,240.00	
Concrete sidewalk 4"	\$2,975.00	
Concrete sidewalk 6"	\$1,600.00	
<b>PAVEMENT</b>		
Milling existing pavement 1" thick	\$16,560.00	All line items noted are part of the primary scope of work. Licenses: General Engineering Contractor/Specialty Engineering Contractor: Paving Engineering Contractor
Hot mix asphalt traffic C	\$27,360.00	
<b>ELECTRICAL</b>		
Grounding electrode	\$9,000.00	Miami Dade County Electrical Contractor License/State of Florida Electrical Contractor License. For signalization must be certified by IMSA
Conduit 2" PVC underground	\$11,440.00	
Conduit 2" PVC under pavement	\$44,200.00	
Conduit 2" PVC additional conduit	\$9,000.00	
Traffic control cable 11-21 conductor	\$8,250.00	
Traffic control cable 4-7 conductor	\$7,720.00	
Pull box meter type	\$40,870.00	
Rain-tight enclosure disconnect switch pole	\$6,300.00	
Service wire	\$6,808.00	
Prestressed concrete poles	\$3,875.00	
	<b>\$226,545.05</b>	

Small Business Development Signature: Date: 03 / 20 / 2012

\* Trades/Subtrades identified for Small Business participation by SBD CM

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TRADES / SUBTRADES	AMOUNT	COMMENTS	
	\$226,545.05		
Mast arm combination standard	\$20,000.00		
Mast arm combination standard DS-12	\$7,700.00		
Mast arm combination standard DS-13	\$17,000.00		
Mast arm combination standard DS-14	\$19,200.00		
Mast arm combination standard DS-15	\$10,000.00		
Mast arm combination standard DS-16	\$10,400.00		
Mast arm combination standard DS-17	\$11,000.00		
Mast arm combination standard DS-18	\$12,000.00		
Mast arm combination standard DS-25	\$13,000.00		
Mast arm combination standard DS-25	\$14,000.00		
Mast arm combination standard DS-28	\$15,000.00		
Mast arm combination standard DS-28	\$16,000.00		
Traffic signal 1 way 4 section	\$6,300.00		
Traffic signal 1 way 5 section	\$9,200.00		
Traffic signal 1 way 3 section	\$22,800.00		
Pedestrian signal 1 way	\$13,600.00	Miami Dade County Electrical Contractor License/State of Florida Electrical Contractor License. For signalization must be certified by IMSA	
Aluminum pedestal 4"	\$6,650.00		
Signal head auxiliaries	\$400.00		
Loop vehicle detector amplifier	\$4,370.00		
Loop assembly	\$13,950.00		
Loop head in cable	\$4,983.00		
Pedestrian detector with post	\$2,800.00		
Install traffic controller assembly	\$8,500.00		
Controller cabinet - pole mounted	\$3,200.00		
Solar pager programmable time switch	\$6,400.00		
Solar engine	\$22,000.00		
Remove sign and post	\$120.00		
Internally illuminated street name sign	\$31,500.00		
Single post sign	\$1,890.00		
Sign panel	\$2,400.00		
remove Sign panel	\$70.00		
<b>MARKING &amp; SIGNAGE</b>			
Pavement marking temporary (solid/any	\$832.00		Possible subcontracting opportunity
Pavement marking temporary (skip/any	\$560.00		
Reflective pavement markers	\$352.00		
Thermoplastic (white arrows)	\$1,120.08		
Thermoplastic (white solid 6")	\$1,695.06		
Thermoplastic (white solid 12")	\$1,695.00		
Thermoplastic (white solid 18")	\$115.80		
Thermoplastic (white solid 24")	\$3,003.75		
Thermoplastic (yellow solid 6")	\$990.00		
Resetting existing fence	\$150.00		
	\$563,491.74		
Contingency	\$56,349.17		
Maintenance of traffic	\$11,269.83		
Off duty law enforcement	\$42,000.00		
FPL connection	\$740.00		
Allowance permits	\$6,000.00		
<b>Total Construction Cost Estimate</b>	<b>\$679,850.74</b>		

- PWD is recommending a 1.67% CSBE Goal