



Memo

TO: Robert A. Payton, City Manager

FROM: Kirk Hobson-Garcia, Assistant Public Works Director, P.E.
CRS Coordinator

DATE: September 30, 2009

RE.: **ANNUAL PROGRESS REPORT**

The City of Miramar is a participant in the National Flood Insurance Program's (NFIP) Community Rating System (CRS) which means that residents and business owners receive a discount on their flood insurance premiums in recognition of efforts made by the City of Miramar to reduce the impact of flood incidents.

On March 2, 2005, the City Commission of the City of Miramar adopted Resolution No. 05-128 which outlined the Local Mitigation Strategy for Post-Disaster Redevelopment Planning as the City's Flood Plain Management plan. Under this planning effort, Activity 510 of the Community Rating System Annual Recertification instructs participating communities to prepare a written progress report each year. This memo is our progress report. For the city to get credits under the Community Rating System, this report must be distributed to our local media companies in our environs and be made available to the public. This document is being sent to our local community media companies that cover City of Miramar. A copy of this report will be kept at the City Clerk's Office at 2300 Civic Center Place, City Hall, and posted on the city's website at: <http://www.ci.miramar.fl.us/publicworks/stormwater/index.html>

Background:

The original Flood Protection Plan was developed during the period 1997 to 1999 and adopted by the Broward County Board of County Commissioners in March 2000. This plan known as the Broward County Local Mitigation Strategy (LMS) was reviewed by the Florida Department of Emergency Management as compliance to the Local Plan Interim Criteria under the Disaster Act of 2000 published by FEMA HQ and dated March 28, 2002.

The Plan reviews a variety of measures that can reduce the problems and/ or protect city residents and their property when flooding occurs. Measures reviewed include retention basins, culvert and storm sewer improvements and retrofitting, flood proofing, flood insurance, building regulations, public information, safety precautions, and erosion and sediment control.

Analysis:

The City of Miramar Departments are constantly striving and looking for ways to improve the Community as a whole. One of these perpetual targets is to reduce the risk to people and property in the event of flood inducing events. For this purpose, the City has looked at important indicators to begin its improvements. Repetitive loss properties were studied to see if there was a regional problem that might be corrected through CIP planning and retrofitting by the city.

However, after further study, using the City's geographic information system it became clear that although these properties were affected by abnormal rainfall, other properties were not impacted by the same conditions. This notion led to a proposal for a drainage study for the Eastern region of the City from State Road 7 to University Drive.

The following activities have taken place:

Flood Damage Reduction Activities Follow-up from Year 2009 to Year 2009:

- 1) In 2005, the City's engineering consultant, Schwebke-Shiskin & Associates, Inc. conducted an 'Engineering Storm Water Analysis' for the study area between SW 64 Avenue to Florida Turnpike. The engineer's estimate for drainage improvement was \$20.2M. The funding for this project continues to be developed as part of the City's continuation of infrastructure improvements in the Eastern Miramar Service Area.
- 2) FDOT recently completed construction of a portion of the State Road 7 Reconstruction Project. This work included drainage and roadway improvements along (1) mile of State Road 7 and a ¼ mile of Miramar Parkway. These improvements are part of a larger infrastructure project costing \$26M. Since this phase of the project resided within the City limits, residents and businesses will benefit with a lower flood-risk level.
- 3) The City of Miramar has completed telemetry upgrades at two City monitoring stations within the Miramar Isles and Granada Harbor Canals. The new telemetry equipment produce real-time data used by staff to remotely monitor canal water levels to provide increased public safety for residents and their properties.
- 4) A large portion of the City's flood warning dissemination and telemetry system is outsourced through the South Broward Drainage District (SBDD). The District has the maintenance and monitoring responsibilities of our lakes and canal systems, and these water bodies remain in good standing as of this reporting date.

Why Certain Activities Have Not Progressed

Item No. 1 above, for drainage improvements has not commenced construction due to budgetary cuts associated with the City's current economic conditions.

Other Recommendations / Activities

- 1) The City is looking at other grant funding possibilities through sources like the Florida Coastal Management Program and FEMA Hazard Mitigation Assistance Programs for funding of future flood mitigation storm drainage improvement projects.
- 2) In the event that federal funds or even low interest loans become streamlined to the City, staff is open to any possibility that can enhance the City of Miramar's well being.