PART 7

MIAMI-DADE COUNTY 2013 ANNUAL PROGRESS REPORT LOCAL MITIGATION STRATEGY

ACTIVITY 510

September 2013

MIAMI-DADE COUNTY 2013 ANNUAL PROGRESS REPORT LOCAL MITIGATION STRATEGY ACTIVITY 510

Introduction

Miami-Dade County uses the Local Mitigation Strategy (LMS) working group as the floodplain management plan.

Miami-Dade County is made up of thirty-five municipalities plus a large unincorporated area referred to as the "Unincorporated Municipal Services Area" (UMSA). While referred to as cities throughout this document, officially, some are cities, others are towns and still others are villages. These municipalities consist of both coastal and inland communities; urban, suburban and rural communities; communities that are heavily industrialized, some with an agricultural base and those that are almost completely residential. The county has two of the five largest cities in the state of Florida (Miami and Hialeah) .

In the spring of 1998, the state of Florida contracted with and provided funding to each of the counties within the state to develop a Local Mitigation Strategy (LMS). Miami-Dade County is a highly diverse community yet because of a hurricane named Andrew we all have a profound appreciation for hazard mitigation and a willingness to make the "Strategy" work. Consequently, all of the municipalities in Miami-Dade County have participated in the Local Mitigation Strategy (LMS) at one time or another and have formed, with many other organizations, what we refer to as the LMS Working Group.

The LMS Working Group

This group has the goal to create a comprehensive list of mitigation projects, providing updates the list twice a year, in June and December.

This year the Comprehensive Emergency Management Plan (CEMP), which includes the LMS, was presented to the Board of County Commissioners on April 18, 2013. The Board passed the Resolution R-418-13, authorizing the County Mayor or the County Mayor's Designee to execute agreements with local municipalities, and to file and execute any necessary modifications and revisions to the Plan.

The CEMP can be downloaded from http://www.miamidade.gov/fire/about-comprehensive-plan.asp.

At all times, the latest published version of the Local Mitigation Strategy is posted on the Miami-Dade County Internet website – www.miamidade.gov/oem/lms.asp – for public scrutiny and commentary. An email address, mdlms@miamidade.gov , has been established for such commentary.

Members of the media are participants to the LMS meetings. The Board of County Commissioner's (BCC) meetings are televised and posted at http://www.miamidade.gov/information/miami-dade-tv.asp. The BCC meetings are public meetings, advertised and attended by media and public, transmitted via webcast and public TV channels.

During the development of the LMS each municipality designated a representative to the Working Group. Additionally, each of the major departments within the county government assigned a representative to the Working Group to address the issues of the unincorporated portions of the county and the county owned and operated facilities that lie within the boundaries of the municipalities. In order to streamline planning, the Working Group was divided into seven subgroups, which, for

convenience sake, used the groupings that were already in place within the county as "divisional emergency operations centers" (DEOC) and are loosely based upon geographical proximity. The subgroups are as follows (with new cities added where appropriate):

Group 1: Aventura, Bal Harbour, Golden Beach, Miami Gardens, North Miami Beach and Sunny Isles Beach.

Group 2: Bay Harbor Islands, Biscayne Park, Indian Creek Village, North Miami and Surfside.

Group 3: Doral, Hialeah, Hialeah Gardens, Medley, Miami Lakes, Miami Springs, Opa-Locka and Virginia Gardens.

Group 4: El Portal, Key Biscayne, Miami, Miami Beach, Miami Shores and North Bay Village.

Group 5: Coral Gables, Palmetto Bay, Pinecrest, South Miami, Sweetwater, and West Miami.

Group 6: Cutler Bay, Florida City, Homestead, Islandia and the Miccosukee Tribe of Indians of Florida.

Group 7: Miami-Dade County departments, divisions and offices – offices and divisions that operate fairly independently of their parent department act on their own in the LMS Working Group.

Other active participants in the Working Group include state and federal agencies, colleges, universities and schools (including the Miami-Dade County Public Schools), hospitals, not-for-profit organizations and private sector companies.

The makeup of the Working Group is not limited to the any particular organization or jurisdiction. Numerous others have expressed the desire to participate in the Local Mitigation Strategy and are welcome to do so. It has been asked why federal and state agencies and private sector companies should participate in the LMS. Well, the answer is easy: They live here and work here, too; our disasters are their disasters.

Each organization, (municipality, county department or other participating organization) appoints an official representative to the Working Group who will vote on behalf of the organization and will be the "voice" of the organization. Each organization is encouraged to solicit participation and commentary from its citizens, employees and members.

It must be noted, however, that to be considered a participant of the Local Mitigation Strategy and receive the benefits thereof, a municipality, county department or any other organization must attend at least two of the four quarterly meetings held each year. The Working Group endorsed this policy unanimously on September 20, 2001. However, any organization may substitute regular participation and attendance on an active LMS committee or subcommittee in lieu of attendance at the quarterly meetings.

Although the state of Florida's LMS development contract with Miami-Dade County and its municipalities officially terminated in August of 1999 there was a presumption in both the contract and in the publication The Local Mitigation Strategy: A Guidebook for Florida Cities and Counties that the Working Group or other successor entity would continue in some form far beyond that date. The requirement for the development of evaluation criteria and review and revision policies implies continuity, as does a long-term conflict resolution policy utilizing the Working Group as part of the process. In any event, the continuation of the Working Group has been addressed as part of the Local Mitigation Strategy even though not required by the contract.

LMS Committees

In order to streamline the Working Group's activities, various committees may be formed, each addressing an area of concern. Initially, committees were formed to deal with flooding, evacuations, funding, community education, external policy, agriculture and wildfires. Other committees may be formed as needed. To act as a "board-of-directors" and to guide policy between meetings of the Working Group, a Steering Committee has been formed with members representing the organizations found within the Working Group (i.e. municipal, county, educational, not-for-profit and private sectors). The Steering Committee will also act as a review committee for the establishment of this Local Mitigation Strategy and the prioritization of the projects therein. Membership on any committee shall be voluntary and subject to the review and approval of the Working Group. A committee member who fails to attend a reasonable number of committee meetings may be dropped from participation in the committee by a majority vote of the other members of that committee. As stated above, serving on a committee may act in lieu of attendance at the quarterly LMS meetings.

Program Continuity and Meetings

In September 1999, The Miami-Dade County Local Mitigation Working Group voted to continue the LMS program with or without state funding. The Steering Committee will meet as needed and the full Working Group will meet once each calendar quarter. Working Group meetings will be noticed by e-mail to the official representative of each jurisdiction and to other interested parties. The representatives are encouraged to post meeting notifications prominently, on community bulletin boards or in some other way, to notify the public or other interested parties at least thirty days prior to each meeting. Meeting times, dates and locations will also be posted on the LMS website: http://www.miamidade.gov/fire/mitigation.asp .

The Local Mitigation Strategy Working Group has created the Local Mitigation Strategy (LMS), which is updated semi-annually on June 30th and December 31st. The LMS Working Group is made up of representatives from Miami-Dade municipalities, county departments, state and federal agencies, schools, colleges and universities, hospitals, and private for profit and not-for-profit organizations. The latest published version of the Local Mitigation Strategy is available for public scrutiny and commentary at: hhttp://www.miamidade.gov/fire/mitigation.asp. Comments can be provided via e-mail to via e-mail to: mdlms@miamidade.gov. Additional information and questions can be directed to Cathie Perkins, at cathie.perkins@miamidade.gov or by phone at (305) 468-5400

The LMS Coordinator working through the Miami-Dade Department of Emergency Management and Homeland Security and (EMHS) and with the assistance of the LMS Steering Committee, will undertake

to organize the updates. All additions, deletions and amendments must be received at EMHS at least thirty days prior to each agreed upon publication date or risk not being included in the final publication for that time period.

On June 6, 2000 the Miami-Dade Board of County Commissioners passed Resolution R-572-00 formally adopting the Local Mitigation Strategy as official county policy thus further promoting program continuity. Because Miami-Dade County has a metropolitan form of government, this means that each of the municipalities within the county has also automatically adopted the LMS unless they choose not to and to date, none have opted out.

Additionally, on June 7, 2005, the Miami-Dade Board of County Commissioners passed Resolution R-710-05, which states that grant applications filed under the auspices of the Miami-Dade Local Mitigation Strategy no longer have to go to the Commission for approval, but instead authorizes the county manager to "Apply for, receive, expend and amend applications for grant funds for projects listed in the Miami-Dade County Local Mitigation Strategy.

The updates are performed twice a year, on June 30th and December 31st, with the inclusion of new projects and removal of the projects already completed. Please refer to the attached list of projects completed and on-going for all federal funding sources, associated to Miami-Dade County unincorporated areas.

Unincorporated Miami-Dade County LMS Project Updates

New projects are recommended by different Miami-Dade County departments and organizations twice a year. Additionally, the Stormwater Management Masterplan performs area floodplain analyses based on hydrology and hydraulics modeling, inspection reports, and repetitive loss information received from FEMA.

Stormwater Management Masterplan area analysis reports are conducted in two cycles: an overall re-evaluation of each of the primary canal basins every 5-years; an evaluation of the repetitive loss areas is performed every year.

The severity of flooding is identified by the Stormwater Management Masterplan through an established Flood Problem Severity Score (FPSS) to rank each individual sub-basin or drainage area by the severity of the flood problem.

The summary of the latest 5-year flood plain analyses and sub-basin prioritization is available upon request. The repetitive loss areas or sub-basins are identified and ranked according to the number of losses in each sub-basin; a cost estimate for the recommended drainage system is prepared.

All proposed projects are forwarded to the Department of Public Works for design and construction, pending availability of funds. The schedule of implementation is established based on severity of flooding (priority rank) and availability of funds.

- In the FY 2013-14 Adopted Budget shows over $ 52 million dollars to be used in stormwater improvement projects, scheduled for the next five years.

- Please refer to the 2013-2014 Current Capital Budget and Prior Capital Budget (2012-13) for a complete list of funded and unfunded, projects posted at:
  http://www.miamidade.gov/budget/home.asp

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LMS Flood Mitigation Project Status List as of September 2013

Miami-Dade County

Part II of the Miami-Dade Local Mitigation Strategy – The Projects – is a compilation of countywide initiatives and projects. Each initiative or project is included herein as one or more descriptive paragraphs, with a cost estimate where available and status of implementation. Each submitting jurisdiction or organization will also maintain a full, detailed project description as well as a detailed project budget, which may be required for a grant application. Additionally, the Miami-Dade County Domestic Preparedness Strategy (DPS), which includes homeland security mitigation measures, is, by reference, included in the Local Mitigation Strategy. Projects included in the DPS will be considered to be LMS projects.

The Part II of the Miami-Dade Local Mitigation Strategy – The Projects, is posted at:
http://www.miamidade.gov/fire/library/OEM/LMS-master-2012-12-part-2-the-projects.pdf

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Summary of the LMS Flood Mitigation Funded Projects as of 9/13

Unincorporated Miami-Dade

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UPDATES ON THE LOCAL MITIGATION STRATEGY FLOOD PROJECT LIST

COMPLETED AND ON-GOING PROJECTS LISTED ON THE

PREVIOUS LOCAL MITIGATION STRATEGY DOCUMENTS

PROJECT	STATUS
Project 8 (LMS June 2009): Midway Drainage Improvement Project	Construction of Drainage system is complete Pump station design is completed Pump Station construction is complete

RECOMMENDATIONS FOR PROJECTS OR REVISED RECOMMENDATIONS

This is the proposed list of stormwater management projects for the next LMS update (December 2013), and listed in the Approved Budget for Fiscal Year 2013-14. The project selection of project areas is based on based on the Flood Problem Severity Score (FPSS) score and the number of historical flood losses and repetitive losses in the drainage area or sub-basin. The 10 sub-basins with the largest FPLOSS and largest number of Repetitive Loss Numbers are prioritized, and scheduled for design and construction based on the availability of funds.

PROJECT	PROJECT #	District Located	District(s) Served:	DESCRIPTION	FUNDING SOURCE	LOCATION	SCHEDULED COMPLETION	TOTAL COST, in $ 1,000
SEABOARD ACRES/LARCHMONT PUMP STATION RETROFIT	9920	2	2, 3	Construct drainage improvement Pump Station Retrofit	Stormwater Utility	Memorial Hwy and NE 131 St; NW 5 Ave and NW 85 St	2014-15	3,280
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 01	551100	1	1	Construct drainage improvements	BBC GOB Financing	Commission District 1	2018-19	5,129
MASTER PLAN BASINWIDE DRAINAGE IMPROVEMENTS - COMMISSION DISTRICT 04	551430	4	4	Construct drainage improvements	BBC GOB Financing	Commission District 4	2018-19	1,600
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 03	551500	3	3	Construct drainage improvements	BBC GOB Financing	Commission District 3	2013-14	135
MASTER PLAN BASINWIDE DRAINAGE IMPROVEMENTS - COMMISSION DISTRICT 10	551710	10	10	Construct drainage improvements	BBC GOB Financing BBC GOB Series 2005A	Commission District 10	2018-19	5,555
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 11	551790	11	11	Construct drainage improvements	BBC GOB Financing BBC GOB Series 2005A BBC GOB Series 2008B BBC GOB Series 2008B-1	Commission District 11	2015-16	1,857
MASTER PLAN BASINWIDE DRAINAGE IMPROVEMENTS - COMMISSION DISTRICT 11	552540	11	11	Construct drainage improvements	BBC GOB Financing	Commission District 11	2018-19	4,875
DRAINAGE IMPROVEMENTS NW 77 AVENUE TO NW 78 COURT FROM NW 179 STREET TO NW 186 STREET	552990	13	13	Construct drainage improvements	BBC GOB Financing BBC GOB Series 2008B BBC GOB Series 2008B-1	Commission District 13	2013-14	518

PROJECT	PROJECT #	District Located	District(s) Served:	DESCRIPTION	FUNDING SOURCE	LOCATION	SCHEDULED COMPLETION	TOTAL COST, in $ 1,000
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 10	553020	10	10	Construct drainage improvements	BBC GOB Financing BBC GOB Series 2008B BBC GOB Series 2008B-1	Commission District 10	2014-15	1,273
DRAINAGE IMPROVEMENTS CORAL WAY TO SW 21 STREET FROM SW 67 AVENUE TO SW 72 AVENUE	553070	6	6	Construct drainage improvements	BBC GOB Financing	Commission District 6	2017-18	750
MASTER PLAN BASINWIDE DRAINAGE IMPROVEMENTS - COMMISSION DISTRICT 01	554180	1	1	Construct drainage improvements	BBC GOB Financing	Commission District 1	2017-18	1,500
DRAINAGE IMPROVEMENTS NW 95 STREET TO NW 100 STREET FROM NW 34 AVENUE TO NW	554450	2	2	Construct drainage improvements	BBC GOB Financing	Commission District 2	2017-18	500
DRAINAGE IMPROVEMENTS SW 127 AVENUE TO SW 128 AVENUE FROM SW 58 STREET TO SW 65 STREET	554720	10	10	Construct drainage improvements	BBC GOB Financing	Commission District 10	2015-16	750
MASTER PLAN BASINWIDE DRAINAGE IMPROVEMENTS - COMMISSION DISTRICT 02	554910	2	2	Construct drainage improvements	BBC GOB Financing	Commission District 2	2016-17	2,000
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 06	555150	6	6	Construct drainage improvements	BBC GOB Financing	Commission District 6	2017-18	4,894
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 02	555900	2	2	Construct drainage improvements	BBC GOB Financing	Commission District 2	2015-16	1,598
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 05	556130	5	5	Construct drainage improvements	BBC GOB Financing	Commission District 5	2017-18	1,000
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 04	556540	4	4	Construct drainage improvements	BBC GOB Financing	Commission District 4	2016-17	960

PROJECT	PROJECT #	District Located	District(s) Served:	DESCRIPTION	FUNDING SOURCE	LOCATION	SCHEDULED COMPLETION	TOTAL COST, in $ 1,000
MASTER PLAN BASINWIDE DRAINAGE IMPROVEMENTS - COMMISSION DISTRICT 13	557510	13	13	Construct drainage improvements	BBC GOB Financing	Commission District 13	2017-18	1,638
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 07	558090	7	7	Construct drainage improvements	BBC GOB Financing	Commission District 7	2016-17	1,270
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 13	558620	13	13	Construct drainage improvements	BBC GOB Financing	Commission District 13	2014-15	874
DRAINAGE IMPROVEMENTS SW 92 AVENUE FROM WEST FLAGLER STREET TO SW 8 STREET	558690	6, 10	6, 10	Construct drainage improvements	BBC GOB Financing	SW 92 Ave from West Flagler St to SW 8 St	2017-18	1,250
DRAINAGE IMPROVEMENTS WITHIN COMMISSION DISTRICT 08	558940	8	8	Construct drainage improvements	BBC GOB Financing	Commission District 8	2014-15	529
MASTER PLAN BASINWIDE DRAINAGE IMPROVEMENTS - COMMISSION DISTRICT 12	559150	12	12	Construct drainage improvements	BBC GOB Financing	Commission District 12	2018-19	4,633
MASTER PLAN BASINWIDE DRAINAGE IMPROVEMENTS - COMMISSION DISTRICT 07	559270	7	7	Construct drainage improvements	BBC GOB Financing	Commission District 7	2016-17	1,370
DRAINAGE IMPROVEMENTS SW 157 AVENUE FROM SW 42 STREET TO SW 64 STREET (SW 157 AVENUE CANAL)	559780	11	11	Construct drainage improvements	BBC GOB Financing BBC GOB Series 2005A BBC GOB Series 2008B BBC GOB Series 2008B-1	SW 157 Ave from SW 42 St to SW 64 St	2014-15	1,500
DRAINAGE IMPROVEMENTS CARIBBEAN BOULEVARD AT THE C-1N CANAL CROSSING	602900	8, 9	8, 9	Construct drainage improvements	Stormwater Utility	Caribbean Blvd between HEFT and Anchor Rd	2014-15	3,025
DRAINAGE RETROFIT OF ARTERIAL ROADWAYS	607800	Countywide	Countywide	Construct drainage improvements throughout Miami-Dade County	Stormwater Utility	Countywide	2018-19	7,000

PROJECT	PROJECT #	District Located	District(s) Served:	DESCRIPTION	FUNDING SOURCE	LOCATION	SCHEDULED COMPLETION	TOTAL COST, in $ 1,000
LOCAL DRAINAGE IMPROVEMENTS	602880	UMSA	UMSA	Construct stormwater drainage improvements in various locations across the County	BBC GOB Financing BBC GOB Series 2005A BBC GOB Series 2008B BBC GOB Series 2008B-1 BBC GOB Series 2011A	Various Sites Throughout Miami-Dade County	2016-17	11,542
STORMWATER PUMP STATION / CONTROL STRUCTURES UPGRADE	608020	Countywide	Countywide	Upgrade / retrofit existing stormwater pump stations and structures	Stormwater Utility	Various Sites Throughout Miami-Dade County	2013-14	700
DRAINAGE IMPROVEMENTS SW 72 STREET TO SW 80 STREET FROM SW 52 AVENUE TO SW 57 AVENUE	608820	7	7	Construct drainage improvements	BBC GOB Financing	SW 72 St to SW 80 St from SW 52 Ave to SW 57 Ave	2017-18	1,000
SAN SEBASTIAN DRAINAGE IMPROVEMENT PROJECT	609010	10	10, 11	Construct drainage improvements	BBC GOB Financing BBC GOB Series 2008B-1	SW 42 St to SW 47 St between SW 132 Ave to SW 133 Ave	2013-14	772
DRAINAGE IMPROVEMENTS NORTH MIAMI BEACH BOULEVARD	5510070	4	4	Construct drainage improvements	BBC GOB Financing	North Miami Beach Blvd from NE 17 Ave to US-1	2016-17	1,500
MASTER PLAN BASINWIDE DRAINAGE IMPROVEMENTS - COMMISSION DISTRICT 08	5510660	8	8	Construct drainage improvements	BBC GOB Financing	Commission District 8	2017-18	4,227
RESERVE FOR HIGH PRIORITY DRAINAGE PROJECTS	5553041	UMSA	UMSA	Reserve funds for additional projects and existing projects requiring an increased allocation	Stormwater Utility	Various Sites in Unincorporated Miami-Dade County	2018-19	3,500
LOCAL DRAINAGE IMPROVEMENTS FOR COMMUNITY RATING SYSTEM PROGRAM	5555631	UMSA	UMSA	Construct drainage improvements in accordance with the Federal Emergency Management Agency Community Rating System Program	Stormwater Utility	Various Sites in Unincorporated Miami-Dade County	2018-19	7,000

PROJECT	PROJECT #	District Located	District(s) Served:	DESCRIPTION	FUNDING SOURCE	LOCATION	SCHEDULED COMPLETION	TOTAL COST, in $ 1,000
ROADWAY DRAINAGE IMPROVEMENTS IN UNINCORPORATED MIAMI-DADE COUNTY	6031811	UMSA	UMSA	Construct roadway drainage improvements	Stormwater Utility	Various Sites in Unincorporated Miami-Dade County	2018-19	10,375
DRAINAGE IMPROVEMENT MATERIALS	6032431	UMSA	UMSA	Purchase pipes and inlets for drainage improvements	Stormwater Utility	Various Sites in Unincorporated Miami-Dade County	2018-19	1,400
						TOTAL		**103,279**