


**Date:** October 2, 2012

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

**From:**   
Rodney McMillian  
Special Project Administrator  
Public Works and Waste Management Department

**Subject:** Notice of Construction Project:  
Miscellaneous Construction Contracts (MCC)  
Program: MCC 7360 Plan - CICC 7360-0/08  
Request for Price Quotation (RPQ) No. 20120032  
People's Transportation Plan (PTP)  
Roadway Improvements to SW 27th Avenue from  
Tigertail Avenue to SW 28th Terrace

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**RECOMMENDATION**

Departmental Contract Measure Recommendation:

Community Small Business Enterprise (CSBE) Subcontractor Goal: 25%

Engineer's Opinion of Probable Costs:

\$4,047,720.00

Community Workforce Program (CWP):

Not Applicable

Reviewed by Small Business Development's (SBD) Construction Manager:

Yes

**BACKGROUND**

On November 5, 2002, the citizens of Miami-Dade County approved a ½ cent Charter County Sales Surtax which included implementation of the People's Transportation Plan (PTP); this corridor is included under the PTP. Upon identifying and securing consultant services for this project the County is ready to proceed with the procurement of construction services. The completion of this project will provide the necessary operational improvements for both motorists and pedestrians. It will also enhance the aesthetics of this roadway segment.

Page 2  
Project No.  
20120032  
Project Review/  
Analysis Process

If any additional information is needed, please call me at (305) 375-5320, or Frank Aira at (305) 375-2930.

RM/rm

Attachments (2)

C: Kelly Duncombe, RER/SBD  
Ileana Quintana, RER/SBD  
Bassam Moubayed, PWWM  
Frank Aira, P.E., CFM, PWWM  
Alfredo Munoz, PWWM  
Dianah Coakley, PWWM  
Brenda Corteguera, PWWM  
Lisset Cabrera, PWWM  
Patricia Carbonell, PWWM  
File

**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.:** 20120032

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** Roadway Improvements to SW 27th Avenue from Tigertail Avenue to SW 28th Terrace

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

**Estimated Cost:** 4047720 **Funding Source:** Other (specify)

**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.  
**Please see attached**

**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
Clearing and Grubbing	7	560
Earthwork (Laborers)	7	560
Concrete Pavement	5	560

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, estimated number of workers for each trade are utilized throughout the duration of the contract.

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

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
	\$	%	
	\$	%	
	\$	%	

**RECOMMENDATION**

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

**Basis for Recommendation: Identifiable areas for subcontracting; types of opportunities provided are appropriate for applying a subcontractor goal and effective competition appears to exist for setting a CSBE Subcontractor Goal within SIC 17. In addition, it appears the work location is not in a Designated Target Area (DTA). Therefore, the Community Workforce Program (CWP) is not applicable.**

**Date submitted to DBD:** 10-02-2012

**Contact Person:** Rodney McMillian or Frank Aira

**Telephone No.:** 305-375-5320

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

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**Please see attached**

**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
Drainage Structures and Pipes	7	560
Signalization	7	560
Pavement Marking & Signage	5	560

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, estimated number of workers for each trade are utilized throughout the duration of the contract..

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

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
	\$	%	
	\$	%	
	\$	%	

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**PROJECT INFORMATION**    See attachment

**Contract/Project/\*Work Order No.:** 20120029

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** Roadway Improvements to SW 27th Avenue from Tigertail Avenue to SW 28th Terrace

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

**Estimated Cost:** 4047720 **Funding Source:** Other (specify)

**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.  
**Please see attached**

**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
Lighting	7	560

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, estimated number of workers for each trade are utilized throughout the duration of the contract..

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

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
	\$	%	
	\$	%	
	\$	%	

**RECOMMENDATION**

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**Date submitted to DBD:** 10-02-2012

**Contact Person:** Rodney McMillian or Frank Aira

**Telephone No.:** 305-375-5320

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: Rodney McMillian  
Special Project Administrator  
Public Works and Waste Management Department

Date: Tuesday, October 02, 2012

Department: Public Works and Waste Management

Contract Type:

RPQ: 7360 - Single Trade

Project No.:

20120032

Re-submittal:

No

Contract/Project Title:

Roadway Improvements to SW 27th Avenue from Tigertail Avenue to SW 28th Terrace

Standard Industrial Code (SIC):

16-Highway and Street Construction

Estimated Project Cost:

\$4,047,720.00

Funding Source:

People's Transportation Plan (PTP)

Bonding Requirements: Bid Bond– 10% of Base Bid Amount

Performance Bond– 100% of Contract Award Amount

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

Project No.: 20120032

Project Title: Roadway Improvements to SW 27th Avenue from Tigertail Avenue to SW 28th Terrace

1.01 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 reconstructing the existing 2 lanes road with raised landscape medians, on-street parking, bike lanes, sidewalks, curb and gutter, storm drainage system, signalization, traffic calming circle, pavement markings and signing, decorative lighting and demolition of an encroaching building into the right of way.
- C. Additive Bid #1
  - 1. The work of this project also includes, but is not limited to furnishing and installing approximately 2,915 linear feet of 12-inch, 42 linear feet of 10-inch, 371 linear feet of 8-inch, 339 linear feet of 6-inch and 153 linear feet of 4-inch ductile iron water mains along S.W. 27th Avenue between Tiger Tail Avenue and Coconut Avenue, City of Miami, Florida.
  - 2. The work of this project also includes, but is not limited to, furnishing and installing all ductile iron pipe and fittings; furnish and installing gate valves complete with riser pipe and valve box; furnishing and installing nine (9) fire hydrant assemblies; 1-inch single short and long service connections; making connections to existing water mains; furnishing and installing air release valves and flushing water valves; cleaning, testing and disinfecting the mains, and all other appurtenant and miscellaneous items and work for a complete and fully functional installation.
    - a. In the event the lowest bidder's cost for the utility installation portion of the project is substantially higher than the budgeted utility cost, and WASD decides not to proceed with the utility installation, the PWWM roadway project shall continue independently and without interruption.
    - b. In the event the lowest bidder's cost for the roadway construction portion of the project is substantially higher than the budgeted roadway cost, and PWWM decides not to proceed with the roadway project, WASD may issue a separate "Request for Bids" and proceed with the utility installation.
- D. If any changes are required due to conflict of design and or field conditions, the Engineer will make the final determination.
- E. The Contractor and all subcontractors, under this Contract, are prohibited from performing any work, other than specified in the Contract and/or directed by the Engineer, within the limits of the project site, without prior written notification to the Engineer. This includes any work for private or commercial entities.

Project No.: 20120032

Project Title: Roadway Improvements to SW 27th Avenue from Tigertail Avenue to SW 28th Terrace

#### CONTRACTOR QUALIFICATION REQUIREMENTS

A. Certificate of Competency Requirement:

1. Include with the bid submittal package, copies of certifications and documentation that demonstrate that 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 Documents, the Bidder holds a valid, current, and active:
  - a. 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

- B. Pursuant to Section 255.20, F.S. and in lieu of the above, the County may consider a bid from a Bidder that is a Contractor in good standing that has been prequalified and considered eligible by the Florida Department of Transportation (FDOT) under Section 337.14, F.S. and Chapter 14-22, Florida Administrative Code, to perform the work described in the Contract Documents. Contractors seeking consideration under this Paragraph shall submit along with the bid submittal package 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 Contract Documents include the Flexible Paving and Drainage Work Classes.

#### ADDITIONAL CONTRACTOR REQUIREMENTS FOR STREET LIGHTING

- A. In addition to the above license(s), any contractor engaged in installing modifying, repairing, or maintaining roadway street lighting systems in Miami-Dade County shall:
  1. Perform work under the direction of a Master Electrician that is either at the job site(s) or able to respond within 4 hours of notification; and
  2. Perform all work under the direct supervision of a Journeyman electrician present at the job site(s).
- B. The Contractor shall submit a signed affidavit to the PWSW affirming that the Contractor and their employees have the proper and valid licenses and certification (County, State, Private or other Government Agency) prior to start of the Work. As need occurs, due to license(s) and certification(s) expiration and/or changes in personnel, the Contractor is required to submit the new documents to the PWSW immediately.



Project No.: 20120032

Project Title: Roadway Improvements to SW 27th Avenue from Tigertail Avenue to SW 28th Terrace

C. Experience Requirement:

1. The Bidder, through full time personnel employed by the Bidder, must demonstrate its experience as the prime contractor in at least three completed projects with scopes comparable to the Project's Scope of Work. Demonstrate the experience requirement by including along with the bid submittal package, a detailed Statement of Experience that identifies each project and includes the following information:
  - a. Name of the Client/Owner,
  - b. Client/Owner contact person and phone number for reference,
  - c. Detailed description of work,
  - d. Total dollar value of the contract,
  - e. Contract duration,
  - f. Statement or notation of whether Bidder is/was the prime contractor, and
  - g. Results and status of the project.

Areas for possible measures:

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

Areas recommended for CSBE Subcontractor Goal:

Concrete; Signalization; Traffic Stripes and Markings: Painted and/or Thermoplastic; and Roadway Lighting

Contract Measure Recommendation:

- No Measure
- Set-Aside:

Level I	Level II	Level III
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- Trade Set-Aside(s):
- Aggregate Set-Aside
- CSBE Subcontractor Goal: 25%
  - 11% Concrete
  - 1% Signalization
  - 2% Traffic Stripes and Markings: Painted and/or Thermoplastic
  - 11% Roadway Lighting
- CWP: Not Applicable; Work location does not appear to be in a Designated Target Area (DTA).
- DBE Subcontractor Goal

Project No.: 20120032

Project Title: Roadway Improvements to SW 27th Avenue from Tigertail Avenue to SW 28th Terrace

Reason for Recommendation:

This is a single trade project; none of the primary trade related work 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. Ancillary work to be performed under this project includes all construction trade categories listed under "Area for Possible Measures." This type of specialized work is not usually associated with small business enterprise firms that are prime contractors. Also, this type of work is highly specialized and requires special equipment that is 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 not applicable to this project. PWWM received a response from the Geocode System which determined that the work location is not in a Designated Target Area (DTA).

Contracts and Specifications staff completed its review of the scope of work for the subject RPQ. Based on the analysis of factors contained in Section VI C of Implementing Order 3-22, Public Works and Waste Management (PWWM) suggests the following contract measure recommendation: CSBE Subcontractor Goal.

This project has identifiable opportunities, which according to normal industry practice are appropriate for subcontracting in a specialty trade areas within SIC 17; quality, quantity and types of opportunities provided are appropriate for applying a subcontractor goal; and Effective competition exists in that three or more CSBEs appear to be available to perform in the recommended specialty trade area within SIC 17. The awarded Contractor and SBD shall verify with the user department the scope of work, dollar value and percentage of work achieved for CSBE participation upon expiration of the Contract.

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

None

Similar Projects previously submitted for RC Action:

20090229

20090238

Scope of Work History Summary – Subcontracting Opportunities:

Areas recommended for CSBE Goal (PWD/SBD):

Concrete; Pavement Marking

Areas used to meet subcontractor goal (Awarded Contractor):

Based on compliance monitoring requirements, PWD will have to confirm with SBD for the above with exception to 20120029.

MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY DIVISION

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS

Project Description: SW 27 Ave.; PHASE II  
PWD PROJECT No. 20040337

10/01/2012 w/ OCT. 2011 UNIT PRICES

ITEM	COST	TOTAL
	ESTIMATE	JOB (%)
GENERAL CONSTRUCTION OPERATIONS	184,058	4.5%
CONTROL OF EROSION & WATER POLLUTION	23,177	0.6%
CLEARING & GRUBBING	600,018	14.8%
EARTHWORK	388,222	9.6%
REMOVAL OF SOLID WASTE MATERIAL	0	0.0%
BITUMINOUS SURFACE COURSES AND CONCRETE PAVEMENT	559,896	13.8%
DRAINAGE STRUCTURES & PIPES	662,228	16.4%
CONCRETE	434,004	10.7%
GUARDRAIL & FENCE	-	0.0%
SODDING & TREE RELOCATION	145,848	3.6%
IRRIGATION	-	0.0%
SIGNALIZATION	43,090	1.1%
PAVEMENT MARKING & SIGNAGE	72,480	1.8%
LIGHTING	445,678	11.0%
BRIDGE	-	0.0%
<b>BASE ESTIMATED COST</b>	<b>3,558,700</b>	
CONTINGENCY FUND (10%)	355,870	8.8%
<b>SUBTOTAL</b>	<b>3,914,570</b>	
MAINTENANCE OF TRAFFIC (MOT)(2%)	-	0.0%
OFF DUTY LAW ENFORCEMENT OFFICER	108,000	2.7%
BITUMINOUS MATERIAL ADJUSTMENT	15,000	0.4%
PWD PERMIT ALLOWANCES	10,000	0.2%
FPL CONNECTION ALLOWANCE	150	0.0%
<b>GRAND TOTAL</b>	<b>\$ 4,047,720</b>	<b>100.0%</b>

**PRELIMINARY ESTIMATE / OPINION OF PROJECT COST**

W016391 - PCTS 10858 - 12-IN W IN SW 27 AVE FROM TIGERTAIL TO COCONUT (6-6-12).xls

**FURNISH AND INSTALL 12-INCH D.I. WATER MAIN  
IN S.W. 27 AVE. FROM TIGERTAIL AVE. TO COCONUT AVE.****PCTS No. 10858 CONTRACT No.: W-923 / PROJECT No. W016391 (REV. 6/6/2012)**

MUNICIPALITY: CITY OF MIAMI

Item	Description	Qty	Units	\$/Units	Total
1.	For selling and delivering to the Department 4-inch ductile iron pipe and fittings for water main.	153	Lin. Ft.	\$14.00	\$2,142.00
2.	For installing 4-inch ductile iron pipe and fittings for water main.	153	Lin. Ft.	\$35.00	\$5,355.00
3.	For selling and delivering to the Department 6-inch ductile iron pipe and fittings for water main.	339	Lin. Ft.	\$15.00	\$5,085.00
4.	For installing 6-inch ductile iron pipe and fittings for water main.	339	Lin. Ft.	\$50.00	\$16,950.00
5.	For selling and delivering to the Department 4-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	4	Each	\$320.00	\$1,280.00
6.	For installing 4-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	4	Each	\$220.00	\$880.00
7.	For selling and delivering to the Department 6-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	15	Each	\$560.00	\$8,400.00
8.	For installing 6-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	15	Each	\$280.00	\$4,200.00
9.	For selling and delivering to the Department 8-inch ductile iron pipe and fittings for water main.	371	Lin. Ft.	\$26.00	\$9,646.00
10.	For installing 8-inch ductile iron pipe and fittings for water main.	371	Lin. Ft.	\$30.00	\$11,130.00
11.	For selling and delivering to the Department 8-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	6	Each	\$720.00	\$4,320.00
12.	For installing 8-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	6	Each	\$300.00	\$1,800.00
13.	For selling and delivering to the Department 10-inch ductile iron pipe and fittings for water main.	42	Lin. Ft.	\$30.00	\$1,260.00
14.	For installing 10-inch ductile iron pipe and fittings for water main.	42	Lin. Ft.	\$35.00	\$1,470.00
15.	For selling and delivering to the Department 10-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	2	Each	\$990.00	\$1,980.00

W016391 - PCTS 10858 - 12-IN W IN SW 27 AVE FROM TIGERTAIL TO COCONUT (6-8-12).xls

**FURNISH AND INSTALL 12-INCH D.I. WATER MAIN  
IN S.W. 27 AVE. FROM TIGERTAIL AVE. TO COCONUT AVE.**

**PCTS No. 10858 CONTRACT No.: W-923 / PROJECT No. W016391 (REV. 6/6/2012)**

MUNICIPALITY: CITY OF MIAMI

Item	Description	Qty	Units	\$/Units	Total
16.	For installing 10-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	2	Each	\$350.00	\$700.00
17.	For selling and delivering to the Department 12-inch ductile iron pipe and fittings for water main.	2,915	Lin. Ft.	\$30.00	\$87,450.00
18.	For installing 12-inch ductile iron pipe and fittings for water main.	2,915	Lin. Ft.	\$35.00	\$102,025.00
19.	For selling and delivering to the Department 12-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	11	Each	\$1,252.00	\$13,772.00
20.	For installing 12-inch M.J. resilient seat gate valve complete with valve box, lid and riser pipe.	11	Each	\$380.00	\$4,180.00
21.	For making a <u>connection</u> to the recently installed 12" Water Main in S.W. 27 Ave., at Sta. 18+88, as shown on plans, complete. (Sheet P-4).	1	Each	\$1,100.00	\$1,100.00
22.	For making a <u>cut-in connection</u> to the existing 8-inch water main in S.W. 27 Ave., at Station 31+15, including capping the existing 8-inch water main, as shown on plans, complete. (Sheet P-6).	1	Each	\$1,000.00	\$1,000.00
23.	For making a <u>cut-in connection</u> to the existing 6-inch water main in S.W. 27 Ave. & Aviation / Abaco Ave., at Station 39+58.5, including capping the existing 6-inch water main, as shown on plans, complete. (Sheet P-7).	1	Each	\$800.00	\$800.00
24.	For making <u>cut-in connections</u> to the existing 10-inch water main in Tigertail Ave., at Station 48+76 and Station 51+63, including capping the existing 10-inch water main, as shown on plans, complete. (Sheet P-9).	2	Each	\$1,300.00	\$2,600.00
25.	For making a <u>cut-in connection</u> to the existing 6-inch water main in Shipping Ave., at Station 49+18, including capping the existing 6-inch water main, as shown on plans, complete. (Sheet P-10).	1	Each	\$800.00	\$800.00
26.	For making a <u>cut-in connection</u> to the existing 4-inch water main in Trapp Avenue, at Station 50+73, including capping the existing 4-inch water main, as shown on plans, complete. (Sheet P-10).	1	Each	\$550.00	\$550.00

W016391 - PCTS 10858 - 12-IN W IN SW 27 AVE FROM TIGERTAIL TO COCONUT (6-6-12).xls

**FURNISH AND INSTALL 12-INCH D.I. WATER MAIN  
IN S.W. 27 AVE. FROM TIGERTAIL AVE. TO COCONUT AVE.  
PCTS No. 10858 CONTRACT No.: W-923 / PROJECT No. W016391 (REV. 6/6/2012)**

MUNICIPALITY: CITY OF MIAMI

Item	Description	Qty	Units	\$/Units	Total
27.	For making a <b>cut-in connection</b> to the existing 6-inch water main in <b>Bird Ave.</b> , at Station 50+82.5, including capping the existing 6-inch water main, as shown on plans, complete. (Sheet P-11).	1	Each	\$800.00	\$800.00
28.	For making a <b>connection</b> to the existing 16-inch water main in <b>S.W. 27 Ave. &amp; Bird Ave.</b> , at Sta. 49+95, including furnishing and installing a 16-inch x 12-inch M.J. Tapping Sleeve, and a 12" M.J. Tapping Valve, as shown on plans, complete. (Sheet P-11).	1	Each	\$6,672.00	\$6,672.00
29.	For making a <b>cut-in connection</b> to the existing 6-inch water main in <b>S.W. 27 Ave. and Abaco Ave.</b> , at Station 50+40, including capping the existing 6-inch water main, as shown on plans, complete. (Sheet P-11).	1	Each	\$800.00	\$800.00
30.	For making a <b>cut-in connection</b> to the existing 6-inch water main in S.W. 27 Ave. & <b>Coconut Ave.</b> , at Station 49+08, including capping the existing 6-inch water main, as shown on plans, complete. (Sheet P-12).	1	Each	\$800.00	\$800.00
31.	For making a <b>cut-in connection</b> to the existing 1.5-inch water main in S.W. 27 Ave. and <b>Coconut Ave./ Andros Ave.</b> , at Station 50+51, including capping the existing 1.5-inch water main, as shown on plans, complete. (Sheet P-12).	1	Each	\$460.00	\$460.00
32.	For making a <b>cut-in connection</b> to the existing 12-inch water main in S.W. 27 Ave., and <b>Day Ave.</b> , at Station 49+20, including capping the existing 12-inch water main, as shown on plans, complete. (Sheet P-12).	1	Each	\$1,350.00	\$1,350.00
33.	For making a <b>connection</b> to the existing 16-inch water main on S.W. 27 Ave, at Station 43+75.5, including furnishing and installing a 16-inch x 12-inch M.J. tapping Sleeve and 12-inch M.J. Tapping Valve, as shown on the plans, complete. (Sheet P-8).	1	Each	\$7,000.00	\$7,000.00
34.	For making a <b>cut-in connection</b> to the existing 4-inch water main in S.W. 27 Ave., at Stations 31+60 & 31+72, including capping the existing 4-inch water mains, complete. (Sheet P-6).	2	Each	\$550.00	\$1,100.00

## PRELIMINARY ESTIMATE / OPINION OF PROJECT COST

W016391 - PCTS 10858 - 12-IN W IN SW 27 AVE FROM TIGERTAIL TO COCONUT (6-8-12).xls

**FURNISH AND INSTALL 12-INCH D.I. WATER MAIN  
IN S.W. 27 AVE. FROM TIGERTAIL AVE. TO COCONUT AVE.**

**PCTS No. 10858 CONTRACT No.: W-923 / PROJECT No. W016391 (REV. 6/6/2012)**

MUNICIPALITY: CITY OF MIAMI

Item	Description	Qty	Units	\$/Units	Total
35.	For making a <u>cut-in connection</u> to the existing 6-inch water main in S.W. 27 Ave., at Station 33+31, including capping the existing 6-inch water main, complete. (Sheet P-6).	1	Each	\$800.00	\$800.00
36.	For making a <u>cut-in connection</u> to the existing 6-inch water main in S.W. 27 Ave., at Station 35+37, including capping the existing 6-inch water main, complete. (Sheet P-6).	1	Each	\$800.00	\$800.00
37.	For making a <u>cut-in connection</u> to the existing 4-inch water main in <b>Tigertail Ave.</b> at Station 50+86, including capping the existing 4-inch water main, complete. (Sheet P-9).	1	Each	\$550.00	\$550.00
38.	Furnishing and installing 1-inch single service short, complete.	19	Each	\$600.00	\$11,400.00
39.	Furnishing and installing 1-inch single service long, complete.	23	Each	\$650.00	\$14,950.00
40.	Selling and delivering to the Department Fire Hydrant assemblies, complete.	9	Each	\$950.00	\$8,550.00
41.	Installing Fire Hydrant assemblies with guard posts, complete.	9	Each	\$1,100.00	\$9,900.00
42.	For constructing Air Release Valve Assemblies (ARV's) at the locations shown on the plans.	2	Each	\$1,200.00	\$2,400.00
43.	For constructing Flushing Valve Outlet Assemblies.	9	Each	\$1,500.00	\$13,500.00
44.	Polyethylene Wrap for D.I.P. as ordered by the Engineer.	3820	Lin. Ft.	\$2.00	\$7,640.00
45.	For trench overcut for any size pipe in 1-foot increments.	500	Lin. Ft. (Contingent Item)	\$5.00	\$2,500.00
46.	For sheeting and shoring ordered left in place by the Engineer.	800	Square Feet (Contingent Item)	\$20.00	\$16,000.00
47.	Furnish and Install Traffic Control, for the project, complete. (6% of items 1 thru 46).		Aggregate Sum		\$23,930.82
48.	The total of items 1 thru 47		<b>SUBTOTAL 1 =</b>		<b>\$422,777.82</b>

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**PCTS No. 10858 CONTRACT No.: W-923 / PROJECT No. W016391 (REV. 6/6/2012)**

MUNICIPALITY: CITY OF MIAMI

Item	Description	Qty	Units	\$/Units	Total
49.	For the cost of providing 2 off-duty police officers as required (2 x \$42.00/hr x 8 hrs. x 60 days).		Aggregate Sum (Contingent Item)		\$40,320.00
50.	For cost of required permits, fees, inspections, impact fees, if authorized by the Engineer, the sum of 3% of SUBTOTAL 1 shown above (0.03 x Subtotal 1, item 48)				\$12,683.33
51.	For unforeseen conditions, for minor construction changes, and for quantity adjustments, if ordered by the Engineer, the sum of 10% of SUBTOTAL 1 shown above (0.10 x Subtotal 1, item 48).		Dedicated Allowance Account		\$42,277.78
				<b>CONSTRUCTION GRAND TOTAL =</b>	<b>\$518,058.94</b>

**Notes:**

- 1) Cost for replacement of traffic loop detector assemblies, and for restoration of sodded areas, are included in pipe installation & connection costs.
- 2) Items for selling and delivering of pipe and fittings include restraint in fittings and appurtenances, as required by the project's design.
- 3) Items for installing pipe and fittings include restraint in fittings and appurtenances, as required by the project's design.



Community Workforce Program

 **GEOCODE ADDRESSES**

**GIS INFORMATION**

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<b>Address 1</b>	SW 27 AVE and Tigert
Output addr	SW 27TH AVE and TIG
XCoord	907179.5625
YCoord	508880.40625

<b>Address 2</b>	SW 27 AVE and SW 28
Output addr	SW 27TH AVE and SW
XCoord	907071.1875
YCoord	511469.09375

<b>Address 3</b>	
Output addr	
XCoord	
YCoord	

<b>Address 4</b>	
Output addr	
XCoord	
YCoord	

Target Urban Area	
Flag	0
Name	

Focus Area	
Flag	0
Name	

Empowerment Zone	
Flag	0
Name	

Enterprise Zone	
Flag	0
Name	

CDBG	
Flag	0
Name	
CDBG Num	

Census Information	
Flag	1
Tract	007100,007100,006800
BlockGroup	2,1,4,
Population (BlockGroup)	1280,1597,1220,
Unemployment (BlockGroup)	n/a,n/a,n/a,
PercentLow (BlockGroup)	n/a,n/a,n/a,

Commission District Information	
Flag	1
Commissioner	Xavier L. Suarez,
Commission	7,