



**Hallandale Beach**  
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400 South Federal Hwy  
Hallandale Beach, FL 33009

## City of Hallandale Beach City Commission Agenda Cover Memo

<b>Meeting Date:</b>	May 15, 2017		<b>Item Type:</b> <i>(Enter X in box)</i>	<b>Resolution</b>	<b>Ordinance</b>	<b>Other</b>	
						X	
<b>Fiscal Impact:</b> <i>(Enter X in box)</i>	<b>Yes</b>	<b>No</b>	<b>Ordinance Reading:</b> <i>(Enter X in box)</i>	<b>1<sup>st</sup> Reading</b>		<b>2<sup>nd</sup> Reading</b>	
	X		<b>Public Hearing:</b> <i>(Enter X in box)</i>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>No</b>
					x		
<b>Funding Source:</b>	Federal Share (FEMA Grant): \$7,274,228 Local Share: \$2,424,742 (Requested during FY17-18 budget process)		<b>Advertising Requirement:</b> <i>(Enter X in box)</i>	<b>Yes</b>		<b>No</b>	
						X	
<b>Account Balance:</b>	\$227,163		<b>Quasi-Judicial:</b> <i>(Enter X in box)</i>	<b>Yes</b>		<b>No</b>	
						X	
<b>Project Number :</b>	P1610		<b>RFP/RFQ/Bid Number:</b>	NA			
<b>Contract/P.O. Required:</b> <i>(Enter X in box)</i>	<b>Yes</b>	<b>No</b>	<b>Strategic Plan Priority Area:</b> <i>(Enter X in box)</i>  <b>Safety</b> <input checked="" type="checkbox"/> <b>Quality</b> <input type="checkbox"/> <b>Vibrant Appeal</b> <input type="checkbox"/>				
		X					
<b>Sponsor Name:</b>	Roger M. Carlton, City Manager		<b>Department:</b> Public Works	Steven F. Parkinson, P.E., PWLF, Director			

**Short Title:**

**Project Update – SW Drainage Improvements**

### Staff Summary:

This item seeks to provide a status update on the City's SW Drainage Improvement Project, which is being funded through the Federal Emergency Management Agency's (FEMA) Hazard Mitigation Grant Program (HMGP) – 75% of costs, and the City's Local share – 25% of costs.

#### **Background:**




The grant application for the Hazard Mitigation Grant Program (HMGP) was submitted by the City of Hallandale Beach on September 15, 2006. The grant was approved for design and permitting services for the NE area of the City on September 8, 2008, and the City received the grant executed documents in November 2008. The grant amount was for \$360,000, with a Federal share of \$270,000 and a local share of \$90,000.

The original project location was NE 7<sup>th</sup> Street between NE 12<sup>th</sup> Avenue and NE 14<sup>th</sup> Avenue.

The grant project was divided into Phase-1-Design and Phase 2-Construction.

The preliminary design included a drainage collection system, a pump station and an outfall to the Intracoastal Waterway. The project budget for construction was \$1.9 million. After review by regulatory agencies at the County and State level, it was determined that the project, as designed, was not feasible. Thereafter, in 2011, the scope of the project was revised and expanded to include the entire NE Quadrant drainage basin.

Since 2011, the grant agreement for the construction phase has been modified five (5) times for scope of work changes, time extensions, and additional funding. The breakdown of the modifications and total grant funding are explained herein and shown in Table1.

-  **Modification 1** was made to include portions of the SW Quadrant drainage basin;
-  **Modification 2** extended the end date of the grant;
-  **Modification 3** was made to include portions of the SE Quadrant drainage basin;

- ✚ **Modification 4** was made to increase funding for construction of the NE Quadrant because the bid prices were significantly higher than the cost estimate used to determine the initial funding; and,
- ✚ **Modification 5** was made to extend the construction end date for the NE quadrant to March 31, 2015.

**Table 1: Hazard Mitigation Grant Program (HMGP) Phase 2 Grant Breakdown**

	<b>Federal Share - FEMA Grant (Labor and Materials)</b>	<b>FEMA Grant (Administrative Cost)</b>	<b>Local Share - City Funds</b>	<b>End Date for Grant</b>
Agreement for design services	\$270,000	\$9,591	\$90,000	09/30/2009
Original Agreement for Construction	\$4,366,566	\$58,221	\$1,445,517	12/06/2012
Modification 1	\$11,240,771	\$104,538	\$3,746,924	12/06/2012
Modification 2	\$11,240,771	\$104,538	\$3,746,924	12/06/2012
Modification 3	\$13,541,748	\$119,878	\$4,513,916	12/31/2014
Modification 4	\$15,311,122	\$131,674	\$5,103,707	12/31/2014
Modification 5	\$15,311,122	\$131,674	\$5,103,707	03/31/2015

Construction of the **NE Quadrant** Drainage Improvement Project was completed in December 2014, and the permits were finalized by the permitting agencies and Florida Department of Emergency Management in March 2015.

The total expenditure of grant funds, which includes design and construction for the NE Quadrant and preliminary design concept plans for Southwest/Southeast Quadrant, is **\$10,622,287** (75% Federal share and 25% City's share paid by HBCRA). In addition, the City has spent \$429,734 for sidewalk repairs on NE 14<sup>th</sup> Avenue, milling, resurfacing and striping on NE 7<sup>th</sup> Street and NE 3<sup>th</sup> Street from NE 12<sup>th</sup> Avenue to NE 14<sup>th</sup> Avenue, repaving and seal coating of private parking lots for condominiums located along NE 14<sup>th</sup> Avenue from East Hallandale Beach Boulevard to Atlantic Shores Boulevard.

Following the completion of the project, there was a request from the Community to further improve the NE 14<sup>th</sup> Avenue corridor by including enhanced landscaping, safety enhancements, multi-modal improvements, and the overall aesthetics of the

thoroughfare. Accordingly, and as discussed with the City Commission during the April 19, 2017 City Commission meeting, the NE 14<sup>th</sup> Avenue Enhanced Landscaping Project design has been completed and staff expects to advertise the formal solicitation in early June 2017.

### **Current Situation:**

The HMGP grant for the **Southwest and Southeast** sections of the City expired as of December 31, 2014. Although requested well in advance, City staff was unable to obtain an extension of the grant prior to its expiration. Notwithstanding, staff worked in conjunction with the City's federal lobbyist, along with support from various local and state elected officials, in order to obtain an extension for the grant. The City's original extension request outlined a 52-month schedule to complete the project design and construction.

On May 25, 2016, staff received a response letter from FEMA regarding the HMGP extension. FEMA approved a phased Period of Performance extension that included a period of **24 months, from the date of the letter, for the project design, permitting and construction bid award.** In accordance with FEMA's guidelines, if these activities are completed within 24 months, **FEMA will continue the Period of Performance extension to include project construction for an additional 28 months.**

The remaining funds in the HMGP grant are \$9,698,970 for the Southwest/Southeast Quadrant Drainage Improvement Project. The 75% federal share is \$7,274,228, and the local share is \$2,424,742. In addition, the administrative reimbursable cost to the City is \$70,178.

The Hazard Mitigation Grant Program (HMGP) contract (DEM No. 17HM-3B-11-16-02-213), which includes design, permitting and construction bid award, was executed between the City of Hallandale Beach and the Florida Division Emergency Management (FDEM) on August 9, 2016.

The breakdown of the grant funding, authorizing expenditure of \$1,010,000 for design and permitting is presented in Table 2 below.

**Table 2: HMGP Grant Breakdown for Design and Permitting**

	<b>Federal Share - FEMA Grant (Design and Permits)</b>	<b>FEMA Grant (Administrative Cost)</b>	<b>Local Share - City Funds</b>	<b>End Date for Grant</b>
Agreement for design and permits	\$750,000	\$10,000	\$250,000	05/25/2018

**Proposed Project Schedule – SW/SE Drainage Improvement Project**

<b>Item Description</b>	<b>Proposed Date of Completion</b>	<b>Status</b>
<b>City Commission Award</b>	July 6, 2016	Complete
<b>Notice to Proceed</b>	August 1, 2016	Complete
<b>30% Design</b>	November 11, 2016	Complete
<b>60% Design</b>	February 14, 2017	Complete
<b>Community Meeting</b>	May 22, 2017	
<b>90% Design</b>	May 26, 2017	
<b>100% Design and Permits</b>	September 12, 2017	
<b>Bid Plans and Specifications</b>	November 30, 2017	
<b>Bid Advertising and Award</b>	April 15, 2018	

After fulfilling the obligations of the agreement mentioned above by May 25, 2018, the City anticipates execution of a new agreement with FDEM for the construction phase of 28 months.

**Community Engagement**

Pursuant to the grant requirements, the City has developed a Citizen Communications/Engagement Plan to ensure the Community is aware of project activities prior to and during construction activities. To that end the City will be holding a Community Meeting May 22, 2017, 6:00 pm, at the Commission Chambers to provide a project status update and to answer questions the Community might have. Other methods of civic engagement include social and print media, HBTv, videos, reverse 911 calls and construction signs.

## **Design Phase-Current Status**

In 2013, the design services for SW/SE quadrants were awarded to Calvin Giordano. The original design approach was to mirror the NE Quadrant design. This proved problematic for a number of reasons: 1) The SW-SE quadrant project area is nearly twice as large as the NE Quadrant; 2) After reaching 30% design completion, it was determined that issues encountered in the NE would prove problematic in this quadrant as well; and 3) Based on the lessons learned in the NE Quadrant, the designing engineer made considerable design changes, which significantly increased the construction estimate to \$21 Million (\$21,000,000).




Since the construction cost was near three times larger than the available grant funding (\$9,698,970), and the grant expiration date was December 31, 2014, the City sought to not pursue the completion of the SW-SE Quadrant as originally designed. Instead, it was deemed necessary to request an extension of time rather than utilize public funds in an irresponsible manner by designing a project within the available grant funding availability of \$9,698,970.

Accordingly, a new professional services contract was awarded by the City Commission on July 1, 2016, to Calvin Giordano, Associates, Inc. for \$782,395 to provide design, permitting and bidding assistance for the SW Drainage Improvement Project. Below is a summary:

### **1. Scope of Work:**

Provide drainage improvements to alleviate flooding conditions during major events: pump station, backup generator, flood-control structure, force mains and injections wells.

### **2. Project Area (Attachment A):**

-  Force Mains and Injection Wells: SW 7<sup>th</sup> Street, SW 8<sup>th</sup> Street, SW 8<sup>th</sup> Court and SW 9<sup>th</sup> Street, from South Dixie Highway to SW 2<sup>nd</sup> Avenue.
-  Pump Station and Generator: at the canal located at SW 2<sup>nd</sup> Avenue, near SW 7<sup>th</sup> Street
-  Flood Control Structure: at the canal located at SW 11<sup>th</sup> Street, between SW 3<sup>rd</sup> Ave and SW 4<sup>th</sup> Avenue.

### **3. Current Project Financial Status:**

<b>PROJECT ACCOUNTS (P1610)</b>	<b>Account Budget</b>	<b>Encumbered</b>	<b>Account Balance</b>
490-3390W-534010 (Utility Fund, Non Departmental, Outside Services)	\$34,633.36	\$20,349.00	\$ 14,284.36
490-3590S-534010 (Utility Fund, Non Departmental, Outside Services)	\$ 4,773.48	\$0.00	\$ 4,773.48
440-3660-534010 (Stormwater Fund, Stormwater, Outside Services)	\$229,651.30	\$182,125.05	\$ 47,526.25
347-4905C-534010 (HMGP FEMA Grant)	\$750,000.00	\$589,420.95	\$160,579.05
<b>Total</b>	<b>\$1,019,058.14</b>	<b>\$791,895.00</b>	<b>\$227,163.14</b>
<b>PROJECT COMMITMENTS</b>	<b>Encumbered</b>	<b>Spent</b>	<b>Available</b>
Calvin Giordano & Associates (20161293 / 20170173)	\$782,395.00	\$346,348.80	\$436,046.20
Design Moves	\$ 6,000.00	\$ 50.00	\$ 5,950.00
Broward County Permits	\$ 3,500.00	\$ 3,500.00	\$ 0.00
<b>Total</b>	<b>\$791,895.00</b>	<b>\$346,398.80</b>	<b>\$445,496.20</b>
<b>Available Project Budget – Phase I – Design/Permitting Services</b>		<b>\$227,163.14</b>	

### **Why Action is Necessary:**

Staff is presenting this item to update the City Commission on the SW Drainage Improvement Project.

### **Fiscal Impact:**

The remaining funds in the HMGP grant for the construction phase are \$8,698,970 for the Southwest/Southeast Quadrant Drainage Improvement Project. The 75% federal share is estimated at \$6,524,227, and the 25% local share is estimated at \$2,174,742.

City Administration will request funding for the local share of the construction phase of the HMGP in the amount of \$2,175,000 during the FY17-18 Budget Workshops. This funding, if approved, will be included in the CRA FY17-18 budget.

<b>Proposed Action:</b>
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This is a status update on the SW Drainage Improvement Project.

<b>Attachment(s):</b>
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Exhibit 1 – Project Area

Prepared By: \_\_\_\_\_

Mariana Pitiriciu, PE  
City Engineer/Assistant Director of Public Works