

# Memorandum



**Date:** December 6, 2011

**To:** Honorable Chairman Joe A. Martinez  
and Members, Board of County Commissioners

Agenda Item No. 8(F)(2)

**From:** Carlos A. Gimenez  
Mayor

Resolution R-1043-11

**Subject:** Resolution Authorizing Emergency Purchases for the Water and Sewer Department

## Recommendation

It is recommended that the Board of County Commissioners (Board) waive competitive bidding procedures for the attached contracts to purchase goods and services pursuant to Section 2-8.1 of the County Code and Section 5.03(D) of the Home Rule Charter, in the best interest of Miami-Dade County. More specifically, this item will ratify the emergency purchase of services required to address unanticipated water and sewer infrastructure needs.

## Scope

The location of these projects is listed in the Background Section of this memorandum.

## Fiscal Impact/Funding Source

Proprietary revenues generated by the Water and Sewer Department (WASD) covered these unanticipated costs.

## Track Record/Monitor

There are no known performance issues with the vendors recommended for award in the accompany Bid Waiver Package. WASD's contract manager is reflected in the accompanying package.

## Delegated Authority

This item approves the action of the County Mayor or County Mayor's designee to exercise emergency purchase of services required to address unanticipated water and sewer infrastructure needs.

## Background

The County awarded two emergency contracts to address the unforeseen, urgent and immediate need to rehabilitate sewer lines and prevent wastewater spills pursuant to Administrative Order 3-38.

The first emergency contract was to repair the 72-inch pipe at NW 156<sup>th</sup> Street and NW 17<sup>th</sup> Avenue and Biscayne Canal. This repair was necessitated by a report that revealed imminent failure of a wastewater force main. As a result, the WASD Director certified an emergency purchase on April 19, 2011 to rehabilitate 8,045 linear feet of a 72-inch sewer force main to prevent a wastewater spill. The emergency contract award was in the amount of **\$4,616,050** and this project is located in Commission District 1.

The second emergency contract was for the rehabilitation of a 60-inch water main pipe at SW 72<sup>nd</sup> Street and SW 97<sup>th</sup> Avenue. This repair was necessitated because two segments of the raw water main pipe were identified as a priority to prevent a catastrophic failure of the water distribution system.

Honorable Chairman Joe A. Martinez  
and Members, Board of County Commissioners  
Page 2

WASD approved the immediate rehabilitation of these two segments at this location on September 6, 2011. The emergency contract award was in the amount of **\$132,000** and this project is located in Commission District 7.

Pursuant to Administrative Order 3-38, these emergency contracts are now before the Board for ratification.



---

Deputy Mayor



# MEMORANDUM

(Revised)

**TO:** Honorable Chairman Joe A. Martinez  
and Members, Board of County Commissioners

**DATE:** December 6, 2011

**FROM:** R. A. Cuevas, Jr.  
County Attorney

**SUBJECT:** Agenda Item No. 8(F)(2)

Please note any items checked.

- "3-Day Rule" for committees applicable if raised
- 6 weeks required between first reading and public hearing
- 4 weeks notification to municipal officials required prior to public hearing
- Decreases revenues or increases expenditures without balancing budget
- Budget required
- Statement of fiscal impact required
- Ordinance creating a new board requires detailed County Manager's report for public hearing
- No committee review
- Applicable legislation requires more than a majority vote (i.e., 2/3's , 3/5's , unanimous ) to approve
- Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved \_\_\_\_\_ Mayor  
Veto \_\_\_\_\_  
Override \_\_\_\_\_

Agenda Item No. 8(F)(2)  
12-6-11

RESOLUTION NO. R-1043-11

RESOLUTION RATIFYING EMERGENCY PURCHASES IN THE AMOUNT OF \$4,748,050 AND AUTHORIZING WAIVER OF FORMAL BID PROCEDURES FOR THE PURCHASE OF GOODS AND SERVICES TO ADDRESS UNANTICIPATED WATER AND SEWER NEEDS, WAIVING THE REQUIREMENTS OF SECTION 2-8.1 OF THE COUNTY CODE, AND SECTION 5.03(D) OF THE HOME RULE CHARTER, BY A TWO-THIRD VOTE OF THE BOARD MEMBERS PRESENT, AND AUTHORIZING THE COUNTY MAYOR OR THE COUNTY MAYOR'S DESIGNEE TO AWARD SAME, WITH AUTHORITY TO EXERCISE OPTIONS-TO-RENEW ESTABLISHED THEREUNDER

**WHEREAS**, the County Mayor recommends to this Board to ratify emergency purchases and waive formal bid procedures for the purchase of goods and services which cannot be purchased under normal bid procedures,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA**, that this Board ratifies emergency purchases in the amount of \$4,758,050 and waives formal bid procedures for the purchase of goods and services to address unanticipated water and sewer needs, and authorizes the County Mayor or County Mayor's designee to award such contracts, with authority to exercise options-to-renew established thereunder, pursuant to Section 5.03(D) of the Home Rule Charter and Section 2-8.1 of the County Code by a two-thirds (2/3s) vote of the Board members present.

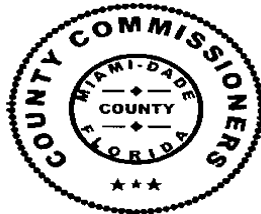
The foregoing resolution was offered by Commissioner **José "Pepe" Diaz**, who moved its adoption. The motion was seconded by Commissioner **Rebeca Sosa** and upon being put to a vote, the vote was as follows:

Joe A. Martinez, Chairman	<b>aye</b>		
Audrey M. Edmonson, Vice Chairwoman	<b>aye</b>		
Bruno A. Barreiro	<b>aye</b>	Lynda Bell	<b>aye</b>
Esteban Bovo, Jr.	<b>aye</b>	Jose "Pepe" Diaz	<b>aye</b>
Sally A. Heyman	<b>aye</b>	Barbara J. Jordan	<b>aye</b>
Jean Monestime	<b>aye</b>	Dennis C. Moss	<b>aye</b>
Rebeca Sosa	<b>aye</b>	Sen. Javier D. Souto	<b>aye</b>
Xavier L. Suarez	<b>absent</b>		

The Chairperson thereupon declared the resolution duly passed and adopted this 6<sup>th</sup> day of December, 2011. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA  
BY ITS BOARD OF COUNTY  
COMMISSIONERS

HARVEY RUVIN, CLERK



**Christopher Agrippa**  
By: \_\_\_\_\_  
Deputy Clerk

Approved by County Attorney as  
to form and legal sufficiency.

Oren Rosenthal

**Item 1**

**Contract No.:** E9500-WS

**Contract Title:** Rehabilitation of 72" pipe at NW 156 St. to NW 17 Av. and Biscayne Canal

**Description:** To waive formal bid procedures and ratify an emergency contract award for the immediate purchase of urgent rehabilitation services for a wastewater force main.

**Contract Term:** Upon completion

**Contract Value:** \$4,616,050

**JUSTIFICATION**

The Water and Sewer Department (WASD) Director certified an emergency purchase to rehabilitate 8,045 linear feet of 72-inch sewer force main to prevent a wastewater spill that would have threatened health, life, and property in the NW area of Miami-Dade County.

Forensic analysis of a discarded length of Prestressed Concrete Cylinder Pipe (PCCP) identified substandard prestressing wire as the cause of the force main rupture that resulted in the spill of fifteen million gallons of untreated wastewater into the Biscayne Canal in June of 2010. Prompted by this discovery, the Water and Sewer Department ordered the testing of an operational force main outfitted with the same type of PCCP involved in the disaster. Pure Technology used magnetic field inspection (the only known method for inspecting, testing, and documenting the integrity of an operational PCCP pipe) to test approximately four and half miles of a 72 inch force main located at NW 32<sup>nd</sup> Avenue and 156<sup>th</sup> Street to NE 10<sup>th</sup> Avenue and 159<sup>th</sup> Street. Testing was completed in February 2011 and a subsequent official report revealed that approximately twenty four percent of the inspected area was in danger of imminent failure due to wire breakage and that the most vulnerable area was located at NW 156<sup>th</sup> Street from 17<sup>th</sup> to 32<sup>nd</sup> Avenues.

Aware that the potential for rupture would increase dramatically if the PCCP was left untouched to handle the additional volume and stress created by the rainy season, the Water and Sewer Department prepared an emergency solicitation. The solicitation included detailed specifications and drawings to rehabilitate the vulnerable pipe using a slip lining method. This method creates a permanent repair at less than half the cost of replacing the PCCP. On April 13, 2011, three local firms known to possess the capability, experience and skill necessary to perform the rehabilitation in accordance with the specifications and within the time constraints (Metro Equipment, Lanzo Construction, and David Mancini & Sons) were invited to bid. All firms participated in the required site visits, and all three made firm offers. On April 19, 2011 the sealed bids were opened and Lanzo Construction Inc. was identified as the lowest responsive, responsible bidder.

**Using/Managing Department and Funding Sources:**

<b>Department</b>	<b>Allocation</b>	<b>Funding Source</b>	<b>Contract Manager</b>
Water and Sewer	\$4,616,050	Proprietary Funds	Gregory Hicks
<b>Total:</b>	<b>\$4,616,050</b>		

<b>Vendor:</b>	<b>Address</b>	<b>Principal</b>
Lanzo Construction (Non-Local vendor)	125 S.E. 5 <sup>th</sup> Court Deerfield Beach, FL 33441	Quirino D'Alessandro
<b>Performance Data:</b>	The vendor had eight Responsible Wage violations between July 2, 1998 and January 21, 2000. On January 17, 2003, the vendor was cited for failing to meet CSBE subcontractor goals. These cases have since been resolved, and the vendor is now in compliance.	
<b>Compliance Data:</b>	There are no compliance issues with the awarded firm.	
<b>Contract Measure:</b>	No Measure – Emergency Purchase	
<b>Local Preference:</b>	The Local Preference was not applied as this is an emergency purchase.	
<b>Living Wage:</b>	The services being provided are not covered under the Living Wage Ordinance.	
<b>User Access Program:</b>	This contract includes the User Access Program provision. The 2% program discount is being collected on this purchase.	
<b>DPM Contract Manager:</b>	Maggie Reynaldos	

**Item 3.2**

**Contract No.:** E9557-WS

**Contract Title:** Rehabilitation of 60" Water Main Pipe at SW 72<sup>nd</sup> Street and SW 97<sup>th</sup> Avenue

**Description:** To waive formal bid procedures and ratify an emergency contract award for the immediate purchase of rehabilitation services for a 60" water main.

**Contract Term:** Upon completion

**Contract Value:** \$132,000

**JUSTIFICATION**

The Water and Sewer Department (WASD) Director certified an emergency purchase to rehabilitate a raw water main section and prevent its failure. This emergency action prevented a catastrophic rupture and the potential failure of the water distribution system.

WASD is currently inspecting all large-diameter Prestressed Concrete Cylinder Pipe (PCCP) within the Miami-Dade piping infrastructure. Using Pipe Diver, a non-destructive patented technology, WASD obtains detailed assessment reports on the internal condition of pipe segments. These reports quantify broken prestressing wires within each segment, and rank the segments in priority category. A PCCP segment categorized as Priority One is at high or very high risk of imminent and catastrophic rupture and failure.

Three segments of a 60" PCCP raw water main pipe located in the area of SW 72<sup>nd</sup> Street and SW 97<sup>th</sup> Avenue were recently categorized as Priority One in a draft assessment report. One of the segments began to leak and was immediately replaced through contract MCC7360; the other two required rehabilitation. On September 6, 2011, WASD approved the immediate rehabilitation of the two segments.

The segments are being rehabilitated by Fibrwrap Construction Services, Inc. via the Tyfo® Fibrwrap® Pipe Rehabilitation System. The system is a Fiber Reinforced Polymer (FRP) based, trenchless technology method for repairing, strengthening and retrofitting large-diameter PCCP. This innovative approach offers significant advantages over traditional pipe replacement and slip-lining methods, including avoiding road and surface destruction, allowing emergency repairs to be completed in minimal time (often 48 to 72 hours), and maintaining internal diameter loss to approximately ¼-inch thickness.

Staff is working on establishing a competitive contract for the repair and rehabilitation of PCCP with FRP-based technology. This construction-related contract will be solicited and awarded as soon as possible, to negate the need to declare emergencies for these types of repairs.

**Using/Managing Department and Funding Sources:**

<b>Department</b>	<b>Allocation</b>	<b>Funding Source</b>	<b>Contract Manager</b>
Water and Sewer	\$132,000	Proprietary Funds	Gregory Hicks
<b>Total:</b>	<b>\$132,000</b>		



<b>Vendors:</b>	<b>Address</b>	<b>Principal</b>
Fibrwrap Construction S.E., LLC (Non-local vendor)	514 Moreland Avenue NE Atlanta, GA 30307	Jason Alexander

**Performance Data:** There are no performance issues with the awarded firm.

**Compliance Data:** There are no compliance issues with the awarded firm.

**Contract Measure:** No Measure – Emergency Purchase

**Local Preference:** The Local Preference was not applied as this is an emergency purchase.

**Living Wage:** The services being provided are not covered under the Living Wage Ordinance.

**User Access Program:** This contract includes the User Access Program provision. The 2% program discount is being collected on this purchase.

**Procurement Contracting Officer:** Maggie Reynaldos