



# MIAMI BEACH

TO: Finance and Citywide Projects Committee

FROM: Kathie Brooks, Interim City Manager

DATE: July 9, 2012

SUBJECT: Overview of Citywide Neighborhood Right-of-Way Improvement Projects

The purpose of this memorandum is to provide an overview of the Neighborhood Right-of-Way Improvement projects, their current status and additional funding requests for Fiscal Year 2012-2013.

As neighborhood construction activities escalate throughout the City, certain existing field conditions are manifesting on a more frequent basis which are prompting a re-evaluation to the previously established scope and control budget programmed under each project. Field conditions encountered during construction are revealing the actual state of existing infrastructure. Unforeseen conflicts have developed with franchise utility installations and street lighting conduits. Additionally, unanticipated work generated to replace existing water lines was not originally programmed in the projects, repairs to sewer pipes collapsing during construction, added asphalt milling and resurfacing, as well as placement of additional storm-water systems to address stormwater mitigation not contemplated in the original scope of work are also components which are impacting the cost of construction. These unforeseen conditions are becoming more frequent, impacting construction already underway, and must, therefore, be addressed in order for construction to continue uninterrupted without the incurrance of unforeseen delays and extension of construction timelines. In addition, resident turnover and fresh visions from the community are resulting in additional requests not originally considered in the Basis of Design Reports (BODR), the most significant being, traffic calming requests and revisions to the Atlantic Greenway Network-Bike Master Plan.

Staff is pursuing a proactive plan to help mitigate these impacts prior to the bidding of future neighborhood projects. Design plans developed in the past are being subject to a thorough and rigorous re-evaluation by the Engineering Division of the Public Works Department (PWD) where revisions to meet current regulatory requirements as well as enforcement of engineering criteria originally not contemplated in the BODR's are being applied in a systematic approach for all future neighborhood improvement projects.

The Design Criteria for all projects is being reviewed and modified accordingly. In tandem, all respective budgets are being re-evaluated and projects are being priced out accordingly, prior to the Capital Improvements Office (CIP) initiating the construction administration phase. Amendments to original BODR's for the neighborhoods are also being updated to address current residents' requests and needs.

The following pages provide the detailed information for each neighborhood project requiring additional funding during Fiscal Year 2012/2013 as a result of the aforementioned issues:

1. Bayshore Neighborhood Central Bayshore - Bid Pack A

**Original Scope of work:** The area includes 40th Street, Flamingo Drive, the Sheridan Avenue Multi-Family Neighborhood, and the Central Bayshore Community. This project includes a stormwater system with five (5) pump stations, (5) injection wells, street asphalt overlay, sidewalk repair, swale/planting strip restoration, installation of curb and gutter, enhanced landscaping, drainage upgrades, traffic calming, water main replacement, and improved on-street parking.

**Current Status:** Notice to Proceed was issued October 31, 2011. The project is currently in construction. Overall project is 30% complete and on schedule for completion by October, 2013.

**Additional Funding Requests** **\$4,546,882**

Additional water & sewer and above ground funding is being requested for milling and resurfacing where it is warranted in lieu of the specified roadway asphalt overlay. Water & sewer funding in the amount of \$346,807 is required for the proportional above ground milling and resurfacing associated to the restoration and finishing of the road following the installation water distribution systems in addition to above ground funding in the amount of \$246,006 for the remainder of milling and resurfacing needs. Stormwater funding in the amount of \$3,954,069 is being requested for: a) the installation of valley gutters where needed; b) the relocation of a pump station and the installation of a new gravity well; additional Stormwater collection systems; and c) the installation of a new Stormwater collection system along the perimeter of the golf course and Meridian Ave as well as all proportional milling and resurfacing pertaining to roadway restoration and finishing following stormwater construction.. Included in all funding requests are hard costs, contingency, soft costs and CIP Fees.

<b>Above Ground Funding Request</b>	<b>\$ 246,006</b>
Construction Cost	\$ 197,357
Contingency	\$ 19,846
Consulting/Engineering/Field Services	\$ 15,000
CIP Fees	<u>\$ 13,803</u>
Total	\$ 246,006
<b>Water &amp; Sewer Funding Request</b>	<b>\$ 346,807</b>
Construction Cost	\$ 296,037
Contingency	\$ 29,604
CIP Fees (new scope and adjust to 6.5%)	<u>\$ 21,166</u>
Total	\$ 346,807

<b>Stormwater Funding Request</b>	<b>\$3,954,069</b>
Construction Cost	\$3,425,306
Contingency	\$ 342,531
CIP Fees	<u>\$ 186,232</u>
Total	\$3,954,069

2. Bayshore Neighborhood - Lower North Bay Road - Bid Pack 8B

**Original Scope of work:** This project includes the installation of valley gutters and a stormwater system with two stormwater pump stations, injection wells, street resurfacing, water main replacement and decorative stamped asphalt crossings.

**Current Status:** Notice to Proceed 1 (NTP-1) was issued on August 18, 2011. A Pre-Construction Meeting was held on December 5, 2011. CIP submitted plans for PWD review on December 28, 2011 and received design comments from PWD on the construction set of plans on February 2, 2012. On April 16, 2012 CIP received confirmation from CH2MHILL and PWD stating that tide flex valves will be installed at the outfalls and that other revisions could be made via the record drawings without additional changes to be done to the plans. Phase 1 encroachment letters were sent out on April 24, 2012. The Right of Way permit was issued by PWD on May 22, 2012. The contractor submitted a revised and increased cost estimate for the project on May 30, 2012 which is currently under review by CIP. An approved construction schedule is pending. Issuance of Notice to Proceed 2 is pending approval of cost increases and project schedule. It should be noted that the contractor did not provide all the required submittals after NTP-1 was issued on August 18, 2011.

**Additional Funding Requests** **\$ 828,643**

In addition to the aforementioned revisions, funding is also being requested to address a contractor's proposal for increase in materials and labor prices resulting from Contractor claim of a delayed start of construction. Staff is currently evaluating and negotiating these suggested increases and anticipates that these proposed figures will be reduced through negotiation. . The Additional funding being requested is as follows:

<b>Above Ground Funding Request</b>	<b>\$ 140,144</b>
<b>Water &amp; Sewer Funding Request</b>	<b>\$ 326,394</b>
Construction Cost	\$ 304,223
CIP Fees	<u>\$ 22,171</u>
Total	\$ 326,394
<b>Stormwater Funding Request</b>	<b>\$ 362,105</b>
Construction Cost	\$ 294,651

CIP Fees (new scope and adjust to 6.5%)	\$ 67,454
Total	\$ 362,105

3. Bayshore Neighborhood Lake Pancoast - Bid Pack C

**Original Scope of work:** The area includes Flamingo Drive, Flamingo Place, West 24th Street to Pine Tree Drive, and Lake Pancoast Drive. This project includes street asphalt overlay, sidewalk repair, planting strip restoration, curb and gutter upgrades, enhanced landscaping, entryway features, enhanced street signage, streetlight upgrades, water main rehabilitation on Flamingo Drive, and improved on-street parking.

**Current Status:** Notice to Proceed 2 was issued on October 31, 2011. Construction mobilization commenced on March 2012 with projected twelve (12) month duration. This project is being constructed in tandem with the Central Bayshore A project.

**Additional Funding Requests** **\$ 389,725**

Above ground funding in the amount of \$14,000 and water & sewer funding in the amount of \$28,216 is being requested for additional milling and resurfacing required in lieu of the overlay and more appropriately allocating the proper distribution of above ground funding between water, stormwater and above ground efforts. Stormwater funding in the amount of \$347,509 is being requested for the potential installation of additional valley gutters, swale reclamation and storage. Included in all funding requests are hard costs, contingency, soft costs and CIP Fees.

<b>Above Ground Funding Request</b>	<b>\$ 14,000</b>
<b>Water &amp; Sewer Funding Request</b>	<b>\$ 28,216</b>
Construction Cost	\$ 23,628
CIP Fees	<u>\$ 4,588</u>
Total	\$ 28,216
<b>Stormwater Funding Request</b>	<b>\$ 347,509</b>
Construction Cost	\$ 239,380
Contingency	\$ 20,000
Consulting/Engineering/Field Services	\$ 25,000
CIP Fees (new scope and adjust to 6.5%)	<u>\$ 63,129</u>
Total	\$ 347,509

4. Bayshore Neighborhood Bid Pack E - Sunset Islands 1 & 2

**Original Scope of work:** This project includes roadway reconstruction, planting strip restoration, water line replacement and upgrade, valley gutter installation, stormwater upgrades and the replacement of the subaqueous water main crossing between Sunset Islands 2 & 3.

**Current Status:** Notice to Proceed 2 was issued on December 12, 2011 with construction mobilization scheduled for January 11, 2012. The contractor mobilized on January 12, 2012. Overall project is 40% complete and on schedule for completion by March, 2013.

**Additional Funding Requests**

**\$1,261,337**

Above ground funding is being requested in the amount of \$98,781 for the replacement and relocation of shallow street lights circuits in conflict with ongoing construction. Water & Sewer funding in the amount of \$876,656 is being requested for the installation of sub-aqueous water main crossing (50% of cost), and a bridge water main replacement. Included in all funding requests are hard costs, contingency, soft costs and CIP Fees.

<b>Above Ground Funding Request</b>	<b>\$ 98,781</b>
Construction Cost	\$ 77,292
Contingency	\$ 7,730
Consulting/Engineering/Field Services	\$ 7,730
CIP Fees	<u>\$ 6,029</u>
Total	\$ 98,781
<b>Water &amp; Sewer Funding Request</b>	<b>\$ 876,656</b>
Construction Cost	\$ 525,940
Contingency	\$ 70,000
Consulting/Engineering/Field Services	\$ 50,000
CIP Fees (new scope and adjust to 6.5%)	<u>\$ 230,716</u>
Total	\$ 876,656
<b>Stormwater Funding Request</b>	<b>\$ 285,900</b>
Construction Cost	\$ 212,555
Consulting/Engineering/Field Services	\$ 50,000
CIP Fees	<u>\$ 23,345</u>
Total	\$ 285,900

5. Bayshore Neighborhood Sunset Islands 3 & 4 - Bid Pack D

**Original Scope of work:** This project includes roadway reconstruction, planting strip restoration, water line replacement and upgrade, valley gutter installation and stormwater upgrades and coordination with FPL utility for burying overhead utility lines. The replacement of two existing water main sections mounted on the Sunset Islands 3 & 4 bridges, as well as a 50% share of the cost to replace the sub-aqueous water main crossing between Sunset Island 2 and 3.

**Current Status:** The Design Criteria Package is being prepared. It is scheduled for completion this fall, at which time it will be advertised for a design-build firm to complete.

**Additional Funding Requests**

**\$1,171,500**

Above ground funding in the amount of \$745,500 is being requested for the relocation of shallow street light circuits in conflict with future construction in the amount of \$319,500. In addition, the Sunset 3&4 HOA has also requested the construction of a traffic circle and sidewalks on Sunset Drive, which staff has estimated to be in the amount of \$426,000. Should the Commission choose to incorporate these requests the BODR would need to be amended. Water & Sewer funding in the amount of \$426,000 is also being requested for water mains and appurtenances, as well as additional fire hydrants. Included in all funding requests are hard costs, contingency and CIP Fees.

<b>Above Ground Funding Request</b>	<b>\$ 745,500</b>
Construction Cost	\$ 300,000
Contingency	\$ 400,000
CIP Fees	<u>\$ 45,500</u>
Total	\$ 745,500
<b>Water &amp; Sewer Funding Request</b>	<b>\$ 426,000</b>
Construction Cost	\$ 400,000
CIP Fees	<u>\$ 26,000</u>
Total	\$ 426,000

6. Palm & Hibiscus Islands Enhancements

**Original Scope of work:** The Palm and Hibiscus Neighborhood improvement project includes landscaping / irrigation, street lighting, replacement of existing water main infrastructure, improved storm water drainage collection and disposal infrastructure including swale restoration, curb and gutter and other facilities, street resurfacing/pavement markings, sewer lining and repair, repair and/or extension of existing sidewalks to comply with ADA requirements, incorporation of traffic calming features, and the coordination of the undergrounding of utilities including FPL, ABB and AT&T.

**Additional Funding Requests**

**\$ 449,272**

Stormwater funding in the amount of \$449,272 is being requested to install additional catch basins, pipes and outfalls in order to comply with the new Stormwater Master Plan requirements related to changes in tail water criteria elevations. Included in all funding requests are hard cost, contingency, soft costs and CIP Fees.

<b>Stormwater Funding Request</b>	<b>\$ 449,272</b>
Construction Cost	\$ 371,000
CIP Fees (new scope and adjust to 6.5%)	<u>\$ 78,272</u>
Total	\$ 449,272

7. Venetian Neighborhood - Venetian Islands

**Original Scope of work:** This project includes streetscape, landscaping, lighting, above ground improvements and water line replacements in the following Islands: San Marino, DiLido and Rivo Alto Islands.

**Current Status:** On April 13, 2012, PWD Engineering Division completed the review of the 100% submittal package for Venetian Islands Neighborhood Improvement project. On May 21, 2012, the Parks and Recreation Department approved the 100% submittal package. On June 8, 2012, the Procurement Division issued an Invitation to Bid. Anticipated receipt of bids is July 13, 2012.

**Additional Funding Requests** **\$2,128,424**

Additional funding is being requested for increased construction costs as indicated by latest estimate from Consultant's Opinion of Probable Cost (Items not included in BODR). The additional funding requested is for water & sewer in the amount of \$526,715 and for stormwater in the amount of \$1,601,709. Included in all funding requests are hard costs, soft costs and CIP Fees.

**Water & Sewer Funding Request** **\$ 526,715**

Construction Cost	\$ 450,275
CIP Fees (new scope and adjust to 6.5%)	<u>\$ 76,440</u>
Total	<u>\$ 526,715</u>

**Stormwater Funding Request** **\$1,601,709**

Construction Cost	\$1,357,846
Consulting/Engineering/Field Services	\$ 122,000
CIP Fees (new scope and adjust to 6.5%)	<u>\$ 121,863</u>
Total	<u>\$1,601,709</u>

8. La Gorce Neighborhood Improvements

**Scope of work:** The scope consists of area-wide street Improvements including street resurfacing, swale restoration, repair of sidewalks, targeted street lighting upgrades to correct deficiencies, enhanced landscaping within the street ROW, water main replacement, and targeted storm water improvements.

**Current Status:** PWD is completing the La Gorce Design Criteria Package and will transfer the Administration of the construction to the CIP office who anticipates to request Commission approval to advertise for a design build firm at the September 12<sup>th</sup>, 2012 meeting.

**Additional Funding Requests** **\$4,579,500**

Above ground funding in the amount of \$319,500 is being requested for additional street milling and resurfacing needs. Stormwater funding in the amount of \$4,260,000 is being requested for additional infrastructure required to comply with the new Stormwater Master Plan requirements. Included in all funding



wells, lighting, landscaping, pavement resurfacing within the neighborhood.

**Current Status:** Staff is meeting with the Flamingo Park Neighborhood Association to discuss 16<sup>th</sup> St. improvements. Upon completion of this effort, the City will undertake the design.

**Additional Funding Requests** **\$4,899,852**

Above ground funding in the amount of \$2,041,605 is being requested for the relocation of shallow street light circuits in conflict with future construction. Water & Sewer funding in the amount of \$2,858,247 is being requested for the replacement of all 6" inch cast iron pipe and galvanized services. Included in all funding requests are hard cost, and CIP Fees.

<b>Above Ground Funding Request</b>	<b>\$2,041,605</b>
Construction Cost	\$ 1,917,000
CIP Fees	<u>\$ 124,605</u>
Total	\$ 2,041,605
<b>Water &amp; Sewer Funding Request</b>	<b>\$2,858,247</b>
Construction Cost	\$2,683,800
CIP Fees	<u>\$ 174,447</u>
Total	\$2,858,247

11. West Avenue/ Bay Road Improvements

**Scope of work:** This project includes street resurfacing, swale restoration, repair of sidewalks, street lighting upgrades to correct deficiencies and provide pedestrian lighting, enhanced landscaping within the street ROW, and entryway features.

**Current Status:** West Avenue will be the detour route while FDOT is rebuilding Alton Road. The FDOT work is scheduled for completion in April, 2015. At that time, the City intends to begin the West Avenue Project.

**Additional Funding Requests** **\$3,688,500**

Above ground funding in the amount of \$1,919,109 is being requested for the replacement and relocation of shallow street lights circuits in conflict with future construction. Water & Sewer funding in the amount of \$1,769,391 is being requested for the replacement of all 6" inch cast iron pipe and galvanized services. Included in all funding requests are hard costs, and CIP Fees.

<b>Above Ground Funding Request</b>	<b>\$1,919,109</b>
Construction Cost	\$1,801,980
CIP Fees	<u>\$ 117,129</u>
Total	\$1,919,109

<b>Water &amp; Sewer Funding Request</b>	<b>\$1,769,391</b>
Construction Cost	\$1,661,400
CIP Fees	<u>\$ 107,991</u>
Total	\$1,769,391

12. Sunset Harbor Neighborhood Pump Station Upgrades

**Scope of work:** This project includes construction of four injection wells, rehabilitation of two pump stations, and the replacement of a third pump station.

**Current Status:** The Notice To Proceed for the first construction phase has been issued. The NTP for the second phase will be issued upon receipt of funding.

**Additional Funding Requests** **\$1,917,000**

Stormwater Funding in the amount of \$1,917,000 is being requested to replace Sunset Harbor Pump Station No.3, which is scheduled for rehabilitation. Upsizing in order to provide a 5 yr level of service under the new storm criteria Included in all funding requests are hard costs, and CIP Fees.

<b>Stormwater Funding Request</b>	<b>\$1,917,000</b>
Construction Cost	\$1,800,000
CIP Fees	<u>\$ 117,000</u>
Total	\$1,917,000

<b>FISCAL YEAR 2012/2013 CAPITAL IMPROVEMENTS FUNDING REQUESTS</b>	
<b>Total Additional Above Ground Funding Request</b>	<b>\$ 7,441,645</b>
<b>Total Additional Water &amp; Sewer Funding Request</b>	<b>\$ 9,842,226</b>
<b>Total Additional Stormwater Funding Request</b>	<b>\$13,177,564</b>

In addition La Gorce Island has requested above ground milling and resurfacing, water and stormwater improvements in the amount of \$3,594,375 with 1,078,300 for above roadway work, \$175,375 for stormwater work and \$2,340,700 for water work respectively. Improvements for this neighborhood are programmed (but not appropriated) in the currently adopted in the Capital Improvement Plan under "Future Years" in the amount of \$350,000 for milling and resurfacing. The potential for utilizing

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future PTP appropriations to offset the impacts to the above ground funding can be discussed during the Finance and Citywide Projects Committee (FCWCP) on July 9<sup>th</sup>, 2012, as part of the capital prioritization discussion.

## FUNDING

Consideration of above ground funding needs for all projects discussed in this memorandum will be part of the capital prioritization discussion at the July 9, 2012 FCWPC meeting. Water and sewer funding needs as well as stormwater funding needs will also be presented to the FCWCP later this summer in concert with discussions on bonding requirements and rate impacts.

  
KGB/JGG/FV/FHB

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