



MIAMI BEACH

OFFICE OF THE CITY MANAGER

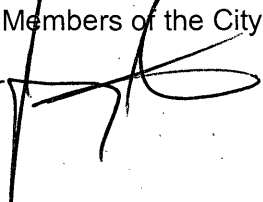
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LETTER TO COMMISSION COMMUNITY DEVELOPMENT OFFICE

TO: Mayor Matti Herrera Bower and Members of the City Commission

FROM: Jimmy L. Morales, City Manager 

DATE: September 9, 2013

SUBJECT: **Progress Report on the City's Local Mitigation Strategy Projects relative to Property Owner Discounts on Flood Insurance Premiums**

Introduction and Background

Miami-Dade County is the designated local coordinator of the Local Mitigation Strategy Program (LMS) for the Miami-Dade County area, and prepares all the municipal components of the program into a single unified Countywide Local Mitigation Strategy. The primary mitigation goal of the LMS is to reduce vulnerability to natural, technological and societal hazards from all sources, but especially in South Florida from hurricanes, tornadoes, floods and other severe weather events.

The City's participation in the LMS improves its standing and classification in the Community Rating System, making flood insurance under the National Flood Insurance Program more affordable. The Community Rating System (CRS) is a points based system program that reduces flood insurance premiums for the citizens of participating communities. In the CRS program, flood insurance premiums are adjusted to reflect community activities that reduce flood damage to existing buildings, protect new buildings beyond the minimum National Flood Insurance Program (NFIP) protection level, help insurance agents obtain flood data and help people obtain flood insurance. There are 10 CRS classes: Class 1 requires the most credit points and gives the greatest premium reduction. Class 10 receives no premium reduction.

Currently the City is a Class 6 community, and as such, the City's residents have been receiving a 20% discount in their flood insurance premium (equivalent to approximately \$5 million annually for more than 46,000 policies citywide). NFIP has requested that the City of Miami Beach produce a LMS progress report on an annual basis. The Federal Emergency Management Administration (FEMA) requires this report to be submitted to the City's governing body.

On June 6, 2000 the Miami-Dade Board of County Commissioners passed Resolution R-572-00 to adopt the Local Mitigation Strategy (LMS). Miami-Dade County has a metropolitan form of government; which means that each of the municipalities within the County has also automatically adopted the LMS.

On July 12, 2006, the City of Miami Beach adopted Resolution Number 2006-26249 adopting the Miami-Dade County Local Mitigation Strategy.

Program Continuity and Strategy to Inform the Public

City staff attends the Miami-Dade County Local Mitigation Strategy meetings once each calendar quarter. Additionally, the latest published version of the Local Mitigation Strategy, along with meeting times, dates and locations are posted on the Miami-Dade County LMS website at: www.miamidade.gov/oem/lms.asp

This memorandum will be made available to the public through the media and City Clerk's Office.

The following is a progress report on the projects listed in the City's Local Mitigation Strategy. Also included in Attachment 1 is a listing of all projects completed since 2005.

Flooding: Drainage Improvement Projects

These projects have been specifically selected to improve the drainage system for the flood repetitive loss areas. Improvements consist of drainage improvements to mitigate street level flooding, reduce property flooding concerns and improve emergency response vehicle access. These projects will alleviate chronic neighborhood flooding situations.

Biscayne Point Drainage Improvements: Construction of drainage improvements at Stillwater Drive and 85th and 86th Streets in Biscayne Beach.

Status: The project is currently under construction.

Bayshore Drainage Improvements: Construction of drainage improvements from Lower Bay Road between 21st to 23rd Streets and also between 27th Street and Alton Road.

Status: Design complete and in permitting.

West Avenue Drainage Improvements: Drainage improvements are proposed for the West Avenue / Bay Road neighborhood include installing pump stations and raising the road elevation where possible.

Status: The project requires a Design Criteria Package to be developed and to be a Design/build in 2015/16.

Flamingo A & C/ Lummus Drainage Improvements: Drainage improvements are proposed for the Flamingo / Lummus neighborhood and include pump stations and drainage wells. **Status:** The project is in design phase.

La Gorce Drainage Improvements: Drainage improvements for the La Gorce Neighborhood.

Status: The project requires a Design Criteria Package to be developed and to be designed in 2014; under construction last Quarter 2014.

Lake Pancoast Area Drainage Improvements: Construction of drainage improvements for West 24th Street, Lake Pancoast Drive, and West 25th Street.

Status: The project is currently under construction.

Palm and Hibiscus Area Drainage Improvements: Construction of drainage improvements for Palm and Hibiscus Islands.

Status: The design is completed and has an anticipated construction start date of January 2014.

Lakeview Drainage Improvements: Construction of drainage improvements for the Lakeview area bounded by 51st Street to north, N. Bay Road to west, Cherokee Avenue to east and Lake View Drive to south.

Status: The project requires a Design Criteria Package to be developed 2nd Quarter 2014.

Parkview Canal Seawall Revetment: This project includes constructing revetment along eroded bank areas.

Status: This is a future unfunded project.

Extensive Repairs to Seawalls: Citywide repair of seawalls in order to mitigate the damage to the inland shoreline located throughout the City.

Status: Wofford Park is complete. Bonita Drive North project is in the design phase.

Canal Cleaning and Shaping – Citywide: Dredging of the approximately 12 miles of inland canals located within the City. This would directly impact the ability of the canal to hold tidal flooding and minimize flooding of surrounding properties during significant weather events.

Status: This is a future unfunded project.

Flood Proofing Sewer and Pump Stations: Relining and sealing 31 pump stations and 500 manholes to prevent water intrusion which would damage pump station equipment and structures, to prevent failure of pump stations thereby avoiding flooding.

Status: Construction ongoing.

Stormwater Outfall and Seawall Reconstruction: Replacement of seawalls and 150 stormwater outfalls with associated relining of piping leading to outfalls as part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations

Status: Ongoing Design and Construction.

City Center – Historic District Drainage Improvements: Construction of drainage improvements from Lincoln Lane North on the south, Washington Avenue on the west, 21st Street on the north, and Collins Avenue on the east are part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations. The project includes construction of new catchbasins and outfalls with associated piping. The stormwater will be treated using new gravity wells.

Status: The project is approximately 99% complete.

Central Bayshore Drainage Improvements: Construction of drainage improvements from 28th Street on the south, Alton Road on the west, 41st Street on the north, and Pine Tree Drive on the east are part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations. The project includes construction of new catchbasins and outfalls with associated piping. The stormwater will be treated using new gravity and pumped wells.

Status: The project is currently under construction and is approximately 65% complete.

Sunset Islands I & II Drainage Improvements: Construction of drainage improvements on these islands are part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations. The project includes construction of new catchbasins and outfalls with associated piping. The stormwater will be treated using new exfiltration trenches.

Status: The project is complete.

Sunset Islands III & IV Drainage Improvements: Construction of drainage improvements on these islands are part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations. The project includes construction of new catchbasins and outfalls with associated piping. The stormwater will be treated using new gravity wells and/or exfiltration trenches.

Status: The project requires a Design Criteria Package to be developed 1st Quarter 2014.

Oceanfront Drainage Improvements: Construction of drainage improvements from 27th Street on the south, Indian Creek on the west, 44th Street on the north, and Miami Beach Drive on the east are part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations. The project includes construction of new catchbasins and outfalls with associated piping. The stormwater will be treated using new gravity wells and/or exfiltration trenches.

Status: This is a future project.

South Pointe II Drainage Improvements: The construction of drainage improvements south of 5th Street is part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations. The project includes construction of new catchbasins and outfalls with associated piping. The stormwater will be treated using new gravity wells and/or exfiltration trenches.

Status: The project is complete.

South Pointe III – V Drainage Improvements: The construction of drainage improvements south of 5th Street is part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations. The project includes construction of new catchbasins and outfalls with associated piping. The stormwater will be treated using new gravity wells and/or exfiltration trenches.

Status: The project is approximately 90% complete.

Star Island Drainage Improvements: Construction of drainage improvements on the island are part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations. The project includes construction of new catchbasins and associated piping. The stormwater will be treated using new gravity wells.

Status: The project is 95% complete.

Venetian Islands Drainage Improvements: Construction of drainage improvements on the islands are part of a comprehensive program of drainage improvement projects, which will alleviate chronic neighborhood flooding situations. The project includes construction of new catchbasins and outfalls with associated piping. The stormwater will be treated using new gravity wells and/or exfiltration trenches.

Status: The project was awarded in August 2013, construction to start in October 2013.

Sunset Harbor Pump Station Upgrades: As a result of changed stormwater regulations, this project will provide a higher level of stormwater service to the Sunset Harbor neighborhood. The project will upgrade three neighborhood pump stations and include seven injection wells (Purdy Ave/Dade Blvd., Purdy Mains, 20th Street/West Ave).

Status: The project is in the construction phase.

48" Outfall at Easement 4180 – 4200 Chase Avenue: Improvements include building a new 48" outfall; traffic control and all ancillary and miscellaneous work. This project will improve the performance of the existing stormwater system and provide adequate flood protection in the area. The proposed improvements to the stormwater system identified at this location based on recommendation in a study requested by the Public Works Department to address localized flooding under current conditions. When completed this project will produce a stormwater system capable of providing a high level of service in the area.

Status: This is a future project.

Belle Island Outfall Replacement: Replacement of three (3) outfall pipes along the Venetian Causeway East Bridge and Farrey Lane. The outfall pipes need to be replaced to complete the Belle Isle Stormwater Improvements, to alleviate the recirculation of water at the easternmost Venetian Causeway Bridge, and to replace the deteriorated outfall pipes.

Status: Phase I was completed and replaced; Phase II is a future project.

Middle North Bay Road Drainage Improvements: This project addresses numerous resident complaints and staff observations regarding a low storm water service level in the neighborhood. Drainage improvements would include additional drainage collection, conveyance, treatment and disposal facilities.

Status: This is a future unfunded project.

Windstorm

Storm Shutters and Protective Glass for City Buildings: To provide protection during a significant weather event.

Status: Project is underway.

Streetlight System Upgrade: When flooding occurs in low areas both residential and commercial, water intrusion occurs inside the bases of the streetlight poles and results in the malfunction of the lighting system. This project improvement will include re-wiring and placing individual fuses at each pole base and eliminate streetlight service interruptions, and damages to the street lighting infrastructure system.

Status: Project is ongoing.

Citywide Dune Enhancement Project: To enhance and restore the City's dune system to retain sand and protect upland structures from storm surges and flooding impacts.

Status: The project is in the Planning Phase.

Talmudic University: Protective storm shutters and impact resistant glass for the Talmudic University located at 4000 Alton Road.

Status: Anticipated completion date is June 2015.

Mount Sinai Hospital: Installation of a generator and two transfer switches at the Gumenick Ambulatory Surgical Center at Mount Sinai Medical Center.

Status: The project is underway.

Other Hazards

Miami Beach Interoperability / Communications / EOC Program: This project includes enhancements to the City's EOC, such as a Computer Aided Dispatch/Records Management System, 911 Workstations, a microwave radio system and PSCU upgrade, etc.

Status: The project is underway.

Citywide Water Infrastructure Improvements: This project will implement the City of Miami Beach Water System Master Plan; the project includes the replacement of aging water lines (60+ years old).

Status: This project is ongoing.

Citywide Stormwater Infrastructure Improvements: The City updated its Master Plan and identified multiple areas that require infrastructure improvements.

Status: This project is being incorporated into the various neighborhood improvement projects.

Citywide Wastewater Infrastructure Improvements: The wastewater lines were built between 1926 and 1956. Many pipes are either beyond or at the end of their useful life. They are being inspected and lined on an as-needed basis. **Status:** This project is ongoing.

Portable Traffic Light Signals: Ten (10) portable traffic signals for emergency situations.

Status: The City is seeking grant and alternate funding for this project.

West Avenue Bridge: To relieve congestion on Alton Road, reduce the volume of local traffic at the busiest intersections and provide a safer venue for road users to access the causeway to Miami.

Status: The project requires a Design Criteria Package to be developed 1st Quarter 2014.

Regional Communication/Command Van: Regional Communications/Command Van for Miami Beach and neighboring barrier island communities. This Regional capability is crucial, in a natural disaster or terrorist incident, as our ability to receive assistance from the mainland could be non-existent. The ability to communicate and continue to operate public safety is crucial in the event of a major incident. As the largest of the barrier island communities, Miami Beach would be in position to provide public safety services to neighboring municipalities and provide command and control for a unified operation.

Status: The City has targeted grant funds and is proposing City Police Confiscation funds for this project.

Recommendations:

1. The City will continue to participate in Miami-Dade County's LMS program and monitor the projects, as needed.
2. The City will continue to have various outreach projects to inform the residents and visitors about hurricanes and floods preparedness and safety.

Please contact me if you need any additional information.

JLM/MT/DM/EC/JW/MF/JMH/MJ
Attachment

Attachment 1

Local Mitigation Strategy Projects Completed Since Fiscal Year 2004/2005

FY 2004/2005

1. Bay Road Streets/Sidewalks Improvements (14th to 16th Streets)

FY 2006/2007

1. Bay Road Drainage Pump Station Close-out
2. Flamingo Box Culverts BP 10A
3. Flamingo Lummus BP 10D Streets / Sidewalks Improvements (Washington Avenue)
4. Miami Beach Golf Course – Drainage Well

FY 2007/2008

1. 7th & 8th Street (BP-10B) Streets / Sidewalks Improvements
2. 16th Street Drainage Improvements
3. Flamingo Lummus BP 10B Streets / Sidewalks Improvements
4. Oceanfront BP 6 Streets / Sidewalks Improvements: Phase I
5. Stormwater System Prairie Avenue
6. Venetian Islands BP 13B – Belle Isle Streets / Sidewalks & Park Improvements

FY 2008/2009

1. 8th Street Spot Flooding Remediation (Hot Spot)
2. Flamingo Neighborhood (Lennox & 6th) Bid Pack 1A

FY 2009/2010

1. 69th Street from Biscayne Bay to Collins
2. Normandy Isle Normandie Sud BP 4 Streets / Sidewalks Improvements
3. Oceanfront BP 6 Streets / Sidewalks – Phase 1B – 40th Street & Collins Avenue

FY 2010/2011

1. Drainage Improvements West 44th Street & Royal Palm
2. Nautilus BP 7 Streets / Sidewalks Improvements
3. Normandy Shores BP 3 Streets / Sidewalks Improvements
4. Oceanfront BP 6 Streets / Sidewalks Improvements: Phase II
5. South Pointe Streetscape Phase II BP 12C Streets / Sidewalks Improvements
6. Stormwater Pipe - Repairs
7. Sunset Islands 1 & 2 Replacement of Two Outfalls
8. Biarritz and Rue Granville
9. Prairie Avenue

FY 2011/2012

1. Waterways Dredging
2. North Bay Road & 4th Street – Drainage Hot Spot
3. Washington Court, Between Washington Avenue & Park Avenue

FY 2012/2013

1. Extensive Repairs to Seawalls – Wofford Park Seawall Repairs
2. Sunset Islands I & II Drainage Improvements
3. South Pointe II Drainage Improvements