

DRAFT
City of Fort Lauderdale
Infrastructure Task Force Committee

November 6, 2017
8th Floor City Commission Room – City Hall
Fort Lauderdale, FL 33301

		January-December 2017	
MEMBERS		PRESENT	ABSENT
Marilyn Mammano	P	8	0
Ed Kwoka	P	7	1
Ralph Zeltman	P	8	0
Keith Cobb	P	6	2
Leo Hansen	P	6	1
Roosevelt Walters	P	8	0
Fred Stresau	P	7	1
Norm Ostrau	P	5	1
Dave Orshefsky	P	5	0

Staff Present

City Manager, Lee Feldman
Public Works Director, Paul Berg
Deputy Public Works Director, Alan Dodd
Administrative Assistant II, Meredith Shuster
Prototype-Inc. Recording Secretary, Lian Chan

Roll was called at 2:10 p.m. and a quorum was established.

Communication to the City Commission

1. Member Edward Kwoka made the motion, seconded by member David Orshefsky recommending the City Commission adopt a new stormwater rate methodology based upon the trip generation cost apportionment and recommends using the bond validation process immediately thereafter to validate said methodology. This recommendation is made with the provision that there be no transfer of stormwater enterprise funds into the General Fund other than for direct expense recovery and to exclude ROI.

In a voice vote, the motion carried unanimously.

**City of Fort Lauderdale
Infrastructure Task Force Committee
July 2, 2018
8th Floor City Commission Room – City Hall
Fort Lauderdale, FL 33301**

		January-December 2018	
MEMBERS		PRESENT	ABSENT
Marilyn Mammano	P	14	1
Ed Kwoka	P	13	2
Ralph Zeltman	P	15	0
Keith Cobb	A	9	6
Roosevelt Walters	P	14	1
Fred Stresau	A	12	3
Norm Ostrau	P	12	1
David Orshefsky	P	12	0

Staff Present

Lee Feldman, City Manager
Nancy Gassman, Interim Deputy Public Works Director
Raj Verma, Staff Liaison for the Infrastructure Task Force
Pauline Ricketts, Administrative Aide
Michael Mitchell, Prototype-Inc. Recording Secretary

Roll was called at 2:05 p.m. and a quorum was established.

Four key recommendations listed hereafter were made by the Infrastructure Task Force (“ITF”) at its regular meeting on July 2, 2018. In addition, the ITF Executive Summary and its draft Interim Report to the City Commission is attached for your review.

Communication to the City Commission

1. Water and Sewer:

Member Ed Kwoka made the motion, seconded by member Norm Ostrau recommending to the City Commission that the rate-based monies of the Water and Sewer fund (and other utility systems, including storm-water) should remain available only internally to fund some of the infrastructure needs of those utility systems, and should not, via the Return on Investment (“ROI”), be used to offset other City general costs funded through the General Fund; provided however, if the use of ROI mechanism is to be phased out over time, that the phase-out period not exceed 4 fiscal years.

- a. In a roll call vote: Ayes: Ed Kwoka, Ralph Zeltman, Roosevelt Walters, Norm Ostrau, David Orshefsky, Fred Stresau
Nays: Marilyn Mammano
Motion passed

2. Stormwater:

Member Norm Ostrau made the motion, seconded by Ed Kwoka recommending that the City Commission approve a revised methodology for storm water utility rates, based on a traffic-based methodology, in order to allow for sufficient rate-based funds to implement the current Storm Water Master Plan; provided that such additional funds are not subject to any ROI-based transfer to the General Fund.

- a. In a roll call vote: Motion passed unanimously

3. Roads, Sidewalks, and Seawalls:

Member Ed Kwoka made the motion, seconded by member Roosevelt Walters recommending the City Commission; Establish minimum annual General Revenue funded capital contributions to the City's CIP to support the City's broader infrastructure needs, ranging in size from 7-10% of the General Fund operating expenses.

- a. In a voice vote: Motion passed unanimously

4. Impact Fees:

Member Norm Ostrau made the motion, seconded by Ed Kwoka recommending that the City Commission regularly analyze and update its impact fee structures and fees to ensure that new development is paying 'its fair share' of future infrastructure costs.

- a. In a roll call vote: Motion passed unanimously

Member Norm Ostrau made the motion, seconded by member David Orshefsky to transmit the Executive Summary and Transmittal to the City Commission in time to be walked on for the July 10, 2018 City Commission Meeting.

- a. In a voice vote the Motion passed unanimously

Exhibits:

- 1. Transmittal, Dated July 5, 2018
- 2. Executive Summary
- 3. Draft Interim Report



TRANSMITTAL

Date: July 5, 2018

To: Honorable Mayor & Commissioners

From: Raj Verma, Staff Liaison

On Behalf of: The Infrastructure Task Force Committee

Re: Infrastructure Task Force Committee's Executive Summary and Draft Interim Report

Beyond the Communication to the City Commission recommendations dated July 2, 2018, the ITF's work continues. There are several additional master plans that are not yet completed, or that have yet to be presented to the ITF including:

- A Seawall Master Plan dated February, 2018
- Parking Master Plan, which is currently due to be completed in June, 2018
- An update to a previous space needs analysis of police headquarter/jail for potential implementation to replacement of the existing police facilities
- A new water and sewer rate study expected to be completed in September, 2018

Additionally, there is another set of funding mechanisms that need to be further reviewed and analyzed:

- Use of General Obligation Bonds
- Use of area-specific, or infrastructure specific, Special Assessments
- The potential for use of alternative or innovative financing mechanisms, such as contractual funding mechanisms (e.g.: sales/leasebacks) or public/private partnerships to fund larger or collaborative infrastructure and facility needs
- Use of available local-option gas tax revenues to fund the City's transportation needs

The ITF will continue its efforts, and will further report to the City Commission as necessary and appropriate.

C: Stanley D. Hawthorne, Assistant City Manager
Christopher J. Lagerbloom, ICMA-CM, Assistant City Manager
Alain E. Boileau, City Attorney
Jeffrey A. Modarelli, City Clerk
John C. Herbst, City Auditor
Department Directors
CMO Managers
Rhonda M Hasan, Assistant City Attorney

Exhibit 1
Communication to City Commission
Transmittal Dated July 5, 2018

EXECUTIVE SUMMARY

INTRODUCTION

Created in March, 2017 the Infrastructure Task Force (“ITF”) Committee was tasked to:

- A. To review existing City infrastructure, including, but not limited to: roads, sidewalks, airports, seawalls, water and wastewater distribution and collection systems, treatment plants, well fields, parks and all City facilities and structures and examine their current condition; and
- B. To review and identify the repair or replacement as well as review and identify funding sources and financing alternatives for those infrastructure improvements

City Resolution 17-46.

In May, 2018 during its priority setting retreat, the City Commission asked that the ITF develop interim recommendations focused on near-term solutions – within the next 3 to 5 years—related to specific infrastructure elements: water, sewer, storm water, roads, sidewalks, and seawalls.

Other infrastructure challenges, such as sea level rise, bridge replacements (as well as other City facilities) were acknowledged to be longer-term in nature, and were directed to be reserved for later ITF reports.

Based on efforts to date, including review of available mater plans and existing funding sources as well as a number of neighborhood outreach meetings, the ITF has developed a series of interim recommendations. The recommendations are outlined below. The attached full **draft** report provides greater detail and discussion. The attached Appendices provide further supportive materials

INTERIM RECOMMENDATIONS

The ITF's interim recommendations are as follows, organized by infrastructure element:

1 Water/Sewer

Following significant failures relating to the sewer system in 2016, the City entered into a Consent Order with the Florida Department of Environmental Protection ("FDEP") which establishes obligations: to repair or replace a series of major sewer system elements; and to within the next 2 years inspect the City's sewer system to determine whether additional improvements to the system will be necessary.

The water and sewer systems' immediate capital needs have been met by the City's sale of \$200 million in revenue bonds in March of 2018. These funds will be expended on the systems in the next 3-5 years.

Additional or future (beyond 5 years) system needs -- planned or emergency -- are not currently funded, but are intended to be funded externally: with additional issues of future revenue bonds.

Funds that could be available internally to the water and sewer funds are currently being transferred out of these funds to the General Revenue fund through a Return on Investment ("ROI") mechanism.

The ITF believes funds available to the water and sewer (and other) utility funds should remain available to those funds for their future capital needs. Accordingly, the ITF recommends that the City Commission:

- **End the use of the ROI mechanism to transfer monies to the General Fund.**

The ITF recommends that the rate-based monies of the water/sewer funds (and other utility systems, including storm-water) should remain available only internally to fund some of the infrastructure needs of those utility systems, and should not, via ROI, be used to offset other City general costs funded through the General Fund; provided however, if the use of ROI mechanism is to be phased out over time, that the phase-out period not exceed 4 fiscal years.

If the Commission agrees with this recommendation, the ITF recommends that the Commission replace the loss of current ROI fund transfers to the General Fund with either: additional ad valorem taxes/revenues or reductions in General Revenue expenses (if possible); or a combination of both.

2 Storm water

The City's current storm water planning (latest update dated January, 2018) is focused on implementing storm water facilities in 7 priority neighborhoods identified by previous studies. The improvements designed for these 7 neighborhoods are estimated to cost between \$150-200 million, which is proposed to be funded by the issuance of revenue bonds supported by storm water utility rates.

Analysis of current storm water rates indicates that the current rate structure is not sufficient to support the debt levels necessary to fund the identified improvements. As a result, the City has analyzed a series of alternative rate structures and methodologies, which would generate sufficient monies to support, needed funding. Accordingly, the ITF recommends that the City Commission:

- **Approve a revised methodology for storm water utility rates, based on a TRIPS- or traffic-based methodology, in order to allow for sufficient rate-based funds to implement the current Storm Water Master Plan; provided that such additional funds are not subject to any ROI-based transfer to the General Fund.**

It must be noted that this set of storm water improvements, for the initial 7 neighborhoods, is just that: the first set of needed storm water improvements. Additional improvements will be necessary in the future.

3 Roads, Sidewalks, and Seawalls

Roadway capacity, traffic congestion, and sidewalk conditions consistently score in the top levels of concerns in the City's annual Neighborhood Surveys.

The ITF believes these infrastructure areas should be funded at higher, annually consistent levels from General Revenue -- through contributions to the General Fund Capital Projects Fund which is the primary, and sometimes only, source of funding for these infrastructure needs. This could allow, for example, for longer term additional roadway repair and resurfacing activities over the 5-year horizon of the City's Capital Improvement Plan ("CIP") -- the mechanism the City uses for capital funding and its programming.

Current General Revenue contributions to capital projects have varied significantly over the last several years: From \$8.7 million in FY 2016, to \$25.8 million in FY 2018 (including a one-time \$13 million injection of funding based on the sale of City surplus property).

The ITF recommends this annual contribution from the General Fund to general capital projects be stable and recurring, in order to allow for both improved capital planning and certainty of funding.

By way of context, as of FY 2018's CIP, the total amount of general capital projects planned and programmed for FY 2018-2022 was: \$ 98.8 million, of which only approximately \$55 million was funded either previously (prior fiscal years) or currently (FY 2018). The currently unfunded amounts for these same projects was \$221.9 million

Accordingly, the ITF recommends that the City Commission:

- **Establish minimum annual General Revenue funded capital contributions to the City's CIP to support the City's broader infrastructure needs, ranging in size from 7-10% of the General Fund operating expenses**

The overall purpose of this recommendation is to begin to have the City reverse a history of dis-investment in the City's infrastructure, with the overall goal to become more proactive as to current and future city on-going infrastructure needs.

4 Impact Fees

The City's impact fee structure has not been updated since 2005.

Accordingly, the ITF recommends that the City Commission:

- **Regularly analyze and update its impact fee structures and fees to ensure that new development is paying 'its fair share' of future infrastructure costs.**

As the City's infrastructure needs evolve and increase over time, it is recommended that the City update its impact fee mechanisms to keep pace with demands of new development's infrastructure demands within the City.

NEXT STEPS

Beyond these interim recommendations, the ITF's work continues.

There are several additional master plans that are not yet completed, or that have yet to be presented to the ITF including:

- A Seawall Master Plan dated February, 2018
- Parking Master Plan, which is currently due to be completed in June, 2016

- An update to a previous space needs analysis of police headquarter/jail for potential implementation to replacement the existing police facilities
- A new water/sewer rate study expected to be completed in September, 2018

Too, there is another set of funding mechanisms that need to be further reviewed and analyzed:

- Use of General Obligation Bonds
- Use of area-specific, or infrastructure specific, Special Assessments
- The potential for use of alternative or innovative financing mechanisms, such as contractual funding mechanisms (e.g.: sales/leasebacks) or public/private partnerships to fund larger or collaborative infrastructure and facility needs
- Use of available local-option gas tax revenues to fund the City's transportation needs.

The ITF will continue its efforts, and will further report to the City Commission as necessary and appropriate.

INTERIM REPORT

INTRODUCTION

Establishment of the ITF. The Infrastructure Task Force (“ITF”) Committee was created by the City Commission in March, 2017, in response to concerns about the City’s infrastructure. These concerns related to a number of areas: the age and the need for upgrading and replacement of the City’s infrastructure assets; the availability and effectiveness of those assets to address the demands of growth of City; and, significantly, the City’s experience with major sewer systems catastrophic failures in the latter half of 2016 which resulted in a series of major spills of untreated sewage.

The ITF’s initial enabling Resolution – Resolution # 17-46, adopted March 7, 2017 **[CHECK]** -- provided for both the composition of the ITF and it’s scope of inquiry.

As to scope, the City Commission directed the ITF to:

Section 2. Purpose and Duties.

That the purpose and duties of the Infrastructure Task Force shall be as follows:

- A. To review existing City infrastructure, including, but not limited to: roads, sidewalks, airports, seawalls, water and wastewater distribution and collection systems, treatment plants, well fields, parks and all City facilities and structures and examine their current condition; and
- B. To review and identify the repair or replacement as well as review and identify funding sources and financing alternatives for those infrastructure improvements; and
- C. To receive input from members of the public interested in infrastructure improvements within the City; and
- D. To provide a report with recommendations to the City Commission regarding improvement priorities as well as financing alternatives for said improvements.

Resolution 17-46. **[CHECK]**

As to the term of the ITF, the City Commission has provided for the ITF to continue until: March 7, 2020. Resolution # 17-281, adopted December 19, 2017. **[CHECK]**

THIS DRAFT HAS NOT YET BEEN APPROVED BY THE ITF. NOR HAS THE LANGUAGE IN THIS DRAFT BEEN CONFORMED TO THE APPROVED MATERIALS REVIEWED BY THE ITF ON JULY 2, 2018. FURTHER ITF DISCUSSION AND ACTION ON THE DRAFT, IF ANY, IS INTENDED FOR FUTURE ITF MEETINGS.

ITF Efforts To Date. In the little more than a year since the ITF was created, the ITF has reviewed, in some detail, most of the City's plans relating to infrastructure including: the City's 30 year water and sewer infrastructure plan; the master plans relating to parks; and the current investigative efforts by the City to address the needs of its aging facilities under the '40 Year Inspection' requirements under Broward County regulations; among others.

Plans. The plans reviewed have ranged in scope from 30-year master plans establishing the needs for entire systems or infrastructure requirements (e.g.: water/sewer needs and parks), to shorter-term plans – with 5-10 year time horizons (e.g.: for roads and sidewalks). Also reviewed were plans that are still on-going -- such as the 40 Year Inspections of City facilities.

Accordingly, and not surprisingly, the various planning data available to define the City's infrastructure needs is varied, of different scopes, and is an on-going process. Planning efforts for the City's infrastructure needs will obviously continue. Most of the plans reviewed and available to the City detailed infrastructure needs and costs are available on the Public Works web link at: <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans>. *CONFIRM LINK*

Funding. In addition to reviewing the available planning documents, the ITF has also tried to review and understand the capital funding processes available to the City.

The range of funding options available to the City is fairly broad - from ad valorem taxes, to the use of the City's Capital Improvement Plan ("CIP") process to 'program' the City's capital expenditures over 5 year periods. Also reviewed was the availability of various debt-funding mechanisms – both General Obligation debt, as well as the possible issuance of Revenue Bonds based on available user-rate based mechanisms available in the water/sewer/storm-water utilities areas.

Again, not surprisingly, the ITF has found that the City's currently available funding sources – in the aggregate and in the absence of potential, as yet unapproved, future General Obligation bonds -- have generally proved insufficient to fully fund currently indentified infrastructure needs.

Outreach. During the month of March 2018, the ITF undertook a series of 'outreach' meetings, in various districts within the City, to solicit input from the public as to their concerns about the City's infrastructure. The responses varied, not surprisingly, by the location and needs of the various districts.

What was surprising was the potential level of public support for paying for additional infrastructure costs; including support for both ad valorem increases, as well as support for General Obligation bonding of longer-term needs such as park

improvements. While not definitive or scientific, these anecdotal experiences indicate that the City's resident may be supportive of paying for additional infrastructure costs.

See the attached **Appendix "A"** – "Summary of Outreach Meetings", for more information about the ITF's outreach efforts, including anecdotal comments.

INTERIM RECOMMENDATIONS

Based on feedback received during the City Commission's policy retreat in May 2018, the Commission has requested ITF to provide 'near-term'/3-year interim recommendations related to the following major infrastructure areas (NOT listed in order of importance):

- Sewer
- Potable Water
- Storm water
- Roads (specifically 'physical' or 'asphalt'-type issues)
- Seawalls

In the longer-term (beyond 3 years) the Commission also asked that the ITF to consider, but not necessarily make current recommendations about, infrastructure issues related to sea-level rise.

Below, organized generally by infrastructure area or by funding source, the ITF makes the following interim recommendations.

A. Sewer/Potable Water.

Background. Issues with respect to water and sewer capacity and the aging and failing nature of these City infrastructure elements - in the downtown and other areas – was a major initial impetus for the creation of the ITF.

Of particular note in this area were the catastrophic failures of major City sewer facilities in the latter half of 2016, which resulted in a series of significant spills of untreated sewage. These spills garnered the attention of the Florida Department of Environmental Protection ("FDEP") and resulted in the beginning of an enforcement action against the City for the spills.

This action has now resulted in the City's entering into of a Consent Order with FDEP, which was approved by the City Commission in September, 2017. **CONFIRM** This Consent Order generally: (i) provides for the inspection of the City's major sewer service systems (e.g.: sewer force mains and pump stations) to determine

whether there are more sewer system elements which are in need of repair or replacement; and (ii) requires the repair or replacement of at least \$97M worth of sewer system elements.

See the attached **Appendix “B”** – “FDEP Consent Order”, for detail about the City’s obligations under the Consent Order.

- **Plans.** A major, long-term 30-year planning study with respect to the City’s water and sewer infrastructure needs and been issued and presented to the Commission.

This study, formally known as the “Comprehensive Utility Strategic Master Plan”, was presented to the Commission on **XX, XXXX [NEED DATE]**. More easily referenced as the “Reiss Report”, this water/sewer master plan reflects the need for more than \$1 billion of water and sewer improvements over the next 30 years.

The Reiss Report is available here: <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans> (Reiss Report as accepted by the City Commission 2017/02/17). While identifying ‘needs’ over the next 30 years – some of them classified as urgent – the Reiss Report makes only limited recommendations as to available funding sources.

- **Funding.** City funding sources for water and sewer needs are primarily based on utility rates charged to users – both individual users and municipal ‘bulk’-users serviced by the City’s regional system(s). These ‘rate-based’ funds are available to the various City ‘enterprise funds’ related to water, sewer, storm water utilities, as well as some other City services. There are several such City enterprise funds – including a parking enterprise fund.

These ‘rate-based’ enterprise fund monies (collected from the users of the systems) can be used to fund water/sewer (or other utilities’) capital infrastructure needs in a number of ways: (i) internally, within the utility funds themselves (a ‘pay-as-you-go’-type mechanism); or (ii) to support Commission-approved revenue bonds to fund the systems’ capital needs using bond debt; or (iii) a combination of both.

The City’s current approach is to fund the water/sewer systems’ capital needs externally, through revenue bonds sold to the bond markets. The last such revenue bond, floated and funded in earlier this year in February/March, 2018, was in the amount of \$200M. These 2018 bond funds have now been allocated by the City to specific projects, and will be used to fund the City’s water and sewer capital infrastructure needs over the next 4-5 years; including the work required under the Consent Order.

As a result of this 2018 revenue bond funding, the near-term funding needs for water/sewer systems have been met. Additional funding needs for these systems,

either as required under the terms of the Consent Order, or based on the longer-term needs identified in the Reiss reports have yet to be estimated or formalized. The City's current intention as to future funding needs is understood to be issuance of additional revenue-bonds approximately every 5 years as-needed.

See the attached **Appendix "C"** – a June 2018 analysis of the use of the March 2018 bond funds and their allocation to Consent Order, the Reiss Report priorities, and other water/sewer needs. **Note:** Approximately \$55+ million of the bond funds were allocated to 'deferred' or otherwise 'now-funded' water/sewer projects, including the Five Ash Water Plant.

See the attached **Appendix "D"** – a November, 2017 "City of Fort Lauderdale Water and Sewer Bonds - Comparison of Level Debt and Aggregate Level Debt Structures", for more information about the City's approach to future debt for Water/Sewer revenue bonds including the ability: to potentially free "rate-based" cash flows to fund future improvements with cash instead of additional debt, and to potentially lower the cost of financing on future debt issuances.

- **ROI.** As part of the consideration of funding mechanisms available to fund water/sewer needs (both current and future), it has to be noted that the 'rate-based' enterprise funds have generally been subject to the City's use of a Return on Investment ("ROI") mechanism to transfer monies away from the water/sewer (and other rate-based) funds to support the City's General Revenue needs, thus reducing pressure on ad valorem tax rates.

This ROI transfer away from utility funds has the effect of reducing the utility funds' ability to internally fund (or partially fund) the utilities' infrastructure needs – the 'pay-as-you go'-approach -- thus forcing a greater reliance on bonded debt (and its attendant interest costs) to finance infrastructure needs.

This financing approach, both the use of revenue bonds and the current ROI transfers is supported, as to cash flow, by annual 5% increases in the water/sewer rates charged to users. This annual increase has the effect of allowing for increases in revenue flows to support both bonded debt and potential ROI transfers.

ITF Water/Sewer Interim Recommendations.

With respect to Water/Sewer infrastructure needs the ITF recommends as follows:

- **End the use of the use of the ROI mechanism to transfer monies to the General Fund.**

The ITF recommends that the rate-based monies of the water/sewer funds (and other utility systems, including storm-water) should remain available internally to

fund some of the infrastructure needs of those utility systems, and should not, via ROI, be used to offset other City general costs funded through ad valorem taxes and the General Fund.

This is particularly true for the water/sewer utility funds given that the Reiss Report anticipated the need for significant additional expenditures within the first 5 years following the study (FY 2017- FY 2021):

“The Central Regional/Wastewater Fund (Fund 451) and Water/Sewer Master Plan Fund (Fund 454) are the two main accounts the City uses to fund wastewater projects. The rates and fees the City charges for water/wastewater services replenish the Fund 451 and Fund 454 account.

The City’s current wastewater system, while functional, requires immediate attention particularly with respect to reducing I/I and preparing for sea level rise. Most of the City’s collection system pipes are over 50 years old and reaching service life end. Based on the analysis in Table WW9- 1 above, the City has a five year funding gap of \$151M for wastewater.”

Reiss Report, page 682. The bulk of the Reiss identified ‘first 5 year’ wastewater needs have now been funded with the proceeds of the 2018 revenue bonds.

The referenced Reiss Table, WW9-1, also shows additional Reiss-defined funding shortfalls, based on the then identified and recommended FY 2017-2022 5-year needs, in the approximate amount of \$300M for those fiscal years – of which approximately \$137M are related to potable water needs. See attached **Appendix E** -- “Reiss table WW9-1”.

Thus, the ITF recommends that water/sewer and other ‘rate-based’ monies, instead of being transferred to the General Fund via ROI, should rather begin to be ‘banked’ (or otherwise accumulated within the relevant funds) in anticipation of the need for additional future capital infrastructure expenditures, or the funding of ‘emergency’ repairs which may arise.

The Reiss report was apparently similarly concerned to try to ‘re-capture’ ROI-transferred dollars for the use and benefit of the utility fund(s):

“The City is transferring over \$20 million a year collected from residents’ water and sewer bills and using the money to cover other City expenses. This is the first source of funding to add to help cover the [wastewater] funding gap. The City should also pursue federal funding for the planned, energy conserving oxygen generation system to help offset the customers costs.”

Reiss Report, page 682.

In addition to the Reiss-identified needs, under the Consent Order with FDEP the City is required to conduct an inventory and assessment of its sewer systems to determine whether additional remedial actions will be required. These additional FDEP-mandated investigations are due to be generally concluded and to be made available for FDEP review within the next 2 years. Although not yet certain, it is possible that this set of Consent Order mandated investigations will yield the need to make additional sewer system improvements – particularly given the age of some of the sewer system’s constituent components.

If the Commission agrees with this recommendation, the ITF recommends that the Commission replace the loss of current ROI fund transfers to the General Fund with either: additional ad valorem taxes/revenues or reductions in General Revenue expenses (if possible); or a combination of both.

B. Storm Water.

Background. Issues with respect to the storm water infrastructure needs of the City have risen in prominence in the as a result of both (i) past neighborhood flooding and the dearth of storm water infrastructure facilities in certain areas of the City, and (ii) more recent concerns relating to future global warming and sea-level rise.

- Plans. The current Storm Water Master plan generally has a 7 ± planning horizon *[CONFIRM]*, and is available here: <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans>. *CONFIRM LINK*

This plan only addresses the needs for storm water facilities in a set of specific 7 ‘high-priority’ neighborhoods within the City, with estimates of needed funding ranging between \$150-200M for the implementation of these identified storm water improvements. *[CONFIRM, NEED REFERENCE]*

- Funding. Currently available City sources for storm water funding needs are based on existing storm water utility rates charged to users (similar to the approach used for water/sewer). The methodology for these existing rates has not been revised since *XXXX [need citation/info]*.

This current storm water rate methodology, as determined by the City’s utility rate consultant (Stantec), is insufficient to fund the needs of the 7 neighborhoods identified in the Storm Water Master plan without the need for significant increases in monthly storm water user fees.

The City administration has therefore studied alternative rate methodologies that could serve not only to update the storm water utility’s rate structure, but also to

expand the rate-based monies flowing into the storm water utility enterprise fund. This update to the rate structure would allow support of proposed revenue bonds sufficient to fund the currently identified set of needed storm water infrastructure improvements.

ITF Storm Water Recommendations.

With respect to Storm Water infrastructure needs the ITF recommends as follows:

- Approve a revised methodology for storm water utility rates, based on a TRIPS- or traffic-based methodology, in order to allow for sufficient rate-based funds to implement the current Storm Water Master Plan; provided that such additional funds are not subject to any ROI-based transfer to the General Fund.

The shift to a TRIPs/traffic-based rate methodology will allow for the expansion of the storm water rate base, will allow for increases in funding streams sufficient to support an initial bonding capacity to fund the Storm Water Master Plan, and will more effectively and efficiently spread the costs of the storm water system to both residential and non-residential users.

The ITF further recommends: (i) that any additional storm water utility monies or funding streams which become available not be subject to any ROI transfers; and (ii) that once approved, the new storm water rate methodology be court-validated for bonding purposes, and then utilized to float revenue bonds sufficient to fund the current Storm Water Master Plan's improvements to the 7 identified neighborhoods.

- Consider use of the storm water fund monies to fund repair or replacement of City-owned seawalls related to storm water management, if appropriate.

The ITF would note that, in certain instances, the repair or replacement of City-owned seawalls might be necessary or important to the provision of effective storm water management. Currently, City-owned seawall capital needs are generally funded annually or episodically through the use of General Fund revenue allocations.

In some likely future instances, in order to allow for effective storm water management, it may be appropriate to use storm water utility monies to fund necessary storm water management-related seawall installation or repairs. This funding approach for certain City-owned seawalls might allow for a more effective implementation of storm water management needs.

C. Roads/Sidewalk/Seawalls.

Background. Capital infrastructure needs and funding sources for non-utility, non-rate-based infrastructure needs of the City – including roads, sidewalks and seawalls, among others -- are analyzed and addressed slightly differently than the funding approach(es) discussed above.

The various planning studies and needs analyses are basically the same, but the planning materials and data here are generally, but not always, based on shorter 5-10 year planning/needs analyses rather than the longer time horizons generally used for the utility studies.

- Plans. The planning studies for these types of infrastructure are also generally available on the Public Works web page, <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans> , or the Parks web page as it relates to the parks or public facilities for which Parks is responsible. [ADD PARKS LINK]

For studies about roads, sidewalks and bridges: see here e.g.: the Bridge Master Plan <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans> and here for the longer-term Parks Master plan. . [ADD PARKS LINK]

A master plan for seawalls has only just recently been finished – February, 2018 – and has not yet been presented or discussed with the ITF.

- Funding. The funding mechanisms for non-utility, non-user rate-based infrastructure are different from those of utilities, and generally broadly fall into 2 main (although not exclusive) categories:

1. Funding provided by direct annual allocation of ad valorem General Revenues via the Commission-approved General Revenue budgets or by project-level approvals also funded as part of the annual budget process; and

2. Funding provided by long-term General Obligation bonding authority approved by the voters by bond referendum.

These types of general capital infrastructure needs are funded primarily by annual budget requests of the Commission for funding via the City's Capital Improvement 5-year Plan ("CIP"). An example of a current FY 2019 departmental CIP request by Public Works is attached as **Exhibit F**—"FY 2019 Public Works CIP Request".

Currently established City policy sets a goal to contribute an annual minimum of 1% of General Fund 'operating expenses' to the City's CIP from general revenue sources. For FY 2018 this established 1% goal would have been \$ 3.3 million.

The City's actual annual general revenue contribution to the CIP, however, have been larger and have varied significantly year-to-year: from \$8.7 million in FY 2016 (2.8% of operating expenses) to \$14.4 million in FY 2017 (4.4% of operating expenses), and to \$25.8 million in FY 2018 (7.0% of operating expenses, including a one-time addition of \$13 million based on the sale of surplus City property).

ITF Roads/ Sidewalks/ Seawalls Interim Recommendations.

Roadway capacity, traffic congestion, and sidewalk conditions consistently score in the top levels of concerns in the City's annual Neighborhood Surveys. These infrastructure areas could be funded at higher, annually consistent levels. This could allow, for example, for longer-term additional roadway repair and resurfacing activities over the 5-year horizon of the CIP.

As an example a July, 2014 "Sidewalk Inspection and Management System" report, outlines a 5-year process for the inspection and repair of sidewalks with a then estimated cost of almost \$16 million. <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans>.

Accordingly, with respect to roads and sidewalks or other general City infrastructure needs the ITF recommends as follows:

- Establish minimum annual General Revenue funding contributions to the City's CIP to support the City's broader infrastructure needs, ranging in size from 7-10% of the General Fund operating expenses

The City's ad valorem real estate tax rate has remained the same for approximately the last 10 years. The City's infrastructure needs, however, have not remained static. Indeed the opposite, given the need to respond to both the City's growth, and the need to replace and repair aging infrastructure.

The ITF believes these general infrastructure needs should be funded at higher, annually consistent levels from General Revenue-- through the City's General Fund Capital Projects Fund which is the primary, and sometimes only, source of funding for these infrastructure needs. This could allow, for example, for longer term additional roadway repair and resurfacing activities over the 5-year horizon of the City's Capital Improvement Plan ("CIP") -- the mechanism the City uses for capital funding and its programming.

The ITF would like to see this annual contribution from the General Fund to capital projects be stable and recurring, in order to allow for both improved capital planning and certainty of funding.

As of FY 2018's CIP, the total amount of general capital projects planned for FY 2018-2022 was: \$ 98.8 million. The unfunded amounts for these same projects was \$221.9 million

The overall purpose of these recommendations is to begin to have the City reverse a history of dis-investment in the City's infrastructure, with the overall goal to become more proactive as to current and future city on-going infrastructure needs.

D. IMPACT FEES

The City's impact fee structure has not been updated since 2005. *[CONFIRM]*

Accordingly, the ITF recommends that the City Commission:

- Regularly analyze and update its impact fee structures and fees to ensure that new development is paying 'its fair share' of future infrastructure costs.

As the City's infrastructure needs evolve and increase over time, it is recommended that the City update its impact fee mechanisms to keep pace with demands of new development's infrastructure demands within the City.

NEXT STEPS

Beyond these interim recommendations, the ITF's work continues

There are several additional master plans that are not yet completed, or that have yet to be presented to the ITF including:

- A Seawall Master Plan dated February, 2018
- Parking Master Plan, which is currently due to be completed in June, 2016
- An update to a previous space needs analysis of the police headquarter/jail for potential implementation in the future to replace the existing police facilities

Too, there is another set of funding mechanisms that need to be further reviewed and analyzed:

- Use of General Obligation Bonds
- Area-specific, or infrastructure element specific, Special Assessments
- Potential other financing mechanisms

Current initial, non-exclusive thoughts as to these issues:

- As appropriate or necessary consider presenting the voters with General Obligation bond referenda to fund larger capital needs such as, potentially, a

new police headquarters building, or for a longer-term Parks improvement plan to, for example, upgrade and add to the City's park and athletic spaces.

- In addition, also as appropriate or necessary, the City Commission should consider utilizing contractual funding mechanisms (e.g.: sales/leasebacks) or public/private partnerships to fund larger or collaborative infrastructure and facility needs. One example of such a potential 'collaborative' project that has been discussed with the ITF is the potential development, with Broward County and others, of a 'joint governmental campus' in the City's downtown which might effectively serve to replace City hall.

The ITF will continue its efforts, and will further report to the City Commission as necessary and appropriate.

- APPENDIX A:** Summary Of Outreach Meetings
- APPENDIX B:** FDEP Consent Order
- APPENDIX C:** June, 2018 analysis of the use of the March 2018 bond funds and their allocation to Consent Order, the Reiss Report priorities, and other water/sewer needs.
- APPENDIX D:** November, 2017 “City of Fort Lauderdale Water and Sewer Bonds - Comparison of Level Debt and Aggregate Level Debt Structures”
- APPENDIX E:** Reiss Reports Table WW9-1, reflecting Reiss-defined priority needs for FYs 2017-2022
- APPENDIX F:** “FY 2019 Public Works CIP Request”.
- APPENDIX G:** Portion of the FY2018 Adopted CIP reflecting current funding for general infrastructure programs

[MORE?]

Re: Infrastructure Task Force District Outreach Meetings - Summary

The Infrastructure Task Force (ITF) conducted Outreach Meetings for neighbors to express their concerns and priorities relating to infrastructure issues at the direction of the City Commission, per the Joint Workshop held on December 6, 2017. One Outreach meeting was held in each of the four districts from 7:00 PM to 9:00 PM:

- District 1, on March 19, 2018 at the Beach Community Center
- District 2, on March 27, 2018 at Holiday Park
- District 3, on March 21, 2018 at Joseph Carter Park
- District 4, on March 22, 2018 at Hortt Park

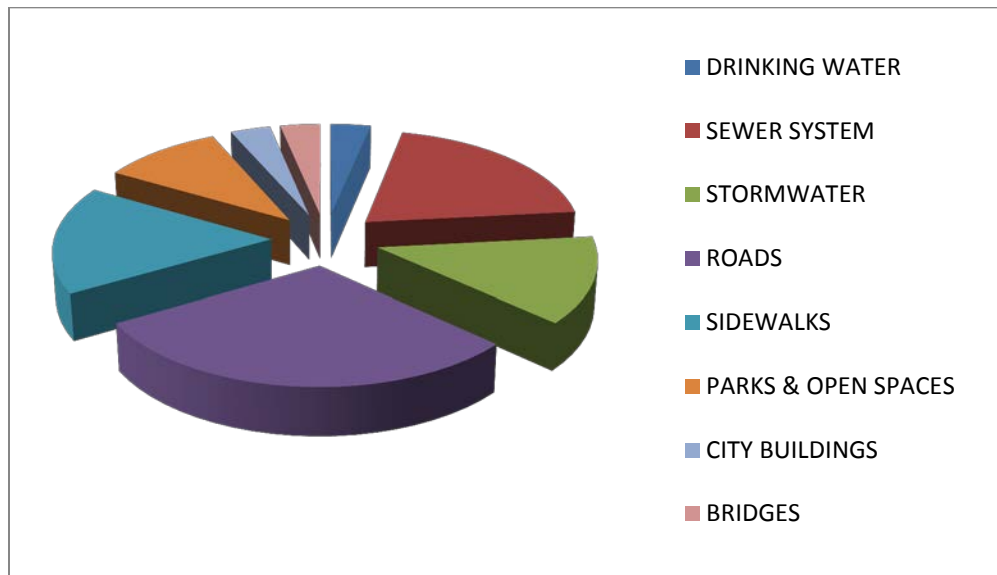
It was determined that the meetings should take place after the March 13, 2018 city elections. The topics were determined by identified issues of priority as directed by Mayor Seiler at its June 5, 2017 meeting; as well as, priorities identified by the Consent Order, Emergency Declaration and subsequent issues determined by the Board. The eight topics were:

1. Drinking water
2. Sewer System
3. Stormwater
4. Roads
5. Sidewalks
6. Parks and Open Spaces
7. City Buildings
8. Bridges

Chairperson Marilyn Mammano hosted the four meetings. Four or more board members were present at each meeting. Each neighbor attending was tasked with providing his/her top three infrastructure concerns. Percentages represent the votes given to each concern divided by the number of attendees. The top three concerns in each district are bolded.

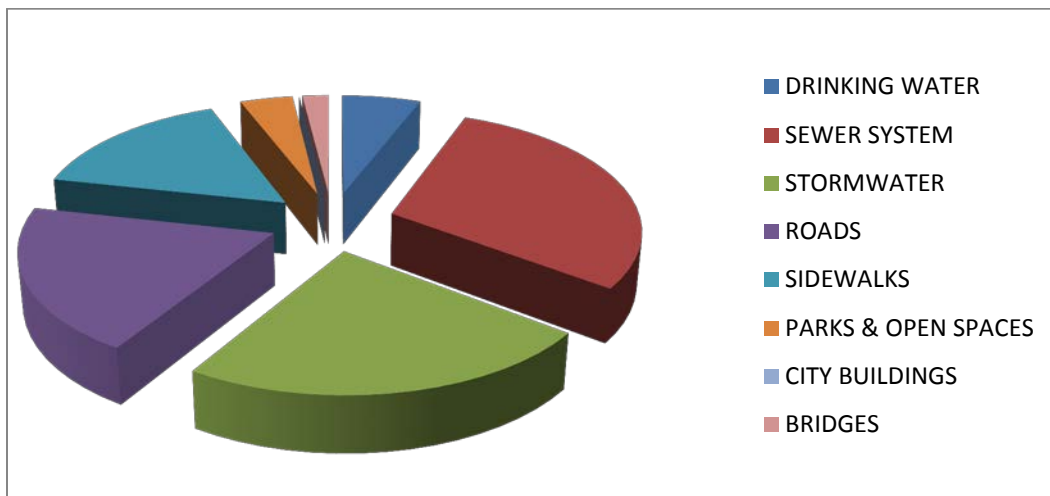
DISTRICT 1, MARCH 19, 2018

TOPICS	NO. OF DOTS
DRINKING WATER	3%
SEWER SYSTEM	20%
STORMWATER	13%
ROADS	30%
SIDEWALKS	17%
PARKS & OPEN SPACES	10%
CITY BUILDINGS	3%
BRIDGES	3%



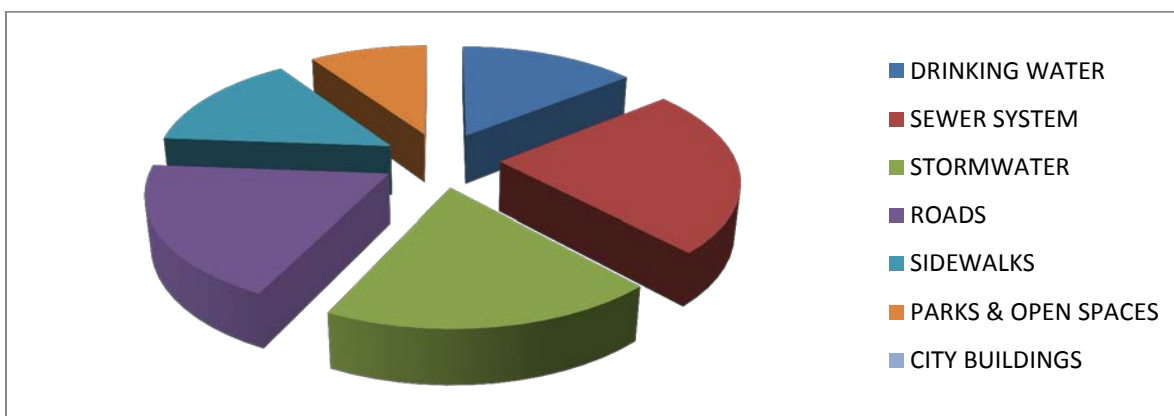
DISTRICT 2, MARCH 27, 2018 HOLIDAY PARK

TOPIC- Dots Received	
DRINKING WATER	6%
SEWER SYSTEM	29%
STORMWATER	24%
ROADS	20%
SIDEWALKS	16%
PARKS & OPEN SPACES	4%
CITY BUILDINGS	0%
BRIDGES	2%



DISTRICT 3, MARCH 21, 2018 JOSEPH CARTER PARK

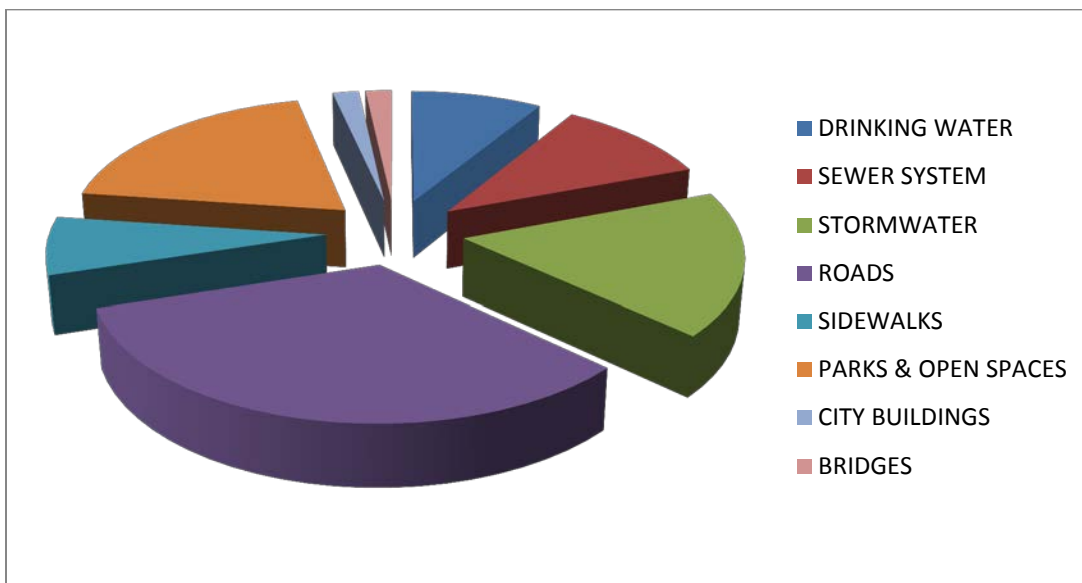
DRINKING WATER	14%
SEWER SYSTEM	24%
STORMWATER	19%
ROADS	19%
SIDEWALKS	14%
PARKS & OPEN SPACES	10%
CITY BUILDINGS	0%
BRIDGES	0%



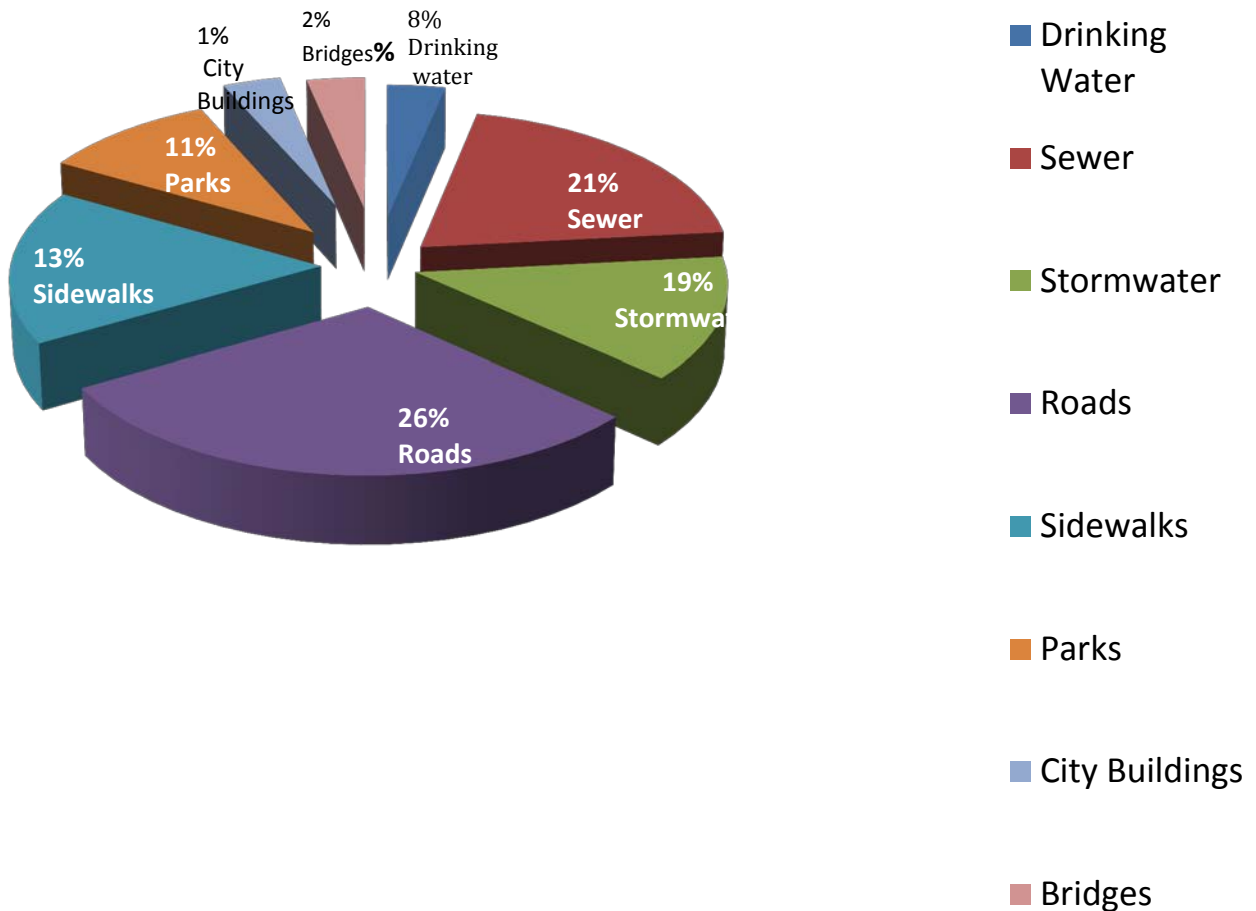
DISTRICT 4, March 22, 2018 Hortt Park

TOPIC	
DRINKING WATER	9%

SEWER SYSTEM	11%
STORMWATER	18%
ROADS	33%
SIDEWALKS	7%
PARKS & OPEN SPACES	19%
CITY BUILDINGS	2%
BRIDGES	2%



City-Wide Concerns Infrastructure Task Force Outreach Meetings



Summary of Concerns Infrastructure Task Force Outreach Meetings

A number of comments were made under the general headings listed below. There is no order of importance and several comments had multiple persons stating the same/similar concerns. The comments listed include concerns of operation or maintenance which remain outside the venue of the Infrastructure Task Force. Recordings of the meetings are available upon request

ROADS:

- "Cut through" traffic on formerly quiet residential streets
- Traffic lights not in sync several lights to get through intersections creates cut through issues to neighborhoods
- Bridge openings too slow and during peak traffic hours
- length of time MOT barriers are in place and no work being done
- tearing up the same roads too often.
- A1A too narrow for EMS vehicles
- Better coordination with County and State projects to minimize the same road under construction
- Bike lanes for and against
- Need for small shuttle type buses that run frequently
- Developers creating traffic congestion due to design of ingress/egress (Trader Joes)
- All buses have a pull out
- Roundabouts, pros and cons

SEWER:

- Smells from GTL and manholes
- Amount of sewage spilled into the waterways
- Health concerns for water sports
- Developers not paying fair share of impact fees
- Capacity of pipes from new development to plant not being taken into account
- Lifespan of pipe lining vs replacement
- Inflow/Infiltration
- Water & Sewer dollars diverted to other city matters
- 5% yearly increase in fees
- GTL in a flood zone what is the backup
- Diverting money from Water and Sewer to other City matters

STORMWATER:

- Flooding and property value

EX-8 (18-0709)

- Cost to repair and increasing fees
- Seawalls
- Climate change and sea level rise accounted for in all planning and construction
- Swales
- Rate structure of fees
- Flooding areas not part of the Master Plan (Melrose Manors)
- Sink holes -2-3 months to fix
- Maintenance schedule for storm drains
- Many cars lost to flooding – no city action (Dorsey Riverbend)
- Road by canal – needs lights on long poles to mark where street ends and canal begins when flooding.

SIDEWALKS:

- Install on heavy traffic streets in each neighborhood
- Installed, repaired, maintained by City
- Takes from swale both esthetic and drainage concerns
- Not wanted everywhere
- ADA and crosswalks insufficient on busy street (Sistrunk)
- Wider sidewalks for ADA
- Widen street vs adding or widening sidewalks
- Broken sidewalks and liability for slip and falls
- FPL has poles in middle of sidewalk
- Sidewalks cut property in half
- Sidewalks lessen swales for absorption of water
- Concern for the vulnerable citizens safety and mobility
- With 12,000 residential units in downtown, built, building and planned, sidewalks should be mandatory – people walking in the street

PARKS:

- Maintain parks don't add any new
- Pocket parks attract homeless
- Playground equipment over 30 years old
- Parks every 6 blocks
- More staff to add activities and safety
- Safety from drugs and other similar behaviors
- Contaminated - Lincoln Park and Wingate
- Park assessment ok only if money goes to parks
- Use vacant lots for pocket parks
- Environmental and equitable justice (Flagler Village vs Sistrunk)
- Fence around Riverland Park
- More pickle ball indoors
- Do not stop senior activities when school is out for children's activities - balance

DRINKING WATER:

- Testing for contaminants (Flint MI)

- Frequency of testing
- Water color
- Use of gray water plan

BRIDGES

- FEC RR bridge suggest it opens only 16 times instead of 32 by timing better
- Freight and RR use growing – would like FEC to do an APP to let boaters and traffic know when the trains will be stopping traffic or opening bridges to allow route planning

CITY BUILDINGS

- No comments

GENERAL COMMENTS

- Do a grid of needs vs. wants vs costs from high to low to determine priorities
- Moratorium for construction until sewer infrastructure is repaired
- Lining cutting the diameter of the pipe – Ralph explained about tradeoff for more coefficient flow
- Does the City look at “best practices” research what other cities are doing?
- Transparency with how money is being spent and whether it is being used for the purpose it is collected



Florida Department of Environmental Protection

Southeast District Office
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
561-681-6600

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

September 29, 2017

Ms. Ronda Montoya Hasan
Assistant City Attorney
Office of the City Attorney
100 N Andrews Ave.
Ft. Lauderdale, FL 33301
Via U.S. Mail

Re: Consent Order
OGC File No. 16-1487
Broward County

Dear Ms. Montoya Hasan:

Enclosed for your implementation is the fully executed Consent Order in the above-styled case. Please familiarize yourself with the compliance dates and terms of the Consent Order so the complete and timely performance of those obligations is accomplished.

Thank you for your cooperation in this matter.

Sincerely,

A handwritten signature in black ink that reads "Jennifer K. Smith". The signature is fluid and cursive, with the first name "Jennifer" being the most prominent part.

Jennifer K. Smith
District Director
Southeast District

jks/ja

Enclosure

cc: Jason Andreotta, FDEP SED, Jason.Andreotta@dep.state.fl.us
Kirk White, FDEP OGC, Kirk.White@dep.state.fl.us

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA, DEPARTMENT)	IN THE OFFICE OF THE
OF ENVIRONMENTAL PROTECTION)	SOUTHEAST DISTRICT
)	
v.)	OGC FILE NO. 16-1487
)	
CITY OF FORT LAUDERDALE)	
_____)	

CONSENT ORDER

This Consent Order (Order) is entered into between the State of Florida Department of Environmental Protection (Department) and the City of Fort Lauderdale (Respondent) to reach settlement of certain matters at issue between the Department and the Respondent.

The Department finds and the Respondent neither admits nor denies the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to protect Florida's air and water resources and to administer and enforce the provisions of Chapter 403, Florida Statutes (F.S.), and the rules promulgated and authorized in Title 62, Florida Administrative Code (F.A.C.). The Department has jurisdiction over the matters addressed in this Consent Order.

2. The Respondent is a municipal corporation in the State of Florida and a person within the meaning of Section 403.031(5), F.S.

3. The Respondent is the owner and is responsible for the operation of the following:

a) The G.T. Lohmeyer Wastewater Treatment Plant, a 56.6 million gallons per day, pure oxygen activated sludge facility with secondary effluent disposed of via 5 deep injection wells (Facility). The Facility is operated under Wastewater Permit No. FLA041378-014 (Permit), which was issued by the Department on May 4, 2016, and will expire on September 6, 2021. The Facility is located at 1765 SE 18th Street, Fort Lauderdale, Florida, 33309, in Broward County, Florida (Property). The Respondent owns the Property on which the Facility is located.

b) The domestic wastewater collection and transmission system (Collection System) serves the Respondent and its customers. The Collection System delivers the collected wastewater to the Facility for treatment and disposal.

4. The Department makes the following findings of fact and conclusions of law to which the Respondent neither admits nor denies:

a) During the period from January 1, 2014 to the effective date of this Consent Order, the City released untreated wastewater from the Collection System into surface waters and/or groundwaters of the State as follows:

Date	Volume (gallons)	Date	Volume (gallons)	Date	Volume (gallons)	Date	Volume (gallons)
02/05/17	123,041	12/30/16	17,460	10/29/15	177,250	12/22/14	73,815
4/28/17	1,500	12/19/16	145,887	10/26/15	100,965	11/16/14	4,200
4/30/17	1,350	12/17/16	2,545,560	10/23/15	279,930	07/16/14	46,575
5/19/17	9,874	12/01/16	4,820	10/20/15	13,500	07/10/14	24,480
5/26/17	154,270	07/18/16	79,800	10/14/15	1,000	05/18/14	212,500
6/14/17	3,000	06/23/16	10,620,000	10/08/15	2,000	05/06/14	4,000
6/19/17	3,900	06/23/16	3,217,501	09/28/15	76,308	03/31/14	1,600
6/30/17	3,000	6/23/16	852,499	09/20/15	2,000		
8/4/2017	2,000	06/22/16	1,000	09/06/15	10,000		
8/28/2017	100,000	03/18/16	94,828	08/19/15	8,000		
8/30/2017	1,000	02/16/16	1,820,000	07/31/15	3,600		
8/31/2017	23,730	02/14/16	1,000	07/05/15	5,000		
		01/07/16	6,525	06/29/15	3,335		
				05/09/15	50,400		
				04/30/15	25,000		
				01/26/15	1,500		
				01/22/15	12,900		

b) The Department finds that the foregoing releases in Paragraph 4(a) violate Rule 62-604.130, F.A.C.

5. This Consent Order has been entered into by the Respondent for the purposes of settlement only. Accordingly, neither the recitals nor the Department's findings in this Consent Order, nor the terms and conditions of this Consent Order, nor the Respondent's compliance with those terms and conditions, shall be construed in any legal or administrative action, proceeding

or litigation, as an admission that the Respondent has violated any statute, regulation, or ordinance or has otherwise committed a breach of any duty at any time, or of any fact, inference or conclusion of law.

Having reached a resolution of the matter, the Respondent and the Department mutually agree and it is hereby **ORDERED**:

6. Respondent shall comply with the following corrective actions within the stated time periods:

a) No later than February 28th, 2018, the Respondent shall replace approximately 1900 linear feet (lf) of 12" diameter force main at high risk of failure along Las Olas Blvd. The cost of this project is estimated at \$1,500,000.00.

b) No later than May 31st, 2018, the Respondent shall replace approximately 11,620 lf of failing 30" diameter force main that connects Repump Station A, located on Sistrunk Blvd, to the force main located at the intersection of SW 6th Ave and 7th St. The cost of this project is estimated at \$8,700,000.00.

c) No later than September 30th, 2020, the Respondent shall complete the pump station rehabilitation and replacement projects listed in ***Exhibit A: Phase I Projects***, in order to facilitate existing flows capacity and future projected increase in demands.

d) No later than September 30th, 2020, the Respondent shall complete the infiltration/inflow (I/I) projects listed in ***Exhibit B: Phase I Projects***, in order to reduce flows and lower peak demands and stresses on the system during rain events.

e) No later than September 30th, 2026, the Respondent shall complete the following force main rehabilitation projects listed in ***Exhibit C of Phase II Projects***, in order to repair and/or replace the infrastructure with the highest risk of failure.

f) **Existing Schedule:** Within 90 days of the effective date of this Consent Order, the Respondent shall provide to the Department the existing schedule for repair, upgrade, or replacement of existing Collection System assets during the next 2 years, including schedules for repair, upgrade, or replacement of the existing force mains, gravity mains, isolation and other control valves, air release valves, access and conflict manholes, and pump stations.

g) **Mapping Plan:** Within 9 months of the effective date of this Consent Order, the Respondent shall submit a Plan to the Department for review and comment detailing

how the Respondent will develop a complete map of the existing Collection System within the City's geographic boundaries, including all existing or in-construction force mains, gravity mains, isolation and other control valves, air release valves, access and conflict manholes, pump stations, and directional flow routes of each of these components to pump stations and the receiving Facility. The Department will provide comments on the Mapping Plan within 30 days of submittal by Respondent. Mapping will include both existing and under-construction components. Directional flows, including flows to any alternate Facility not belonging to the Respondent, will be shown on the maps. Inactive mains and related appurtenances with shut-off valves should be illustrated and highlighted to define their unique operationally inactive status. Maps will be maintained in such a manner that they can be accessed quickly and easily by maintenance and repair crews at all times and from multiple locations, to facilitate prompt and efficient responses to emergencies. As new construction is completed, the Respondent will incorporate as-built drawings of the new components into the maps. Within 21 months of the effective date of this Consent Order, the Respondent shall certify to the Department in writing that mapping is complete in accordance with the terms of this paragraph. Respondent shall contemporaneously provide the Department with a description of the storage and retrieval methods and the availability of the maps to City field staff.

h) **Force Main Condition Assessment:** Within 10 months of the effective date of this Consent Order, the Respondent shall submit to the Department for review and comment a plan for completing an assessment of the current condition of all force mains in the collection system within the Respondent's jurisdiction, in sufficient detail that the resulting assessment can be used to schedule improvements of aging or deteriorating pipes, connections, valves, and appurtenances. The plan shall include the methods to be used and a schedule for conducting the assessment. The Department will provide comments on the Force Main Condition Assessment within 30 days of submittal by Respondent. The final completion date for the assessment shall be no later than 18 months from the date of Respondent's receipt of Department comments on the plan. Within 60 days of completion of the assessment, the Respondent shall submit to the Department a report summarizing the results of the condition assessment.

i) **Asset Management and CMOM Program Development Plan:** Within 11 months of the effective date of this Consent Order, the Respondent shall submit for

Department review and comment a plan to develop an Asset Management and Capacity, Management, Operations and Maintenance Program (AM and CMOM Program). The Department will provide comments on the AM and CMOM Plan within 30 days of submittal by Respondent. The plan shall describe how the Respondent will develop the AM and CMOM Program, including the items required in Subpara. 6(k) below, and follow the Environmental Protection Agency's (EPA) guidance in the following references, available along with additional references via www.epa.gov:

- EPA 305-B-05-002, *Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems*
- EPA 816-F-08-014, *Asset Management: A Best Practices Guide*

j) **Capacity Evaluation:** Within 20 months of the effective date of this Consent Order, the Respondent shall complete an evaluation of the capacity of the Collection System, including all existing force mains, gravity mains, and pump stations. Within 22 months of the effective date of this Consent Order, the Respondent shall submit to the Department a report summarizing the results of the capacity evaluation, specifically identifying any assets with insufficient capacity for current and known projected demands over the next 10 years.

k) **Asset Management and CMOM Program:** Within 18 months of Respondent's receipt of the Department's comments on the AM and CMOM Program Development Plan required in Subpara. 6(i) above, the Respondent shall submit for Department review and comment the written AM and CMOM Program for ongoing management of the Collection System. The Department will provide comments on the AM and CMOM Program within 30 days of submittal by Respondent. The Program shall be consistent with the EPA guidance referenced in Subpara. 6(i) above, and shall include the following:

- i) a description of grease trap ordinance requirements and the compliance monitoring and enforcement program conducted by the Respondent;
- ii) a description of how and when information from the mapping, capacity evaluation, force main condition assessment, manufacturer's maintenance and replacement recommendations, spill data, gravity sewer information, and other pertinent sources will be stored, periodically updated, and used in the ongoing Program;
- iii) a description of how repairs, upgrades, and replacement of

Collection System assets will be determined to be needed, prioritized, authorized, and funded, with priority given to those assets identified as critical within the City's Master Plan.

l) **Asset Management and CMOM Program Schedules:** At the time Respondent submits the Asset Management and CMOM Program to the Department for review and comment, Respondent shall also submit for Department review and approval (the Department shall provide a written response to the Respondent within 30 days of receipt) the Asset Management and CMOM Program Schedules listed below:

i) a schedule for implementing the AM and CMOM Program, including when any software upgrades or integrations needed for initial implementation of the Program will be completed and put into service, when databases the software relies upon will be populated with the information from the sources listed in 6(k)(ii) above, and when the AM and CMOM Program will be fully incorporated into planning, funding, procuring resources, and scheduling work;

ii) a schedule showing the completion date for construction of each Phase II Improvement Project identified in Exhibit C;

iii) a schedule for any other projects that need to be added to Phase II, as identified by the Force Main Condition Assessment.

m) Unless otherwise specified herein, Respondent has the right to challenge any final agency action including any determination by the Department hereunder, pursuant to Chapter 120 Fla. Stat. At the election of either the Respondent or Department, the Respondent and Department shall schedule an informal meeting to attempt a good faith resolution of any disputes that may arise under decision made hereunder; thereafter to the extent that the Respondent or Department remain aggrieved, the Department and Respondent may exercise any rights they may have under applicable statutes and administrative code rules.

n) Upon approval by the Department, the AM and CMOM Program implementation schedule and the Phase II improvements schedule shall be incorporated herein as enforceable parts of this Consent Order. It is the Respondent's responsibility to complete planning, budgeting and funding allocation, permitting, procurement, bidding and awarding each project, and initiation of construction on a schedule that will result in completion of construction by the dates required in this Consent Order. However, subsequent changes to schedules adopted

pursuant to this Consent Order may be modified by mutual agreement of the Parties in writing.

o) Every 6 calendar months after the effective date of this Consent Order, the Respondent shall submit to the Department a written progress report on the status and progress of projects being completed under this Consent Order, including the following information:

- i) the status of compliance or noncompliance with the applicable requirements of this Consent Order, and any reasons for noncompliance;
- ii) the status of each of the Phase I and II projects listed in Exhibit A, B, and C; and
- iii) a projection of the work the Respondent will perform pursuant to this Consent Order during the 12-month period following the report.

p) The Respondent shall submit progress reports to the Department on or before July 31, for the period from January 1 through June 30, and on or before January 31, for the period from July 1 through December 31 each year.

7. Notwithstanding any other time periods described above, Respondent shall complete all corrective actions required by Paragraph 6 on or before September 30, 2026, and be in full compliance with Chapter 62-604, F.A.C., other than those excused delays agreed to by the Parties, as described in Paragraph 17.

8. Within 180 days of the effective date of this Consent Order, Respondent shall submit to the Department an updated written estimate of the total cost of the corrective actions in Subpara. 6(a) through 6(l), including costs of the Phase I improvements. Within 180 days of the completion of the Force Main Condition Assessment, Respondent shall submit to the Department an updated written estimate of the total cost of the Phase II projects in Exhibit C, along with the costs for any other assets in need of repairs, rehabilitation, or replacement as identified by the Force Main Condition Assessment. Each written estimate shall identify the information Respondent relied upon to provide the estimate.

9. Respondent agrees to pay to the Department stipulated penalties in the amount of \$100.00 per day for each and every day Respondent fails to comply with paragraphs 6 through 8 and 26 of this Consent Order.

10. For each day an unauthorized discharge from the Facility or the Collection System occurs during the effective period of this Consent Order, that do not qualify as Excusable

Discharges, as defined in subparagraph 10.b), below, Respondent agrees to pay stipulated penalties as follows:

a)	<u>Amount per day per Discharge</u>	<u>Discharge Volume</u>
	\$500.00	Up to 5,000 gallons
	\$1,000.00	5,001 to 10,000 gallons
	\$2,500.00	10,001 to 25,000 gallons
	\$5,000.00	25,001 to 100,000 gallons
	\$10,000.00	In Excess of 100,000 gallons

b) The Department will evaluate each spill on a case-by-case basis to determine whether the spill was beyond Respondent's reasonable control; whether Respondent is exercising prudent wastewater utility practices to reduce the frequency of spills; and whether Respondent took timely and appropriate actions to reduce the environmental impact of the spill(s). A stipulated penalty will be applied to any spill where Respondent fails to provide the Department with sufficient information to demonstrate that the spill qualifies as an Excusable Discharge. For the purposes of this Order, an Excusable Discharge is a spill that resulted from a temporary, infrequent incident that was beyond the reasonable control of Respondent.

Excusable Discharges include, but are not limited to the following:

i) Extraordinary acts of nature, including but not limited to, rainfall equal to or 6 inches of rain in a 24-hour period, hurricanes, tropical storms, extreme high-tide events, tornadoes, wild fires, lightning strikes, or events where a State of Emergency is declared;

ii) Actions by third parties unrelated to Respondent, including construction accidents, vehicular accidents, or vandalism; actions related to a contractor acting on behalf of Respondent is not an Excusable Discharge.

iii) Blockages that could not be prevented by reasonable measures and due diligence;

iv) Unexpected sudden structural, mechanical, or electrical failure that could not be avoided by reasonable measures and due diligence; and

v) Spills that are attributable to parts of the Collection System that are undergoing rehabilitation that could not be avoided by reasonable measures and due diligence.

11. The Department may demand stipulated penalties on an annual basis at any time after violations occur beginning upon the effective date of this Order. Respondent shall pay

stipulated penalties owed within 60 days of the Department's issuance of written demand for payment, and shall do so as further described in paragraph 14, below. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any terms of this Consent Order. Any stipulated penalties assessed under this Paragraph shall be in addition to civil penalties agreed to in Paragraph 12 of this Order.

12. Within 90 days of the effective date of this Order, Respondent shall pay the Department \$339,577.00 in settlement of the regulatory matters addressed in this Consent Order. This amount includes \$334,577.00 for civil penalties and \$5,000.00 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Order.

13. In lieu of making cash payment of \$334,577.00 in civil penalties as set forth in Paragraph 12 above, Respondent may elect to off-set this amount by implementing an in-kind penalty project, which must be approved by the Department. An in-kind project must be either an environmental enhancement, environmental restoration or a capital/facility improvement project. The Department may also consider the donation of environmentally sensitive land as an in-kind project. The value of the in-kind penalty project shall be one and a half times the civil penalty off-set amount, which in this case is the equivalent of at least \$501,865.50. If Respondent chooses to implement an in-kind project, Respondent shall notify the Department of its election by certified mail within 15 days of the effective date of this Consent Order. If Respondent elects to implement an in-kind project as provided in this Paragraph, then Respondent shall comply with all the requirements and time frames in Exhibit D entitled In-Kind Projects. Notwithstanding the election to implement an in-kind project, payment of the remaining \$5,000.00 in costs must be paid within 30 days of the effective date of this Consent Order.

14. Respondent shall make all payments required by this Consent Order by cashier's check, money order, City check or on-line payment. Cashier's check, money order, or City check shall be made payable to the "Department of Environmental Protection" and shall include both the OGC number assigned to this Consent Order and the notation "Water Quality Assurance Trust Fund." Online payments by e-check can be made by going to the DEP Business Portal: <http://www.fldepportal.com/go/pay/>. It will take several days after this Order is final, effective,

and filed with the Clerk of the Department before ability to make online payment is available.

15. Except as otherwise provided, all submittals required by this Order shall be submitted via email at sed.wastewater@dep.state.fl.us, or sent to Wastewater Compliance Assurance Program, Department of Environmental Protection, 3301 Gun Club Road, MSC 7210-1, West Palm Beach, FL 33406.

16. Respondent shall allow all authorized representatives of the Department access to the Facilities and the Properties at reasonable times for the purpose of determining compliance with the terms of this Consent Order and the rules and statutes administered by the Department.

17. If any event, including administrative or judicial challenges by third parties unrelated to Respondent, occurs which causes delay or the reasonable likelihood of delay in complying with the requirements of this Consent Order, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of Respondent and could not have been or cannot be overcome by Respondent's due diligence. Neither economic circumstances nor the failure of a contractor, subcontractor, materialman, or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines shall be considered circumstances beyond the control of Respondent (unless the cause of the contractor's late performance was also beyond the contractor's control). Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall notify the Department by the next working day of the event and shall, within seven calendar days, notify the Department in writing of (a) the anticipated length and cause of the delay, (b) the measures taken or to be taken to prevent or minimize the delay, and (c) the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended. The agreement to extend compliance must identify the provisions extended, the new compliance date or dates, and the additional measures Respondent must take to avoid or minimize the delay, if any. Failure of Respondent to comply with the notice requirements of this paragraph in a timely manner constitutes a waiver of Respondent's right to request an extension of time for compliance for those circumstances.

18. The Department, for and in consideration of the complete and timely performance

by Respondent of all the obligations agreed to in this Consent Order, hereby waives its right to seek judicial imposition of damages or civil penalties for the violations described above up to the date of the filing of this Consent Order. This waiver is conditioned upon Respondent's complete compliance with all of the terms of this Consent Order.

19. This Consent Order is a settlement of the Department's civil, administrative, and delegated authority arising under Chapter 403, Florida Statutes, to resolve the matters addressed herein. This Consent Order is not a settlement of any criminal liabilities which may arise under Florida law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law. Entry of this Consent Order does not relieve Respondent of the need to comply with applicable federal, state, or local laws, rules, or ordinances.

20. The Department hereby expressly reserves the right to initiate appropriate legal action to address any violations of statutes or rules administered by the Department that are not specifically resolved by this Consent Order.

21. Respondent is fully aware that a violation of the terms of this Consent Order may subject Respondent to judicial imposition of damages, civil penalties up to \$10,000.00 per day per violation, and criminal penalties.

22. Respondent acknowledges and waives its right to an administrative hearing pursuant to sections 120.569 and 120.57, F.S., on the terms of this Order other than a dispute as described in paragraph 6(l).. Respondent also acknowledges and waives its right to appeal the terms of this Order pursuant to section 120.68, F.S.

23. Electronic signatures or other versions of the parties' signatures, such as .pdf or facsimile, shall be valid and have the same force and effect as originals. No modifications of the terms of this Order will be effective until reduced to writing, executed by both Respondent and the Department, and filed with the clerk of the Department.

24. The terms and conditions set forth in this Consent Order may be enforced in a court of competent jurisdiction pursuant to sections 120.69 and 403.121, F.S. Failure to comply with the terms of this Order constitutes a violation of section 403.161(1)(b), F.S.

25. This Consent Order is a final order of the Department pursuant to section 120.52(7), F.S., and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, F.S. Upon

the timely filing of a petition, this Consent Order will not be effective until further order of the Department.

26. Respondent shall publish the following notice in a newspaper of daily circulation in Broward County, Florida. The notice shall be published one time only within 15 days of the effective date of the Consent Order. Respondent shall provide a certified copy of the published notice to the Department within 10 days of publication.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF CONSENT AGREEMENT

The Department of Environmental Protection ("Department") gives notice of agency action of entering into a Consent Order with the City of Fort Lauderdale, pursuant to section 120.57(4), Florida Statutes. The Consent Order addresses alleged unpermitted wastewater and effluent discharges from the City's wastewater facilities and associated wastewater collection/transmission systems to State waters, and the implementation plan to minimize further discharges. The Consent Order is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Persons who are not parties to this Consent Order, but whose substantial interests are affected by it, have a right to petition for an administrative hearing under sections 120.569 and 120.57, Florida Statutes. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition concerning this Consent Order means that the Department's final action may be different from the position it has taken in the Consent Order.

The petition for administrative hearing must contain all of the following information:

- a) The OGC Number assigned to this Consent Order;
- b) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding;
- c) An explanation of how the petitioner's substantial interests will be affected by the

Consent Order;

- d) A statement of when and how the petitioner received notice of the Consent Order;
- e) Either a statement of all material facts disputed by the petitioner or a statement that the petitioner does not dispute any material facts;
- f) A statement of the specific facts the petitioner contends warrant reversal or modification of the Consent Order.
- g) A statement of the rules or statutes the petitioner contends require reversal or modification of the Consent Order; and
- h) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Consent Order.


The petition must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS# 35, Tallahassee, Florida 32399-3000 within 21 days of receipt of this notice. A copy of the petition must also be mailed at the time of filing to the District Office at Florida Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. Failure to file a petition within the 21-day period constitutes a person's waiver of the right to request an administrative hearing and to participate as a party to this proceeding under sections 120.569 and 120.57, Florida Statutes. Before the deadline for filing a petition, a person whose substantial interests are affected by this Consent Order may choose to pursue mediation as an alternative remedy under section 120.573, Florida Statutes. Choosing mediation will not adversely affect such person's right to request an administrative hearing if mediation does not result in a settlement. Additional information about mediation is provided in section 120.573, Florida Statutes and Rule 62-110.106(12), Florida Administrative Code.

27. Rules referenced in this Order are available at:

<http://www.dep.state.fl.us/legal/Rules/rulelist.htm>.

CITY OF FORT LAUDERDALE

ATTEST:



Jeffrey A. Modarelli, City Clerk
City Clerk



John P. "Jack" Seiler, Mayor
Mayor

(SEAL)



Lee R. Feldman, City Manager

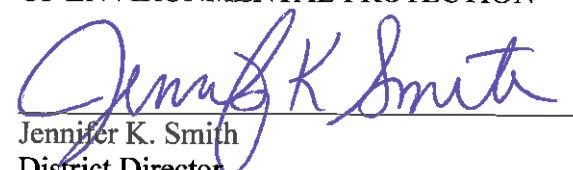
Approved as to Legal Form



Rhonda Montoya Hasan
Assistant City Attorney

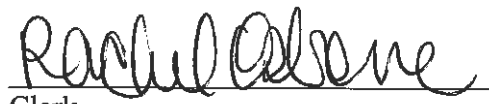
DONE AND ORDERED this # day of Month, 2017, in Palm Beach County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

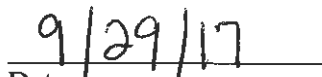


Jennifer K. Smith
District Director
Southeast District

Filed, on this date, pursuant to section 120.52, F.S., with the designated Department Clerk,
receipt of which is hereby acknowledged.



Clerk



Date

Copies furnished to:
Lea Crandall, Agency Clerk

Mail Station 35

EXHIBIT A
Phase I Projects

Project #	Phase I Project Name	Description	Preliminary Cost Estimate
454-P12124.454-6599	Central Beach Alliance PSD41	Replace pump station #PSD41	\$2,200,000
454-P12202.454-6599	Pump Station D-11	Flow analysis & design for pump station rehabilitation	\$500,000
454-P12133.454-6599	Pump Station A-13	Redirect E of F for pump station A-13	\$2,100,000
454-P11879.454-6599	Pump Station B-10	Rehabilitate pump station B-10	\$1,500,000
454-P11881.454-6599	Pump Station D-45	Replace pump station D-45	\$525,000
Preliminary Cost Estimate for Phase I Projects listed here			\$6,825,000

EXHIBIT B
Phase I Projects

Project #	Phase I Project Name	Description	Preliminary Cost Estimate
454-P11563.454-6599	Victoria Park Sewer Basin A-19	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$5,352,000
454-P11566.454-6599	Rio Vista Sewer Basin D-43	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$2,960,000
454-P11991.454-6599	Downtown Pump Station A-7	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$8,224,000
454-P12049.454-6599	Flagler Heights Sewer Basin A-21	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$883,000
454-P12055.454-6599	Sewer Basin A-18	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$4,198,000
454-P12001.454-6599	Sewer Basin D-40	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$100,000
Preliminary Cost Estimate for Phase I Projects listed here			\$21,717,000

EXHIBIT C

Phase II Projects

Phase II Project Name	Description	Preliminary Cost Estimate*
NE 25 th Ave. 24" Force Main	Replace or rehabilitate approx. 5,500 feet of RCP force main along NE 25 th Ave.	\$6,387,000
NE 38 th St & NE 19 th Street 42" Force Main	Replace or rehabilitate approx. 8,000 feet of DIP force main along NE 38 th Street, and install 3,000 feet of new 24" force main along NE 19 th Street	\$9,326,000
NW 5 th St., NW 9 th Ave., & W. Sistrunk Blvd. 30" Force Main	Replace or rehabilitate approx. 12,000 feet of CIP force main along NW 5 th St. & NW 9 th Ave., and install 6,000 feet of new 24" force main along Sistrunk Blvd.	\$11,769,000
SE 10 th Ave. 48" Force Main	Replace or rehabilitate approx. 13,400 feet of DIP force main, and install 5,400 feet of parallel new 36" force main	\$17,746,000
US 1 48" Force Main	Replace or rehabilitate approx. 6,000 feet of DIP force main, and install 5,100 feet of parallel new 48" force main along US 1	\$6,910,000
Treatment Plant to Injection Wells Effluent Force Main	Replace or rehabilitate the PCCP effluent force main leading from the G.T. Lohmeyer facility to the deep injection wells	\$3,142,000
NW 13 th Ave. 24" Force Main	Replace or rehabilitate approx. 3,300 feet of CIP force main along NW 13 th Ave.	\$1,914,000
NE 9 th St. to Birch Rd River Crossing 18" Force Main	Replace or rehabilitate approx. 1,000 feet of DIP force main river crossing from NE 9 th Street to Birch Road	\$434,000
Preliminary Cost Estimate for Phase II Projects listed here*		\$57,628,000

* Preliminary costs assume complete replacement. The Force Main Assessment will determine work to be done on each project.

EXHIBIT D
In-Kind Projects

A. Within sixty (60) days of the effective date, the City shall submit, by certified mail, a detailed in-kind project proposal to the Department for evaluation. The proposal shall include a summary of benefits, proposed schedule for implementation and documentation of the estimated costs which are expected to be incurred to complete the project. These costs shall not include those incurred in developing the proposal or obtaining approval from the Department for the in-kind project.

B. If the Department requests additional information or clarification due to a partially incomplete in-kind project proposal or requests modifications due to deficiencies with Department guidelines, The City shall submit, by certified mail, all requested additional information, clarification, and modifications within fifteen (15) days of receipts of written notice.

C. If upon review of the in-kind project proposal, the Department determines that the project cannot be accepted due to a substantially incomplete proposal or due to substantial deficiencies with minimum Department guidelines; The City shall be notified, in writing, of the reason(s) which prevent the acceptance of the proposal. The City shall correct and redress all of the matters at issue and submit, by certified mail, a new proposal within thirty (30) days of receipt of written notice. In the event that the revised proposal is not approved by the Department, The City shall make cash payment of the civil penalties as set forth in Paragraph 12 of this Consent Order, within thirty (30) days of Department notice.

D. Within one-hundred twenty (120) days of the Effective Date, the City shall obtain approval for an in-kind project from the Department. If an in-kind project proposal is not approved by the Department within one-hundred twenty (120) days of the Effective Date, then The City shall make cash payment of the civil penalties as set forth in Paragraph 12 of this Consent Order, within thirty (30) days of Department notice.

E. Within one-hundred eighty (180) days of obtaining Department approval for the in-kind proposal or in accordance with the approved schedule submitted pursuant to Paragraph A above, The City shall complete the entire in-kind project.

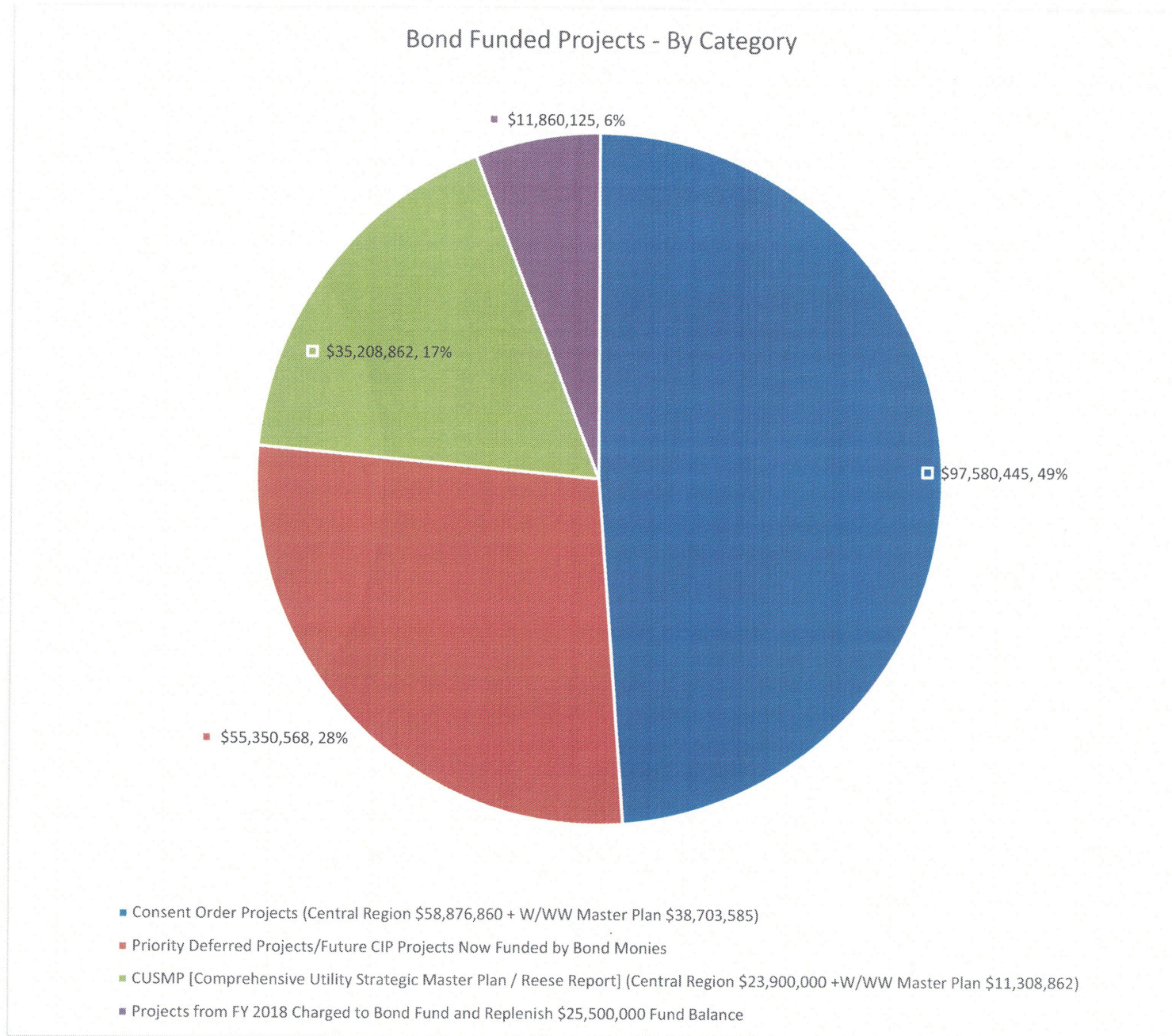
F. During the implementation of the in-kind project, The City shall place appropriate sign(s) at the project site indicating that The City's involvement with the project is the result of a

Department enforcement action. The City may remove the sign(s) after the project has been completed. However, after the project has been completed the City shall not post any sign(s) at the site indicating that the reason for the project was anything other than a Department enforcement action.

G. In the event the City fails to timely submit any requested information to the Department, fails to complete implementation of the in-kind project or otherwise fails to comply with any provision of this paragraph, the in-kind penalty project option shall be forfeited and the entire amount of civil penalties shall be due from the City to the Department within thirty (30) days of Department notice. If the in-kind penalty project is terminated and The City timely remits the \$334,577.00 penalty, no additional penalties shall be assessed under Paragraph 11 of this Consent Order for failure to complete the requirement of this paragraph.

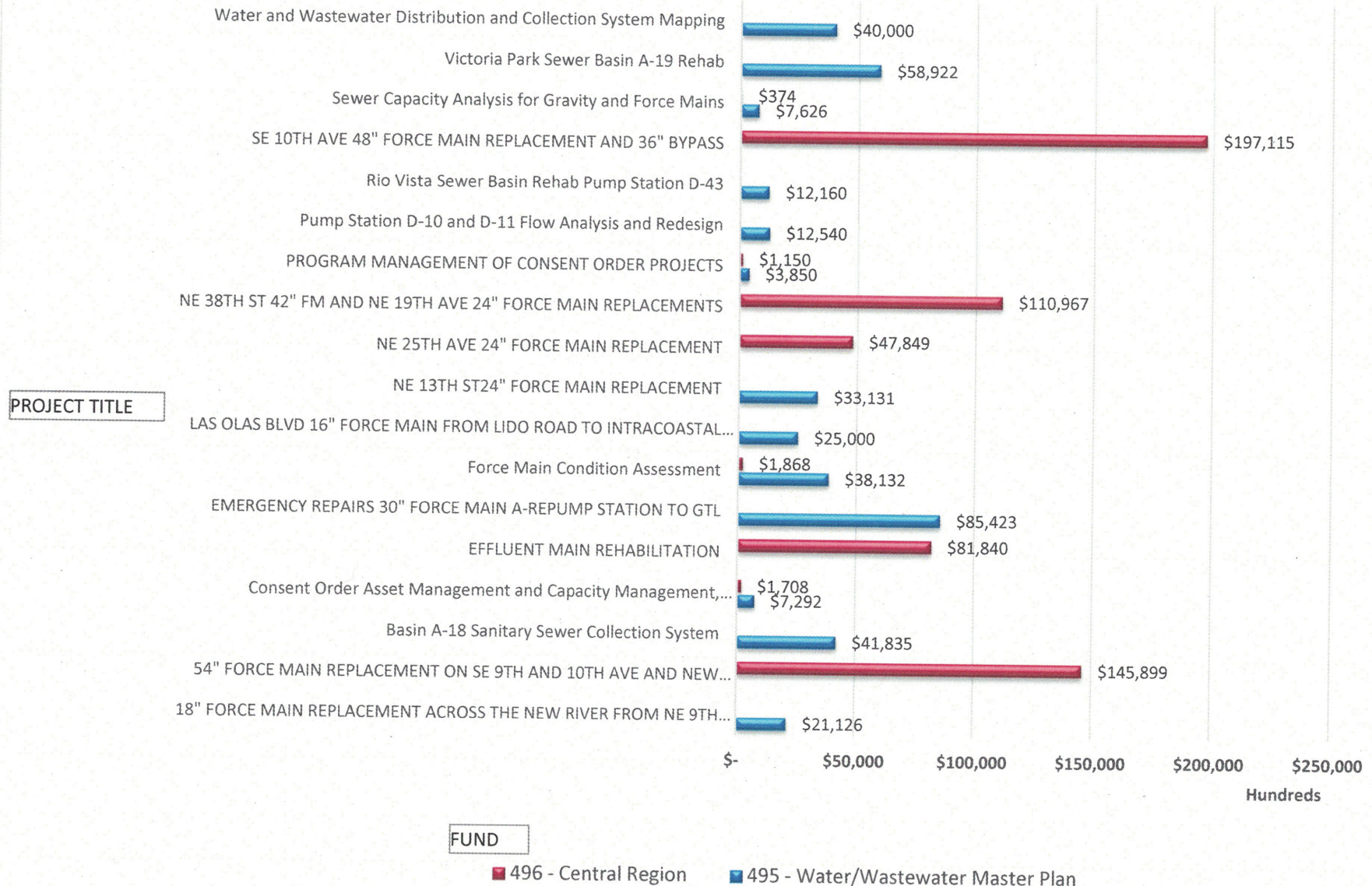
H. Within fifteen (15) days of completing the in-kind project, the City shall notify the Department, by certified mail, of the project completion and request a verification letter from the Department. The City shall submit supporting information verifying that the project was completed in accordance with the approved proposal and documentation showing the actual costs incurred to complete the project. These costs shall not include those incurred in developing the proposal or obtaining approval from the Department for the project.

I. If upon review of the notification of completion, the Department determines that the project cannot be accepted due to a substantially incomplete notification of completion or due to substantial deviations from the approved in-kind project, The City shall be notified, in writing, of the reason(s) which prevent the acceptance of the project. The City shall correct and redress all of the matters at issue and submit, by certified mail, a new notification of completion within fifteen (15) days of receipt of the Department's notice. If upon review of the new submittal, the Department determines that the in-kind project is still incomplete or not in accordance with the approved proposal, the in-kind penalty project option shall be forfeited and the entire amount of civil penalty shall be due from the City to the Department within thirty (30) days of Department notice. If the in-kind penalty project is terminated and the City timely remits the \$334,577.00, no additional penalties shall be assessed under Paragraph 11 of this Consent Order for failure to complete the requirements of this paragraph.



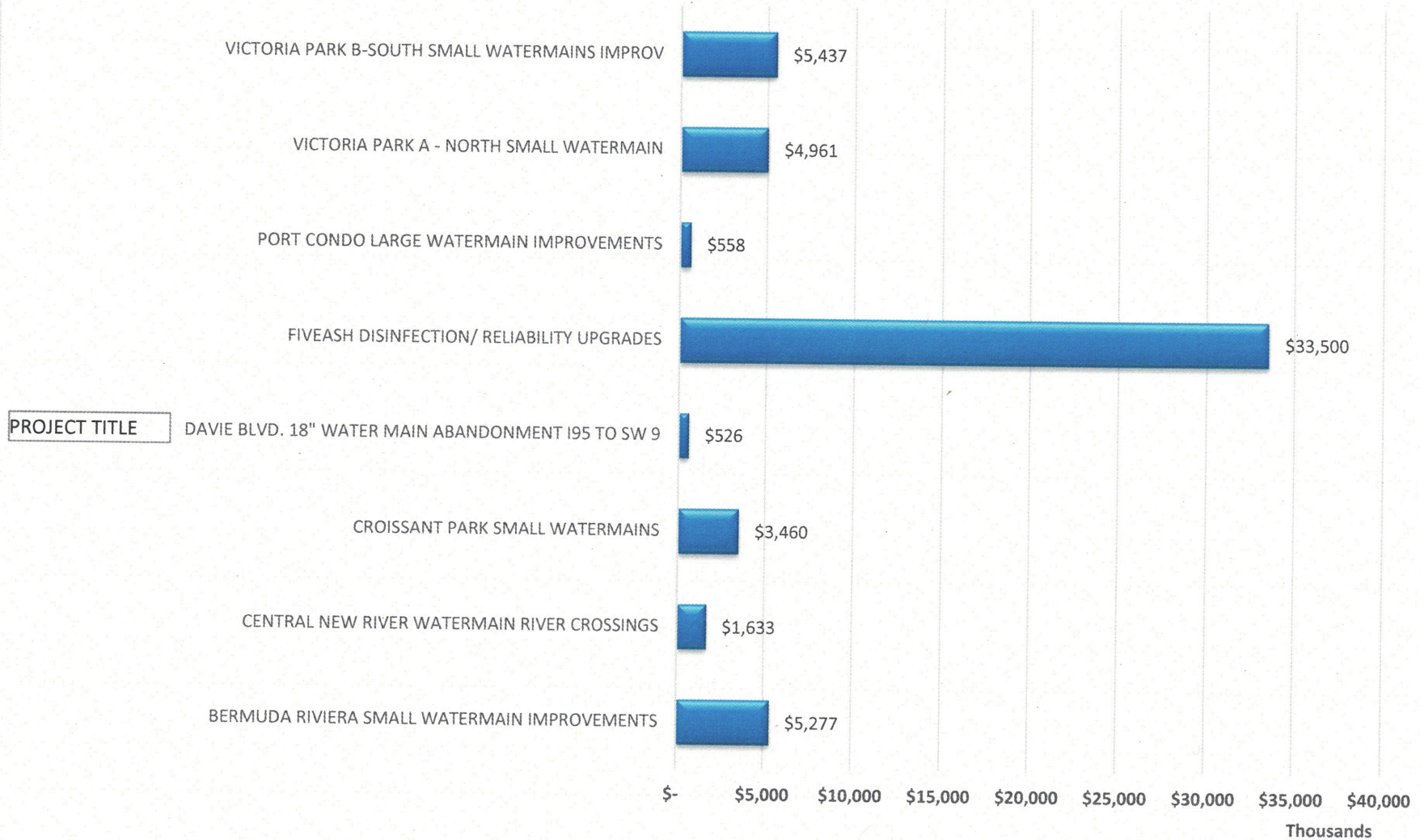
Sum of TOTAL PROJECTED COST

Consent Order Projects - Total \$ 97,580,445.00



Sum of TOTAL PROJECTED COST

Priority Deferred Projects - Total \$ 55,350,568.00

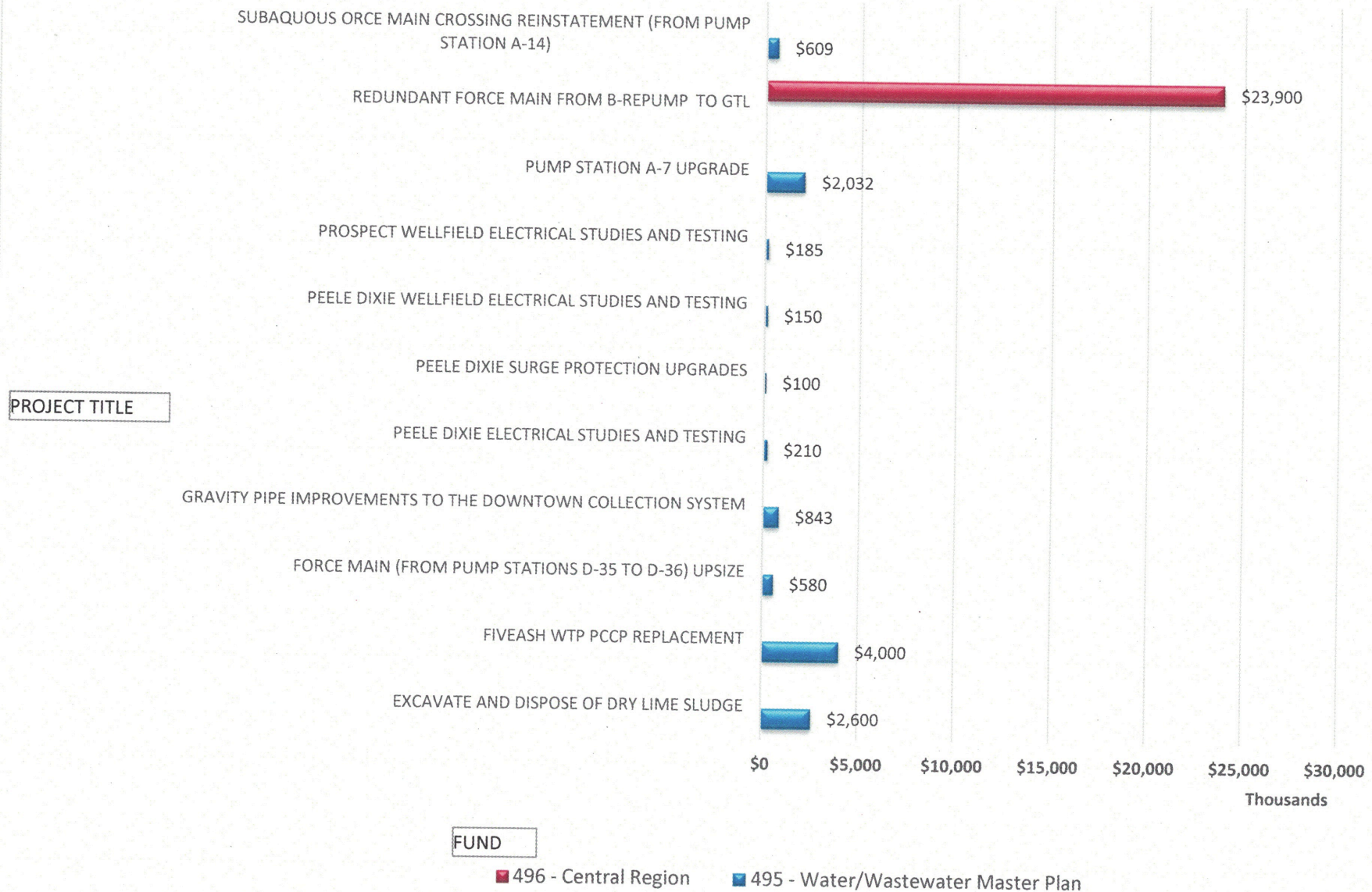


FUND

495 - Water/Wastewater Master Plan

Sum of TOTAL PROJECT COST

Comprehensive Utility Strategic Master Plan Projects - Total \$ 35,208,862.00





City of Fort Lauderdale Water and Sewer Bonds - Comparison of Level Debt and Aggregate Level Debt Structures

The City's Financial Advisor, FirstSouthwest Inc., has provided updated number runs on the proposed \$200 million water and sewer financing under the following scenarios:

1. Traditional level debt service (level debt service on the Series 2018 bonds)
2. Aggregate Level Debt Service (level debt service on all of the senior lien water and sewer bonds)

Currently the yield curve is upward sloping and the 6.8 year difference in the average life of the bonds results in an interest rate differential of approximately 0.324% between the traditional level debt service and aggregate level debt service structures. Although the aggregate level debt service solution costs approximately \$60 million more in interest over the life of the Series 2018 bonds, it lowers the maximum annual aggregate water and sewer debt service by \$2.54 million as shown in the table below.

	Level Debt Service	Aggregate Level Debt Service	Difference
Par Amount	176,120,000	177,490,000	1,370,000
Project Deposit	200,000,000	200,000,000	-
TIC	3.489%	3.813%	0.324%
Average Life	18.755	25.573	6.818
Total Interest	151,339,338.06	210,959,773.17	59,620,435.11
Total Debt Service	327,459,338.06	388,449,779.17	60,990,441.11
Max. Annual Aggregate Debt Service	39,258,073.26	36,713,123.26	(2,544,950.00)

Should the City opt to move forward with the aggregate level debt service structure, it will be able to realize the following benefits:

1. A higher debt service coverage without raising water and sewer rates
2. Additional future bonding capacity
3. Potentially higher credit ratings
4. Additional financing flexibility and free cash flow that could be used to fund future improvements with cash instead of additional debt
5. Potentially lower cost of financing on future debt issuances

First Southwest Inc. anticipates that based upon the City's proposed water and sewer capital improvements, the Series 2018 water and sewer bond issue will be the first of a number of

financings. It should be noted that the current economic forecasts are predicting higher interest rates in the near future. For example, from October 6 to October 10, 2017, *Bloomberg News* surveyed approximately 70 of the nation's top economists for their most recent opinions on the U.S. economy and interest rates. The following are the results of their responses for the 10-year U.S. Treasury notes:

10-yr Treasury-note - The average 10-year yield forecast for Q4 2017 is 2.43%. The average forecast for the next five quarters are 2.54%, 2.67%, 2.78%, 2.88% and 3.00%. The Q1 2019 forecast is 0.68% above the current close today of 2.32%.

	Q4 2017	Q1 2018	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Q2 2019
Current Survey (October 2017)	2.43%	2.54%	2.67%	2.78%	2.88%	3.00%	N/A
Prior Survey (September 2017)	2.47%	2.60%	2.72%	2.82%	2.96%	N/A	N/A
12 months Prior (October 2016)	2.84%	3.00%	3.06%	N/A	N/A	N/A	N/A

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Table WW9-1. Projected CIP Summary and CUSMP Recommended Projects Comparison

Category		FY 2017-2021	FY 2022-2026	FY 2027-2031	FY 2032-2036
Central Regional WW Fund (451)					
WW Treatment Regional	Planned CIP	\$52,039,556	\$0	\$0	\$0
	Unfunded CIP	\$9,167,600	--	--	--
	CUSMP Additional	\$26,072,693	\$43,076,200	\$41,056,600	\$27,013,000
WW Pump Stations Regional	Planned CIP	\$1,568,501	\$0	\$0	\$0
	Unfunded CIP	\$1,000,000	--	--	--
	CUSMP Additional	\$936,192	\$3,191,200	\$3,690,400	\$1,245,200
WW Force Main Regional	Planned CIP	\$217,537	\$0	\$0	\$0
	Unfunded CIP	\$8,367,600	--	--	--
	CUSMP Additional	\$28,046,000	\$7,947,000	\$31,369,000	\$0
Utility Wide Regional	Planned CIP	\$6,687,269	\$0	\$0	\$0
	Unfunded CIP	\$1,961,421	--	--	--
	CUSMP Additional	\$20,646,959	\$10,888,072	\$5,988,073	\$2,682,510
Subtotal Planned CIP:		\$60,512,863	\$0	\$0	\$0
Subtotal Unfunded CIP:		\$20,496,621	--	--	--
Subtotal CUSMP Additional:		\$75,701,844	\$65,102,472	\$82,104,073	\$30,940,710
Fund 451 TOTAL:		\$156,711,328	\$65,102,472	\$82,104,073	\$30,940,710
Water and Sewer Master Plan Fund (454)					
WW Collection	Planned CIP	\$42,949,306	\$0	\$0	\$0
	Unfunded CIP	\$50,406,104	--	--	--
	CUSMP Additional	\$5,509,000	\$64,716,500	\$68,075,500	\$108,750,000
WW Pump Stations City	Planned CIP	\$9,503,253	\$0	\$0	\$0
	Unfunded CIP	\$0	--	--	--
	CUSMP Additional	\$20,825,250	\$23,146,750	\$15,762,500	\$22,660,000
WW Force Mains	Planned CIP	\$3,095,350	\$0	\$0	\$0
	Unfunded CIP	\$0	--	--	--
	CUSMP Additional	\$31,851,000	\$4,072,000	\$220,000	\$0
WA Total	Planned CIP	\$89,517,619	\$0	\$0	\$0
	Unfunded CIP	\$20,695,662	--	--	--
	CUSMP Additional	\$136,713,476	\$159,347,270	\$148,725,212	\$81,198,646
Utility Wide City	Planned CIP	\$3,121,472	\$0	\$0	\$0
	Unfunded CIP	\$22,997,500	--	--	--
	CUSMP Additional	\$26,238,890	\$18,247,229	\$12,207,925	\$10,402,925
Subtotal Planned CIP:		\$148,187,000	\$0	\$0	\$0
Subtotal Unfunded CIP:		\$94,099,266	--	--	--
Subtotal CUSMP Additional:		\$221,137,616	\$269,529,750	\$244,991,137	\$223,011,571
Fund 454 TOTAL:		\$463,423,882	\$269,529,750	\$244,991,137	\$223,011,571

Notes:

- City Planned CIP totals include Unspent Balance as of 9/29/16
- Please Refer to this link for the existing Fort Lauderdale 2017 to 2021 Community Investment Plan.
<http://www.fortlauderdale.gov/departments/city-manager-s-office/budget-cip-and-grants-division/community-investment-plans>

FY 2019 - FY 2023 COMMUNITY INVESTMENT PLAN SUMMARY

Public Works - 331 General Capital Fund

Title of Request	Cost	Page #
ADA Sidewalk Installation & Replacement	359,000	147
Americans With Disabilities (ADA) Improvements	6,233,855	148
Annual Asphalt Resurfacing	1,941,310	149
Bayview Drive Bridge Over Longboat Inlet	687,000	150
Bridge Replacement At South Ocean Drive	1,102,000	151
Bridge Restoration	2,350,000	152
Broward County Segment II Beach Nourishment	2,792,975	153
City-Owned Seawall Restoration And Replacement	3,500,000	154
Cordova Road Seawall Replacement	5,534,072	155
East Las Olas Blvd. Seawall Repair	1,443,409	156
Fleet Maintenance & Repair Garage Facility	10,943,750	157
Isle of Palms Drive Seawall Replacement	3,000,000	158
Marine Facilities Maintenance	2,400,000	159
NE 1st Street Bridge	1,500,000	160
River Oaks Preserve Park - Parking Lot	920,969	161
SE 13th Street Bridge	3,359,383	162
Seven Isles Seawall Improvements	572,050	163
Sidewalk And Paver Replacement/Annual Concrete	12,550,000	164
West Lake Drive Bridge Restoration	2,645,645	165
\$63,835,418		

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
Law Enforcement Confiscated Property Fund (104)									
P12009	REGIONAL CONS DISPATCH & RECORDS MGMT SY	23,689	-	-	-	-	-	23,689	-
Law Enforcement Confiscated Property Fund (104) Total		23,689	-	-	-	-	-	23,689	-
DEA Confiscated Property Fund (107)									
P12009	REGIONAL CONS DISPATCH & RECORDS MGMT SY	84,924	-	-	-	-	-	84,924	-
DEA Confiscated Property Fund (107) Total		84,924	-	-	-	-	-	84,924	-
Community Development Block Grant Fund (108)									
P11687	CITY HALL ADA ACCESS IMPROVEMENTS	260,000	-	-	-	-	-	260,000	-
P11799	2012 NCIP GOLDEN HEIGHTS ENTRANCE PAVERS	51,000	-	-	-	-	-	51,000	-
P11607	2010 NCIP DILLARD PARK CURBING	35,000	-	-	-	-	-	35,000	-
P11801	2012 NCIP ROCK ISLAND ST SIGN POSTS	35,000	-	-	-	-	-	35,000	-
P11963	2014 NCIP LAUDERDALE MANORS DECO ST SIGN	35,000	-	-	-	-	-	35,000	-
P11802	2012 NCIP LAUDERDALE MANORS CROSSWALKS	25,000	-	-	-	-	-	25,000	-
FY 20180666	CITY INFRASTRUCTURE PROJECT	-	500,000	329,000	-	-	-	829,000	-
FY 20150273	NCIP/BCIP PROJECT COMMUNITY MATCH	-	-	171,000	-	-	-	171,000	-
FY 20160415	AMERICANS WITH DISABILITIES (ADA) IMPROVEMENTS	-	-	-	500,000	500,000	500,000	1,500,000	-
P12244	ADA SIDEWALK INSTALLATION & REPLACEMENT	-	-	-	-	-	-	-	344,000
Housing and Community Development Grant Fund (108) Total		441,000	500,000	500,000	500,000	500,000	500,000	2,941,000	344,000
Grants Fund (129)									
P12128	WAR MEMORIAL AUDITORIUM RENOVATIONS	183,016	-	-	-	-	-	183,016	-
P11671	LAS OLAS MARINA DREDGING PHASE II CONSTRUCTION	262,337	-	-	-	-	-	262,337	-
P11056	CYPRESS CREEK SAND PINE PARK	247,702	-	-	-	-	-	247,702	-
P12122	SNYDER PARK BIKE TRAILS	152,890	-	-	-	-	-	152,890	-
P12201	COONTIE HATCHEE LGN PHS 1 DSGN & PERMIT	127,000	-	-	-	-	-	127,000	-
P11411	TARPON BEND PARK	125,002	-	-	-	-	-	125,002	-
P11811	MILLS POND OBSERVATION DECK	75,000	-	-	-	-	-	75,000	-
P12159	SNYDER PARK BOARDWALK REPLACEMENT	50,000	-	-	-	-	-	50,000	-
P11670	BAHIA MAR YACHTING CENTER DREDGING PHASE II	209,465	-	1,500,000	-	-	-	1,709,465	-
P12186	GEORGE ENGLISH PARK BOAT RAMP RENOVATIONS	86,798	-	400,000	-	-	-	486,798	-
Grants Fund (129) Total		1,519,210	-	1,900,000	-	-	-	3,419,210	-
Building Permit Fund (140)									
P12235	LAND & ASSET MANAGEMENT SYSTEM PROJECT	1,177,517	143,636	-	-	-	-	1,321,153	-
P12267	DSD BUILDING - COOLING SYSTEM	177,480	-	-	-	-	-	177,480	-
FY20180636	SUSTAINABLE DEVELOPMENT SECURITY IMPROVEMENTS	-	-	-	-	-	-	-	592,000
FY20180652	SUSTAINABLE DEVELOPMENT LOBBY RENOVATIONS	-	-	-	-	-	-	-	490,000
Building Permit Fund (140) Total		1,354,997	143,636	-	-	-	-	1,498,633	1,082,000
Building Technology Fund (142)									
P12235	LAND & ASSET MANAGEMENT SYSTEM PROJECT	593,411	450,000	-	-	-	-	1,043,411	-
P11919	ONESOLUTION UPGRADE	90,539	-	-	-	-	-	90,539	-
Building Technology Fund (142) Total		683,950	450,000	-	-	-	-	1,133,950	-
Special Assessments Fund (319)									
P09733	BRIDGESIDE SQUARE AREA IMPROVEMENTS	17,585	-	-	-	-	-	17,585	-
P10247	NE 33RD AVENUE/DOLPHIN ISLES IMPROVEMENT	12,136	-	-	-	-	-	12,136	-
P11715	LAS OLAS ISLES UNDERGROUNDING UTILITIES	1,000	-	-	-	-	-	1,000	-
Special Assessments Fund (319) Total		30,721	-	-	-	-	-	30,721	-
General Capital Projects Fund (331)									
P11793	2012 NCIP S MIDDLE RVR ENTRYWAY MONUMENT	2,546	-	-	-	-	-	2,546	-
P11698	2011 NCIP MIDDLE RIVER TERR DIXIE IMPROV	2,600	-	-	-	-	-	2,600	-
P11948	2014 NCIP BAL HARBOUR LIGHTING FOR ENTWY	2,887	-	-	-	-	-	2,887	-
P11923	BAYVIEW DRIVE SIDEWALK RESTORATION	3,269	-	-	-	-	-	3,269	-
P12046	DOG PARK AT HOLIDAY PARK	3,545	-	-	-	-	-	3,545	-
P11507	2009 NCIP SEVEN ISLES HOA BRIDGE IMPROVEMENT	3,899	-	-	-	-	-	3,899	-

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
P11958	2014 NCIP CROISSANT PARK TREES	4,600	-	-	-	-	-	4,600	-
P11600	2010 NCIP RIVERSIDE PARK CURBS AND SWALE	4,609	-	-	-	-	-	4,609	-
P11244	GALT OCEAN SHOPPES ENTRYWAY IMP BCIP	4,538	-	-	-	-	-	4,538	-
P11797	2012 NCIP DILLARD PARK CURBING	4,649	-	-	-	-	-	4,649	-
P11599	2010 NCIP BAL HARBOUR ENTRANCE ISLAND	4,732	-	-	-	-	-	4,732	-
P11947	2014 NCIP CORAL RIDGE NE 13 STREET	4,918	-	-	-	-	-	4,918	-
P11800	2012 NCIP LAKE RIDGE TREES	5,007	-	-	-	-	-	5,007	-
P12048	POLICE DEPT WINDOWS/GUTTERS	5,113	-	-	-	-	-	5,113	-
P11745	HARDY PARK FIELD RENOVATION	6,168	-	-	-	-	-	6,168	-
P11978	SOUTH BEACH RESTROOM REPAIR/RENOVATION	4,458	-	-	-	-	-	4,458	-
P11697	2011 NCIP POINCIANA PRK LNDS CP MEDIANS	9,128	-	-	-	-	-	9,128	-
P11513	2009 NCIP GOLDEN HEIGHTS HOA	9,644	-	-	-	-	-	9,644	-
P11516	2009 NCIP LAKE RIDGE CIVIC ASSOCIATION	9,764	-	-	-	-	-	9,764	-
P12149	2015 NCIP LAKE RDGE MONILITY MASTER PLAN	10,000	-	-	-	-	-	10,000	-
P11946	2014 NCIP POINSETTIA HGHTS SOLAR LTS ENT	10,250	-	-	-	-	-	10,250	-
P11510	2009 NCIP HARBOR BEACH HOA	11,620	-	-	-	-	-	11,620	-
P11962	2014 NCIP LAKE RIDGE TREES	13,683	-	-	-	-	-	13,683	-
P11696	2011 NCIP HARBOR BCH LANDSCAPED MEDIANS	14,356	-	-	-	-	-	14,356	-
P12145	2015 NCIP VICTORIA PARK GREENWAY LIGHTS	14,750	-	-	-	-	-	14,750	-
P11595	CENTRAL BCH WAYFINDING & INFO SIGNAGE	12,769	-	-	-	-	-	12,769	-
P12276	EDGEWOOD ENTRY SIGNS	3,781	-	-	-	-	-	3,781	-
P11959	2014 NCIP GOLDEN HEIGHTS SPEED HUMPS	16,000	-	-	-	-	-	16,000	-
P11212	GALT OCEAN SHOP ENTRANCEWAY	16,000	-	-	-	-	-	16,000	-
P11827	SEAWALL REPLACEMENT ALONG NEW RIVER	15,955	-	-	-	-	-	15,955	-
P11725	DISTRICT TWO PARK	17,908	-	-	-	-	-	17,908	-
P12154	2015 BCIP FAY VILLAGE MASTER PLAN	18,800	-	-	-	-	-	18,800	-
P12144	2015 NCIP SUNRISE KEY DECR STR POSTS	20,700	-	-	-	-	-	20,700	-
P12137	2015 NCIP RIVERLAND MANORS MEDIANS	21,725	-	-	-	-	-	21,725	-
P11803	2012 BCIP FAT VILLAGE	22,500	-	-	-	-	-	22,500	-
P11819	2012 BCIP FTL BEACH VILLAGE MERCHANTS	22,500	-	-	-	-	-	22,500	-
P11955	2014 BCIP FORT LAUDERDALE BEACH VILLAGE	22,500	-	-	-	-	-	22,500	-
P12151	2015 BCIP FLAGLER VIL IMPR SIGN/MONUMENTS	22,500	-	-	-	-	-	22,500	-
P12153	2015 BCIP N BCH VILLAGE SIGNS/MONUMENY	22,500	-	-	-	-	-	22,500	-
P11692	2011 NCIP BEVERLY HGTS TRAFFIC CALMING	23,000	-	-	-	-	-	23,000	-
P11695	2011 NCIP SOUTH MIDDLE RIVER SIDEWALK	22,483	-	-	-	-	-	22,483	-
P10932	BCIP FLAGLER VILLAGE IMPROVEMENTS 2004/05	25,000	-	-	-	-	-	25,000	-
P11802	2012 NCIP LAUDERDALE MANORS CROSSWALKS	25,000	-	-	-	-	-	25,000	-
P12142	2015 NCIP CORAL RDGE C CLB DECR ST POSTS	25,000	-	-	-	-	-	25,000	-
P11811	MILLS POND OBSERVATION DECK	16,839	-	-	-	-	-	16,839	-
P11607	2010 NCIP DILLARD PARK CURBING	30,467	-	-	-	-	-	30,467	-
P12140	2015 NCIP BERMUDA RIVERS DECR STR POSTS	32,000	-	-	-	-	-	32,000	-
P11794	2012 NCIP LAKE AIRE ST LIGHTS & POSTS	26,465	-	-	-	-	-	26,465	-
P11608	2010 NCIP RIVER GARDEN/SWEETING MONUMENT	32,272	-	-	-	-	-	32,272	-
P11796	2012 NCIP RVR GARDEN SWEETING PK IMPROVE	39,793	-	-	-	-	-	39,793	-
P11801	2012 NCIP ROCK ISLAND ST SIGN POSTS	32,820	-	-	-	-	-	32,820	-
P11478	COOLEY'S LANDING MAINTENANCE BUILDING	33,067	-	-	-	-	-	33,067	-
P11779	BAHIA MAR BRIDGE REHAB	32,556	-	-	-	-	-	32,556	-
P11605	2010 NCIP SEVEN ISLES ASPHALT BRIDGES	35,000	-	-	-	-	-	35,000	-
P11799	2012 NCIP GOLDEN HEIGHTS ENTRANCE PAVERS	35,000	-	-	-	-	-	35,000	-
P11956	2014 NCIP RIVER GDNS PERIMETER PRIV WALL	35,000	-	-	-	-	-	35,000	-
P11960	2014 NCIP STH MDLE RVR SIDEWALK NW 16 ST	35,000	-	-	-	-	-	35,000	-
P11961	2014 NCIP LAKE AIRE DÉCOR ST POST/SIGNS	35,000	-	-	-	-	-	35,000	-

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
P11963	2014 NCIP LAUDERDALE MANORS DECO ST SIGN	35,000	-	-	-	-	-	35,000	-
P11964	2014 NCIP MELROSE PARK ENTRWY MONUMENT	35,000	-	-	-	-	-	35,000	-
P12139	2015 NCIP SUNRISE INTRACOASTAL TRAF CALM	35,000	-	-	-	-	-	35,000	-
P12141	2015 NCIP HISTORICAL DORSEY RVRBND SIDEWALK	35,000	-	-	-	-	-	35,000	-
P12143	2015 NCIP FLAGLER VILLAGE SIGNS/MONUMENTS	35,000	-	-	-	-	-	35,000	-
P12146	2015 NCIP PALM AIRE VILLAGE MOBILITY MSTR PL	35,000	-	-	-	-	-	35,000	-
P12147	2015 NCIP SHADY BNKS DECR STR POSTS	35,000	-	-	-	-	-	35,000	-
P12148	2015 NCIP LAUDERDALE MNRS DECR STR POSTS	35,000	-	-	-	-	-	35,000	-
P12150	2015 NCIP RIVERLAND ROUNDABOUT	35,000	-	-	-	-	-	35,000	-
P11734	RIVER OAKS DEVELOPER TRAFFIC MITIGATION	39,112	-	-	-	-	-	39,112	-
P12084	NE 13TH ST COMPLETE STREETS PROJECT	41,188	-	-	-	-	-	41,188	-
P11714	IDLEWYLD UNDERGROUNDING OF UTILITIES	38,177	-	-	-	-	-	38,177	-
P11727	DISTRICT FOUR PARK	47,206	-	-	-	-	-	47,206	-
P11609	2010 NCIP LAKE RIDGE ENTRYWAY SIGNAGE	54,536	-	-	-	-	-	54,536	-
P11690	2011 NCIP MELROSE PRK LNDSCP & ENTRY SGN	54,536	-	-	-	-	-	54,536	-
P11790	2012 MELROSE PK ENTRYWAY MONUMENTS	54,536	-	-	-	-	-	54,536	-
P10585	PALM AIRE WALL IMPROVEMENTS	58,580	-	-	-	-	-	58,580	-
P11520	800 MHZ PUBLIC SAFETY RADIO CONFIGURATION	64,993	-	-	-	-	-	64,993	-
P12303	BENNESON PARK PLAYGROUND REPLACEMENT	61,300	-	-	-	-	-	61,300	-
P11701	2011 NCIP RIVER OAKS SIDEWLK @ SW 15 AVE	70,000	-	-	-	-	-	70,000	-
P12297	CARTER PARK STORMWATER IMPROVEMENTS	70,000	-	-	-	-	-	70,000	-
P11945	ANNUAL ASPHALT CONCRETE RESURFACING	74,125	-	-	-	-	-	74,125	-
P12138	2015 NCIP LAUDERDALE BCH TRAFFIC CALMING	78,232	-	-	-	-	-	78,232	-
P11968	SEVEN ISLES SEAWALL IMPROVEMENTS	79,937	-	-	-	-	-	79,937	572,050
P12267	DSD - BUILDING COOLING SYSTEM	81,031	-	-	-	-	-	81,031	-
P12081	DIXIE HIGHWAY IMPROVEMENTS	85,825	-	-	-	-	-	85,825	-
P12073	SNYDER PARK DOG LAKE	85,268	-	-	-	-	-	85,268	-
P09295	NORTHWEST 7/9 AVENUE CONNECTOR	94,654	-	-	-	-	-	94,654	-
P10918	FIRE STATION 13 REPLACEMENT	103,116	-	-	-	-	-	103,116	2,820,360
P12201	COONTIE HATCHEE LGN PHS 1 DSGN & PERMIT	101,045	-	-	-	-	-	101,045	-
P11979	ESPLANADE PARK RESTROOM REPAIR/RENOVATION	113,375	-	-	-	-	-	113,375	-
P10914	NEW FIRE STATION 54	282,107	-	-	-	-	-	282,107	-
P12079	SOUTH MIDDLE RIVER ROADWAYS II	124,810	-	-	-	-	-	124,810	-
P10909	FIRE STATION DESIGN & CONSTRUCTION - FS 8 (SOUTHEAST) - NEW	122,161	-	-	-	-	-	122,161	3,837,095
P12085	FACILITY MAINTENANCE PRIORITIES	140,519	-	-	-	-	-	140,519	-
P12280	NE 1ST PEDESTRIAN REFUGE ON ANDREWS AVENUE	143,000	-	-	-	-	-	143,000	-
P12281	NE 1ST PEDESTRIAN REFUGE AT NE 3RD AVE	143,000	-	-	-	-	-	143,000	-
P12018	MEDIAN BEAUTIFICATION - ENTRYWAY SIGNS	145,349	-	-	-	-	-	145,349	-
P11715	LAS OLAS ISLES UNDERGROUNDING UTILITIES	148,220	-	-	-	-	-	148,220	-
P12113	CENTENNIAL CELEBRATION LEGACY (BRIDGE)	150,000	-	-	-	-	-	150,000	-
P12282	PEDESTRIAN PRIORITY INRSTN LAS OLAS/4TH	156,000	-	-	-	-	-	156,000	-
P12284	NE 3RD ST PEDESTRAIN SAFETY/BIKE INFRAST	156,000	-	-	-	-	-	156,000	-
P12198	CITY HALL SECURITY IMPROVEMENTS	131,360	-	-	-	-	-	131,360	-
P12159	SNYDER PARK BOARDWALK REPLACEMENT	170,004	-	-	-	-	-	170,004	-
P12302	GEROGE ENGLISH PLAYGROUND REPLACEMENT	171,267	-	-	-	-	-	171,267	-
P12129	POLICE STATION RENOVATION	186,142	-	-	-	-	-	186,142	-
P12318	NE 4TH STREET IMPROVEMENTS	219,300	-	-	-	-	-	219,300	-
P12283	SE 2ND ST TRAFFIC CALM/PEDESTRIAN SAFETY	270,000	-	-	-	-	-	270,000	-
P11365	SAILBOAT BEND TRAFFIC MITIGATION PLAN	271,925	-	-	-	-	-	271,925	-
P12090	NEIGHBORHOOD TRAFFIC CALMING & PED SAFETY	275,271	-	-	-	-	-	275,271	-
P12200	FIRE STATION #2 HVAC	1,035,122	-	-	-	-	-	1,035,122	-
P12091	DOWNTOWN WAYFINDING & INFO SIGNAGE	280,411	-	-	-	-	-	280,411	-

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
P12268	RIVERLAND PARK	300,000	-	-	-	-	-	300,000	-
P12285	TWIN LAKES NORTH ANNEXATION IMPROVEMENTS	310,560	-	-	-	-	-	310,560	-
P10777	SOUTH SIDE SCHOOL-PURCHASE & RESTORATION	309,257	-	-	-	-	-	309,257	-
P12089	BRIDGE REPLACEMENT AT COCONUT ISLE	319,337	-	-	-	-	-	319,337	-
P12056	CITYWIDE CAMERA INITIATIVE	354,135	-	-	-	-	-	354,135	-
P10720	ADA SETTLEMENT GENERAL FUND BUILDINGS	(233,537)	-	-	-	-	-	(233,537)	-
P11722	RIVERWALK SEAWALL PARTIAL RESTORATION NORTH	401,744	-	-	-	-	-	401,744	-
P11953	DOWNTOWN WALKABILITY PROJECT	478,526	-	-	-	-	-	478,526	-
P12160	EAST LAS OLAS STREET LIGHTS	500,000	-	-	-	-	-	500,000	-
P11065	ELECTRICAL IMPROVEMENTS NORTH NEW RIVER	670,216	-	-	-	-	-	670,216	-
P12128	WAR MEMORIAL AUDITORIUM RENOVATIONS	536,071	-	-	-	-	-	536,071	-
P12078	RIVERLAND ANNEXATION ROAD RESTORATION	698,905	-	-	-	-	-	698,905	-
P11687	CITY HALL ADA ACCESS IMPROVEMENTS	612,249	-	-	-	-	-	612,249	-
P11136	LAS OLAS TRANSPORTATION PLAN IMPLEMENTATION	637,406	-	-	-	-	-	637,406	-
P11937	ENTERPRISE RESOURCE PLANNING (ERP)	1,174,919	-	-	-	-	-	1,174,919	-
P11762	SIDEWALK AND PAVER REPLACEMENT/ANNUAL CONCRETE, STAMPED ASPHALT	960,556	-	-	-	-	-	960,556	-
P12250	9-1-1 CALL CENTER AND DISPATCH TRANSITION	1,500,000	(650,000)	-	-	-	-	850,000	-
P12162	FACILITIES ASSESSMENT - HVAC, ELECTRICAL & PLUMB	289,153	-	433,000	208,000	821,000	500,000	2,251,153	-
P12158	CORDOVA ROAD COMPLETE STREETS PROJECT	20,000	-	-	-	150,000	-	170,000	-
P12088	SE/SW 6 STREET CORRIDOR IMPROVEMENTS	2,267,893	300,000	-	-	-	-	2,567,893	-
P12087	BRIDGE REPLACEMENT AT SOUTH OCEAN DRIVE	1,476,547	650,000	-	-	-	-	2,126,547	-
P12161	FACILITIES ASSESSMENT - ROOFING PRIORITIES	85,915	300,000	54,000	206,000	191,000	200,000	1,036,915	-
P12010	BRIDGE RESTORATION	846,112	100,000	750,000	100,000	500,000	500,000	2,796,112	-
P12163	FACILITIES ASSESSMENT - EXTERIOR REPAIR/CONSTR	40,588	343,000	175,000	251,000	-	150,000	959,588	-
P12117	NEW RIVERWALK PARK IMPROVEMENTS	459,689	200,000	200,000	200,000	200,000	200,000	1,459,689	-
P12086	NEIGHBORHOOD & BUSINESS COMMUNITY INVEST	1,000,000	500,000	500,000	500,000	500,000	500,000	3,500,000	-
P12164	FACILITIES ASSESSMENT - INTERIOR REPAIR/CONSTR	599,453	1,357,000	1,338,000	1,335,000	1,000,000	1,150,000	6,779,453	-
P11825	MARINE FACILITIES MAINTENANCE	618,474	600,000	600,000	-	600,000	600,000	3,018,474	-
P12247	BROWARD COUNTY SEGMENT II BEACH NOURISHMENT	2,792,975	2,792,975	2,792,975	-	-	-	8,378,925	-
P11214	WAR MEMORIAL RENOVATIONS - PHASE II	1,412,783	815,917	-	-	-	-	2,228,700	-
P12248	CITY-WIDE PLAYGROUND REPLACEMENTS	492,433	600,000	-	-	-	-	1,092,433	1,350,000
P12273	RIVERLAND ROAD COMPLETE STREETS IMPROVEMENTS	95,322	754,678	-	-	-	-	850,000	-
P10107	7TH FLOOR RENOVATIONS	53,049	424,000	-	-	-	-	477,049	-
P12299	WEST LAKE DRIVE BRIDGE RESTORATION	349,667	-	-	-	-	2,345,802	2,695,469	-
P12328	SOUTHEAST EMERGENCY MEDICAL STATION	-	3,000,000	-	-	-	-	3,000,000	-
P12329	SEAWALLS REPLACEMENT - HIMMARSHEE CANAL (NORTH)	-	2,942,194	-	-	-	-	2,942,194	-
P12330	CITY-OWNED SEAWALL RESTORATION AND REPLACEMENT	-	1,236,964	-	-	3,500,000	-	4,736,964	36,625,160
P12331	AQUATIC CENTER SEAWALL REPAIR & CAP	-	1,935,351	-	-	-	-	1,935,351	-
P12315	AQUATICS COMPLEX RENOVATIONS	-	1,200,000	-	-	-	-	1,200,000	-
P12332	BAYVIEW DRIVE SEAWALL CAP & REPAIR	-	850,413	-	-	-	-	850,413	-
P12333	SEAWALL REPAIR & CAP - 2731 FEDERAL HIGHWAY	-	825,093	-	-	-	-	825,093	-
P12334	FIELD CONVERSION HOLIDAY PARK	-	800,000	-	-	-	-	800,000	1,200,000
P12335	NEW MILLS POND PARK RESTROOMS	-	502,250	-	-	-	-	502,250	-
P12336	SE 5th AVENUE AND LAS OLAS BLVD PEDESTRIAN IMPROVEMENTS	-	500,000	-	-	-	-	500,000	-
P12337	CORDOVA ROAD SEAWALL REPAIR/REPLACEMENT	-	427,850	-	-	-	-	427,850	5,052,971
P12338	LIDO DRIVE SEAWALL REPLACEMENT	-	400,050	-	-	-	-	400,050	-
P12339	MOLA DRIVE SEAWALL REPAIR	-	182,085	-	-	-	-	182,085	-
P12340	HIGH MAST LIGHTING SYSTEM COMMERCIAL BLVD.	-	150,000	-	-	-	-	150,000	-
P12341	MILLS POND PARK BOAT RAMP REPLACEMENT	-	113,280	-	-	-	-	113,280	-
P12235	LAND MANAGEMENT SYSTEM	-	(410,228)	-	-	-	-	(410,228)	-
P12342	POLICE MARINE PATROL VESSELS	-	700,000	710,000	-	-	-	1,410,000	135,000
P12343	PARKER PLAYHOUSE RENOVATIONS	-	500,000	500,000	500,000	600,000	600,000	2,700,000	2,700,000

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
P12344	FIRE ALERTING SYSTEM - REPLACEMENT	-	500,000	-	-	-	-	500,000	-
P12223	ANNUAL ASPHALT RESURFACING	-	388,262	388,262	388,262	388,262	388,262	1,941,310	-
FY20180658	DOWNTOWN WALKABILITY PROJECT PHASES 6-9	-	-	500,000	500,000	500,000	500,000	2,000,000	-
P11082	NEW MILLS POND GREEN" IMPROVEMENTS"	-	-	749,300	-	-	-	749,300	-
FY20080068	NEW RIVERLAND MULTIPURPOSE FIELD LIGHTING	-	-	497,250	-	-	-	497,250	-
FY 20160400	NW 15TH AVENUE COMPLETE STREETS PROJECT	-	-	200,000	-	-	-	200,000	1,650,000
FY 20150154	CARTER PARK POOL IN-WATER RAMP TO POOL	-	-	113,520	-	-	-	113,520	-
FY20150156	LAUDERDALE MANORS POOL - IN-WATER RAMP	-	-	113,520	-	-	-	113,520	-
FY 20150153	BASS PARK POOL IN-WATER RAMP TO POOL	-	-	113,520	-	-	-	113,520	-
FY20130184	ANNIE BECK PARK IMPROVEMENTS	-	-	89,148	-	-	-	89,148	-
FY 20150141	BILL KEITH PRESERVE BOARDWALK EXTENSION	-	-	73,100	-	-	-	73,100	-
FY 20150229	RESTROOM RENOVATIONS, JIMMY EVERT TENNIS CENT	-	-	63,500	-	-	-	63,500	-
P12134	SIDEWALK AND PAVER REPLACEMENT/ANNUAL CONCRETE AND PAVING STONES	-	-	2,150,000	1,400,000	-	-	3,550,000	5,750,000
FY 20160415	AMERICAN DISABILITY ACT (ADA) IMPROVEMENTS	-	-	-	2,733,855	-	-	2,733,855	1,500,000
FY20110033	POLICE GUN RANGE - LEASE WITH BUILT-OUT	-	-	-	475,000	-	-	475,000	80,000
FY 20150159	LAS OLAS MARINA ELECTRICAL UPGRADE	-	-	-	336,375	-	-	336,375	-
FY 20160349	POLICE K-9 OFFICE	-	-	-	280,000	-	-	280,000	104,000
FY 20160452	OCEAN RESCUE LIFEGUARD TOWER REPLACEMENT PLAN	-	-	-	221,082	-	-	221,082	303,619
FY 20160378	NEW PLAYGROUND - MIDDLE RIVER TERRACE PARK	-	-	-	200,000	-	-	200,000	-
FY 20170503	ISLE OF PALMS DRIVE SEAWALL REPLACEMENT	-	-	-	-	751,170	-	751,170	1,247,425
FY 20170502	EAST LAS OLAS BLVD SEAWALL REPAIR	-	-	-	-	97,250	-	97,250	1,346,159
FY20180622	SE 13TH STREET BRIDGE	-	-	-	-	-	2,654,198	2,654,198	705,185
FY20080179	POLICE HEADQUARTERS REPLACEMENT	-	-	-	-	-	-	-	80,814,905
FY20130190	PUBLIC SAFETY TRAINING FACILITY	-	-	-	-	-	-	-	10,721,250
FY20100188	FLEET MAINTENANCE & REPAIR GARAGE FACILITY	-	-	-	-	-	-	-	10,625,000
FY 20170541	ADA BARRIER REMOVAL CITY PARKS	-	-	-	-	-	-	-	3,000,000
FY 20170543	SE 17TH STREET MOBILITYPLAN IMPROVEMENTS	-	-	-	-	-	-	-	2,691,000
FY20180651	BEACH TRAFFIC MANAGEMENT PLAN EXECUTION	-	-	-	-	-	-	-	2,300,000
FY 20150158	MILLS POND PARK ARTIFICIAL TURF	-	-	-	-	-	-	-	2,200,000
FY20080048	NEW SHIRLEY SMALL PARK COMMUNITY CENTER	-	-	-	-	-	-	-	2,000,000
FY20130199	CITY HALL ELEVATOR MAINTENANCE UPGRADE	-	-	-	-	-	-	-	2,000,000
FY 20170555	BASS PARK IMPROVEMENTS	-	-	-	-	-	-	-	1,977,300
P12058	TUNNEL PEDESTRIAN PLAZA IMPROVEMENTS	-	-	-	-	-	-	-	1,808,014
FY20080071	SNYDER PARK IMPROVEMENTS	-	-	-	-	-	-	-	1,749,368
FY20080031	FLOYD HULL PARK RENOVATIONS	-	-	-	-	-	-	-	1,054,746
FY20180621	NE 1ST STREET BRIDGE	-	-	-	-	-	-	-	1,443,717
FY 20150194	POLICE HEADQUARTERS SECOND FLOOR RENOVAT	-	-	-	-	-	-	-	1,419,150
FY 20170500	RESURFACE CLAY COURTS - JIMMY EVERT TENNIS CENTER	-	-	-	-	-	-	-	926,612
FY20180609	RIVER OAKS PRESERVE PARK - PARKING LOT	-	-	-	-	-	-	-	920,969
FY20180641	NEIGHBORHOOD SIDEWALK PROJECT	-	-	-	-	-	-	-	900,000
FY 20170566	HOLIDAY PARK IMPROVEMENTS	-	-	-	-	-	-	-	845,000
FY20180640	BREAKERS AVENUE COMPLETE STREETS	-	-	-	-	-	-	-	840,000
FY 20170568	RIVERLAND PARK IMPROVEMENTS	-	-	-	-	-	-	-	831,300
FY 20170569	SHIRLEY SMALL PARK IMPROVEMENTS	-	-	-	-	-	-	-	800,000
FY20080007	CROISSANT PARK IMPROVEMENTS	-	-	-	-	-	-	-	800,000
FY 20170563	FLORENCE C. HARDY PARK IMPROVEMENTS	-	-	-	-	-	-	-	777,300
FY 20170570	SUNSET PARK IMPROVEMENTS	-	-	-	-	-	-	-	750,000
FY20180620	BAYVIEW DRIVE BRIDGE OVER LONGBOAT INLET	-	-	-	-	-	-	-	687,000
FY20120094	NEW OSSWALD GOLF COURSE LIGHTS	-	-	-	-	-	-	-	652,752
FY20180639	BAYVIEW DRIVE COMPLETE STREETS PROJECT	-	-	-	-	-	-	-	620,000
FY20180657	LAS OLAS BOULEVARD PHASE 2 FULL BUILD OUT	-	-	-	-	-	-	-	588,000
FY 20160340	POLICE MOUNTED UNIT EXPANSION OF THE HORSE BARN	-	-	-	-	-	-	-	561,402

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
FY20110063	NE 15 AVENUE CORRIDOR SAFETY IMPROVEMENTS	-	-	-	-	-	-	-	1,301,398
FY20180614	HUIZENG PARK ARTIFICIAL TURF	-	-	-	-	-	-	-	450,000
FY 20170571	WARFIELD PARK IMPROVEMENTS	-	-	-	-	-	-	-	450,000
P12186	GEORGE ENGLISH PARK BOAT RAMP RENOVATIONS	-	-	-	-	-	-	-	400,000
FY20180652	SUSTAINABLE DEVELOPMENT LOBBY RENOVATIONS	-	-	-	-	-	-	-	385,000
FY 20170574	WILLIAM DANDY MIDDLE SCHOOL IMPROVEMENTS	-	-	-	-	-	-	-	380,000
FY 20170481	DINGHY DOCK LAS OLAS BIGHT (MERLE FOGG/IDLEWYLD)	-	-	-	-	-	-	-	369,000
FY 20170573	SUNRISE MIDDLE SCHOOL IMPROVEMENTS	-	-	-	-	-	-	-	360,000
FY20100181	POLICE DEPT FREIGHT ELEVATOR REPLACEMENTS	-	-	-	-	-	-	-	350,000
FY20140040	RIVERSIDE PARK RESTROOMS	-	-	-	-	-	-	-	318,500
FY20180636	SUSTAINABLE DEVELOPMENT SECURITY IMPROVEMENTS	-	-	-	-	-	-	-	308,000
FY20140029	SHADE OVER HOLIDAY PARK BASEBALL FIELD BLEACHERS	-	-	-	-	-	-	-	301,070
FY20180644	RIVERLAND PARK POOL RESURFACING	-	-	-	-	-	-	-	270,000
FY 20170496	RENOVATIONS JIMMY EVERT TENNIS CENTER	-	-	-	-	-	-	-	200,000
FY 20150142	SHIRLEY SMALL PARK RESTROOM	-	-	-	-	-	-	-	184,800
FY 20170482	RESTROOM DR. ELIZABETH HAYS CIVIC PARK	-	-	-	-	-	-	-	184,800
FY20140054	BAYVIEW DRIVE BIKE/PEDESTRIAN PROJECT	-	-	-	-	-	-	-	170,000
FY 20170479	CARTER, CROISSANT & LAUD MANORS WATER PLAYGROUNDS	-	-	-	-	-	-	-	150,000
FY 20170564	GEORGE W. ENGLISH PARK BASKETBALL COURTS	-	-	-	-	-	-	-	150,000
FY 20170480	POOL CHEMICAL CONTROLLERS - VARIOUS SITES	-	-	-	-	-	-	-	129,949
P12000	REPLACEMENT DOCUMENT MANAGEMENT SYSTEM	-	-	-	-	-	-	-	107,706
FY 20160330	MUSIC RECORDING STUDIO	-	-	-	-	-	-	-	100,000
FY 20170575	STEPHEN FOSTER ELEMENTARY SCHOOL BASKETBALL COURTS	-	-	-	-	-	-	-	100,000
FY20180653	CODE COMPLIANCE WORK SPACE UPGRADES	-	-	-	-	-	-	-	100,000
FY 20170493	MILLS POND PARK BASKETBALL COURTS	-	-	-	-	-	-	-	87,750
FY 20170556	BENNESON PARK BASKETBALL COURTS	-	-	-	-	-	-	-	50,000
FY 20170557	BRYANT H. PENNEY PARK BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170558	COONTIE HATCHEE PARK BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170561	ESTERRE DAVIS WRIGHT PARK BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170562	FLAMINGO PARK NEW BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170565	GUTHRIE-BLAKE PARK BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170572	LAUDERDALE MANORS ENTRANCEWAY BASKETBALL COURT	-	-	-	-	-	-	-	50,000
General Capital Projects Fund (331) Total		30,016,770	25,831,134	13,104,095	9,834,574	9,798,682	10,288,262	98,873,517	211,941,782
Gas Tax Fund (332)									
P12223	ANNUAL ASPHALT RESURFACING	364,612	375,000	375,000	375,000	375,000	375,000	2,239,612	1,935,000
P11945	ANNUAL MICROSURFACING	303,601	443,115	443,115	443,115	443,115	443,115	2,519,176	-
P11762	CONCRETE AND PAVER MAINTENANCE 2011/12	25,050	-	-	-	-	-	25,050	-
Gas Tax Fund (332) Total		693,263	818,115	818,115	818,115	818,115	818,115	4,783,838	1,935,000
Fire Rescue Bond 2005 Series Fund (336)									
P10918	FIRE STATION 13 REPLACEMENT	4,996,888	-	-	-	-	-	4,996,888	-
P10909	FIRE STATION DESIGN & CONSTRUCTION - FS 8 (SOUTHEAST) - NEW	3,485,935	-	-	-	-	-	3,485,935	-
P10914	NEW FIRE STATION 54	4,082,804	-	-	-	-	-	4,082,804	-
P10911	FIRE STATION 46 DESIGN & CONSTRUCTION	69,603	-	-	-	-	-	69,603	-
P11892	TEMPORARY FIRE STATION 54	29,802	-	-	-	-	-	29,802	-
P11024	NEW FIRE STATIONS SHARED PROJECT COSTS	6,895	-	-	-	-	-	6,895	-
Fire Rescue Bond 2005 Series Fund (336) Total		12,671,927	-	-	-	-	-	12,671,927	-
Special Obligation Construction 2008B Fund (343)									
P12234	BAYVIEW DRIVE SEAWALL BEWN NE 59ST AND NE 60	279,385	-	-	-	-	-	279,385	-
P12089	BRIDGE REPLACEMENT AT COCONUT ISLE	117,432	-	-	-	-	-	117,432	-
P10777	SOUTH SIDE SCHOOL-PURCHASE & RESTORATION	18,521	-	-	-	-	-	18,521	-
P11774	RIVERWALK LIGHTING	3,890	-	-	-	-	-	3,890	-
Special Obligation Construction 2008B Fund (343) Total		419,228	-	-	-	-	-	419,228	-

**City of Fort Lauderdale
Infrastructure Task Force Committee**

**June 4, 2018
8th Floor City Commission Room – City Hall
Fort Lauderdale, FL 33301**

		January-December 2018	
MEMBERS		PRESENT	ABSENT
Marilyn Mammano	P	13	1
Ed Kwoka	P	12	2
Ralph Zeltman	P	14	0
Keith Cobb	P	9	5
Roosevelt Walters	P	13	1
Fred Stresau	A	11	3
Norm Ostrau	P	11	1
David Orshefsky	P	11	0

Staff Present

Christopher Lagerbloom, Assistant City Manager
Raj Verma, Interim Assistant Public Works Director
Rhonda Montoya Hasan, Assistant City Attorney
Meredith Shuster, Administrative Assistant
Michael Mitchel, Prototype-Inc. recording secretary

Roll was called at 2:04 p.m. and a quorum was established.

Communication to the City Commission

1. Member Edward Kwoka made the motion, seconded by member Roosevelt Walters recommending the City Commission consider all current appointments as of its inception to this Committee to be for the duration of the 36 months or as extended. Residency and property ownership should be a consideration for the duration.

In a voice vote, the motion carried unanimously.

EXECUTIVE SUMMARY

INTRODUCTION

Created in March, 2017 the Infrastructure Task Force (“ITF”) Committee was tasked to:

- A. To review existing City infrastructure, including, but not limited to: roads, sidewalks, airports, seawalls, water and wastewater distribution and collection systems, treatment plants, well fields, parks and all City facilities and structures and examine their current condition; and
- B. To review and identify the repair or replacement as well as review and identify funding sources and financing alternatives for those infrastructure improvements

City Resolution 17-46.

In May, 2018 during its priority setting retreat, the City Commission asked that the ITF develop interim recommendations focused on near-term solutions – within the next 3 to 5 years—related to specific infrastructure elements: water, sewer, storm water, roads, sidewalks, and seawalls.

Other infrastructure challenges, such as sea level rise, bridge replacements (as well as other City facilities) were acknowledged to be longer-term in nature, and were directed to be reserved for later ITF reports.

Based on efforts to date, including review of available mater plans and existing funding sources as well as a number of neighborhood outreach meetings, the ITF has developed a series of interim recommendations. The recommendations are outlined below. The attached full **draft** report provides greater detail and discussion. The attached Appendices provide further supportive materials

INTERIM RECOMMENDATIONS

The ITF's interim recommendations are as follows, organized by infrastructure element:

1 Water/Sewer

Following significant failures relating to the sewer system in 2016, the City entered into a Consent Order with the Florida Department of Environmental Protection ("FDEP") which establishes obligations: to repair or replace a series of major sewer system elements; and to within the next 2 years inspect the City's sewer system to determine whether additional improvements to the system will be necessary.

The water and sewer systems' immediate capital needs have been met by the City's sale of \$200 million in revenue bonds in March of 2018. These funds will be expended on the systems in the next 3-5 years.

Additional or future (beyond 5 years) system needs -- planned or emergency -- are not currently funded, but are intended to be funded externally: with additional issues of future revenue bonds.

Funds that could be available internally to the water and sewer funds are currently being transferred out of these funds to the General Revenue fund through a Return on Investment ("ROI") mechanism.

The ITF believes funds available to the water and sewer (and other) utility funds should remain available to those funds for their future capital needs. Accordingly, the ITF recommends that the City Commission:

- **End the use of the ROI mechanism to transfer monies to the General Fund.**

The ITF recommends that the rate-based monies of the water/sewer funds (and other utility systems, including storm-water) should remain available only internally to fund some of the infrastructure needs of those utility systems, and should not, via ROI, be used to offset other City general costs funded through the General Fund; provided however, if the use of ROI mechanism is to be phased out over time, that the phase-out period not exceed 4 fiscal years.

If the Commission agrees with this recommendation, the ITF recommends that the Commission replace the loss of current ROI fund transfers to the General Fund with either: additional ad valorem taxes/revenues or reductions in General Revenue expenses (if possible); or a combination of both.

2 Storm water

The City's current storm water planning (latest update dated January, 2018) is focused on implementing storm water facilities in 7 priority neighborhoods identified by previous studies. The improvements designed for these 7 neighborhoods are estimated to cost between \$150-200 million, which is proposed to be funded by the issuance of revenue bonds supported by storm water utility rates.

Analysis of current storm water rates indicates that the current rate structure is not sufficient to support the debt levels necessary to fund the identified improvements. As a result, the City has analyzed a series of alternative rate structures and methodologies, which would generate sufficient monies to support, needed funding. Accordingly, the ITF recommends that the City Commission:

- **Approve a revised methodology for storm water utility rates, based on a TRIPS- or traffic-based methodology, in order to allow for sufficient rate-based funds to implement the current Storm Water Master Plan; provided that such additional funds are not subject to any ROI-based transfer to the General Fund.**

It must be noted that this set of storm water improvements, for the initial 7 neighborhoods, is just that: the first set of needed storm water improvements. Additional improvements will be necessary in the future.

3 Roads, Sidewalks, and Seawalls

Roadway capacity, traffic congestion, and sidewalk conditions consistently score in the top levels of concerns in the City's annual Neighborhood Surveys.

The ITF believes these infrastructure areas should be funded at higher, annually consistent levels from General Revenue -- through contributions to the General Fund Capital Projects Fund which is the primary, and sometimes only, source of funding for these infrastructure needs. This could allow, for example, for longer term additional roadway repair and resurfacing activities over the 5-year horizon of the City's Capital Improvement Plan ("CIP") -- the mechanism the City uses for capital funding and its programming.

Current General Revenue contributions to capital projects have varied significantly over the last several years: From \$8.7 million in FY 2016, to \$25.8 million in FY 2018 (including a one-time \$13 million injection of funding based on the sale of City surplus property).

The ITF recommends this annual contribution from the General Fund to general capital projects be stable and recurring, in order to allow for both improved capital planning and certainty of funding.

By way of context, as of FY 2018's CIP, the total amount of general capital projects planned and programmed for FY 2018-2022 was: \$ 98.8 million, of which only approximately \$55 million was funded either previously (prior fiscal years) or currently (FY 2018). The currently unfunded amounts for these same projects was \$221.9 million

Accordingly, the ITF recommends that the City Commission:

- **Establish minimum annual General Revenue funded capital contributions to the City's CIP to support the City's broader infrastructure needs, ranging in size from 7-10% of the General Fund operating expenses**

The overall purpose of this recommendation is to begin to have the City reverse a history of dis-investment in the City's infrastructure, with the overall goal to become more proactive as to current and future city on-going infrastructure needs.

4 Impact Fees

The City's impact fee structure has not been updated since 2005.

Accordingly, the ITF recommends that the City Commission:

- **Regularly analyze and update its impact fee structures and fees to ensure that new development is paying 'its fair share' of future infrastructure costs.**

As the City's infrastructure needs evolve and increase over time, it is recommended that the City update its impact fee mechanisms to keep pace with demands of new development's infrastructure demands within the City.

NEXT STEPS

Beyond these interim recommendations, the ITF's work continues.

There are several additional master plans that are not yet completed, or that have yet to be presented to the ITF including:

- A Seawall Master Plan dated February, 2018
- Parking Master Plan, which is currently due to be completed in June, 2016

- An update to a previous space needs analysis of police headquarter/jail for potential implementation to replacement the existing police facilities
- A new water/sewer rate study expected to be completed in September, 2018

Too, there is another set of funding mechanisms that need to be further reviewed and analyzed:

- Use of General Obligation Bonds
- Use of area-specific, or infrastructure specific, Special Assessments
- The potential for use of alternative or innovative financing mechanisms, such as contractual funding mechanisms (e.g.: sales/leasebacks) or public/private partnerships to fund larger or collaborative infrastructure and facility needs
- Use of available local-option gas tax revenues to fund the City's transportation needs.

The ITF will continue its efforts, and will further report to the City Commission as necessary and appropriate.

INTERIM REPORT

INTRODUCTION

Establishment of the ITF. The Infrastructure Task Force (“ITF”) Committee was created by the City Commission in March, 2017, in response to concerns about the City’s infrastructure. These concerns related to a number of areas: the age and the need for upgrading and replacement of the City’s infrastructure assets; the availability and effectiveness of those assets to address the demands of growth of City; and, significantly, the City’s experience with major sewer systems catastrophic failures in the latter half of 2016 which resulted in a series of major spills of untreated sewage.

The ITF’s initial enabling Resolution – Resolution # 17-46, adopted March 7, 2017 **[CHECK]** -- provided for both the composition of the ITF and it’s scope of inquiry.

As to scope, the City Commission directed the ITF to:

Section 2. Purpose and Duties.

That the purpose and duties of the Infrastructure Task Force shall be as follows:

- A. To review existing City infrastructure, including, but not limited to: roads, sidewalks, airports, seawalls, water and wastewater distribution and collection systems, treatment plants, well fields, parks and all City facilities and structures and examine their current condition; and
- B. To review and identify the repair or replacement as well as review and identify funding sources and financing alternatives for those infrastructure improvements; and
- C. To receive input from members of the public interested in infrastructure improvements within the City; and
- D. To provide a report with recommendations to the City Commission regarding improvement priorities as well as financing alternatives for said improvements.

Resolution 17-46. **[CHECK]**

As to the term of the ITF, the City Commission has provided for the ITF to continue until: March 7, 2020. Resolution # 17-281, adopted December 19, 2017. **[CHECK]**

ITF Efforts To Date. In the little more than a year since the ITF was created, the ITF has reviewed, in some detail, most of the City's plans relating to infrastructure including: the City's 30 year water and sewer infrastructure plan; the master plans relating to parks; and the current investigative efforts by the City to address the needs of its aging facilities under the '40 Year Inspection' requirements under Broward County regulations; among others.

Plans. The plans reviewed have ranged in scope from 30-year master plans establishing the needs for entire systems or infrastructure requirements (e.g.: water/sewer needs and parks), to shorter-term plans – with 5-10 year time horizons (e.g.: for roads and sidewalks). Also reviewed were plans that are still on-going -- such as the 40 Year Inspections of City facilities.

Accordingly, and not surprisingly, the various planning data available to define the City's infrastructure needs is varied, of different scopes, and is an on-going process. Planning efforts for the City's infrastructure needs will obviously continue. Most of the plans reviewed and available to the City detailed infrastructure needs and costs are available on the Public Works web link at: <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans>. *CONFIRM LINK*

Funding. In addition to reviewing the available planning documents, the ITF has also tried to review and understand the capital funding processes available to the City.

The range of funding options available to the City is fairly broad - from ad valorem taxes, to the use of the City's Capital Improvement Plan ("CIP") process to 'program' the City's capital expenditures over 5 year periods. Also reviewed was the availability of various debt-funding mechanisms – both General Obligation debt, as well as the possible issuance of Revenue Bonds based on available user-rate based mechanisms available in the water/sewer/storm-water utilities areas.

Again, not surprisingly, the ITF has found that the City's currently available funding sources – in the aggregate and in the absence of potential, as yet unapproved, future General Obligation bonds -- have generally proved insufficient to fully fund currently indentified infrastructure needs.

Outreach. During the month of March 2018, the ITF undertook a series of 'outreach' meetings, in various districts within the City, to solicit input from the public as to their concerns about the City's infrastructure. The responses varied, not surprisingly, by the location and needs of the various districts.

What was surprising was the potential level of public support for paying for additional infrastructure costs; including support for both ad valorem increases, as well as support for General Obligation bonding of longer-term needs such as park

improvements. While not definitive or scientific, these anecdotal experiences indicate that the City's resident may be supportive of paying for additional infrastructure costs.

See the attached **Appendix "A"** – "Summary of Outreach Meetings", for more information about the ITF's outreach efforts, including anecdotal comments.

INTERIM RECOMMENDATIONS

Based on feedback received during the City Commission's policy retreat in May 2018, the Commission has requested ITF to provide 'near-term'/3-year interim recommendations related to the following major infrastructure areas (NOT listed in order of importance):

- Sewer
- Potable Water
- Storm water
- Roads (specifically 'physical' or 'asphalt'-type issues)
- Seawalls

In the longer-term (beyond 3 years) the Commission also asked that the ITF to consider, but not necessarily make current recommendations about, infrastructure issues related to sea-level rise.

Below, organized generally by infrastructure area or by funding source, the ITF makes the following interim recommendations.

A. Sewer/Potable Water.

Background. Issues with respect to water and sewer capacity and the aging and failing nature of these City infrastructure elements - in the downtown and other areas – was a major initial impetus for the creation of the ITF.

Of particular note in this area were the catastrophic failures of major City sewer facilities in the latter half of 2016, which resulted in a series of significant spills of untreated sewage. These spills garnered the attention of the Florida Department of Environmental Protection ("FDEP") and resulted in the beginning of an enforcement action against the City for the spills.

This action has now resulted in the City's entering into of a Consent Order with FDEP, which was approved by the City Commission in September, 2017. **CONFIRM** This Consent Order generally: (i) provides for the inspection of the City's major sewer service systems (e.g.: sewer force mains and pump stations) to determine

whether there are more sewer system elements which are in need of repair or replacement; and (ii) requires the repair or replacement of at least \$97M worth of sewer system elements.

See the attached **Appendix “B”** – “FDEP Consent Order”, for detail about the City’s obligations under the Consent Order.

- **Plans.** A major, long-term 30-year planning study with respect to the City’s water and sewer infrastructure needs and been issued and presented to the Commission.

This study, formally known as the “Comprehensive Utility Strategic Master Plan”, was presented to the Commission on **XX, XXXX [NEED DATE]**. More easily referenced as the “Reiss Report”, this water/sewer master plan reflects the need for more than \$1 billion of water and sewer improvements over the next 30 years.

The Reiss Report is available here: <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans> (Reiss Report as accepted by the City Commission 2017/02/17). While identifying ‘needs’ over the next 30 years – some of them classified as urgent – the Reiss Report makes only limited recommendations as to available funding sources.

- **Funding.** City funding sources for water and sewer needs are primarily based on utility rates charged to users – both individual users and municipal ‘bulk’-users serviced by the City’s regional system(s). These ‘rate-based’ funds are available to the various City ‘enterprise funds’ related to water, sewer, storm water utilities, as well as some other City services. There are several such City enterprise funds – including a parking enterprise fund.

These ‘rate-based’ enterprise fund monies (collected from the users of the systems) can be used to fund water/sewer (or other utilities’) capital infrastructure needs in a number of ways: (i) internally, within the utility funds themselves (a ‘pay-as-you-go’-type mechanism); or (ii) to support Commission-approved revenue bonds to fund the systems’ capital needs using bond debt; or (iii) a combination of both.

The City’s current approach is to fund the water/sewer systems’ capital needs externally, through revenue bonds sold to the bond markets. The last such revenue bond, floated and funded in earlier this year in February/March, 2018, was in the amount of \$200M. These 2018 bond funds have now been allocated by the City to specific projects, and will be used to fund the City’s water and sewer capital infrastructure needs over the next 4-5 years; including the work required under the Consent Order.

As a result of this 2018 revenue bond funding, the near-term funding needs for water/sewer systems have been met. Additional funding needs for these systems,

either as required under the terms of the Consent Order, or based on the longer-term needs identified in the Reiss reports have yet to be estimated or formalized. The City's current intention as to future funding needs is understood to be issuance of additional revenue-bonds approximately every 5 years as-needed.

See the attached **Appendix "C"** – a June 2018 analysis of the use of the March 2018 bond funds and their allocation to Consent Order, the Reiss Report priorities, and other water/sewer needs. **Note:** Approximately \$55+ million of the bond funds were allocated to 'deferred' or otherwise 'now-funded' water/sewer projects, including the Five Ash Water Plant.

See the attached **Appendix "D"** – a November, 2017 "City of Fort Lauderdale Water and Sewer Bonds - Comparison of Level Debt and Aggregate Level Debt Structures", for more information about the City's approach to future debt for Water/Sewer revenue bonds including the ability: to potentially free "rate-based" cash flows to fund future improvements with cash instead of additional debt, and to potentially lower the cost of financing on future debt issuances.

- **ROI.** As part of the consideration of funding mechanisms available to fund water/sewer needs (both current and future), it has to be noted that the 'rate-based' enterprise funds have generally been subject to the City's use of a Return on Investment ("ROI") mechanism to transfer monies away from the water/sewer (and other rate-based) funds to support the City's General Revenue needs, thus reducing pressure on ad valorem tax rates.

This ROI transfer away from utility funds has the effect of reducing the utility funds' ability to internally fund (or partially fund) the utilities' infrastructure needs – the 'pay-as-you go'-approach -- thus forcing a greater reliance on bonded debt (and its attendant interest costs) to finance infrastructure needs.

This financing approach, both the use of revenue bonds and the current ROI transfers is supported, as to cash flow, by annual 5% increases in the water/sewer rates charged to users. This annual increase has the effect of allowing for increases in revenue flows to support both bonded debt and potential ROI transfers.

ITF Water/Sewer Interim Recommendations.

With respect to Water/Sewer infrastructure needs the ITF recommends as follows:

- **End the use of the use of the ROI mechanism to transfer monies to the General Fund.**

The ITF recommends that the rate-based monies of the water/sewer funds (and other utility systems, including storm-water) should remain available internally to

fund some of the infrastructure needs of those utility systems, and should not, via ROI, be used to offset other City general costs funded through ad valorem taxes and the General Fund.

This is particularly true for the water/sewer utility funds given that the Reiss Report anticipated the need for significant additional expenditures within the first 5 years following the study (FY 2017- FY 2021):

“The Central Regional/Wastewater Fund (Fund 451) and Water/Sewer Master Plan Fund (Fund 454) are the two main accounts the City uses to fund wastewater projects. The rates and fees the City charges for water/wastewater services replenish the Fund 451 and Fund 454 account.

The City’s current wastewater system, while functional, requires immediate attention particularly with respect to reducing I/I and preparing for sea level rise. Most of the City’s collection system pipes are over 50 years old and reaching service life end. Based on the analysis in Table WW9- 1 above, the City has a five year funding gap of \$151M for wastewater.”

Reiss Report, page 682. The bulk of the Reiss identified ‘first 5 year’ wastewater needs have now been funded with the proceeds of the 2018 revenue bonds.

The referenced Reiss Table, WW9-1, also shows additional Reiss-defined funding shortfalls, based on the then identified and recommended FY 2017-2022 5-year needs, in the approximate amount of \$300M for those fiscal years – of which approximately \$137M are related to potable water needs. See attached **Appendix E** -- “Reiss table WW9-1”.

Thus, the ITF recommends that water/sewer and other ‘rate-based’ monies, instead of being transferred to the General Fund via ROI, should rather begin to be ‘banked’ (or otherwise accumulated within the relevant funds) in anticipation of the need for additional future capital infrastructure expenditures, or the funding of ‘emergency’ repairs which may arise.

The Reiss report was apparently similarly concerned to try to ‘re-capture’ ROI-transferred dollars for the use and benefit of the utility fund(s):

“The City is transferring over \$20 million a year collected from residents’ water and sewer bills and using the money to cover other City expenses. This is the first source of funding to add to help cover the [wastewater] funding gap. The City should also pursue federal funding for the planned, energy conserving oxygen generation system to help offset the customers costs.”

Reiss Report, page 682.

In addition to the Reiss-identified needs, under the Consent Order with FDEP the City is required to conduct an inventory and assessment of its sewer systems to determine whether additional remedial actions will be required. These additional FDEP-mandated investigations are due to be generally concluded and to be made available for FDEP review within the next 2 years. Although not yet certain, it is possible that this set of Consent Order mandated investigations will yield the need to make additional sewer system improvements – particularly given the age of some of the sewer system’s constituent components.

If the Commission agrees with this recommendation, the ITF recommends that the Commission replace the loss of current ROI fund transfers to the General Fund with either: additional ad valorem taxes/revenues or reductions in General Revenue expenses (if possible); or a combination of both.

B. Storm Water.

Background. Issues with respect to the storm water infrastructure needs of the City have risen in prominence in the as a result of both (i) past neighborhood flooding and the dearth of storm water infrastructure facilities in certain areas of the City, and (ii) more recent concerns relating to future global warming and sea-level rise.

- Plans. The current Storm Water Master plan generally has a 7 ± planning horizon *[CONFIRM]*, and is available here: <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans>. *CONFIRM LINK*

This plan only addresses the needs for storm water facilities in a set of specific 7 ‘high-priority’ neighborhoods within the City, with estimates of needed funding ranging between \$150-200M for the implementation of these identified storm water improvements. *[CONFIRM, NEED REFERENCE]*

- Funding. Currently available City sources for storm water funding needs are based on existing storm water utility rates charged to users (similar to the approach used for water/sewer). The methodology for these existing rates has not been revised since *XXXX [need citation/info]*.

This current storm water rate methodology, as determined by the City’s utility rate consultant (Stantec), is insufficient to fund the needs of the 7 neighborhoods identified in the Storm Water Master plan without the need for significant increases in monthly storm water user fees.

The City administration has therefore studied alternative rate methodologies that could serve not only to update the storm water utility’s rate structure, but also to

expand the rate-based monies flowing into the storm water utility enterprise fund. This update to the rate structure would allow support of proposed revenue bonds sufficient to fund the currently identified set of needed storm water infrastructure improvements.

ITF Storm Water Recommendations.

With respect to Storm Water infrastructure needs the ITF recommends as follows:

- Approve a revised methodology for storm water utility rates, based on a TRIPS- or traffic-based methodology, in order to allow for sufficient rate-based funds to implement the current Storm Water Master Plan; provided that such additional funds are not subject to any ROI-based transfer to the General Fund.

The shift to a TRIPs/traffic-based rate methodology will allow for the expansion of the storm water rate base, will allow for increases in funding streams sufficient to support an initial bonding capacity to fund the Storm Water Master Plan, and will more effectively and efficiently spread the costs of the storm water system to both residential and non-residential users.

The ITF further recommends: (i) that any additional storm water utility monies or funding streams which become available not be subject to any ROI transfers; and (ii) that once approved, the new storm water rate methodology be court-validated for bonding purposes, and then utilized to float revenue bonds sufficient to fund the current Storm Water Master Plan's improvements to the 7 identified neighborhoods.

- Consider use of the storm water fund monies to fund repair or replacement of City-owned seawalls related to storm water management, if appropriate.

The ITF would note that, in certain instances, the repair or replacement of City-owned seawalls might be necessary or important to the provision of effective storm water management. Currently, City-owned seawall capital needs are generally funded annually or episodically through the use of General Fund revenue allocations.

In some likely future instances, in order to allow for effective storm water management, it may be appropriate to use storm water utility monies to fund necessary storm water management-related seawall installation or repairs. This funding approach for certain City-owned seawalls might allow for a more effective implementation of storm water management needs.

C. Roads/Sidewalk/Seawalls.

Background. Capital infrastructure needs and funding sources for non-utility, non-rate-based infrastructure needs of the City – including roads, sidewalks and seawalls, among others -- are analyzed and addressed slightly differently than the funding approach(es) discussed above.

The various planning studies and needs analyses are basically the same, but the planning materials and data here are generally, but not always, based on shorter 5-10 year planning/needs analyses rather than the longer time horizons generally used for the utility studies.

- Plans. The planning studies for these types of infrastructure are also generally available on the Public Works web page, <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans> , or the Parks web page as it relates to the parks or public facilities for which Parks is responsible. [ADD PARKS LINK]

For studies about roads, sidewalks and bridges: see here e.g.: the Bridge Master Plan <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans> and here for the longer-term Parks Master plan. . [ADD PARKS LINK]

A master plan for seawalls has only just recently been finished – February, 2018 – and has not yet been presented or discussed with the ITF.

- Funding. The funding mechanisms for non-utility, non-user rate-based infrastructure are different from those of utilities, and generally broadly fall into 2 main (although not exclusive) categories:

1. Funding provided by direct annual allocation of ad valorem General Revenues via the Commission-approved General Revenue budgets or by project-level approvals also funded as part of the annual budget process; and

2. Funding provided by long-term General Obligation bonding authority approved by the voters by bond referendum.

These types of general capital infrastructure needs are funded primarily by annual budget requests of the Commission for funding via the City's Capital Improvement 5-year Plan ("CIP"). An example of a current FY 2019 departmental CIP request by Public Works is attached as **Exhibit F**—"FY 2019 Public Works CIP Request".

Currently established City policy sets a goal to contribute an annual minimum of 1% of General Fund 'operating expenses' to the City's CIP from general revenue sources. For FY 2018 this established 1% goal would have been \$ 3.3 million.

The City's actual annual general revenue contribution to the CIP, however, have been larger and have varied significantly year-to-year: from \$8.7 million in FY 2016 (2.8% of operating expenses) to \$14.4 million in FY 2017 (4.4% of operating expenses), and to \$25.8 million in FY 2018 (7.0% of operating expenses, including a one-time addition of \$13 million based on the sale of surplus City property).

ITF Roads/ Sidewalks/ Seawalls Interim Recommendations.

Roadway capacity, traffic congestion, and sidewalk conditions consistently score in the top levels of concerns in the City's annual Neighborhood Surveys. These infrastructure areas could be funded at higher, annually consistent levels. This could allow, for example, for longer-term additional roadway repair and resurfacing activities over the 5-year horizon of the CIP.

As an example a July, 2014 "Sidewalk Inspection and Management System" report, outlines a 5-year process for the inspection and repair of sidewalks with a then estimated cost of almost \$16 million. <https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans>.

Accordingly, with respect to roads and sidewalks or other general City infrastructure needs the ITF recommends as follows:

- Establish minimum annual General Revenue funding contributions to the City's CIP to support the City's broader infrastructure needs, ranging in size from 7-10% of the General Fund operating expenses

The City's ad valorem real estate tax rate has remained the same for approximately the last 10 years. The City's infrastructure needs, however, have not remained static. Indeed the opposite, given the need to respond to both the City's growth, and the need to replace and repair aging infrastructure.

The ITF believes these general infrastructure needs should be funded at higher, annually consistent levels from General Revenue-- through the City's General Fund Capital Projects Fund which is the primary, and sometimes only, source of funding for these infrastructure needs. This could allow, for example, for longer term additional roadway repair and resurfacing activities over the 5-year horizon of the City's Capital Improvement Plan ("CIP") -- the mechanism the City uses for capital funding and its programming.

The ITF would like to see this annual contribution from the General Fund to capital projects be stable and recurring, in order to allow for both improved capital planning and certainty of funding.

As of FY 2018's CIP, the total amount of general capital projects planned for FY 2018-2022 was: \$ 98.8 million. The unfunded amounts for these same projects was \$221.9 million

The overall purpose of these recommendations is to begin to have the City reverse a history of dis-investment in the City's infrastructure, with the overall goal to become more proactive as to current and future city on-going infrastructure needs.

D. IMPACT FEES

The City's impact fee structure has not been updated since 2005. *[CONFIRM]*

Accordingly, the ITF recommends that the City Commission:

- Regularly analyze and update its impact fee structures and fees to ensure that new development is paying 'its fair share' of future infrastructure costs.

As the City's infrastructure needs evolve and increase over time, it is recommended that the City update its impact fee mechanisms to keep pace with demands of new development's infrastructure demands within the City.

NEXT STEPS

Beyond these interim recommendations, the ITF's work continues

There are several additional master plans that are not yet completed, or that have yet to be presented to the ITF including:

- A Seawall Master Plan dated February, 2018
- Parking Master Plan, which is currently due to be completed in June, 2016
- An update to a previous space needs analysis of the police headquarter/jail for potential implementation in the future to replace the existing police facilities

Too, there is another set of funding mechanisms that need to be further reviewed and analyzed:

- Use of General Obligation Bonds
- Area-specific, or infrastructure element specific, Special Assessments
- Potential other financing mechanisms

Current initial, non-exclusive thoughts as to these issues:

- As appropriate or necessary consider presenting the voters with General Obligation bond referenda to fund larger capital needs such as, potentially, a

new police headquarters building, or for a longer-term Parks improvement plan to, for example, upgrade and add to the City's park and athletic spaces.

- In addition, also as appropriate or necessary, the City Commission should consider utilizing contractual funding mechanisms (e.g.: sales/leasebacks) or public/private partnerships to fund larger or collaborative infrastructure and facility needs. One example of such a potential 'collaborative' project that has been discussed with the ITF is the potential development, with Broward County and others, of a 'joint governmental campus' in the City's downtown which might effectively serve to replace City hall.

The ITF will continue its efforts, and will further report to the City Commission as necessary and appropriate.

- APPENDIX A:** Summary Of Outreach Meetings
- APPENDIX B:** FDEP Consent Order
- APPENDIX C:** June, 2018 analysis of the use of the March 2018 bond funds and their allocation to Consent Order, the Reiss Report priorities, and other water/sewer needs.
- APPENDIX D:** November, 2017 “City of Fort Lauderdale Water and Sewer Bonds - Comparison of Level Debt and Aggregate Level Debt Structures”
- APPENDIX E:** Reiss Reports Table WW9-1, reflecting Reiss-defined priority needs for FYs 2017-2022
- APPENDIX F:** “FY 2019 Public Works CIP Request”.
- APPENDIX G:** Portion of the FY2018 Adopted CIP reflecting current funding for general infrastructure programs

[MORE?]

Re: Infrastructure Task Force District Outreach Meetings - Summary

The Infrastructure Task Force (ITF) conducted Outreach Meetings for neighbors to express their concerns and priorities relating to infrastructure issues at the direction of the City Commission, per the Joint Workshop held on December 6, 2017. One Outreach meeting was held in each of the four districts from 7:00 PM to 9:00 PM:

- District 1, on March 19, 2018 at the Beach Community Center
- District 2, on March 27, 2018 at Holiday Park
- District 3, on March 21, 2018 at Joseph Carter Park
- District 4, on March 22, 2018 at Hortt Park

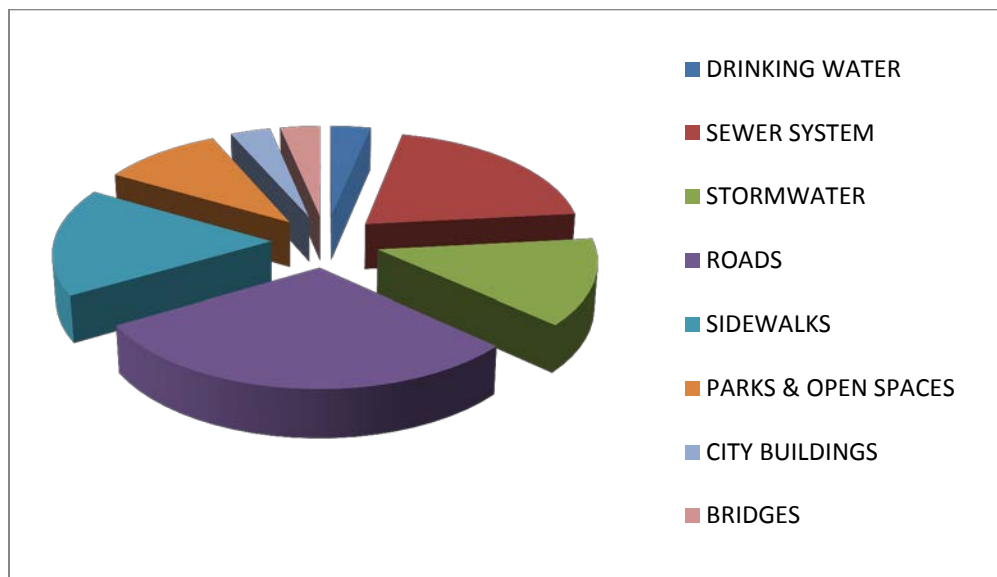
It was determined that the meetings should take place after the March 13, 2018 city elections. The topics were determined by identified issues of priority as directed by Mayor Seiler at its June 5, 2017 meeting; as well as, priorities identified by the Consent Order, Emergency Declaration and subsequent issues determined by the Board. The eight topics were:

1. Drinking water
2. Sewer System
3. Stormwater
4. Roads
5. Sidewalks
6. Parks and Open Spaces
7. City Buildings
8. Bridges

Chairperson Marilyn Mammano hosted the four meetings. Four or more board members were present at each meeting. Each neighbor attending was tasked with providing his/her top three infrastructure concerns. Percentages represent the votes given to each concern divided by the number of attendees. The top three concerns in each district are bolded.

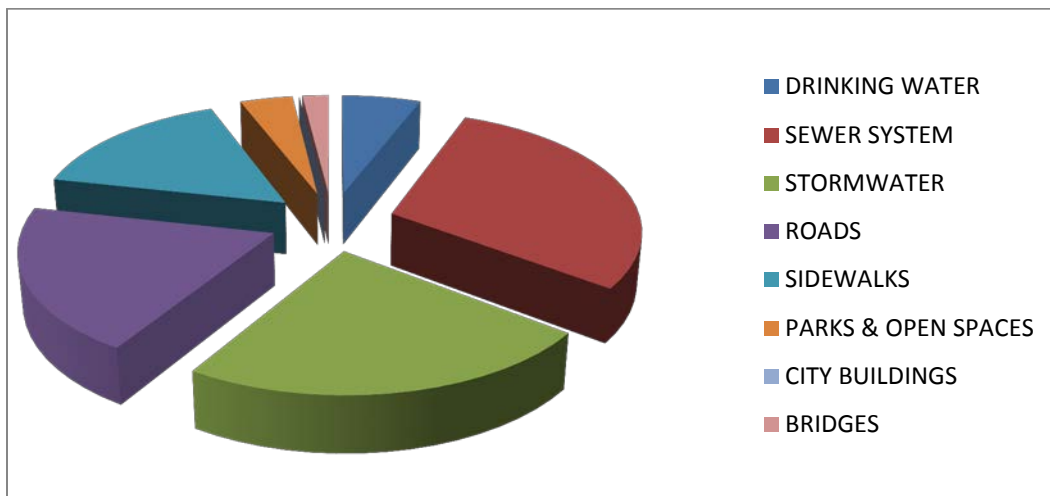
DISTRICT 1, MARCH 19, 2018

TOPICS	NO. OF DOTS
DRINKING WATER	3%
SEWER SYSTEM	20%
STORMWATER	13%
ROADS	30%
SIDEWALKS	17%
PARKS & OPEN SPACES	10%
CITY BUILDINGS	3%
BRIDGES	3%



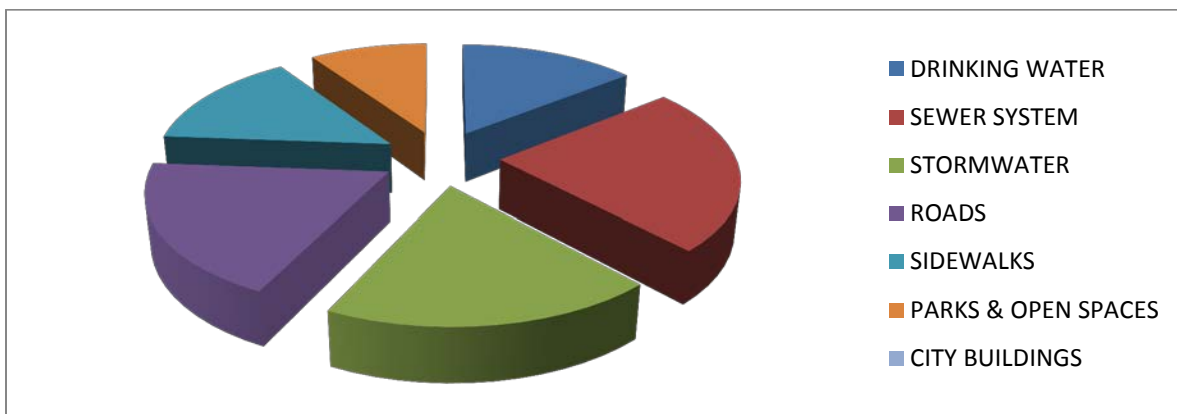
DISTRICT 2, MARCH 27, 2018 HOLIDAY PARK

TOPIC- Dots Received	
DRINKING WATER	6%
SEWER SYSTEM	29%
STORMWATER	24%
ROADS	20%
SIDEWALKS	16%
PARKS & OPEN SPACES	4%
CITY BUILDINGS	0%
BRIDGES	2%



DISTRICT 3, MARCH 21, 2018 JOSEPH CARTER PARK

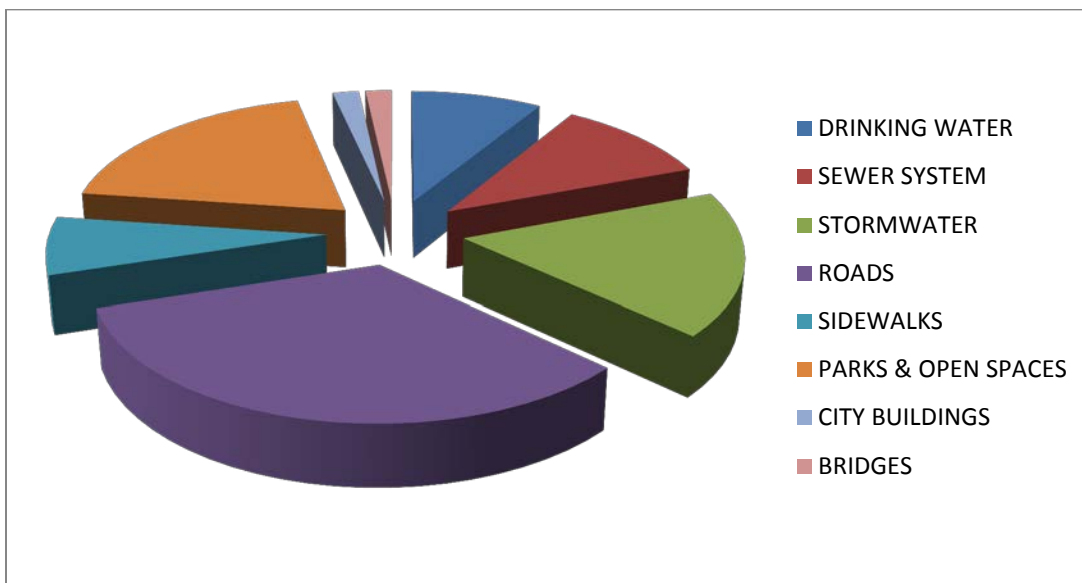
DRINKING WATER	14%
SEWER SYSTEM	24%
STORMWATER	19%
ROADS	19%
SIDEWALKS	14%
PARKS & OPEN SPACES	10%
CITY BUILDINGS	0%
BRIDGES	0%



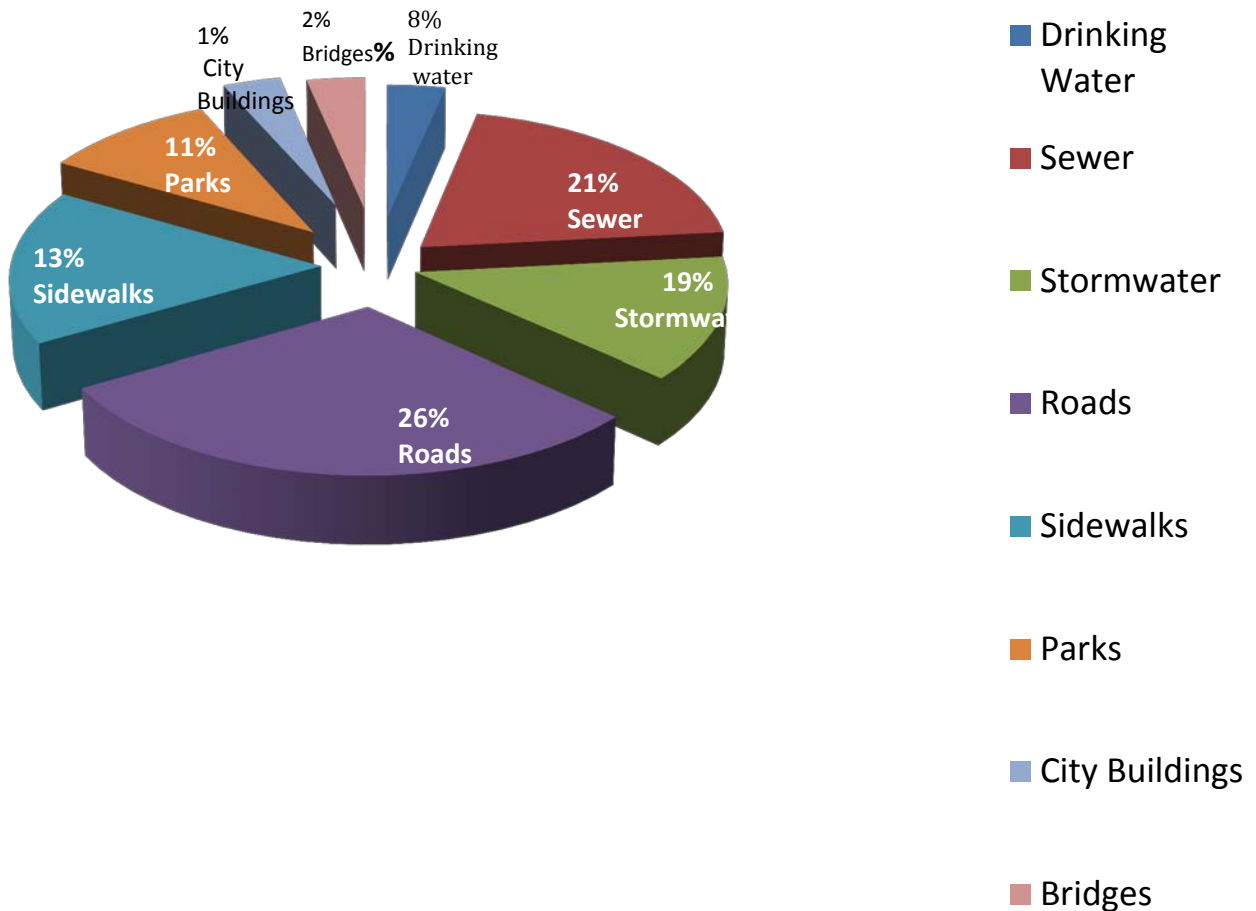
DISTRICT 4, March 22, 2018 Hortt Park

TOPIC	
DRINKING WATER	9%

SEWER SYSTEM	11%
STORMWATER	18%
ROADS	33%
SIDEWALKS	7%
PARKS & OPEN SPACES	19%
CITY BUILDINGS	2%
BRIDGES	2%



City-Wide Concerns Infrastructure Task Force Outreach Meetings



Summary of Concerns Infrastructure Task Force Outreach Meetings

A number of comments were made under the general headings listed below. There is no order of importance and several comments had multiple persons stating the same/similar concerns. The comments listed include concerns of operation or maintenance which remain outside the venue of the Infrastructure Task Force. Recordings of the meetings are available upon request

ROADS:

- "Cut through" traffic on formerly quiet residential streets
- Traffic lights not in sync several lights to get through intersections creates cut through issues to neighborhoods
- Bridge openings too slow and during peak traffic hours
- length of time MOT barriers are in place and no work being done
- tearing up the same roads too often.
- A1A too narrow for EMS vehicles
- Better coordination with County and State projects to minimize the same road under construction
- Bike lanes for and against
- Need for small shuttle type buses that run frequently
- Developers creating traffic congestion due to design of ingress/egress (Trader Joes)
- All buses have a pull out
- Roundabouts, pros and cons

SEWER:

- Smells from GTL and manholes
- Amount of sewage spilled into the waterways
- Health concerns for water sports
- Developers not paying fair share of impact fees
- Capacity of pipes from new development to plant not being taken into account
- Lifespan of pipe lining vs replacement
- Inflow/Infiltration
- Water & Sewer dollars diverted to other city matters
- 5% yearly increase in fees
- GTL in a flood zone what is the backup
- Diverting money from Water and Sewer to other City matters

STORMWATER:

- Flooding and property value

- Cost to repair and increasing fees
- Seawalls
- Climate change and sea level rise accounted for in all planning and construction
- Swales
- Rate structure of fees
- Flooding areas not part of the Master Plan (Melrose Manors)
- Sink holes -2-3 months to fix
- Maintenance schedule for storm drains
- Many cars lost to flooding – no city action (Dorsey Riverbend)
- Road by canal – needs lights on long poles to mark where street ends and canal begins when flooding.

SIDEWALKS:

- Install on heavy traffic streets in each neighborhood
- Installed, repaired, maintained by City
- Takes from swale both esthetic and drainage concerns
- Not wanted everywhere
- ADA and crosswalks insufficient on busy street (Sistrunk)
- Wider sidewalks for ADA
- Widen street vs adding or widening sidewalks
- Broken sidewalks and liability for slip and falls
- FPL has poles in middle of sidewalk
- Sidewalks cut property in half
- Sidewalks lessen swales for absorption of water
- Concern for the vulnerable citizens safety and mobility
- With 12,000 residential units in downtown, built, building and planned, sidewalks should be mandatory – people walking in the street

PARKS:

- Maintain parks don't add any new
- Pocket parks attract homeless
- Playground equipment over 30 years old
- Parks every 6 blocks
- More staff to add activities and safety
- Safety from drugs and other similar behaviors
- Contaminated - Lincoln Park and Wingate
- Park assessment ok only if money goes to parks
- Use vacant lots for pocket parks
- Environmental and equitable justice (Flagler Village vs Sistrunk)
- Fence around Riverland Park
- More pickle ball indoors
- Do not stop senior activities when school is out for children's activities - balance

DRINKING WATER:

- Testing for contaminants (Flint MI)

- Frequency of testing
- Water color
- Use of gray water plan

BRIDGES

- FEC RR bridge suggest it opens only 16 times instead of 32 by timing better
- Freight and RR use growing – would like FEC to do an APP to let boaters and traffic know when the trains will be stopping traffic or opening bridges to allow route planning

CITY BUILDINGS

- No comments

GENERAL COMMENTS

- Do a grid of needs vs. wants vs costs from high to low to determine priorities
- Moratorium for construction until sewer infrastructure is repaired
- Lining cutting the diameter of the pipe – Ralph explained about tradeoff for more coefficient flow
- Does the City look at “best practices” research what other cities are doing?
- Transparency with how money is being spent and whether it is being used for the purpose it is collected



Florida Department of Environmental Protection

Southeast District Office
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
561-681-6600

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

September 29, 2017

Ms. Ronda Montoya Hasan
Assistant City Attorney
Office of the City Attorney
100 N Andrews Ave.
Ft. Lauderdale, FL 33301
Via U.S. Mail

Re: Consent Order
OGC File No. 16-1487
Broward County

Dear Ms. Montoya Hasan:

Enclosed for your implementation is the fully executed Consent Order in the above-styled case. Please familiarize yourself with the compliance dates and terms of the Consent Order so the complete and timely performance of those obligations is accomplished.

Thank you for your cooperation in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer K. Smith".

Jennifer K. Smith
District Director
Southeast District

jks/ja

Enclosure

cc: Jason Andreotta, FDEP SED, Jason.Andreotta@dep.state.fl.us
Kirk White, FDEP OGC, Kirk.White@dep.state.fl.us

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA, DEPARTMENT)	IN THE OFFICE OF THE
OF ENVIRONMENTAL PROTECTION)	SOUTHEAST DISTRICT
)	
v.)	OGC FILE NO. 16-1487
)	
CITY OF FORT LAUDERDALE)	
_____)	

CONSENT ORDER

This Consent Order (Order) is entered into between the State of Florida Department of Environmental Protection (Department) and the City of Fort Lauderdale (Respondent) to reach settlement of certain matters at issue between the Department and the Respondent.

The Department finds and the Respondent neither admits nor denies the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to protect Florida's air and water resources and to administer and enforce the provisions of Chapter 403, Florida Statutes (F.S.), and the rules promulgated and authorized in Title 62, Florida Administrative Code (F.A.C.). The Department has jurisdiction over the matters addressed in this Consent Order.

2. The Respondent is a municipal corporation in the State of Florida and a person within the meaning of Section 403.031(5), F.S.

3. The Respondent is the owner and is responsible for the operation of the following:

a) The G.T. Lohmeyer Wastewater Treatment Plant, a 56.6 million gallons per day, pure oxygen activated sludge facility with secondary effluent disposed of via 5 deep injection wells (Facility). The Facility is operated under Wastewater Permit No. FLA041378-014 (Permit), which was issued by the Department on May 4, 2016, and will expire on September 6, 2021. The Facility is located at 1765 SE 18th Street, Fort Lauderdale, Florida, 33309, in Broward County, Florida (Property). The Respondent owns the Property on which the Facility is located.

b) The domestic wastewater collection and transmission system (Collection System) serves the Respondent and its customers. The Collection System delivers the collected wastewater to the Facility for treatment and disposal.

4. The Department makes the following findings of fact and conclusions of law to which the Respondent neither admits nor denies:

a) During the period from January 1, 2014 to the effective date of this Consent Order, the City released untreated wastewater from the Collection System into surface waters and/or groundwaters of the State as follows:

Date	Volume (gallons)	Date	Volume (gallons)	Date	Volume (gallons)	Date	Volume (gallons)
02/05/17	123,041	12/30/16	17,460	10/29/15	177,250	12/22/14	73,815
4/28/17	1,500	12/19/16	145,887	10/26/15	100,965	11/16/14	4,200
4/30/17	1,350	12/17/16	2,545,560	10/23/15	279,930	07/16/14	46,575
5/19/17	9,874	12/01/16	4,820	10/20/15	13,500	07/10/14	24,480
5/26/17	154,270	07/18/16	79,800	10/14/15	1,000	05/18/14	212,500
6/14/17	3,000	06/23/16	10,620,000	10/08/15	2,000	05/06/14	4,000
6/19/17	3,900	06/23/16	3,217,501	09/28/15	76,308	03/31/14	1,600
6/30/17	3,000	6/23/16	852,499	09/20/15	2,000		
8/4/2017	2,000	06/22/16	1,000	09/06/15	10,000		
8/28/2017	100,000	03/18/16	94,828	08/19/15	8,000		
8/30/2017	1,000	02/16/16	1,820,000	07/31/15	3,600		
8/31/2017	23,730	02/14/16	1,000	07/05/15	5,000		
		01/07/16	6,525	06/29/15	3,335		
				05/09/15	50,400		
				04/30/15	25,000		
				01/26/15	1,500		
				01/22/15	12,900		

b) The Department finds that the foregoing releases in Paragraph 4(a) violate Rule 62-604.130, F.A.C.

5. This Consent Order has been entered into by the Respondent for the purposes of settlement only. Accordingly, neither the recitals nor the Department's findings in this Consent Order, nor the terms and conditions of this Consent Order, nor the Respondent's compliance with those terms and conditions, shall be construed in any legal or administrative action, proceeding

or litigation, as an admission that the Respondent has violated any statute, regulation, or ordinance or has otherwise committed a breach of any duty at any time, or of any fact, inference or conclusion of law.

Having reached a resolution of the matter, the Respondent and the Department mutually agree and it is hereby **ORDERED**:

6. Respondent shall comply with the following corrective actions within the stated time periods:

a) No later than February 28th, 2018, the Respondent shall replace approximately 1900 linear feet (lf) of 12" diameter force main at high risk of failure along Las Olas Blvd. The cost of this project is estimated at \$1,500,000.00.

b) No later than May 31st, 2018, the Respondent shall replace approximately 11,620 lf of failing 30" diameter force main that connects Repump Station A, located on Sistrunk Blvd, to the force main located at the intersection of SW 6th Ave and 7th St. The cost of this project is estimated at \$8,700,000.00.

c) No later than September 30th, 2020, the Respondent shall complete the pump station rehabilitation and replacement projects listed in ***Exhibit A: Phase I Projects***, in order to facilitate existing flows capacity and future projected increase in demands.

d) No later than September 30th, 2020, the Respondent shall complete the infiltration/inflow (I/I) projects listed in ***Exhibit B: Phase I Projects***, in order to reduce flows and lower peak demands and stresses on the system during rain events.

e) No later than September 30th, 2026, the Respondent shall complete the following force main rehabilitation projects listed in ***Exhibit C of Phase II Projects***, in order to repair and/or replace the infrastructure with the highest risk of failure.

f) **Existing Schedule:** Within 90 days of the effective date of this Consent Order, the Respondent shall provide to the Department the existing schedule for repair, upgrade, or replacement of existing Collection System assets during the next 2 years, including schedules for repair, upgrade, or replacement of the existing force mains, gravity mains, isolation and other control valves, air release valves, access and conflict manholes, and pump stations.

g) **Mapping Plan:** Within 9 months of the effective date of this Consent Order, the Respondent shall submit a Plan to the Department for review and comment detailing

how the Respondent will develop a complete map of the existing Collection System within the City's geographic boundaries, including all existing or in-construction force mains, gravity mains, isolation and other control valves, air release valves, access and conflict manholes, pump stations, and directional flow routes of each of these components to pump stations and the receiving Facility. The Department will provide comments on the Mapping Plan within 30 days of submittal by Respondent. Mapping will include both existing and under-construction components. Directional flows, including flows to any alternate Facility not belonging to the Respondent, will be shown on the maps. Inactive mains and related appurtenances with shut-off valves should be illustrated and highlighted to define their unique operationally inactive status. Maps will be maintained in such a manner that they can be accessed quickly and easily by maintenance and repair crews at all times and from multiple locations, to facilitate prompt and efficient responses to emergencies. As new construction is completed, the Respondent will incorporate as-built drawings of the new components into the maps. Within 21 months of the effective date of this Consent Order, the Respondent shall certify to the Department in writing that mapping is complete in accordance with the terms of this paragraph. Respondent shall contemporaneously provide the Department with a description of the storage and retrieval methods and the availability of the maps to City field staff.

h) **Force Main Condition Assessment:** Within 10 months of the effective date of this Consent Order, the Respondent shall submit to the Department for review and comment a plan for completing an assessment of the current condition of all force mains in the collection system within the Respondent's jurisdiction, in sufficient detail that the resulting assessment can be used to schedule improvements of aging or deteriorating pipes, connections, valves, and appurtenances. The plan shall include the methods to be used and a schedule for conducting the assessment. The Department will provide comments on the Force Main Condition Assessment within 30 days of submittal by Respondent. The final completion date for the assessment shall be no later than 18 months from the date of Respondent's receipt of Department comments on the plan. Within 60 days of completion of the assessment, the Respondent shall submit to the Department a report summarizing the results of the condition assessment.

i) **Asset Management and CMOM Program Development Plan:** Within 11 months of the effective date of this Consent Order, the Respondent shall submit for

Department review and comment a plan to develop an Asset Management and Capacity, Management, Operations and Maintenance Program (AM and CMOM Program). The Department will provide comments on the AM and CMOM Plan within 30 days of submittal by Respondent. The plan shall describe how the Respondent will develop the AM and CMOM Program, including the items required in Subpara. 6(k) below, and follow the Environmental Protection Agency's (EPA) guidance in the following references, available along with additional references via www.epa.gov:

- EPA 305-B-05-002, *Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems*
- EPA 816-F-08-014, *Asset Management: A Best Practices Guide*

j) **Capacity Evaluation:** Within 20 months of the effective date of this Consent Order, the Respondent shall complete an evaluation of the capacity of the Collection System, including all existing force mains, gravity mains, and pump stations. Within 22 months of the effective date of this Consent Order, the Respondent shall submit to the Department a report summarizing the results of the capacity evaluation, specifically identifying any assets with insufficient capacity for current and known projected demands over the next 10 years.

k) **Asset Management and CMOM Program:** Within 18 months of Respondent's receipt of the Department's comments on the AM and CMOM Program Development Plan required in Subpara. 6(i) above, the Respondent shall submit for Department review and comment the written AM and CMOM Program for ongoing management of the Collection System. The Department will provide comments on the AM and CMOM Program within 30 days of submittal by Respondent. The Program shall be consistent with the EPA guidance referenced in Subpara. 6(i) above, and shall include the following:

- i) a description of grease trap ordinance requirements and the compliance monitoring and enforcement program conducted by the Respondent;
- ii) a description of how and when information from the mapping, capacity evaluation, force main condition assessment, manufacturer's maintenance and replacement recommendations, spill data, gravity sewer information, and other pertinent sources will be stored, periodically updated, and used in the ongoing Program;
- iii) a description of how repairs, upgrades, and replacement of

Collection System assets will be determined to be needed, prioritized, authorized, and funded, with priority given to those assets identified as critical within the City's Master Plan.

l) **Asset Management and CMOM Program Schedules:** At the time Respondent submits the Asset Management and CMOM Program to the Department for review and comment, Respondent shall also submit for Department review and approval (the Department shall provide a written response to the Respondent within 30 days of receipt) the Asset Management and CMOM Program Schedules listed below:

i) a schedule for implementing the AM and CMOM Program, including when any software upgrades or integrations needed for initial implementation of the Program will be completed and put into service, when databases the software relies upon will be populated with the information from the sources listed in 6(k)(ii) above, and when the AM and CMOM Program will be fully incorporated into planning, funding, procuring resources, and scheduling work;

ii) a schedule showing the completion date for construction of each Phase II Improvement Project identified in Exhibit C;

iii) a schedule for any other projects that need to be added to Phase II, as identified by the Force Main Condition Assessment.

m) Unless otherwise specified herein, Respondent has the right to challenge any final agency action including any determination by the Department hereunder, pursuant to Chapter 120 Fla. Stat. At the election of either the Respondent or Department, the Respondent and Department shall schedule an informal meeting to attempt a good faith resolution of any disputes that may arise under decision made hereunder; thereafter to the extent that the Respondent or Department remain aggrieved, the Department and Respondent may exercise any rights they may have under applicable statutes and administrative code rules.

n) Upon approval by the Department, the AM and CMOM Program implementation schedule and the Phase II improvements schedule shall be incorporated herein as enforceable parts of this Consent Order. It is the Respondent's responsibility to complete planning, budgeting and funding allocation, permitting, procurement, bidding and awarding each project, and initiation of construction on a schedule that will result in completion of construction by the dates required in this Consent Order. However, subsequent changes to schedules adopted

pursuant to this Consent Order may be modified by mutual agreement of the Parties in writing.

o) Every 6 calendar months after the effective date of this Consent Order, the Respondent shall submit to the Department a written progress report on the status and progress of projects being completed under this Consent Order, including the following information:

- i) the status of compliance or noncompliance with the applicable requirements of this Consent Order, and any reasons for noncompliance;
- ii) the status of each of the Phase I and II projects listed in Exhibit A, B, and C; and
- iii) a projection of the work the Respondent will perform pursuant to this Consent Order during the 12-month period following the report.

p) The Respondent shall submit progress reports to the Department on or before July 31, for the period from January 1 through June 30, and on or before January 31, for the period from July 1 through December 31 each year.

7. Notwithstanding any other time periods described above, Respondent shall complete all corrective actions required by Paragraph 6 on or before September 30, 2026, and be in full compliance with Chapter 62-604, F.A.C., other than those excused delays agreed to by the Parties, as described in Paragraph 17.

8. Within 180 days of the effective date of this Consent Order, Respondent shall submit to the Department an updated written estimate of the total cost of the corrective actions in Subpara. 6(a) through 6(l), including costs of the Phase I improvements. Within 180 days of the completion of the Force Main Condition Assessment, Respondent shall submit to the Department an updated written estimate of the total cost of the Phase II projects in Exhibit C, along with the costs for any other assets in need of repairs, rehabilitation, or replacement as identified by the Force Main Condition Assessment. Each written estimate shall identify the information Respondent relied upon to provide the estimate.

9. Respondent agrees to pay to the Department stipulated penalties in the amount of \$100.00 per day for each and every day Respondent fails to comply with paragraphs 6 through 8 and 26 of this Consent Order.

10. For each day an unauthorized discharge from the Facility or the Collection System occurs during the effective period of this Consent Order, that do not qualify as Excusable

Discharges, as defined in subparagraph 10.b), below, Respondent agrees to pay stipulated penalties as follows:

a)	<u>Amount per day per Discharge</u>	<u>Discharge Volume</u>
	\$500.00	Up to 5,000 gallons
	\$1,000.00	5,001 to 10,000 gallons
	\$2,500.00	10,001 to 25,000 gallons
	\$5,000.00	25,001 to 100,000 gallons
	\$10,000.00	In Excess of 100,000 gallons

b) The Department will evaluate each spill on a case-by-case basis to determine whether the spill was beyond Respondent's reasonable control; whether Respondent is exercising prudent wastewater utility practices to reduce the frequency of spills; and whether Respondent took timely and appropriate actions to reduce the environmental impact of the spill(s). A stipulated penalty will be applied to any spill where Respondent fails to provide the Department with sufficient information to demonstrate that the spill qualifies as an Excusable Discharge. For the purposes of this Order, an Excusable Discharge is a spill that resulted from a temporary, infrequent incident that was beyond the reasonable control of Respondent.

Excusable Discharges include, but are not limited to the following:

- i) Extraordinary acts of nature, including but not limited to, rainfall equal to or 6 inches of rain in a 24-hour period, hurricanes, tropical storms, extreme high-tide events, tornadoes, wild fires, lightning strikes, or events where a State of Emergency is declared;
- ii) Actions by third parties unrelated to Respondent, including construction accidents, vehicular accidents, or vandalism; actions related to a contractor acting on behalf of Respondent is not an Excusable Discharge.
- iii) Blockages that could not be prevented by reasonable measures and due diligence;
- iv) Unexpected sudden structural, mechanical, or electrical failure that could not be avoided by reasonable measures and due diligence; and
- v) Spills that are attributable to parts of the Collection System that are undergoing rehabilitation that could not be avoided by reasonable measures and due diligence.

11. The Department may demand stipulated penalties on an annual basis at any time after violations occur beginning upon the effective date of this Order. Respondent shall pay

stipulated penalties owed within 60 days of the Department's issuance of written demand for payment, and shall do so as further described in paragraph 14, below. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any terms of this Consent Order. Any stipulated penalties assessed under this Paragraph shall be in addition to civil penalties agreed to in Paragraph 12 of this Order.

12. Within 90 days of the effective date of this Order, Respondent shall pay the Department \$339,577.00 in settlement of the regulatory matters addressed in this Consent Order. This amount includes \$334,577.00 for civil penalties and \$5,000.00 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Order.

13. In lieu of making cash payment of \$334,577.00 in civil penalties as set forth in Paragraph 12 above, Respondent may elect to off-set this amount by implementing an in-kind penalty project, which must be approved by the Department. An in-kind project must be either an environmental enhancement, environmental restoration or a capital/facility improvement project. The Department may also consider the donation of environmentally sensitive land as an in-kind project. The value of the in-kind penalty project shall be one and a half times the civil penalty off-set amount, which in this case is the equivalent of at least \$501,865.50. If Respondent chooses to implement an in-kind project, Respondent shall notify the Department of its election by certified mail within 15 days of the effective date of this Consent Order. If Respondent elects to implement an in-kind project as provided in this Paragraph, then Respondent shall comply with all the requirements and time frames in Exhibit D entitled In-Kind Projects. Notwithstanding the election to implement an in-kind project, payment of the remaining \$5,000.00 in costs must be paid within 30 days of the effective date of this Consent Order.

14. Respondent shall make all payments required by this Consent Order by cashier's check, money order, City check or on-line payment. Cashier's check, money order, or City check shall be made payable to the "Department of Environmental Protection" and shall include both the OGC number assigned to this Consent Order and the notation "Water Quality Assurance Trust Fund." Online payments by e-check can be made by going to the DEP Business Portal: <http://www.fldepportal.com/go/pay/>. It will take several days after this Order is final, effective,

and filed with the Clerk of the Department before ability to make online payment is available.

15. Except as otherwise provided, all submittals required by this Order shall be submitted via email at sed.wastewater@dep.state.fl.us, or sent to Wastewater Compliance Assurance Program, Department of Environmental Protection, 3301 Gun Club Road, MSC 7210-1, West Palm Beach, FL 33406.

16. Respondent shall allow all authorized representatives of the Department access to the Facilities and the Properties at reasonable times for the purpose of determining compliance with the terms of this Consent Order and the rules and statutes administered by the Department.

17. If any event, including administrative or judicial challenges by third parties unrelated to Respondent, occurs which causes delay or the reasonable likelihood of delay in complying with the requirements of this Consent Order, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of Respondent and could not have been or cannot be overcome by Respondent's due diligence. Neither economic circumstances nor the failure of a contractor, subcontractor, materialman, or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines shall be considered circumstances beyond the control of Respondent (unless the cause of the contractor's late performance was also beyond the contractor's control). Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall notify the Department by the next working day of the event and shall, within seven calendar days, notify the Department in writing of (a) the anticipated length and cause of the delay, (b) the measures taken or to be taken to prevent or minimize the delay, and (c) the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended. The agreement to extend compliance must identify the provisions extended, the new compliance date or dates, and the additional measures Respondent must take to avoid or minimize the delay, if any. Failure of Respondent to comply with the notice requirements of this paragraph in a timely manner constitutes a waiver of Respondent's right to request an extension of time for compliance for those circumstances.

18. The Department, for and in consideration of the complete and timely performance

by Respondent of all the obligations agreed to in this Consent Order, hereby waives its right to seek judicial imposition of damages or civil penalties for the violations described above up to the date of the filing of this Consent Order. This waiver is conditioned upon Respondent's complete compliance with all of the terms of this Consent Order.

19. This Consent Order is a settlement of the Department's civil, administrative, and delegated authority arising under Chapter 403, Florida Statutes, to resolve the matters addressed herein. This Consent Order is not a settlement of any criminal liabilities which may arise under Florida law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law. Entry of this Consent Order does not relieve Respondent of the need to comply with applicable federal, state, or local laws, rules, or ordinances.

20. The Department hereby expressly reserves the right to initiate appropriate legal action to address any violations of statutes or rules administered by the Department that are not specifically resolved by this Consent Order.

21. Respondent is fully aware that a violation of the terms of this Consent Order may subject Respondent to judicial imposition of damages, civil penalties up to \$10,000.00 per day per violation, and criminal penalties.

22. Respondent acknowledges and waives its right to an administrative hearing pursuant to sections 120.569 and 120.57, F.S., on the terms of this Order other than a dispute as described in paragraph 6(l).. Respondent also acknowledges and waives its right to appeal the terms of this Order pursuant to section 120.68, F.S.

23. Electronic signatures or other versions of the parties' signatures, such as .pdf or facsimile, shall be valid and have the same force and effect as originals. No modifications of the terms of this Order will be effective until reduced to writing, executed by both Respondent and the Department, and filed with the clerk of the Department.

24. The terms and conditions set forth in this Consent Order may be enforced in a court of competent jurisdiction pursuant to sections 120.69 and 403.121, F.S. Failure to comply with the terms of this Order constitutes a violation of section 403.161(1)(b), F.S.

25. This Consent Order is a final order of the Department pursuant to section 120.52(7), F.S., and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, F.S. Upon

the timely filing of a petition, this Consent Order will not be effective until further order of the Department.

26. Respondent shall publish the following notice in a newspaper of daily circulation in Broward County, Florida. The notice shall be published one time only within 15 days of the effective date of the Consent Order. Respondent shall provide a certified copy of the published notice to the Department within 10 days of publication.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF CONSENT AGREEMENT

The Department of Environmental Protection ("Department") gives notice of agency action of entering into a Consent Order with the City of Fort Lauderdale, pursuant to section 120.57(4), Florida Statutes. The Consent Order addresses alleged unpermitted wastewater and effluent discharges from the City's wastewater facilities and associated wastewater collection/transmission systems to State waters, and the implementation plan to minimize further discharges. The Consent Order is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Persons who are not parties to this Consent Order, but whose substantial interests are affected by it, have a right to petition for an administrative hearing under sections 120.569 and 120.57, Florida Statutes. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition concerning this Consent Order means that the Department's final action may be different from the position it has taken in the Consent Order.

The petition for administrative hearing must contain all of the following information:

- a) The OGC Number assigned to this Consent Order;
- b) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding;
- c) An explanation of how the petitioner's substantial interests will be affected by the

Consent Order;

- d) A statement of when and how the petitioner received notice of the Consent Order;
- e) Either a statement of all material facts disputed by the petitioner or a statement that the petitioner does not dispute any material facts;
- f) A statement of the specific facts the petitioner contends warrant reversal or modification of the Consent Order.
- g) A statement of the rules or statutes the petitioner contends require reversal or modification of the Consent Order; and
- h) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Consent Order.


The petition must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS# 35, Tallahassee, Florida 32399-3000 within 21 days of receipt of this notice. A copy of the petition must also be mailed at the time of filing to the District Office at Florida Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. Failure to file a petition within the 21-day period constitutes a person's waiver of the right to request an administrative hearing and to participate as a party to this proceeding under sections 120.569 and 120.57, Florida Statutes. Before the deadline for filing a petition, a person whose substantial interests are affected by this Consent Order may choose to pursue mediation as an alternative remedy under section 120.573, Florida Statutes. Choosing mediation will not adversely affect such person's right to request an administrative hearing if mediation does not result in a settlement. Additional information about mediation is provided in section 120.573, Florida Statutes and Rule 62-110.106(12), Florida Administrative Code.

27. Rules referenced in this Order are available at:

<http://www.dep.state.fl.us/legal/Rules/rulelist.htm>.

CITY OF FORT LAUDERDALE

ATTEST:



Jeffrey A. Modarelli, City Clerk
City Clerk



John P. "Jack" Seiler, Mayor
Mayor

(SEAL)



Lee R. Feldman, City Manager

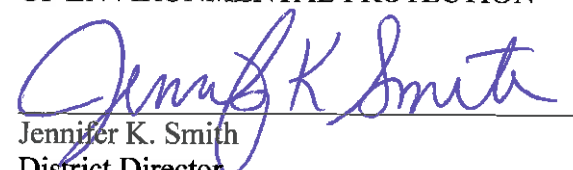
Approved as to Legal Form



Rhonda Montoya Hasan
Assistant City Attorney

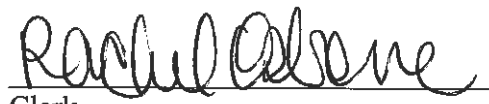
DONE AND ORDERED this # day of Month, 2017, in Palm Beach County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

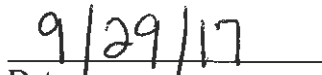


Jennifer K. Smith
District Director
Southeast District

Filed, on this date, pursuant to section 120.52, F.S., with the designated Department Clerk,
receipt of which is hereby acknowledged.



Clerk



Date

Copies furnished to:
Lea Crandall, Agency Clerk

Mail Station 35

EXHIBIT A
Phase I Projects

Project #	Phase I Project Name	Description	Preliminary Cost Estimate
454-P12124.454-6599	Central Beach Alliance PSD41	Replace pump station #PSD41	\$2,200,000
454-P12202.454-6599	Pump Station D-11	Flow analysis & design for pump station rehabilitation	\$500,000
454-P12133.454-6599	Pump Station A-13	Redirect E of F for pump station A-13	\$2,100,000
454-P11879.454-6599	Pump Station B-10	Rehabilitate pump station B-10	\$1,500,000
454-P11881.454-6599	Pump Station D-45	Replace pump station D-45	\$525,000
Preliminary Cost Estimate for Phase I Projects listed here			\$6,825,000

EXHIBIT B

Phase I Projects

Project #	Phase I Project Name	Description	Preliminary Cost Estimate
454-P11563.454-6599	Victoria Park Sewer Basin A-19	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$5,352,000
454-P11566.454-6599	Rio Vista Sewer Basin D-43	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$2,960,000
454-P11991.454-6599	Downtown Pump Station A-7	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$8,224,000
454-P12049.454-6599	Flagler Heights Sewer Basin A-21	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$883,000
454-P12055.454-6599	Sewer Basin A-18	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$4,198,000
454-P12001.454-6599	Sewer Basin D-40	Rehabilitate main line sewers, manholes, and service laterals to reduce infiltration & inflow	\$100,000
Preliminary Cost Estimate for Phase I Projects listed here			\$21,717,000

EXHIBIT C
Phase II Projects

Phase II Project Name	Description	Preliminary Cost Estimate*
NE 25 th Ave. 24" Force Main	Replace or rehabilitate approx. 5,500 feet of RCP force main along NE 25 th Ave.	\$6,387,000
NE 38 th St & NE 19 th Street 42" Force Main	Replace or rehabilitate approx. 8,000 feet of DIP force main along NE 38 th Street, and install 3,000 feet of new 24" force main along NE 19 th Street	\$9,326,000
NW 5 th St., NW 9 th Ave., & W. Sistrunk Blvd. 30" Force Main	Replace or rehabilitate approx. 12,000 feet of CIP force main along NW 5 th St. & NW 9 th Ave., and install 6,000 feet of new 24" force main along Sistrunk Blvd.	\$11,769,000
SE 10 th Ave. 48" Force Main	Replace or rehabilitate approx. 13,400 feet of DIP force main, and install 5,400 feet of parallel new 36" force main	\$17,746,000
US 1 48" Force Main	Replace or rehabilitate approx. 6,000 feet of DIP force main, and install 5,100 feet of parallel new 48" force main along US 1	\$6,910,000
Treatment Plant to Injection Wells Effluent Force Main	Replace or rehabilitate the PCCP effluent force main leading from the G.T. Lohmeyer facility to the deep injection wells	\$3,142,000
NW 13 th Ave. 24" Force Main	Replace or rehabilitate approx. 3,300 feet of CIP force main along NW 13 th Ave.	\$1,914,000
NE 9 th St. to Birch Rd River Crossing 18" Force Main	Replace or rehabilitate approx. 1,000 feet of DIP force main river crossing from NE 9 th Street to Birch Road	\$434,000
Preliminary Cost Estimate for Phase II Projects listed here*		\$57,628,000

* Preliminary costs assume complete replacement. The Force Main Assessment will determine work to be done on each project.

EXHIBIT D
In-Kind Projects

A. Within sixty (60) days of the effective date, the City shall submit, by certified mail, a detailed in-kind project proposal to the Department for evaluation. The proposal shall include a summary of benefits, proposed schedule for implementation and documentation of the estimated costs which are expected to be incurred to complete the project. These costs shall not include those incurred in developing the proposal or obtaining approval from the Department for the in-kind project.

B. If the Department requests additional information or clarification due to a partially incomplete in-kind project proposal or requests modifications due to deficiencies with Department guidelines, The City shall submit, by certified mail, all requested additional information, clarification, and modifications within fifteen (15) days of receipts of written notice.

C. If upon review of the in-kind project proposal, the Department determines that the project cannot be accepted due to a substantially incomplete proposal or due to substantial deficiencies with minimum Department guidelines; The City shall be notified, in writing, of the reason(s) which prevent the acceptance of the proposal. The City shall correct and redress all of the matters at issue and submit, by certified mail, a new proposal within thirty (30) days of receipt of written notice. In the event that the revised proposal is not approved by the Department, The City shall make cash payment of the civil penalties as set forth in Paragraph 12 of this Consent Order, within thirty (30) days of Department notice.

D. Within one-hundred twenty (120) days of the Effective Date, the City shall obtain approval for an in-kind project from the Department. If an in-kind project proposal is not approved by the Department within one-hundred twenty (120) days of the Effective Date, then The City shall make cash payment of the civil penalties as set forth in Paragraph 12 of this Consent Order, within thirty (30) days of Department notice.

E. Within one-hundred eighty (180) days of obtaining Department approval for the in-kind proposal or in accordance with the approved schedule submitted pursuant to Paragraph A above, The City shall complete the entire in-kind project.

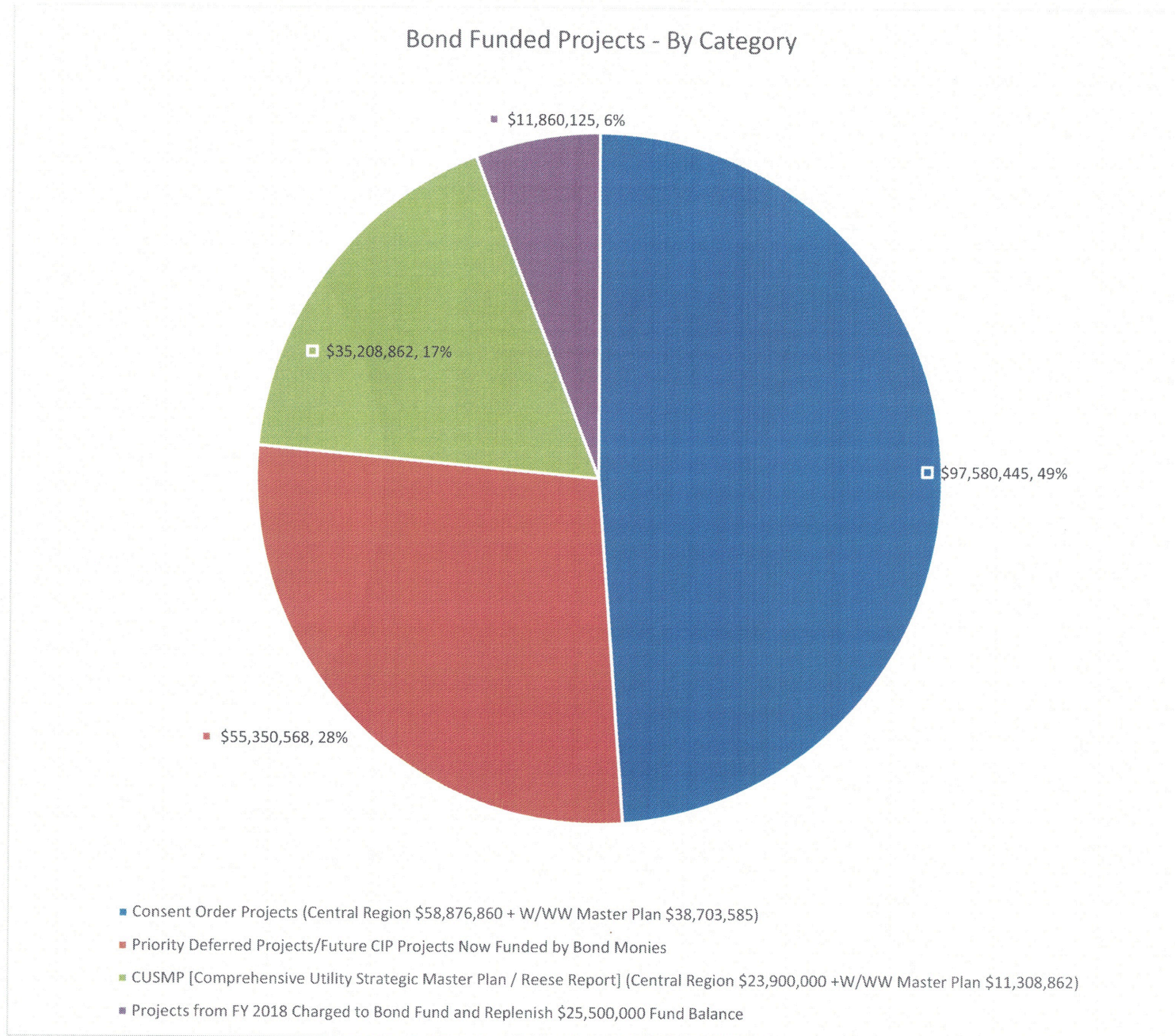
F. During the implementation of the in-kind project, The City shall place appropriate sign(s) at the project site indicating that The City's involvement with the project is the result of a

Department enforcement action. The City may remove the sign(s) after the project has been completed. However, after the project has been completed the City shall not post any sign(s) at the site indicating that the reason for the project was anything other than a Department enforcement action.

G. In the event the City fails to timely submit any requested information to the Department, fails to complete implementation of the in-kind project or otherwise fails to comply with any provision of this paragraph, the in-kind penalty project option shall be forfeited and the entire amount of civil penalties shall be due from the City to the Department within thirty (30) days of Department notice. If the in-kind penalty project is terminated and The City timely remits the \$334,577.00 penalty, no additional penalties shall be assessed under Paragraph 11 of this Consent Order for failure to complete the requirement of this paragraph.

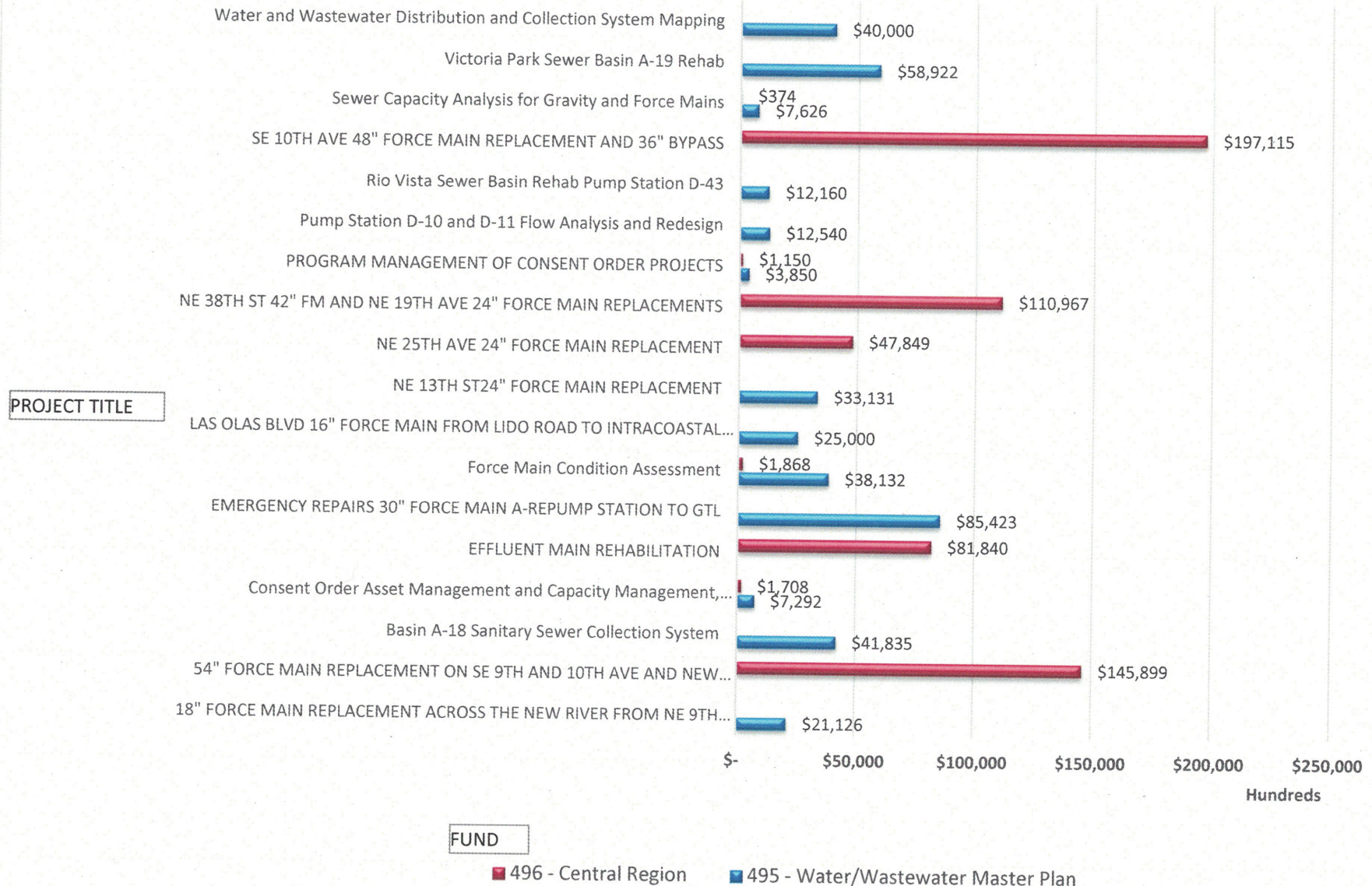
H. Within fifteen (15) days of completing the in-kind project, the City shall notify the Department, by certified mail, of the project completion and request a verification letter from the Department. The City shall submit supporting information verifying that the project was completed in accordance with the approved proposal and documentation showing the actual costs incurred to complete the project. These costs shall not include those incurred in developing the proposal or obtaining approval from the Department for the project.

I. If upon review of the notification of completion, the Department determines that the project cannot be accepted due to a substantially incomplete notification of completion or due to substantial deviations from the approved in-kind project, The City shall be notified, in writing, of the reason(s) which prevent the acceptance of the project. The City shall correct and redress all of the matters at issue and submit, by certified mail, a new notification of completion within fifteen (15) days of receipt of the Department's notice. If upon review of the new submittal, the Department determines that the in-kind project is still incomplete or not in accordance with the approved proposal, the in-kind penalty project option shall be forfeited and the entire amount of civil penalty shall be due from the City to the Department within thirty (30) days of Department notice. If the in-kind penalty project is terminated and the City timely remits the \$334,577.00, no additional penalties shall be assessed under Paragraph 11 of this Consent Order for failure to complete the requirements of this paragraph.



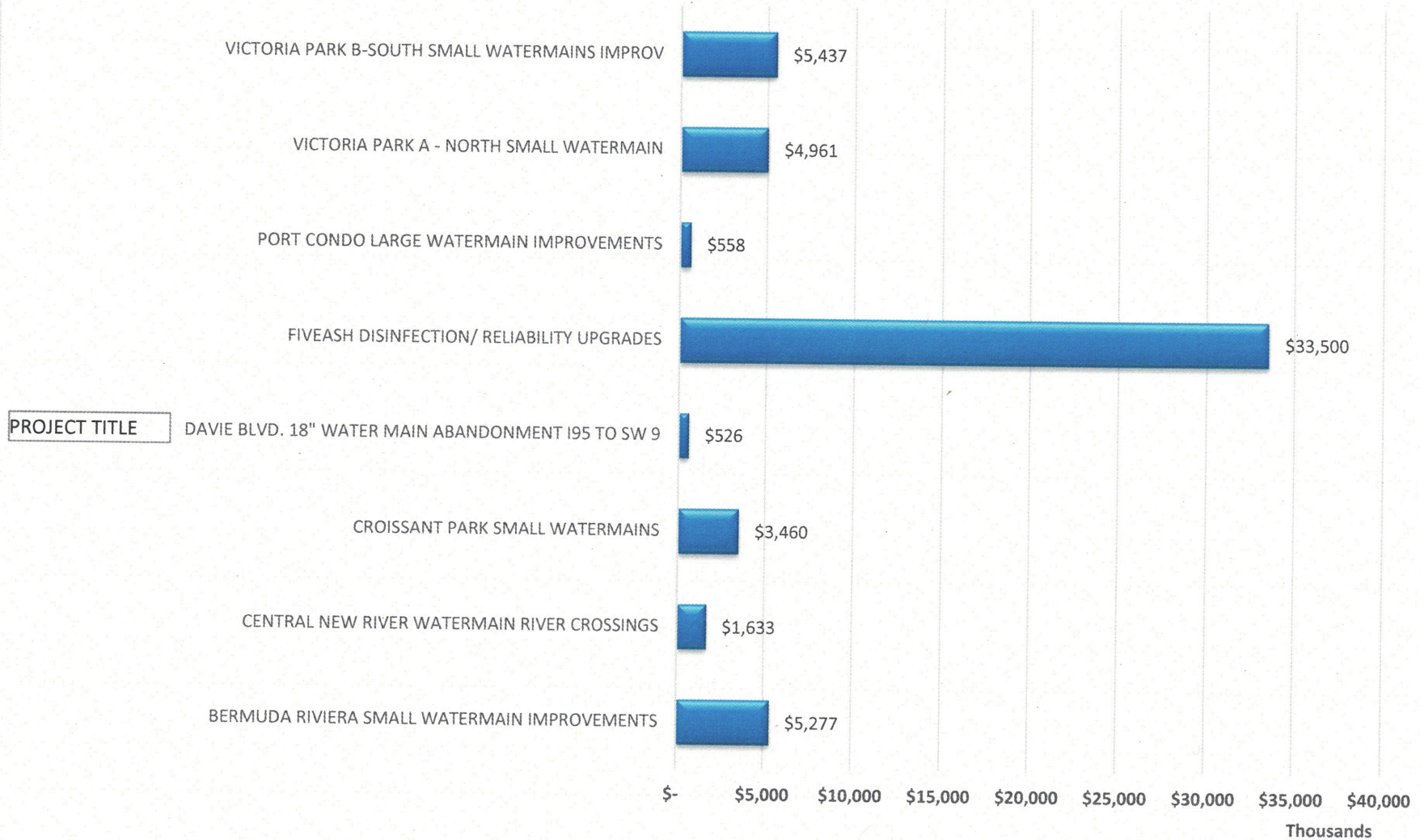
Sum of TOTAL PROJECTED COST

Consent Order Projects - Total \$ 97,580,445.00



Sum of TOTAL PROJECTED COST

Priority Deferred Projects - Total \$ 55,350,568.00

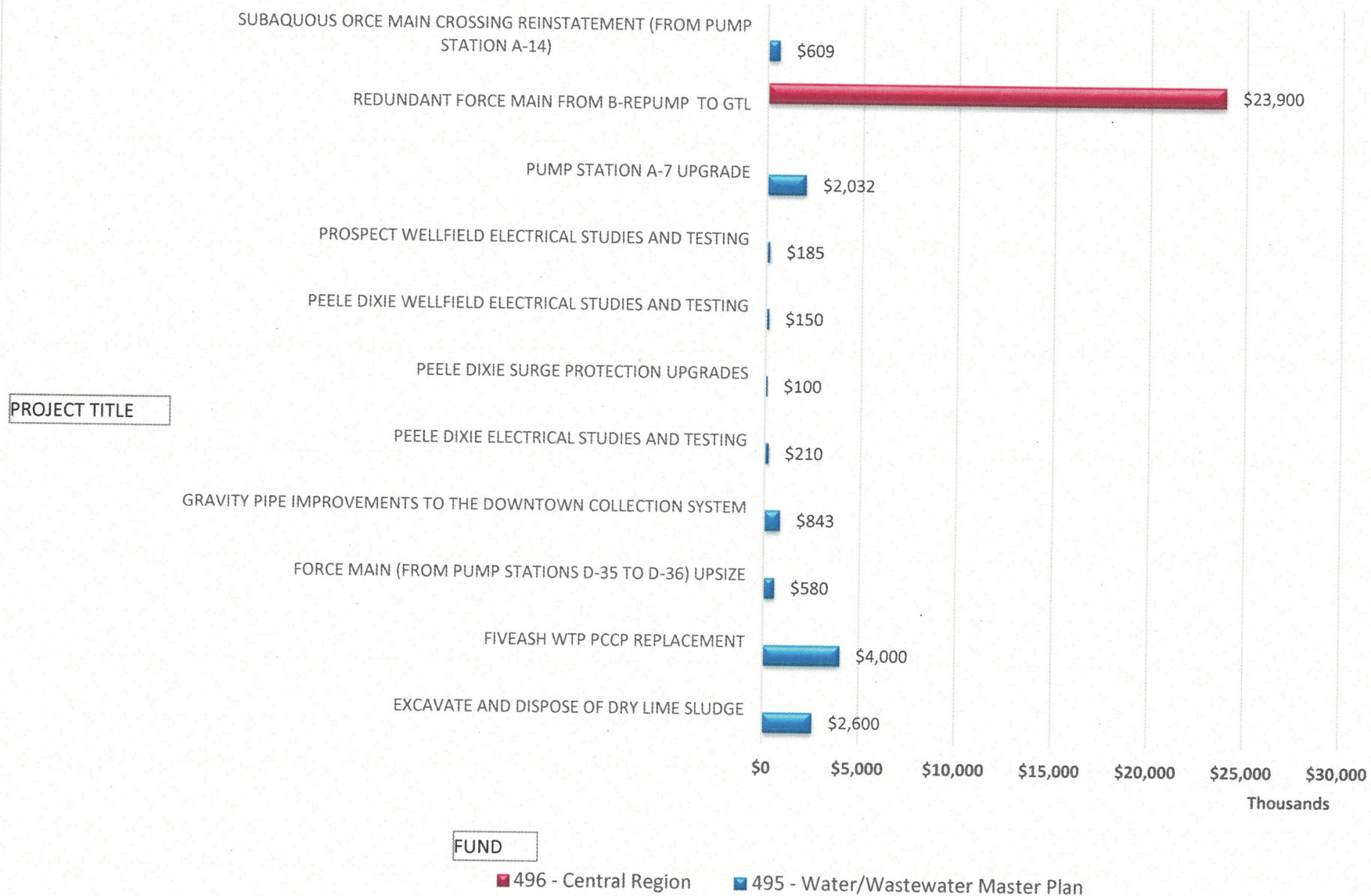


FUND

495 - Water/Wastewater Master Plan

Sum of TOTAL PROJECT COST

Comprehensive Utility Strategic Master Plan Projects - Total \$ 35,208,862.00





City of Fort Lauderdale Water and Sewer Bonds - Comparison of Level Debt and Aggregate Level Debt Structures

The City's Financial Advisor, FirstSouthwest Inc., has provided updated number runs on the proposed \$200 million water and sewer financing under the following scenarios:

1. Traditional level debt service (level debt service on the Series 2018 bonds)
2. Aggregate Level Debt Service (level debt service on all of the senior lien water and sewer bonds)

Currently the yield curve is upward sloping and the 6.8 year difference in the average life of the bonds results in an interest rate differential of approximately 0.324% between the traditional level debt service and aggregate level debt service structures. Although the aggregate level debt service solution costs approximately \$60 million more in interest over the life of the Series 2018 bonds, it lowers the maximum annual aggregate water and sewer debt service by \$2.54 million as shown in the table below.

	Level Debt Service	Aggregate Level Debt Service	Difference
Par Amount	176,120,000	177,490,000	1,370,000
Project Deposit	200,000,000	200,000,000	-
TIC	3.489%	3.813%	0.324%
Average Life	18.755	25.573	6.818
Total Interest	151,339,338.06	210,959,773.17	59,620,435.11
Total Debt Service	327,459,338.06	388,449,779.17	60,990,441.11
Max. Annual Aggregate Debt Service	39,258,073.26	36,713,123.26	(2,544,950.00)

Should the City opt to move forward with the aggregate level debt service structure, it will be able to realize the following benefits:

1. A higher debt service coverage without raising water and sewer rates
2. Additional future bonding capacity
3. Potentially higher credit ratings
4. Additional financing flexibility and free cash flow that could be used to fund future improvements with cash instead of additional debt
5. Potentially lower cost of financing on future debt issuances

First Southwest Inc. anticipates that based upon the City's proposed water and sewer capital improvements, the Series 2018 water and sewer bond issue will be the first of a number of

financings. It should be noted that the current economic forecasts are predicting higher interest rates in the near future. For example, from October 6 to October 10, 2017, *Bloomberg News* surveyed approximately 70 of the nation's top economists for their most recent opinions on the U.S. economy and interest rates. The following are the results of their responses for the 10-year U.S. Treasury notes:

10-yr Treasury-note - The average 10-year yield forecast for Q4 2017 is 2.43%. The average forecast for the next five quarters are 2.54%, 2.67%, 2.78%, 2.88% and 3.00%. The Q1 2019 forecast is 0.68% above the current close today of 2.32%.

	Q4 2017	Q1 2018	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Q2 2019
Current Survey (October 2017)	2.43%	2.54%	2.67%	2.78%	2.88%	3.00%	N/A
Prior Survey (September 2017)	2.47%	2.60%	2.72%	2.82%	2.96%	N/A	N/A
12 months Prior (October 2016)	2.84%	3.00%	3.06%	N/A	N/A	N/A	N/A

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Table WW9-1. Projected CIP Summary and CUSMP Recommended Projects Comparison

Category		FY 2017-2021	FY 2022-2026	FY 2027-2031	FY 2032-2036
Central Regional WW Fund (451)					
WW Treatment Regional	Planned CIP	\$52,039,556	\$0	\$0	\$0
	Unfunded CIP	\$9,167,600	--	--	--
	CUSMP Additional	\$26,072,693	\$43,076,200	\$41,056,600	\$27,013,000
WW Pump Stations Regional	Planned CIP	\$1,568,501	\$0	\$0	\$0
	Unfunded CIP	\$1,000,000	--	--	--
	CUSMP Additional	\$936,192	\$3,191,200	\$3,690,400	\$1,245,200
WW Force Main Regional	Planned CIP	\$217,537	\$0	\$0	\$0
	Unfunded CIP	\$8,367,600	--	--	--
	CUSMP Additional	\$28,046,000	\$7,947,000	\$31,369,000	\$0
Utility Wide Regional	Planned CIP	\$6,687,269	\$0	\$0	\$0
	Unfunded CIP	\$1,961,421	--	--	--
	CUSMP Additional	\$20,646,959	\$10,888,072	\$5,988,073	\$2,682,510
Subtotal Planned CIP:		\$60,512,863	\$0	\$0	\$0
Subtotal Unfunded CIP:		\$20,496,621	--	--	--
Subtotal CUSMP Additional:		\$75,701,844	\$65,102,472	\$82,104,073	\$30,940,710
Fund 451 TOTAL:		\$156,711,328	\$65,102,472	\$82,104,073	\$30,940,710
Water and Sewer Master Plan Fund (454)					
WW Collection	Planned CIP	\$42,949,306	\$0	\$0	\$0
	Unfunded CIP	\$50,406,104	--	--	--
	CUSMP Additional	\$5,509,000	\$64,716,500	\$68,075,500	\$108,750,000
WW Pump Stations City	Planned CIP	\$9,503,253	\$0	\$0	\$0
	Unfunded CIP	\$0	--	--	--
	CUSMP Additional	\$20,825,250	\$23,146,750	\$15,762,500	\$22,660,000
WW Force Mains	Planned CIP	\$3,095,350	\$0	\$0	\$0
	Unfunded CIP	\$0	--	--	--
	CUSMP Additional	\$31,851,000	\$4,072,000	\$220,000	\$0
WA Total	Planned CIP	\$89,517,619	\$0	\$0	\$0
	Unfunded CIP	\$20,695,662	--	--	--
	CUSMP Additional	\$136,713,476	\$159,347,270	\$148,725,212	\$81,198,646
Utility Wide City	Planned CIP	\$3,121,472	\$0	\$0	\$0
	Unfunded CIP	\$22,997,500	--	--	--
	CUSMP Additional	\$26,238,890	\$18,247,229	\$12,207,925	\$10,402,925
Subtotal Planned CIP:		\$148,187,000	\$0	\$0	\$0
Subtotal Unfunded CIP:		\$94,099,266	--	--	--
Subtotal CUSMP Additional:		\$221,137,616	\$269,529,750	\$244,991,137	\$223,011,571
Fund 454 TOTAL:		\$463,423,882	\$269,529,750	\$244,991,137	\$223,011,571

Notes:

- City Planned CIP totals include Unspent Balance as of 9/29/16
- Please Refer to this link for the existing Fort Lauderdale 2017 to 2021 Community Investment Plan.
<http://www.fortlauderdale.gov/departments/city-manager-s-office/budget-cip-and-grants-division/community-investment-plans>

FY 2019 - FY 2023 COMMUNITY INVESTMENT PLAN SUMMARY

Public Works - 331 General Capital Fund

Title of Request	Cost	Page #
ADA Sidewalk Installation & Replacement	359,000	147
Americans With Disabilities (ADA) Improvements	6,233,855	148
Annual Asphalt Resurfacing	1,941,310	149
Bayview Drive Bridge Over Longboat Inlet	687,000	150
Bridge Replacement At South Ocean Drive	1,102,000	151
Bridge Restoration	2,350,000	152
Broward County Segment II Beach Nourishment	2,792,975	153
City-Owned Seawall Restoration And Replacement	3,500,000	154
Cordova Road Seawall Replacement	5,534,072	155
East Las Olas Blvd. Seawall Repair	1,443,409	156
Fleet Maintenance & Repair Garage Facility	10,943,750	157
Isle of Palms Drive Seawall Replacement	3,000,000	158
Marine Facilities Maintenance	2,400,000	159
NE 1st Street Bridge	1,500,000	160
River Oaks Preserve Park - Parking Lot	920,969	161
SE 13th Street Bridge	3,359,383	162
Seven Isles Seawall Improvements	572,050	163
Sidewalk And Paver Replacement/Annual Concrete	12,550,000	164
West Lake Drive Bridge Restoration	2,645,645	165
\$63,835,418		

City of Fort Lauderdale
Adopted FY 2018 - FY 2022 Community Investment Plan

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
Law Enforcement Confiscated Property Fund (104)									
P12009	REGIONAL CONS DISPATCH & RECORDS MGMT SY	23,689	-	-	-	-	-	23,689	-
Law Enforcement Confiscated Property Fund (104) Total		23,689	-	-	-	-	-	23,689	-
DEA Confiscated Property Fund (107)									
P12009	REGIONAL CONS DISPATCH & RECORDS MGMT SY	84,924	-	-	-	-	-	84,924	-
DEA Confiscated Property Fund (107) Total		84,924	-	-	-	-	-	84,924	-
Community Development Block Grant Fund (108)									
P11687	CITY HALL ADA ACCESS IMPROVEMENTS	260,000	-	-	-	-	-	260,000	-
P11799	2012 NCIP GOLDEN HEIGHTS ENTRANCE PAVERS	51,000	-	-	-	-	-	51,000	-
P11607	2010 NCIP DILLARD PARK CURBING	35,000	-	-	-	-	-	35,000	-
P11801	2012 NCIP ROCK ISLAND ST SIGN POSTS	35,000	-	-	-	-	-	35,000	-
P11963	2014 NCIP LAUDERDALE MANORS DECO ST SIGN	35,000	-	-	-	-	-	35,000	-
P11802	2012 NCIP LAUDERDALE MANORS CROSSWALKS	25,000	-	-	-	-	-	25,000	-
FY 20180666	CITY INFRASTRUCTURE PROJECT	-	500,000	329,000	-	-	-	829,000	-
FY 20150273	NCIP/BCIP PROJECT COMMUNITY MATCH	-	-	171,000	-	-	-	171,000	-
FY 20160415	AMERICANS WITH DISABILITIES (ADA) IMPROVEMENTS	-	-	-	500,000	500,000	500,000	1,500,000	-
P12244	ADA SIDEWALK INSTALLATION & REPLACEMENT	-	-	-	-	-	-	-	344,000
Housing and Community Development Grant Fund (108) Total		441,000	500,000	500,000	500,000	500,000	500,000	2,941,000	344,000
Grants Fund (129)									
P12128	WAR MEMORIAL AUDITORIUM RENOVATIONS	183,016	-	-	-	-	-	183,016	-
P11671	LAS OLAS MARINA DREDGING PHASE II CONSTRUCTION	262,337	-	-	-	-	-	262,337	-
P11056	CYPRESS CREEK SAND PINE PARK	247,702	-	-	-	-	-	247,702	-
P12122	SNYDER PARK BIKE TRAILS	152,890	-	-	-	-	-	152,890	-
P12201	COONTIE HATCHEE LGN PHS 1 DSGN & PERMIT	127,000	-	-	-	-	-	127,000	-
P11411	TARPON BEND PARK	125,002	-	-	-	-	-	125,002	-
P11811	MILLS POND OBSERVATION DECK	75,000	-	-	-	-	-	75,000	-
P12159	SNYDER PARK BOARDWALK REPLACEMENT	50,000	-	-	-	-	-	50,000	-
P11670	BAHIA MAR YACHTING CENTER DREDGING PHASE II	209,465	-	1,500,000	-	-	-	1,709,465	-
P12186	GEORGE ENGLISH PARK BOAT RAMP RENOVATIONS	86,798	-	400,000	-	-	-	486,798	-
Grants Fund (129) Total		1,519,210	-	1,900,000	-	-	-	3,419,210	-
Building Permit Fund (140)									
P12235	LAND & ASSET MANAGEMENT SYSTEM PROJECT	1,177,517	143,636	-	-	-	-	1,321,153	-
P12267	DSD BUILDING - COOLING SYSTEM	177,480	-	-	-	-	-	177,480	-
FY20180636	SUSTAINABLE DEVELOPMENT SECURITY IMPROVEMENTS	-	-	-	-	-	-	-	592,000
FY20180652	SUSTAINABLE DEVELOPMENT LOBBY RENOVATIONS	-	-	-	-	-	-	-	490,000
Building Permit Fund (140) Total		1,354,997	143,636	-	-	-	-	1,498,633	1,082,000
Building Technology Fund (142)									
P12235	LAND & ASSET MANAGEMENT SYSTEM PROJECT	593,411	450,000	-	-	-	-	1,043,411	-
P11919	ONESOLUTION UPGRADE	90,539	-	-	-	-	-	90,539	-
Building Technology Fund (142) Total		683,950	450,000	-	-	-	-	1,133,950	-
Special Assessments Fund (319)									
P09733	BRIDGESIDE SQUARE AREA IMPROVEMENTS	17,585	-	-	-	-	-	17,585	-
P10247	NE 33RD AVENUE/DOLPHIN ISLES IMPROVEMENT	12,136	-	-	-	-	-	12,136	-
P11715	LAS OLAS ISLES UNDERGROUNDING UTILITIES	1,000	-	-	-	-	-	1,000	-
Special Assessments Fund (319) Total		30,721	-	-	-	-	-	30,721	-
General Capital Projects Fund (331)									
P11793	2012 NCIP S MIDDLE RVR ENTRYWAY MONUMENT	2,546	-	-	-	-	-	2,546	-
P11698	2011 NCIP MIDDLE RIVER TERR DIXIE IMPROV	2,600	-	-	-	-	-	2,600	-
P11948	2014 NCIP BAL HARBOUR LIGHTING FOR ENTWY	2,887	-	-	-	-	-	2,887	-
P11923	BAYVIEW DRIVE SIDEWALK RESTORATION	3,269	-	-	-	-	-	3,269	-
P12046	DOG PARK AT HOLIDAY PARK	3,545	-	-	-	-	-	3,545	-
P11507	2009 NCIP SEVEN ISLES HOA BRIDGE IMPROVEMENT	3,899	-	-	-	-	-	3,899	-

City of Fort Lauderdale
Adopted FY 2018 - FY 2022 Community Investment Plan

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
P11958	2014 NCIP CROISSANT PARK TREES	4,600	-	-	-	-	-	4,600	-
P11600	2010 NCIP RIVERSIDE PARK CURBS AND SWALE	4,609	-	-	-	-	-	4,609	-
P11244	GALT OCEAN SHOPPES ENTRYWAY IMP BCIP	4,538	-	-	-	-	-	4,538	-
P11797	2012 NCIP DILLARD PARK CURBING	4,649	-	-	-	-	-	4,649	-
P11599	2010 NCIP BAL HARBOUR ENTRANCE ISLAND	4,732	-	-	-	-	-	4,732	-
P11947	2014 NCIP CORAL RIDGE NE 13 STREET	4,918	-	-	-	-	-	4,918	-
P11800	2012 NCIP LAKE RIDGE TREES	5,007	-	-	-	-	-	5,007	-
P12048	POLICE DEPT WINDOWS/GUTTERS	5,113	-	-	-	-	-	5,113	-
P11745	HARDY PARK FIELD RENOVATION	6,168	-	-	-	-	-	6,168	-
P11978	SOUTH BEACH RESTROOM REPAIR/RENOVATION	4,458	-	-	-	-	-	4,458	-
P11697	2011 NCIP POINCIANA PRK LNDS CP MEDIANS	9,128	-	-	-	-	-	9,128	-
P11513	2009 NCIP GOLDEN HEIGHTS HOA	9,644	-	-	-	-	-	9,644	-
P11516	2009 NCIP LAKE RIDGE CIVIC ASSOCIATION	9,764	-	-	-	-	-	9,764	-
P12149	2015 NCIP LAKE RDGE MONILITY MASTER PLAN	10,000	-	-	-	-	-	10,000	-
P11946	2014 NCIP POINSETTIA HGHTS SOLAR LTS ENT	10,250	-	-	-	-	-	10,250	-
P11510	2009 NCIP HARBOR BEACH HOA	11,620	-	-	-	-	-	11,620	-
P11962	2014 NCIP LAKE RIDGE TREES	13,683	-	-	-	-	-	13,683	-
P11696	2011 NCIP HARBOR BCH LANDSCAPED MEDIANS	14,356	-	-	-	-	-	14,356	-
P12145	2015 NCIP VICTORIA PARK GREENWAY LIGHTS	14,750	-	-	-	-	-	14,750	-
P11595	CENTRAL BCH WAYFINDING & INFO SIGNAGE	12,769	-	-	-	-	-	12,769	-
P12276	EDGEWOOD ENTRY SIGNS	3,781	-	-	-	-	-	3,781	-
P11959	2014 NCIP GOLDEN HEIGHTS SPEED HUMPS	16,000	-	-	-	-	-	16,000	-
P11212	GALT OCEAN SHOP ENTRANCEWAY	16,000	-	-	-	-	-	16,000	-
P11827	SEAWALL REPLACEMENT ALONG NEW RIVER	15,955	-	-	-	-	-	15,955	-
P11725	DISTRICT TWO PARK	17,908	-	-	-	-	-	17,908	-
P12154	2015 BCIP FAY VILLAGE MASTER PLAN	18,800	-	-	-	-	-	18,800	-
P12144	2015 NCIP SUNRISE KEY DECR STR POSTS	20,700	-	-	-	-	-	20,700	-
P12137	2015 NCIP RIVERLAND MANORS MEDIANS	21,725	-	-	-	-	-	21,725	-
P11803	2012 BCIP FAT VILLAGE	22,500	-	-	-	-	-	22,500	-
P11819	2012 BCIP FTL BEACH VILLAGE MERCHANTS	22,500	-	-	-	-	-	22,500	-
P11955	2014 BCIP FORT LAUDERDALE BEACH VILLAGE	22,500	-	-	-	-	-	22,500	-
P12151	2015 BCIP FLAGLER VIL IMPR SIGN/MONUMENTS	22,500	-	-	-	-	-	22,500	-
P12153	2015 BCIP N BCH VILLAGE SIGNS/MONUMENY	22,500	-	-	-	-	-	22,500	-
P11692	2011 NCIP BEVERLY HGTS TRAFFIC CALMING	23,000	-	-	-	-	-	23,000	-
P11695	2011 NCIP SOUTH MIDDLE RIVER SIDEWALK	22,483	-	-	-	-	-	22,483	-
P10932	BCIP FLAGLER VILLAGE IMPROVEMENTS 2004/05	25,000	-	-	-	-	-	25,000	-
P11802	2012 NCIP LAUDERDALE MANORS CROSSWALKS	25,000	-	-	-	-	-	25,000	-
P12142	2015 NCIP CORAL RDGE C CLB DECR ST POSTS	25,000	-	-	-	-	-	25,000	-
P11811	MILLS POND OBSERVATION DECK	16,839	-	-	-	-	-	16,839	-
P11607	2010 NCIP DILLARD PARK CURBING	30,467	-	-	-	-	-	30,467	-
P12140	2015 NCIP BERMUDA RIVERS DECR STR POSTS	32,000	-	-	-	-	-	32,000	-
P11794	2012 NCIP LAKE AIRE ST LIGHTS & POSTS	26,465	-	-	-	-	-	26,465	-
P11608	2010 NCIP RIVER GARDEN/SWEETING MONUMENT	32,272	-	-	-	-	-	32,272	-
P11796	2012 NCIP RVR GARDEN SWEETING PK IMPROVE	39,793	-	-	-	-	-	39,793	-
P11801	2012 NCIP ROCK ISLAND ST SIGN POSTS	32,820	-	-	-	-	-	32,820	-
P11478	COOLEY'S LANDING MAINTENANCE BUILDING	33,067	-	-	-	-	-	33,067	-
P11779	BAHIA MAR BRIDGE REHAB	32,556	-	-	-	-	-	32,556	-
P11605	2010 NCIP SEVEN ISLES ASPHALT BRIDGES	35,000	-	-	-	-	-	35,000	-
P11799	2012 NCIP GOLDEN HEIGHTS ENTRANCE PAVERS	35,000	-	-	-	-	-	35,000	-
P11956	2014 NCIP RIVER GDNS PERIMETER PRIV WALL	35,000	-	-	-	-	-	35,000	-
P11960	2014 NCIP STH MDLE RVR SIDEWALK NW 16 ST	35,000	-	-	-	-	-	35,000	-
P11961	2014 NCIP LAKE AIRE DÉCOR ST POST/SIGNS	35,000	-	-	-	-	-	35,000	-

City of Fort Lauderdale
Adopted FY 2018 - FY 2022 Community Investment Plan

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
P11963	2014 NCIP LAUDERDALE MANORS DECO ST SIGN	35,000	-	-	-	-	-	35,000	-
P11964	2014 NCIP MELROSE PARK ENTRWY MONUMENT	35,000	-	-	-	-	-	35,000	-
P12139	2015 NCIP SUNRISE INTRACOASTAL TRAF CALM	35,000	-	-	-	-	-	35,000	-
P12141	2015 NCIP HISTORICAL DORSEY RVRBND SIDEWALK	35,000	-	-	-	-	-	35,000	-
P12143	2015 NCIP FLAGLER VILLAGE SIGNS/MONUMENTS	35,000	-	-	-	-	-	35,000	-
P12146	2015 NCIP PALM AIRE VILLAGE MOBILITY MSTR PL	35,000	-	-	-	-	-	35,000	-
P12147	2015 NCIP SHADY BNKS DECR STR POSTS	35,000	-	-	-	-	-	35,000	-
P12148	2015 NCIP LAUDERDALE MNRS DECR STR POSTS	35,000	-	-	-	-	-	35,000	-
P12150	2015 NCIP RIVERLAND ROUNDABOUT	35,000	-	-	-	-	-	35,000	-
P11734	RIVER OAKS DEVELOPER TRAFFIC MITIGATION	39,112	-	-	-	-	-	39,112	-
P12084	NE 13TH ST COMPLETE STREETS PROJECT	41,188	-	-	-	-	-	41,188	-
P11714	IDLEWYLD UNDERGROUNDING OF UTILITIES	38,177	-	-	-	-	-	38,177	-
P11727	DISTRICT FOUR PARK	47,206	-	-	-	-	-	47,206	-
P11609	2010 NCIP LAKE RIDGE ENTRYWAY SIGNAGE	54,536	-	-	-	-	-	54,536	-
P11690	2011 NCIP MELROSE PRK LNDSCP & ENTRY SGN	54,536	-	-	-	-	-	54,536	-
P11790	2012 MELROSE PK ENTRYWAY MONUMENTS	54,536	-	-	-	-	-	54,536	-
P10585	PALM AIRE WALL IMPROVEMENTS	58,580	-	-	-	-	-	58,580	-
P11520	800 MHZ PUBLIC SAFETY RADIO CONFIGURATION	64,993	-	-	-	-	-	64,993	-
P12303	BENNESON PARK PLAYGROUND REPLACEMENT	61,300	-	-	-	-	-	61,300	-
P11701	2011 NCIP RIVER OAKS SIDEWLK @ SW 15 AVE	70,000	-	-	-	-	-	70,000	-
P12297	CARTER PARK STORMWATER IMPROVEMENTS	70,000	-	-	-	-	-	70,000	-
P11945	ANNUAL ASPHALT CONCRETE RESURFACING	74,125	-	-	-	-	-	74,125	-
P12138	2015 NCIP LAUDERDALE BCH TRAFFIC CALMING	78,232	-	-	-	-	-	78,232	-
P11968	SEVEN ISLES SEAWALL IMPROVEMENTS	79,937	-	-	-	-	-	79,937	572,050
P12267	DSD - BUILDING COOLING SYSTEM	81,031	-	-	-	-	-	81,031	-
P12081	DIXIE HIGHWAY IMPROVEMENTS	85,825	-	-	-	-	-	85,825	-
P12073	SNYDER PARK DOG LAKE	85,268	-	-	-	-	-	85,268	-
P09295	NORTHWEST 7/9 AVENUE CONNECTOR	94,654	-	-	-	-	-	94,654	-
P10918	FIRE STATION 13 REPLACEMENT	103,116	-	-	-	-	-	103,116	2,820,360
P12201	COONTIE HATCHEE LGN PHS 1 DSGN & PERMIT	101,045	-	-	-	-	-	101,045	-
P11979	ESPLANADE PARK RESTROOM REPAIR/RENOVATION	113,375	-	-	-	-	-	113,375	-
P10914	NEW FIRE STATION 54	282,107	-	-	-	-	-	282,107	-
P12079	SOUTH MIDDLE RIVER ROADWAYS II	124,810	-	-	-	-	-	124,810	-
P10909	FIRE STATION DESIGN & CONSTRUCTION - FS 8 (SOUTHEAST) - NEW	122,161	-	-	-	-	-	122,161	3,837,095
P12085	FACILITY MAINTENANCE PRIORITIES	140,519	-	-	-	-	-	140,519	-
P12280	NE 1ST PEDESTRIAN REFUGE ON ANDREWS AVENUE	143,000	-	-	-	-	-	143,000	-
P12281	NE 1ST PEDESTRIAN REFUGE AT NE 3RD AVE	143,000	-	-	-	-	-	143,000	-
P12018	MEDIAN BEAUTIFICATION - ENTRYWAY SIGNS	145,349	-	-	-	-	-	145,349	-
P11715	LAS OLAS ISLES UNDERGROUNDING UTILITIES	148,220	-	-	-	-	-	148,220	-
P12113	CENTENNIAL CELEBRATION LEGACY (BRIDGE)	150,000	-	-	-	-	-	150,000	-
P12282	PEDESTRIAN PRIORITY INRSTN LAS OLAS/4TH	156,000	-	-	-	-	-	156,000	-
P12284	NE 3RD ST PEDESTRAIN SAFETY/BIKE INFRAST	156,000	-	-	-	-	-	156,000	-
P12198	CITY HALL SECURITY IMPROVEMENTS	131,360	-	-	-	-	-	131,360	-
P12159	SNYDER PARK BOARDWALK REPLACEMENT	170,004	-	-	-	-	-	170,004	-
P12302	GEROGE ENGLISH PLAYGROUND REPLACEMENT	171,267	-	-	-	-	-	171,267	-
P12129	POLICE STATION RENOVATION	186,142	-	-	-	-	-	186,142	-
P12318	NE 4TH STREET IMPROVEMENTS	219,300	-	-	-	-	-	219,300	-
P12283	SE 2ND ST TRAFFIC CALM/PEDESTRIAN SAFETY	270,000	-	-	-	-	-	270,000	-
P11365	SAILBOAT BEND TRAFFIC MITIGATION PLAN	271,925	-	-	-	-	-	271,925	-
P12090	NEIGHBORHOOD TRAFFIC CALMING & PED SAFETY	275,271	-	-	-	-	-	275,271	-
P12200	FIRE STATION #2 HVAC	1,035,122	-	-	-	-	-	1,035,122	-
P12091	DOWNTOWN WAYFINDING & INFO SIGNAGE	280,411	-	-	-	-	-	280,411	-

City of Fort Lauderdale
Adopted FY 2018 - FY 2022 Community Investment Plan

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
P12268	RIVERLAND PARK	300,000	-	-	-	-	-	300,000	-
P12285	TWIN LAKES NORTH ANNEXATION IMPROVEMENTS	310,560	-	-	-	-	-	310,560	-
P10777	SOUTH SIDE SCHOOL-PURCHASE & RESTORATION	309,257	-	-	-	-	-	309,257	-
P12089	BRIDGE REPLACEMENT AT COCONUT ISLE	319,337	-	-	-	-	-	319,337	-
P12056	CITYWIDE CAMERA INITIATIVE	354,135	-	-	-	-	-	354,135	-
P10720	ADA SETTLEMENT GENERAL FUND BUILDINGS	(233,537)	-	-	-	-	-	(233,537)	-
P11722	RIVERWALK SEAWALL PARTIAL RESTORATION NORTH	401,744	-	-	-	-	-	401,744	-
P11953	DOWNTOWN WALKABILITY PROJECT	478,526	-	-	-	-	-	478,526	-
P12160	EAST LAS OLAS STREET LIGHTS	500,000	-	-	-	-	-	500,000	-
P11065	ELECTRICAL IMPROVEMENTS NORTH NEW RIVER	670,216	-	-	-	-	-	670,216	-
P12128	WAR MEMORIAL AUDITORIUM RENOVATIONS	536,071	-	-	-	-	-	536,071	-
P12078	RIVERLAND ANNEXATION ROAD RESTORATION	698,905	-	-	-	-	-	698,905	-
P11687	CITY HALL ADA ACCESS IMPROVEMENTS	612,249	-	-	-	-	-	612,249	-
P11136	LAS OLAS TRANSPORTATION PLAN IMPLEMENTATION	637,406	-	-	-	-	-	637,406	-
P11937	ENTERPRISE RESOURCE PLANNING (ERP)	1,174,919	-	-	-	-	-	1,174,919	-
P11762	SIDEWALK AND PAVER REPLACEMENT/ANNUAL CONCRETE, STAMPED ASPHALT	960,556	-	-	-	-	-	960,556	-
P12250	9-1-1 CALL CENTER AND DISPATCH TRANSITION	1,500,000	(650,000)	-	-	-	-	850,000	-
P12162	FACILITIES ASSESSMENT - HVAC, ELECTRICAL & PLUMB	289,153	-	433,000	208,000	821,000	500,000	2,251,153	-
P12158	CORDOVA ROAD COMPLETE STREETS PROJECT	20,000	-	-	-	150,000	-	170,000	-
P12088	SE/SW 6 STREET CORRIDOR IMPROVEMENTS	2,267,893	300,000	-	-	-	-	2,567,893	-
P12087	BRIDGE REPLACEMENT AT SOUTH OCEAN DRIVE	1,476,547	650,000	-	-	-	-	2,126,547	-
P12161	FACILITIES ASSESSMENT - ROOFING PRIORITIES	85,915	300,000	54,000	206,000	191,000	200,000	1,036,915	-
P12010	BRIDGE RESTORATION	846,112	100,000	750,000	100,000	500,000	500,000	2,796,112	-
P12163	FACILITIES ASSESSMENT - EXTERIOR REPAIR/CONSTR	40,588	343,000	175,000	251,000	-	150,000	959,588	-
P12117	NEW RIVERWALK PARK IMPROVEMENTS	459,689	200,000	200,000	200,000	200,000	200,000	1,459,689	-
P12086	NEIGHBORHOOD & BUSINESS COMMUNITY INVEST	1,000,000	500,000	500,000	500,000	500,000	500,000	3,500,000	-
P12164	FACILITIES ASSESSMENT - INTERIOR REPAIR/CONSTR	599,453	1,357,000	1,338,000	1,335,000	1,000,000	1,150,000	6,779,453	-
P11825	MARINE FACILITIES MAINTENANCE	618,474	600,000	600,000	-	600,000	600,000	3,018,474	-
P12247	BROWARD COUNTY SEGMENT II BEACH NOURISHMENT	2,792,975	2,792,975	2,792,975	-	-	-	8,378,925	-
P11214	WAR MEMORIAL RENOVATIONS - PHASE II	1,412,783	815,917	-	-	-	-	2,228,700	-
P12248	CITY-WIDE PLAYGROUND REPLACEMENTS	492,433	600,000	-	-	-	-	1,092,433	1,350,000
P12273	RIVERLAND ROAD COMPLETE STREETS IMPROVEMENTS	95,322	754,678	-	-	-	-	850,000	-
P10107	7TH FLOOR RENOVATIONS	53,049	424,000	-	-	-	-	477,049	-
P12299	WEST LAKE DRIVE BRIDGE RESTORATION	349,667	-	-	-	-	2,345,802	2,695,469	-
P12328	SOUTHEAST EMERGENCY MEDICAL STATION	-	3,000,000	-	-	-	-	3,000,000	-
P12329	SEAWALLS REPLACEMENT - HIMMARSHEE CANAL (NORTH)	-	2,942,194	-	-	-	-	2,942,194	-
P12330	CITY-OWNED SEAWALL RESTORATION AND REPLACEMENT	-	1,236,964	-	-	3,500,000	-	4,736,964	36,625,160
P12331	AQUATIC CENTER SEAWALL REPAIR & CAP	-	1,935,351	-	-	-	-	1,935,351	-
P12315	AQUATICS COMPLEX RENOVATIONS	-	1,200,000	-	-	-	-	1,200,000	-
P12332	BAYVIEW DRIVE SEAWALL CAP & REPAIR	-	850,413	-	-	-	-	850,413	-
P12333	SEAWALL REPAIR & CAP - 2731 FEDERAL HIGHWAY	-	825,093	-	-	-	-	825,093	-
P12334	FIELD CONVERSION HOLIDAY PARK	-	800,000	-	-	-	-	800,000	1,200,000
P12335	NEW MILLS POND PARK RESTROOMS	-	502,250	-	-	-	-	502,250	-
P12336	SE 5th AVENUE AND LAS OLAS BLVD PEDESTRIAN IMPROVEMENTS	-	500,000	-	-	-	-	500,000	-
P12337	CORDOVA ROAD SEAWALL REPAIR/REPLACEMENT	-	427,850	-	-	-	-	427,850	5,052,971
P12338	LIDO DRIVE SEAWALL REPLACEMENT	-	400,050	-	-	-	-	400,050	-
P12339	MOLA DRIVE SEAWALL REPAIR	-	182,085	-	-	-	-	182,085	-
P12340	HIGH MAST LIGHTING SYSTEM COMMERCIAL BLVD.	-	150,000	-	-	-	-	150,000	-
P12341	MILLS POND PARK BOAT RAMP REPLACEMENT	-	113,280	-	-	-	-	113,280	-
P12235	LAND MANAGEMENT SYSTEM	-	(410,228)	-	-	-	-	(410,228)	-
P12342	POLICE MARINE PATROL VESSELS	-	700,000	710,000	-	-	-	1,410,000	135,000
P12343	PARKER PLAYHOUSE RENOVATIONS	-	500,000	500,000	500,000	600,000	600,000	2,700,000	2,700,000

City of Fort Lauderdale
Adopted FY 2018 - FY 2022 Community Investment Plan

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
P12344	FIRE ALERTING SYSTEM - REPLACEMENT	-	500,000	-	-	-	-	500,000	-
P12223	ANNUAL ASPHALT RESURFACING	-	388,262	388,262	388,262	388,262	388,262	1,941,310	-
FY20180658	DOWNTOWN WALKABILITY PROJECT PHASES 6-9	-	-	500,000	500,000	500,000	500,000	2,000,000	-
P11082	NEW MILLS POND GREEN" IMPROVEMENTS"	-	-	749,300	-	-	-	749,300	-
FY20080068	NEW RIVERLAND MULTIPURPOSE FIELD LIGHTING	-	-	497,250	-	-	-	497,250	-
FY 20160400	NW 15TH AVENUE COMPLETE STREETS PROJECT	-	-	200,000	-	-	-	200,000	1,650,000
FY 20150154	CARTER PARK POOL IN-WATER RAMP TO POOL	-	-	113,520	-	-	-	113,520	-
FY20150156	LAUDERDALE MANORS POOL - IN-WATER RAMP	-	-	113,520	-	-	-	113,520	-
FY 20150153	BASS PARK POOL IN-WATER RAMP TO POOL	-	-	113,520	-	-	-	113,520	-
FY20130184	ANNIE BECK PARK IMPROVEMENTS	-	-	89,148	-	-	-	89,148	-
FY 20150141	BILL KEITH PRESERVE BOARDWALK EXTENSION	-	-	73,100	-	-	-	73,100	-
FY 20150229	RESTROOM RENOVATIONS, JIMMY EVERT TENNIS CENT	-	-	63,500	-	-	-	63,500	-
P12134	SIDEWALK AND PAVER REPLACEMENT/ANNUAL CONCRETE AND PAVING STONES	-	-	2,150,000	1,400,000	-	-	3,550,000	5,750,000
FY 20160415	AMERICAN DISABILITY ACT (ADA) IMPROVEMENTS	-	-	-	2,733,855	-	-	2,733,855	1,500,000
FY20110033	POLICE GUN RANGE - LEASE WITH BUILT-OUT	-	-	-	475,000	-	-	475,000	80,000
FY 20150159	LAS OLAS MARINA ELECTRICAL UPGRADE	-	-	-	336,375	-	-	336,375	-
FY 20160349	POLICE K-9 OFFICE	-	-	-	280,000	-	-	280,000	104,000
FY 20160452	OCEAN RESCUE LIFEGUARD TOWER REPLACEMENT PLAN	-	-	-	221,082	-	-	221,082	303,619
FY 20160378	NEW PLAYGROUND - MIDDLE RIVER TERRACE PARK	-	-	-	200,000	-	-	200,000	-
FY 20170503	ISLE OF PALMS DRIVE SEAWALL REPLACEMENT	-	-	-	-	751,170	-	751,170	1,247,425
FY 20170502	EAST LAS OLAS BLVD SEAWALL REPAIR	-	-	-	-	97,250	-	97,250	1,346,159
FY20180622	SE 13TH STREET BRIDGE	-	-	-	-	-	2,654,198	2,654,198	705,185
FY20080179	POLICE HEADQUARTERS REPLACEMENT	-	-	-	-	-	-	-	80,814,905
FY20130190	PUBLIC SAFETY TRAINING FACILITY	-	-	-	-	-	-	-	10,721,250
FY20100188	FLEET MAINTENANCE & REPAIR GARAGE FACILITY	-	-	-	-	-	-	-	10,625,000
FY 20170541	ADA BARRIER REMOVAL CITY PARKS	-	-	-	-	-	-	-	3,000,000
FY 20170543	SE 17TH STREET MOBILITYPLAN IMPROVEMENTS	-	-	-	-	-	-	-	2,691,000
FY20180651	BEACH TRAFFIC MANAGEMENT PLAN EXECUTION	-	-	-	-	-	-	-	2,300,000
FY 20150158	MILLS POND PARK ARTIFICIAL TURF	-	-	-	-	-	-	-	2,200,000
FY20080048	NEW SHIRLEY SMALL PARK COMMUNITY CENTER	-	-	-	-	-	-	-	2,000,000
FY20130199	CITY HALL ELEVATOR MAINTENANCE UPGRADE	-	-	-	-	-	-	-	2,000,000
FY 20170555	BASS PARK IMPROVEMENTS	-	-	-	-	-	-	-	1,977,300
P12058	TUNNEL PEDESTRIAN PLAZA IMPROVEMENTS	-	-	-	-	-	-	-	1,808,014
FY20080071	SNYDER PARK IMPROVEMENTS	-	-	-	-	-	-	-	1,749,368
FY20080031	FLOYD HULL PARK RENOVATIONS	-	-	-	-	-	-	-	1,054,746
FY20180621	NE 1ST STREET BRIDGE	-	-	-	-	-	-	-	1,443,717
FY 20150194	POLICE HEADQUARTERS SECOND FLOOR RENOVAT	-	-	-	-	-	-	-	1,419,150
FY 20170500	RESURFACE CLAY COURTS - JIMMY EVERT TENNIS CENTER	-	-	-	-	-	-	-	926,612
FY20180609	RIVER OAKS PRESERVE PARK - PARKING LOT	-	-	-	-	-	-	-	920,969
FY20180641	NEIGHBORHOOD SIDEWALK PROJECT	-	-	-	-	-	-	-	900,000
FY 20170566	HOLIDAY PARK IMPROVEMENTS	-	-	-	-	-	-	-	845,000
FY20180640	BREAKERS AVENUE COMPLETE STREETS	-	-	-	-	-	-	-	840,000
FY 20170568	RIVERLAND PARK IMPROVEMENTS	-	-	-	-	-	-	-	831,300
FY 20170569	SHIRLEY SMALL PARK IMPROVEMENTS	-	-	-	-	-	-	-	800,000
FY20080007	CROISSANT PARK IMPROVEMENTS	-	-	-	-	-	-	-	800,000
FY 20170563	FLORENCE C. HARDY PARK IMPROVEMENTS	-	-	-	-	-	-	-	777,300
FY 20170570	SUNSET PARK IMPROVEMENTS	-	-	-	-	-	-	-	750,000
FY20180620	BAYVIEW DRIVE BRIDGE OVER LONGBOAT INLET	-	-	-	-	-	-	-	687,000
FY20120094	NEW OSSWALD GOLF COURSE LIGHTS	-	-	-	-	-	-	-	652,752
FY20180639	BAYVIEW DRIVE COMPLETE STREETS PROJECT	-	-	-	-	-	-	-	620,000
FY20180657	LAS OLAS BOULEVARD PHASE 2 FULL BUILD OUT	-	-	-	-	-	-	-	588,000
FY 20160340	POLICE MOUNTED UNIT EXPANSION OF THE HORSE BARN	-	-	-	-	-	-	-	561,402

City of Fort Lauderdale
Adopted FY 2018 - FY 2022 Community Investment Plan

Project #	Project Title	Unspent Balance as of August 4, 2017	FY 2018*	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 CIP Total **	Unfunded
FY20110063	NE 15 AVENUE CORRIDOR SAFETY IMPROVEMENTS	-	-	-	-	-	-	-	1,301,398
FY20180614	HUIZENG PARK ARTIFICIAL TURF	-	-	-	-	-	-	-	450,000
FY 20170571	WARFIELD PARK IMPROVEMENTS	-	-	-	-	-	-	-	450,000
P12186	GEORGE ENGLISH PARK BOAT RAMP RENOVATIONS	-	-	-	-	-	-	-	400,000
FY20180652	SUSTAINABLE DEVELOPMENT LOBBY RENOVATIONS	-	-	-	-	-	-	-	385,000
FY 20170574	WILLIAM DANDY MIDDLE SCHOOL IMPROVEMENTS	-	-	-	-	-	-	-	380,000
FY 20170481	DINGHY DOCK LAS OLAS BIGHT (MERLE FOGG/IDLEWYLD)	-	-	-	-	-	-	-	369,000
FY 20170573	SUNRISE MIDDLE SCHOOL IMPROVEMENTS	-	-	-	-	-	-	-	360,000
FY20100181	POLICE DEPT FREIGHT ELEVATOR REPLACEMENTS	-	-	-	-	-	-	-	350,000
FY20140040	RIVERSIDE PARK RESTROOMS	-	-	-	-	-	-	-	318,500
FY20180636	SUSTAINABLE DEVELOPMENT SECURITY IMPROVEMENTS	-	-	-	-	-	-	-	308,000
FY20140029	SHADE OVER HOLIDAY PARK BASEBALL FIELD BLEACHERS	-	-	-	-	-	-	-	301,070
FY20180644	RIVERLAND PARK POOL RESURFACING	-	-	-	-	-	-	-	270,000
FY 20170496	RENOVATIONS JIMMY EVERT TENNIS CENTER	-	-	-	-	-	-	-	200,000
FY 20150142	SHIRLEY SMALL PARK RESTROOM	-	-	-	-	-	-	-	184,800
FY 20170482	RESTROOM DR. ELIZABETH HAYS CIVIC PARK	-	-	-	-	-	-	-	184,800
FY20140054	BAYVIEW DRIVE BIKE/PEDESTRIAN PROJECT	-	-	-	-	-	-	-	170,000
FY 20170479	CARTER, CROISSANT & LAUD MANORS WATER PLAYGROUNDS	-	-	-	-	-	-	-	150,000
FY 20170564	GEORGE W. ENGLISH PARK BASKETBALL COURTS	-	-	-	-	-	-	-	150,000
FY 20170480	POOL CHEMICAL CONTROLLERS - VARIOUS SITES	-	-	-	-	-	-	-	129,949
P12000	REPLACEMENT DOCUMENT MANAGEMENT SYSTEM	-	-	-	-	-	-	-	107,706
FY 20160330	MUSIC RECORDING STUDIO	-	-	-	-	-	-	-	100,000
FY 20170575	STEPHEN FOSTER ELEMENTARY SCHOOL BASKETBALL COURTS	-	-	-	-	-	-	-	100,000
FY20180653	CODE COMPLIANCE WORK SPACE UPGRADES	-	-	-	-	-	-	-	100,000
FY 20170493	MILLS POND PARK BASKETBALL COURTS	-	-	-	-	-	-	-	87,750
FY 20170556	BENNESON PARK BASKETBALL COURTS	-	-	-	-	-	-	-	50,000
FY 20170557	BRYANT H. PENNEY PARK BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170558	COONTIE HATCHEE PARK BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170561	ESTERRE DAVIS WRIGHT PARK BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170562	FLAMINGO PARK NEW BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170565	GUTHRIE-BLAKE PARK BASKETBALL COURT	-	-	-	-	-	-	-	50,000
FY 20170572	LAUDERDALE MANORS ENTRANCEWAY BASKETBALL COURT	-	-	-	-	-	-	-	50,000
General Capital Projects Fund (331) Total		30,016,770	25,831,134	13,104,095	9,834,574	9,798,682	10,288,262	98,873,517	211,941,782
Gas Tax Fund (332)									
P12223	ANNUAL ASPHALT RESURFACING	364,612	375,000	375,000	375,000	375,000	375,000	2,239,612	1,935,000
P11945	ANNUAL MICROSURFACING	303,601	443,115	443,115	443,115	443,115	443,115	2,519,176	-
P11762	CONCRETE AND PAVER MAINTENANCE 2011/12	25,050	-	-	-	-	-	25,050	-
Gas Tax Fund (332) Total		693,263	818,115	818,115	818,115	818,115	818,115	4,783,838	1,935,000
Fire Rescue Bond 2005 Series Fund (336)									
P10918	FIRE STATION 13 REPLACEMENT	4,996,888	-	-	-	-	-	4,996,888	-
P10909	FIRE STATION DESIGN & CONSTRUCTION - FS 8 (SOUTHEAST) - NEW	3,485,935	-	-	-	-	-	3,485,935	-
P10914	NEW FIRE STATION 54	4,082,804	-	-	-	-	-	4,082,804	-
P10911	FIRE STATION 46 DESIGN & CONSTRUCTION	69,603	-	-	-	-	-	69,603	-
P11892	TEMPORARY FIRE STATION 54	29,802	-	-	-	-	-	29,802	-
P11024	NEW FIRE STATIONS SHARED PROJECT COSTS	6,895	-	-	-	-	-	6,895	-
Fire Rescue Bond 2005 Series Fund (336) Total		12,671,927	-	-	-	-	-	12,671,927	-
Special Obligation Construction 2008B Fund (343)									
P12234	BAYVIEW DRIVE SEAWALL BEWN NE 59ST AND NE 60	279,385	-	-	-	-	-	279,385	-
P12089	BRIDGE REPLACEMENT AT COCONUT ISLE	117,432	-	-	-	-	-	117,432	-
P10777	SOUTH SIDE SCHOOL-PURCHASE & RESTORATION	18,521	-	-	-	-	-	18,521	-
P11774	RIVERWALK LIGHTING	3,890	-	-	-	-	-	3,890	-
Special Obligation Construction 2008B Fund (343) Total		419,228	-	-	-	-	-	419,228	-

City of Fort Lauderdale
Infrastructure Task Force Committee
November 5, 2018
2:00 p.m. to 5:00 p.m.
8th Floor City Commission Room – City Hall
Fort Lauderdale, FL 33301

1. Call to Order at 2:01 P.M.:

• **Roll Call**

MEMBERS		PRESENT	ABSENT
Marilyn Mammano	P	18	1
Ed Kwoka	P	16	3
Ralph Zeltman	P	18	1
Keith Cobb	P	12	7
Roosevelt Walters	P	17	2
Fred Stresau	P	15	4
Norm Ostrau	P	16	1
David Orshefsky	P	16	0
Jacquelyn Scott	P	4	0

Staff Present

Christopher Lagerbloom, Assistant City Manager
Paul Berg, Public Works Director
Joseph (Joe) Kenney, Assistant Public Works Director
Laura Reece, Budget Manager
Meredith Shuster, Administrative Assistant
Raj Verma, Staff Liaison

Roll was called at 2:02 p.m. and a quorum was established.

Communication to the City Commission

1. Member Ed Kwoka made the motion, seconded by member Roosevelt Walters recommending the City Commission proceed with the Bond for the Police Station.

In a voice vote, the motion carried unanimously.

City of Fort Lauderdale
Infrastructure Task Force Committee
April 1, 2019
2:00 p.m. to 5:00 p.m.
8th Floor City Commission Room – City Hall
Fort Lauderdale, FL 33301

MEMBERS		PRESENT	ABSENT
Marilyn Mammano	P	23	1
Ralph Zeltman	P	23	1
Peter Partington	P	4	0
Roosevelt Walters	P	22	2
Fred Stresau	P	20	4
Norm Ostrau	P	21	1
David Orshefsky	P	21	0
Jacquelyn Scott	A	8	1

Staff Present

Joe Kenney, Assistant Public Works Director-Engineering
Talal Abi-Karam, Assistant Public Works Director-Utilities
Lorraine Tappan, Principal Urban Planner, Dept. of Sustainable Dev.
Ella Parker, Urban Design & Planning Manager, Dept. of Sustainable Dev.
Lisa Marie Glover, Transportation Manager, Transportation and Mobility Dept.
Igor Vassiliev, Project Manager II
Meredith Shuster, Senior Administrative Assistant

Consultant

Edward Ng, Technical Vice President Planning, Corradino Group

Roll was called at 2:02 p.m. and a quorum was established.

Communication to the City Commission

Member Mr. Orshefsky made the motion, seconded by member Mr. Walters recommending the City Commission:

- a. Establish a permanent Infrastructure Advisory Board to continue the objectives of the Infrastructure Task Force and continue to make recommendations to the City Commission regarding infrastructure conditions and improvement strategies in infrastructure maintenance and resiliency.
- b. The Board will assist in reviewing existing City infrastructure, including, but not limited to: roads, sidewalks, airports, seawalls, water and wastewater distribution and collection systems, treatment plants, well fields, parks and all City facilities and structures and examine their current condition as well as review and identify funding sources and financing alternatives for those infrastructure improvements.

- c. The Board will consist of eleven (11) members appointed by resolution of the City Commission, who shall serve a three (3) year term; a maximum of two (2) consecutive terms, without compensation and at the pleasure of the City Commission.
 - i. Two members will be chosen by the Mayor and each Commissioner and one additional member by consensus of the entire Commission
- d. The Board should include members who have background or experiences to fit one or more of the identified groups. Also, it is recommended that each group be represented by at least one member of the following:

<p><u>Group 1:</u> Design & Engineering</p> <p><i>Landscape Architecture</i> <i>Urban Planning</i> <i>Civil Engineering</i></p>	<p><u>Group 2:</u> Municipal</p> <p><i>City Administration</i> <i>Former Elected Officials</i> <i>Former Public Works Directors</i></p>	<p><u>Group 3:</u> Finance</p> <p><i>Governmental Finance</i> <i>Private Finance</i></p>
<p><u>Group 4:</u> Law</p> <p><i>Municipal Law</i> <i>Corporate Law</i></p>	<p><u>Group 5:</u> Developer</p> <p><i>Private Development</i></p>	<p><u>Group 6:</u> Community Association</p> <p><i>Civic Associations</i></p>

- e. Each member of the Board shall be a resident, property owner, or business owner in the City of Fort Lauderdale.
- f. Notwithstanding the above, if the City Commission determines that an applicant for a vacancy on the Board possesses the experience required for filling a particular vacancy, such person may be appointed.
- g. Board meetings and procedures:
 - i. The Board shall select its own chair and vice-chair from its members.
 - ii. The Board shall adopt rules and procedures for the conduct of its meetings.
 - iii. A majority of the members appointed to the Board on the date a meeting is held shall constitute a quorum.

h. Board purpose and duties:

- i. To act in an advisory capacity to the City Commission with regards to infrastructure maintenance and repair; and
- ii. To review existing infrastructure, including, but not limited to: roads, sidewalks, airports, seawalls, water and wastewater distribution and collection systems, treatment plants, well fields, parks and all City facilities and structures and examine their current condition; and
- iii. To review and identify the repairs or replacements as well as review and identify funding sources and financing alternatives for those infrastructure improvements; and
- iv. To facilitate City resident's input in infrastructure improvements within the City; and
- v. To provide recommendations to the City Commission on the adoption, prioritization and implementation of initiatives, actions, policies, and public outreach and education programs to support and promote all aspects of infrastructure repair; and
- vi. To monitor the progress of approved recommendations and identify and address hurdles to their implementation to ensure that infrastructure improvements are implemented in a reasonable timeframe and at reasonable costs; and
- vii. To review and advise on future infrastructure requirements for the City including needs, implementation and potential funding sources; and,
- viii. To monitor and ensure that resiliency and sustainability is a consideration for all City infrastructure-related issues to confirm that the needs of future generations are considered beyond just the current priorities.

In a voice vote, the motion carried unanimously.

**City of Fort Lauderdale
Infrastructure Task Force Committee**

**May 6, 2019
2:00 p.m. to 5:00 p.m.
8th Floor City Commission Room – City Hall
Fort Lauderdale, FL 33301**

MEMBERS		PRESENT	ABSENT
Marilyn Mammano	P	24	1
Ralph Zeltman	P	24	1
Peter Partington	P	5	0
Roosevelt Walters	P	23	2
Fred Stresau	A	20	5
Norm Ostrau	P	22	1
David Orshefsky	A	21	1
Jacquelyn Scott	P	9	1
Gerald Angeli	P	1	0

Staff Present

Paul Berg, Director-Public Works
Joe Kenney, Assistant Public Works Director-Engineering
Talal Abi-Karam, Assistant Public Works Director-Utilities
Brandy Leighton, Sr. Project Manager
Jill Prizlee, Chief Engineer
Meredith Shuster, Senior Administrative Assistant

Consultant

Patricia A. Carney, PE, Hazen & Sawyer

Roll was called at 2:02 p.m. and a quorum was established.

Communication to the City Commission:

1. Member Jacquelyn Scott made the motion, seconded by member Mr. Walters recommending the City Commission:

Support the recommendation of the Water and Sewer Rate Study of April 16, 2019.

In a voice vote, the motion carried unanimously.

**City of Fort Lauderdale
Infrastructure Task Force Committee
June 4, 2019
8th Floor City Commission Room – City Hall
Fort Lauderdale, FL 33301**

MEMBERS		January-December 2019	
		PRESENT	ABSENT
Marilyn Mammano	P	25	1
Ralph Zeltman	P	25	1
Peter Partington	A	5	1
Roosevelt Walters	P	24	2
Fred Stresau	P	21	5
Norm Ostrau	P	23	1
David Orshefsky	P	22	1
Jacquelyn Scott	P	10	1
Gerald Angeli	P	2	0

Staff Present

Joe Kenney, Assistant Public Works Director-Engineering
Lorraine Tappan, Principal Urban Design Planner, Dept. of Sustainable Development
Meredith Shuster, Senior Administrative Assistant

Roll was called at 2:04 p.m. and a quorum was established.

Communication to the City Commission

1. Member Jacquelyn Scott made the motion, seconded by member Fred Stresau to request:

Does the City Commission desire the Infrastructure Task Force to review and contribute comments on the Comprehensive Plan to the Planning and Zoning Board and the City Commission?

In a voice vote, the motion carried unanimously.

**City of Fort Lauderdale
Infrastructure Task Force Committee
November 4, 2019
8th Floor City Commission Room – City Hall
Fort Lauderdale, FL 33301**

MEMBERS		PRESENT	ABSENT
Marilyn Mammano	P	29	1
Ralph Zeltman	P	29	1
Peter Partington	P	9	1
Roosevelt Walters	P	26	4
Fred Stresau	P	25	5
Norm Ostrau	P	27	1
Jacquelyn Scott	P	12	3
Gerald Angeli	P	6	0

Staff Present

Aneisha Daniel, Deputy Director- Public Works
Talal Abi-Karam, P.E. Assistant Public Works Director - Utilities
Dr. Nancy Gassman, Assistant Public Works Director-Sustainability
Omar Castellon, Chief Engineer
Jill Prizlee, Chief Engineer
Fred Harris, Sr. Technology Strategist
Meredith Shuster, Senior Administrative Assistant
Pauline Ricketts, Administrative Assistant
Prototype-Inc. Recording Secretary, Tatiana

Roll was called at 2:02 p.m. and a quorum was established.

Communication to the City Commission

With a quorum present, the Infrastructure Task Force by consensus communicates to the City Commission:

1. It is in favor of broadly considering the Public, Private Partnership (P3) approach [for the replacement of the Fiveash Water Treatment Plant] providing that no form of P3 allows that the City give up ownership of the water, water quality or rate structure.
2. Prior to supporting a P3 the City should hire a consultant to evaluate the different type of P3's that would be appropriate and beneficial to the City on this project and further urges the City Commission to begin the process of finding said consultant sooner rather than later should the P3 approach be determined to be the direction the City Commission chooses.
3. The Infrastructure Task Force supports the purchase of an allocation from the C-51 Reservoir and executing a Capacity Allocation Agreement.



DRAFT
MEETING MINUTES
CITY OF FORT LAUDERDALE
INFRASTRUCTURE TASK FORCE ADVISORY COMMITTEE
VIRTUAL MEETING

CITY OF FORT LAUDERDALE MONDAY, MARCH 1, 2021 – 2:00 P.M. TO 5:00 P.M.

<u>February 2021-January 2022</u>		<u>Attendance</u>	
Marilyn Mammano, Chair	P	2	0
Gerald Angeli (arr. 2:38)	P	2	0
Shane Grabski	P	2	0
Charlie Ladd	A	1	1
Michael Marshall	P	2	0
Peter Partington	P	2	0
Jacquelyn Scott	P	2	0
Roosevelt Walters	P	2	0
Ralph Zeltman	P	2	0

As of this date, there are 9 appointed members to the Committee, which means 5 would constitute a quorum.

Staff

Aneisha Daniel, Deputy Director of Public Works
Dr. Nancy Gassman, Assistant Director of Public Works – Sustainability
Rick Johnson, Utilities Distribution and Collection Systems Manager
Talal Abi-Karam, Assistant Director of Public Works – Utilities
Victor Carosi, Assistant Director of Public Works -- Engineering
Pauline Ricketts, Senior Administrative Assistant
Juan Rodriguez, Department of Transportation and Mobility
Crysta Parkinson, Recording Secretary, Prototype, Inc.

Communication to the City Commission

Motion made by Mr. Partington, seconded by Mr. Angeli, that the Infrastructure Task Force Committee requests that the City Manager and City Commission use any designated CIP funds that become available as the result of surtax funding be repurposed for other transportation projects. In a voice vote, the **motion** passed unanimously.

1. Call to Order

i. Roll Call

Chair Mammano called the meeting to order at 2:02 p.m. and roll was called.

ii. Approval of Agenda

Motion made by Mr. Walters, seconded by Ms. Scott, to approve the Agenda. In a voice vote, the **motion** passed unanimously.

iii. Approval of Previous Meeting Minutes February 1, 2021

Mr. Partington noted the following corrections/clarifications:

- P.4, paragraph 3: in the final sentence, replace “they” with the Committee
- P.5, paragraph 1: add “if” after “Attorney Spence stated that...”
- P.6, paragraph 7: add the word “fees” following “impact”
- P.7, paragraph 3: remove “accounting”
- P.9, paragraph 7: clarify “It is hoped that the *new force main* project”; also, the total length of the new line is 32,130 ft.

Mr. Zeltman recommended contacting Assistant City Attorney D’Wayne Spence for clarification of his comment on p.5 regarding expert testimony.

Motion made by Mr. Partington, seconded by Mr. Zeltman, to defer [approval of the February 1, 2021 minutes] until the next meeting. In a voice vote, the **motion** passed unanimously.

2. General Discussion and Comments by Committee Members

None.

3. Public Comments (At Each Item)

None.

4. Old Business

i. Continued Discussion on Developing Moratorium

Resolution Statement – *To evaluate and provide a recommendation on the feasibility and impact of implementing a moratorium on the acceptance of an application for or issuance of a development permit within the City.*

Chair Mammano noted that there is no additional information related to discussion of a moratorium on today’s Agenda. Deputy Director of Public Works Aneisha Daniel advised that no representative of the City Attorney’s Office is present at today’s meeting to assist with discussion of this Item.

Mr. Partington asked if there is any consensus from the Committee to bring forward a report related to the possibility of a moratorium. Chair Mammano observed that a Work Plan discussion is on today’s Agenda, and discussion of a report or consensus might be

better postponed until that Item so it can be discussed in context with other issues to be addressed by the Committee.

ii. CIP Forecast (Line Items 495 & 496)

Ms. Daniel recalled that at the February Committee meeting, there had been a suggestion that some Staff reports might be revised to make them more user-friendly. This effort will take some time, as the Public Works Department's operating and Community Investment Plan (CIP) budgets are due in March and currently take priority. She provided the Committee with a working document used in budget development, which includes information on the next tranche of bond funding.

The draft budget document provided to the Committee reflects the next tranche of water and sewer bond funds, including approximately \$38 to \$39 million for the City's central region. Ms. Daniel emphasized that this is a work in progress used toward the development of the next five-year CIP, which extends from fiscal year (FY) 2022 to FY 2026. The document is subject to change after meetings with the City's Budget Office and City Manager.

Chair Mammano asked for clarification of transferable funds. Ms. Daniel advised that there are eligible expenditures on projects in the water and sewer fund, as well as in the central region, for which City enterprise fund dollars were used; however, these projects are eligible for use of bond funds. Once a transfer is approved, the City may transfer bond dollars into the enterprise funds and use them for other projects.

Mr. Walters emphasized the importance of retaining full transparency throughout the process of moving money from one fund to another and ensuring that the Committee and other interested parties understand what is involved with this process. Ms. Daniel explained that Staff must identify each eligible project on which bond funds are used, and the bond council must approve the use in order to make the transfer. When this transfer is complete, the City will meet its requirement of 85% expenditure, or \$174 million, of the tranche of bond funds.

Ms. Daniel noted that while 15% of bond funds will remain unspent after the transfer, the City has been given additional time in which to expend these dollars.

Mr. Angeli joined the meeting at 2:38 p.m.

Mr. Partington asked if there are any Consent Order projects listed on the spreadsheet for the second tranche of \$200 million. Ms. Daniel advised that she would update the Committee on this at the next scheduled meeting after Staff further reviews the CIP budget. She reiterated that after Public Works submits its CIP and operating budgets on March 3, multiple meetings will be held throughout the budget process until the budget is adopted in September 2021.

Ms. Daniel recalled that a question had been asked at the February Committee meeting regarding a list of developments that have paid impact fees. She has requested a copy of this list from the Department of Sustainable Development (DSD) and will forward it to the Committee members when it is available. While the City's methodology ensures that these dollars are used toward eligible projects, there is no one-to-one accounting that breaks down how much of a given impact fee goes to any one specific project in the CIP.

Mr. Partington observed that there should be an easier way to trace the use of these funds. Ms. Daniel replied that Staff plans to meet with the City's Budget Office, as well as the Finance Director and Auditor, to determine if the process should be modified to more easily demonstrate compliance.

iii. Hazen & Sawyer Infrastructure Risk Map and Sewer Breaks

Ms. Daniel advised that consultant Hazen and Sawyer has created an overlay map of pipe breaks onto their risk analysis map. While the current map covers only 2019, the City will be able to provide an overlay of 2020 breaks at a later date.

The Committee discussed the overlay, noting a cluster of breaks in an area identified as having a high likelihood of failure. Patricia Carney, representing Hazen and Sawyer, stated that north and south sections of redundant lines are located in this area. She identified projects in this area that have been added to the Consent Order and are either underway or complete.

Ms. Carney continued that in addition to the 2019 breaks shown on the overlay, the current Consent Order is also dealing with a number of breaks that occurred prior to 2019, on which construction may be either underway or pending. She noted that Hazen and Sawyer's data goes back to 2016, and may be used to update the map so it is more comprehensive. Ms. Daniel added that CIP projects can also be added to the overlay to provide a fuller picture of projects that correspond to areas with breaks and high likelihood of failure.

Chair Mammano suggested that the overlay could also show projects that are and are not currently funded. Mr. Partington proposed regular updates of the map in order to show any clusters of breaks that may be developing.

5. New Business

i. Transportation Surtax Project

Chair Mammano recalled that when the Committee was created, it was provided with a list of the infrastructure elements it was tasked with reviewing. While the list began with water, stormwater, and sewer projects, it did not originally include a transportation element; however, there have been significant changes since that time, including adoption

of the Broward County transportation surtax as a dedicated source of funding for roads, transit, and other transportation-related projects.

Juan Rodriguez of the Department of Transportation and Mobility explained that he serves as a point of contact between Fort Lauderdale and the Broward County surtax team. The surtax was passed by referendum in 2018. In September 2020, the City entered into an inter-local agreement with Broward County that allows it to participate and receive funding for surtax-eligible projects. The City submitted over 100 applications for various transportation-related needs throughout the City, including repairs to bridges, roads, sidewalks.

The Broward Metropolitan Planning Organization (MPO), in conjunction with Broward County, ranked and evaluated all applications for surtax funding that were submitted by the 31 Broward municipalities. After this ranking was complete, Fort Lauderdale was awarded funding for eight projects totaling \$18 million over the next five years. These included both new construction and repair/maintenance projects.

Since these projects were awarded funding, Broward County has amended its inter-local agreement to stipulate what the surtax program will look like in the future for municipalities that receive funding. The Fort Lauderdale City Commission approved this amendment in January 2021. The amendment outlines when the City can anticipate additional funding, further clarification of annual applications, eligibility criteria, identification of ineligible items, and other specifics of the surtax program as a whole.

Since this amendment was passed by the City Commission, the City may now begin submitting documentation to the County, including final cost estimates and scope for the eight projects, as well as a draft solicitation. Once the County has reviewed these materials, it will prepare a funding agreement for each individual project. When these agreements have been approved by the City Commission as well, the City will receive funding for and may begin work on the eight projects. A list of these projects is included in the Committee members' backup materials.

Mr. Rodriguez further clarified that most of the projects are construction-ready and their funding is available in the current year. Future funding is available for projects that are in the planning or design phases.

Chair Mammano noted that two of the projects listed are bridges for which she understood CIP funding has been set aside. She asked what would become of these funds now that surtax funding will be used instead. Mr. Rodriguez advised that as the surtax projects are funded, the City can reevaluate the funds attributed to that project and allocate them toward other prioritized projects.

Mr. Partington commented that because a number of the City's bridges have been rated structurally deficient, any CIP funds which have been replaced by surtax funds should be used toward transportation projects, such as bridges, within the CIP.

Mr. Walters again emphasized the importance of transparency, and asked if some of the funds returned to the City could be used toward projects that were given lower priority by the City.

Mr. Zeltman recalled that at an earlier time, the Committee had been surprised to learn that monies from the Enterprise Fund were being allocated to non-utilities-related projects, as this was not how enterprise dollars were intended to be used. He hoped to see these monies refunded to the Enterprise Fund now that they have been replaced with Broward County surtax dollars.

Mr. Angeli asked how a given transportation project makes the surtax project list. Mr. Rodriguez explained that the recent amendment passed in January 2021 details the ranking criteria for the annual surtax project application process. Two major criteria address the following:

- Alleviation of traffic congestion
- Creation of new connections, including sidewalks and bicycle lanes

Each application cycle, the City will submit its greatest priorities; however, they do not know in advance how these priorities will rank among submissions by other municipalities.

Chair Mammano noted that Broward County also directly funds a number of transportation projects that are physically located in Fort Lauderdale, which were not submitted by the City. She requested a list or map of County projects.

Mr. Zeltman added that there may be state projects located within the City as well. Mr. Rodriguez explained that of the surtax projects funded each year, only 10% of surtax revenue goes directly to municipality-managed projects. This is why Fort Lauderdale has only eight funded projects rather than several more. Another allocation of surtax funds go toward transit operations across the county, such as community shuttle programs. He estimated that the County will manage 11 to 12 projects within Fort Lauderdale city limits over the next two years. The Florida Department of Transportation (FDOT) is a separate entity and has its own work program and funding, which are not related to County surtax dollars or priorities.

Chair Mammano observed that a comprehensive view of how much money is being spent by the City, County, and state could be helpful in developing any recommendations the Committee may wish to make to the City Commission.

Mr. Marshall commented that he would like to learn more about City projects that are currently in the queue to receive surtax funding, as well as more about the prioritization process and how it is consistent with the City's planning documents, including the Comprehensive Plan.

Chair Mammano noted that the City has had a number of Master Plans in the past, but has never had a comprehensive plan addressing traffic and transportation.

Motion made by Mr. Partington, seconded by Mr. Angeli, that the ITF requests that the City Manager and City Commission use any designated CIP funds that become available as the result of surtax funding be re-purposed for other transportation projects, particularly bridges.

Mr. Partington added that he would like his **motion** to be sent as a communication to the City Commission so it may be considered during budget deliberations.

Chair Mammano suggested that the **motion** not recommend alternate use of CIP funding specifically for bridges, as there may be other transportation projects of equal importance. Mr. Partington **amended** his **motion** to remove the specific reference to bridges.

In a voice vote, the **motion** passed unanimously (as amended).

Mr. Partington asked which entity ultimately makes decisions on use of surtax dollars for Fort Lauderdale projects. Mr. Rodriguez explained that the Broward MPO provides a list of evaluated and ranked projects to the Transportation Surtax Oversight Board, which reviews the list and then sends the projects on to the Broward County Board of County Commissioners. These officials have the final decision after a project has gone through the evaluation and ranking period.

ii. Stormwater Master Plan Funding Alternative

Dr. Nancy Gassman, Assistant Director of Public Works (Sustainability), showed a presentation on the City's \$200 million Stormwater Master Plan implementation, which is seeking funding from the Environmental Protection Agency's (EPA's) Water, Infrastructure, Finance, and Innovation Act (WIFIA) funding program. This program may consider funding up to \$98 million, or 49%, of the total \$200 million through a special low-interest loan. It is considered a better alternative than the bond market, which would apply a higher interest rate and closing costs. The remaining \$102 million would go out to the revenue bond market.

Dr. Gassman advised that the WIFIA program began in 2014. The City has funded other allowable costs through this program in the past and was invited to apply in the current year for WIFIA funding specifically for the Stormwater Master Plan.

Dr. Gassman continued that the City has been innovative in its address of the needs of its stormwater program. They have adopted a hybrid methodology to generate additional funds, which included:

- Moving costs from monthly utility bills to the annual property tax bills
- Beginning the first two of seven projects using a \$70 million line of credit, which will be repaid once the City has secured bonds

- Applying to the state for \$10 million to provide potential funding for the Durrs neighborhood
- Seeking additional grant opportunities

If the City can secure the \$10 million grant for the Durrs neighborhood, this would free up \$10 million in City dollars that can then be reconsidered for other stormwater-related projects.

Mr. Walters requested clarification of the amount the City would seek in bond funding to meet the expectations of its neighborhoods. Dr. Gassman clarified that the \$200 million to which she referred would be specific to stormwater needs, which is a different \$200 million than the second tranche of bond funding previously discussed by the Committee under the CIP budget and infrastructure Agenda Items. The expectation is that within a few years, the City would go out for a second \$200 million bond specifically for stormwater in order to undertake the second phase of the Stormwater Master Planning program, which would target another seven neighborhoods for improvements.

Ms. Daniel further clarified that the City's Finance Director and Staff have been diligent in working with the City's bond council to seek different funding opportunities. If other forms of revenue are available, this Staff will inform the City of these alternatives.

Mr. Partington noted that the needs of the Melrose Park and Melrose Manors neighborhoods were recently brought to the forefront, and asked if securing loan and grant funding would create the opportunity to undertake projects in these areas using stormwater bond funds. Dr. Gassman replied that the City has done an extensive amount of work to address concerns with the existing infrastructure in Melrose Park, and its stormwater engineering group is pursuing a design for improvements in Melrose Manors. While Melrose Manors was intended to be part of the second phase of the Stormwater Master Planning program, the design work for this location is being accelerated in response to recent events.

Dr. Gassman continued that the most up-to-date projections for the seven neighborhoods currently addressed in the Stormwater Master Plan come to roughly \$196 million. Should these programs move forward at a cost less than this projection, some bond funds would be left on the table for potential use to provide improvements in Melrose Manors. If no funds remain, this neighborhood would be included either in the next tranche of bond funding or another source of money would need to be identified, such as the potential freeing up of \$10 million dollars if the City receives this amount in grant funding for the Durrs neighborhood.

Mr. Partington asked if obtaining a lower-interest loan would open the door to the possibility of increasing the size of the \$200 million bond. Dr. Gassman advised that while this is correct, the City has not yet done design work for Melrose Manors and cannot make a reasonable prediction of this neighborhood's costs.

iii. Work Plan Discussion

Chair Mammano recalled that at the February 1, 2021 meeting, she had prepared a proposed outline for a report on the Committee's work. Mr. Zeltman had suggested that this report take the form of a work program, which would show what has been completed in one part of the document and items yet to be completed in another. The proposed work plan shows categories that the Committee has addressed, such as potable water, sewers, stormwater, seawalls, City facilities, and other items included within their mission statement.

Chair Mammano showed the draft work plan document, pointing out that its timeline extends from March 2017 to February 2022, which is the expected lifespan of the Committee. Their mission statement includes consideration of the overall funding of infrastructure in Fort Lauderdale. Items that have already been discussed include:

- Elimination of ROI
- Assessment of stormwater fees
- Grants, loans, federal programs, and other potential funding options
- County surtax capital budget substitutions
- Review of impact fees for water and sewer use
- Consideration of public input

Chair Mammano noted that some of the items listed above were discussed earlier in today's meeting.

The City Commission has requested that the Committee accomplish three goals:

- Opine on whether or not a public-private partnership (P3) was a good idea for the replacement of the Fiveash Water Treatment Plant
- Determine whether or not the City should participate in the C-51 allocation for additional water sources
- Decide whether or not a moratorium on development is necessary

The first two items have already been addressed by the Committee.

Chair Mammano continued that other topics and/or subcategories the Committee has previously discussed include:

- Sewers, including gravity sewers, force mains, and pump stations
- The City's Inflow and Infiltration (I&I) work program
- The Hazen and Sawyer report
- Update of the Reiss report
- The City's asset management plan
- Use of CIP, loan, or bond funds for replacement and rehabilitation of infrastructure
- Storm sewers, including replacement of gravity lines and relining of pipes
- Bond for replacement of the Police station
- Parks funding

- Roads and bridges

Items that have not been comprehensively discussed to date include:

- Seawalls
- Whether the I&I program reduces impact on treatment plants
- Outflows into the Intracoastal Waterway
- Limited study of City buildings and systems
- Replacement of City Hall with a new government center
- Sidewalks and trails

Chair Mammano concluded that any items the Committee has not discussed so far should be addressed between now and February 2022. She reiterated that the draft work program is only for the consideration of the Committee members. Her recommendation was that within the next six months, the Committee should be able to show the City Commission an analysis of what they have discussed, what should continue, and whether or not they have accomplished the goals set for them in their mandate, as well as where to go from here.

The Committee members discussed the draft work plan, with Ms. Scott requesting that further discussion and resolution of the issue of a moratorium be made a priority. Mr. Zeltman noted that a number of items which have already been discussed may require further consideration, and recommended that the members review these items and determine whether previous discussion of them was sufficient or they should be revisited.

Chair Mammano recalled that while roads have been discussed to a degree, the Committee has not addressed other mobility issues, such as alternative modes of transportation. Mr. Marshall advised that he felt these issues were all part of the same transportation infrastructure discussion. Mr. Angeli suggested that the Committee further discuss transportation as a full system, in a similar manner to their previous discussions of water and sewer systems, rather than consideration of roads, bridges, or other individual aspects of the system.

Mr. Partington agreed with Ms. Scott's proposal to further discuss a moratorium on development, pointing out that the current City Commission has emphasized the importance of this decision. He also addressed transportation, noting that many of the City's systems are under the control of other organizations, such as FDOT and Broward County. This limits what the City may be able to accomplish regarding this infrastructure.

Mr. Partington also recommended that the Committee consider providing a summary of the City's infrastructure funding needs across different categories over the next 20 years.

Chair Mammano concluded that the Committee's next meeting will address:

- Review of what has been discussed so far regarding the moratorium, ensuring the Committee has all the information it will need on this topic, and working toward a decision and recommendation

- Scheduling a workshop between the Committee and the City Commission to present the Committee's recommendation on a moratorium, as well as the interim report that Mr. Partington had proposed regarding long-term funding needs

It was determined that the Committee's goal would be to schedule a workshop meeting with the Commission in June 2020.

6. Public Works Update

i. Water & Sewer Breaks Report 2021 w/Mapping

Ms. Daniel recalled that this report provides a list of ongoing water and sewer breaks as they arise. The current report reflects two breaks in the water system in January 2021. There were no wastewater breaks during that time period.

Chair Mammano noted that this report was requested in relation to the Committee's discussion of the plan for water mains, including the areas in which they are breaking and whether these locations should be prioritized for repair/replacement. Ms. Daniel advised that her recollection was that the Committee had wished to see a collective list of all the water and sewer breaks on a month-to-month basis. This had originally been reflected in a spreadsheet, but was later transferred to a map in order to reflect whether patterns of breakage existed in some areas. The next month's report and map will show breaks that occurred in February 2021.

7. Adjournment – Next Regular Meeting TBA

Ms. Daniel advised that a virtual City training session for advisory board and committee members is scheduled for Tuesday, March 30, 2021 at 6 p.m. Any members wishing to participate are asked to RSVP no later than March 22 at 828-5288.

There being no further business to come before the Committee at this time, the meeting was adjourned at 4:28 p.m.

Any written public comments made 48 hours prior to the meeting regarding items discussed during the proceedings have been attached hereto.

[Minutes prepared by K. McGuire, Prototype, Inc.]



CITY OF FORT LAUDERDALE

DRAFT
MEETING MINUTES
CITY OF FORT LAUDERDALE
INFRASTRUCTURE TASK FORCE ADVISORY COMMITTEE
VIRTUAL MEETING

MONDAY, MAY 3, 2021 – 2:00 P.M. TO 5:00 P.M.

<u>February 2021-January 2022</u>		<u>Attendance</u>	
Marilyn Mammano, Chair	P	4	0
Gerald Angeli	P	4	0
Shane Grabski	P	4	0
Charlie Ladd (arr. 3:31)	P	3	1
Michael Marshall	P	3	1
Peter Partington	P	4	0
Jacquelyn Scott	P	4	0
Roosevelt Walters	P	4	0
Ralph Zeltman	P	4	0

As of this date, there are 9 appointed members to the Committee, which means 5 would constitute a quorum.

Staff

Raj Verma, Director of Public Works
Aneisha Daniel, Deputy Director of Public Works
Dr. Nancy Gassman, Assistant Director of Public Works – Sustainability
Talal Abi-Karam, Assistant Director of Public Works – Utilities
Victor Carosi, Assistant Director of Public Works -- Engineering
Omar Castellon, Chief Engineer
Jill Prizlee, Chief Engineer
Pauline Ricketts, Senior Administrative Assistant
Daphnee Sainvil, Government and External Affairs Manager
Kymberly Holcombe, Senior Financial Administrator
Igor Vassiliev, Project Engineer
Gary Foster, Project Manager
Dronix Suarez, Project Manager II
Crysta Parkinson, Recording Secretary, Prototype, Inc.

Communication to the City Commission

Motion made by Mr. Partington, seconded by Ms. Scott, that the Infrastructure Task Force does not consider that a development moratorium related to infrastructure is necessary at this time; however, the City should consider the condition of the water, sewer, and stormwater infrastructure impacted by developments in addition to the capacity of impacted infrastructure, and that the Ordinance currently governing development should be amended to include explicit consideration of condition of infrastructure. In a roll call vote, the **motion** passed unanimously (9-0).

Motion made by Chair Mammano, seconded by Ms. Scott, to forward this as a communication to the City Commission and request a workshop with them to discuss the recommendation and the next steps for the Infrastructure Task Force Committee. In a roll call vote, the **motion** passed unanimously (9-0).

1. Call to Order

i. Roll Call

Chair Mammano called the meeting to order at 2:10 p.m. and roll was called.

ii. Approval of Agenda

Chair Mammano requested that Item 5 be heard at the beginning of today's meeting.

Motion made by Ms. Scott, seconded by Mr. Zeltman, to approve the Agenda. [The **motion** passed by unanimous consent.]

5. New Business

i. Infrastructure Bill – City Lobbyist

Government and External Affairs Manager Daphnee Sainvil introduced herself to the Committee, explaining that her role with the City is to serve as in-house lobbyist. She oversees both state and federal lobbying duties for Fort Lauderdale on all subjects.

The City has made a number of federal earmark appropriation requests, including one for the Downtown Fort Lauderdale stormwater tidal valve project. This request was not advanced by Congresswoman Debbie Wasserman-Schultz, although Congressman Ted Deutch requested a joint water infrastructure package between Fort Lauderdale, Oakland Park, and Wilton Manors for \$900,000. This would fund an upgrade and efficiency project for water and wastewater systems provide connectivity between the municipalities, and would address sea level rise, extreme weather, and rising temperature. The City has not yet received word of where this request stands.

Chair Mammano requested clarification of the reason Congresswoman Wasserman-Schultz had not submitted the City's earmark requests. Ms. Sainvil explained that these requests did not lie within the Congresswoman's own district. The City had asked her to take projects from the late Congressman Alcee Hastings' district into consideration as well. It was noted that each Representative may submit no more than 10 earmark requests.

Ms. Sainvil explained that the earmarks through Representatives' offices are unrelated to funding from the American Rescue Plan: they are instead a separate funding source that

is set aside for Congressional Representatives. While the state of Florida received \$10.2 billion and Fort Lauderdale \$39.6 million from the American Rescue Plan, these dollars have already been allocated, with the majority intended to recoup losses in the City's general revenue.

Regarding other transportation, water, and wastewater infrastructure projects, the City is seeking grant funding that they may provide to small businesses which are still suffering from the effects of the pandemic. These funds may cover personal protective equipment (PPE) and other COVID-19-related expenses. The City has aggressively sought both funding and earmarks; however, there are some funding sources for which certain infrastructure projects are not eligible.

ii. Proposed State Bill – Municipalities' ability to collect Impact Fees

Chair Mammano requested an update on the status of Florida House Bill (HB) 337. Ms. Sainvil explained that this bill requires local governments and special tax districts to credit any contributions related to public facilities or infrastructure against the collection of impact fees. It also specifies conditions for which credits cannot be applied and addresses how local governments vote on impact fees. The bill is currently awaiting the Governor's signature.

Some of the changes in HB 337 include:

- Provision for a supermajority vote when local governments need to increase their impact fees
- Restricts increase of impact fees to 50% or less, applied in two equal 25% increments
- Fee increase limitations are retroactive to January 1, 2021
- In order to increase impact fees beyond 50%, local governments or special districts must apply a rational nexus test, or a study showing extraordinary circumstances that require the increase; this requires a 2/3 majority vote
- Impact fees cannot be increased retroactively for the previous or current fiscal or calendar year

Ms. Sainvil stated that she will have to review the final analysis of this bill, as a number of amendments were filed during the last week of the Florida legislative session. The bill is expected to have a significant impact on local governments.

Director of Public Works Raj Verma advised that he has worked closely with Ms. Sainvil with regard to infrastructure, and they believe that the City's impact fees are adequate at the moment, based on recent studies; however, they do not know what may happen in the future, which is why they conceptually opposed HB 337. He pointed out that the City does not set its impact fees arbitrarily: they must be preceded by an analysis of needs as well as of how rates are set.

Mr. Verma continued that smaller municipalities have a tendency to impose their impact fees arbitrarily, which may have affected HB 337. He noted that the analyses establishing the City's rates were very thorough. He also pointed out that on occasion, developers offer to provide certain improvements to expedite their projects or to act as good neighbors. These improvements are made on a voluntary basis and are over and above what the City may ask them to do.

Mr. Verma advised that he has discussed this issue extensively with the City's financial analysts, who conduct the studies that determine the City's impact fees. While HB 337 is new and has not yet been tested in court, he was informed that if a development causes the City to increase the size of its infrastructure, such as a pipe or pump station, and this increase was not accounted for at the time the impact fee was established, the City may ask for this increase without providing a credit.

Chair Mammano observed that the bill is likely to be addressed through the court system. Ms. Sainvil confirmed that the bill is expected to be signed into law by the Governor.

The Committee returned to discussion of infrastructure funding, with Ms. Sainvil pointing out that the City received \$10.5 million for a stormwater project in the Durrs neighborhood. This funding comes from the state, and is a combination of Community Development Block Grant (CDBG) and other grant dollars. The City received the full amount requested. Mr. Verma recognized the efforts of Ms. Sainvil and Public Works Staff in submitting this project. The City has also received a \$500,000 grant to improve seawalls on Hendricks Isle, although not all details are available at this time.

Ms. Scott asked how many federal lobbyists are employed by the City. Ms. Sainvil replied that there is one federal advocate at present, with three at the state level. The City is preparing a request for proposal (RFP) to consider new federal and state lobbyists. It has not yet been determined if they will retain their current lobbyists or change to new firms. She will serve on the ranking committee that evaluates respondents' qualifications.

Mr. Partington addressed the grant funding for the Durrs community, asking if this \$10.5 million will free up the same amount within the City's stormwater bond. Mr. Verma replied that the \$200 million stormwater bond covers only seven neighborhoods: the grant funds will allow the City to use its own \$10.5 million toward a more pressing need in another neighborhood, or to add more projects accordingly.

Chair Mammano recalled that the Committee had recently recommended to the City Commission that any funds reallocated due to the use of transportation surtax dollars be reapportioned for other transportation projects rather than assigned to non-transportation projects. Mr. Verma emphasized that Staff is aware of and follows this procedure.

Mr. Walters asked if HB 337 will affect impact fees across different types of infrastructure, including stormwater, wastewater, transportation, affordable housing, and other issues. Ms. Sainvil confirmed that the bill will affect impact fees across multiple programs. Mr.

Walters also requested additional information on how the \$900,000 in joint funding would be divided between the cities of Fort Lauderdale, Oakland Park, and Wilton Manors. Ms. Sainvil replied that this is not yet known, although it is likely the funds will either be divided equally among the three cities or according to the costs of implementation for the joint project.

Ms. Sainvil and Mr. Verma left the meeting at 2:44 p.m.

The Committee returned to Item 1.iii at this time.

iii. Approval of Previous Meeting Minutes April 5, 2021

Motion made by Mr. Walters, seconded by Mr. Partington, to approve the meeting minutes. In a voice vote, the **motion** passed unanimously.

2. General Discussion and Comments by Committee Members

Mr. Partington stated that at the May 4, 2021 City Commission meeting, a contract for \$2.95 million will be awarded for a deep well power project. The description of this item suggests that one of the City's five injection wells at the George T. Lohmeyer Wastewater Treatment Plant may become nonfunctional in the near future. He expressed concern with this possibility, noting that the Reiss report indicated the City is in need of another injection well. The contract would cover electrical work related to the injection wells.

Victor Carosi, Assistant Director of Public Works (Engineering), stated that the concern is not losing a well but losing the ability to remotely operate that well. The issue is in the electrical wiring that enables the movement of pumps through different wells by a control center. He emphasized that the function of the well itself is not at stake. Control still retains ability to operate the wells manually; however, this is a labor-intensive process, and the intent of the contract is to return to the automation process that allows the wells to be properly rotated.

Mr. Zeltman observed that there should be an emergency backup system once the compromised electrical line is replaced so the wells can be operated if an unexpected event occurs. He added that hopefully the aggressive replacement or repair of the gravity sewer lining, which is allowing the intrusion of significant groundwater, may delay the necessity for a sixth well farther into the future, if at all.

3. Public Comments (At Each Item)

Public comments were heard as each Item is discussed.

4. Old Business

i. Continued Discussion on Developing Moratorium

Resolution Statement – *To evaluate and provide a recommendation on the feasibility and impact of implementing a moratorium on the acceptance of an application for or issuance of a development permit within the City.*

Chair Mammano noted that at one point, the Committee had addressed the possibility of having a workshop with the City Commission prior to summer 2021 to discuss their recommendation regarding a moratorium. She recalled that she had prepared an outline of the issues on which the Committee may make recommendations. In addition, they have reviewed the spreadsheet used by Staff to evaluate projects that are currently underway.

Chair Mammano advised that the Committee may make one of three recommendations:

- No recommendation for a moratorium on the acceptance of applications for permits
- Recommendation in favor of this moratorium
- No need for a recommended moratorium if certain adjustments are made

Ms. Scott commented that she would like clarification of whether the Committee is discussing commercial buildings, including multi-family development, or single-family development only. She asked if they may make a recommendation for a moratorium on the development of some types of properties but not others, as she did not feel a moratorium was necessary for single-family homes.

Chair Mammano stated that during the moratorium discussion, the Assistant City Attorney had framed the issue as follows: if the Committee has identified a situation so significant that the City cannot meet its infrastructure requirements, a moratorium would be justified on some or all of the projects that are contributing to the issue. Ms. Scott pointed out that this may also apply to projects in an affected area. Chair Mammano observed that there is not sufficient evidence to suggest a moratorium, although there may be material information that suggests a moratorium may be necessary on particular developments in certain places.

Ms. Scott explained that what has been a concern for her is the condition of pump stations and other infrastructure in certain areas. She felt this was not closely considered when determinations are made on adequacy, as condition is not an aspect of the governing Ordinance. Mr. Partington agreed, stating that while the capacity of this infrastructure was taken into consideration, its condition was not. He also recalled that the Assistant City Attorney had identified one possible approach as implementing a moratorium that would allow for time to review and update the processes by which developments are examined; however, this would require expert testimony stating that development should be halted during this review.

Mr. Zeltman commented that he has seen moratoriums issued based upon the lack of capacity at a water treatment plant to meet the demand created by new developments. If large developments are being submitted and the system is approaching the limits of its capacity, a moratorium would allow provisions to be made to increase the capacity of the

plant. Chair Mammano noted that there has been no indication, however, that the system is approaching the limits of its capacity with regard to water. Mr. Zeltman continued that wastewater also presents a capacity issue that could affect the possibility of a moratorium.

Mr. Angeli advised that he was convinced of the ability of City Staff and City officials to review and make knowledgeable decisions about the impact that new construction will have on the community and its infrastructure. He also felt that condition should be a part of this analysis. He was not certain, however, of how well Staff follows up on whether or not the developer properly completes any action they are asked to take.

Mr. Marshall stated that he has not seen information that leads him to believe there is a capacity issue, or that Staff has not sufficiently required improvements to address capacity or service needs. He had, however, seen evidence of deferred maintenance, as well as weak points in the system that are not related to new development. He did not believe these issues could justify a moratorium in light of the consequences of shutting down development, and noted that the City is taking steps to correct these repair and maintenance issues.

Chair Mammano requested clarification of Mr. Marshall's concern for weak points in the system. Mr. Marshall explained that the Committee has seen instances in which pipes or lift stations are compromised and functioning at subpar levels. He felt the weak points were individual rather than systematic, and the City was not at a place where a moratorium was the best way to address these needs.

Mr. Grabski commented that there has been significant evolution of the City's water and wastewater adequacy letters in the past few years. He also agreed that further conditional analysis is necessary, and did not know the best way to explore this issue. He was not certain that there is an existing condition anywhere in the City that would require a temporary moratorium on development in that area. He pointed out that there are other means of identifying conditional issues, such as the City's valve exercise program, fire flow tests, and other testing that may be implemented to ensure that flows are sufficient and there are no existing issues.

Ms. Scott stated that she was prepared to support moving forward without a moratorium, acknowledging that Staff does a remarkable job; however, she recommended that the City revisit the Ordinance governing the issuance of capacity letters and fully ensure that condition is addressed.

Mr. Partington suggested that the Committee consider making a motion that would recommend the City Commission direct Staff to review and perhaps modify their development review process for water and sewer adequacy, with the intent of explicitly addressing the condition of this infrastructure. Another possibility might be for the Committee to make its own motion to this effect, and ask Staff to rework one of its most recent adequacy letters with a closer consideration of condition. He expressed concern

that the Staff members addressing capacity may not have the most up-to-date information regarding the condition of this infrastructure.

Mr. Walters added that if the Committee does not recommend a moratorium, they should let the Commission know it is necessary to put policy in place to ensure that Staff takes all necessary steps to identify potential problems in the future. He also recommended that the Committee use language similar to Staff's when referring to time frames, including terms such as "temporary," "permanent," "short-term," and "long-term," emphasizing that these terms are not interchangeable. Mr. Zeltman agreed with Mr. Walters' reference to language, suggesting that this could be made even more definitive, specifying exact timespans such as three, five, ten, or more years.

Ms. Scott noted that the adequacy statements issued by Staff are governed by an Ordinance that dictates how they are expected to evaluate condition. Chair Mammano observed that this Ordinance was discussed at a previous meeting and includes several subcategories. The Committee has only dealt with water, sewer, and stormwater.

Chair Mammano continued that Staff uses a spreadsheet reflecting these categories to determine adequacy, evaluating all projects on the basis of whether or not they will place significant new impact on pump stations. There was no mention of other infrastructure, such as pipes, on the spreadsheet. Ms. Scott agreed, asserting that evaluation of this additional infrastructure needs to be incorporated into the subject Ordinance.

Mr. Partington also felt the strongest method, short of a moratorium, to ensure condition is carefully considered would be to include it in the Ordinance. Chair Mammano proposed that the Committee invite a representative from the City Attorney's Office to attend their next meeting and make recommendations on how the existing Ordinance might be modified to incorporate a closer focus on condition. There was Committee consensus in favor of this option.

Motion made by Mr. Partington, seconded by Ms. Scott, that the City should consider the condition of the water, sewer, and stormwater infrastructure impacted by developments in addition to the capacity of impacted infrastructure, and that the Ordinance currently governing development should be amended to include explicit consideration of condition of infrastructure.

Mr. Marshall advised that while Staff reviews the condition of the City's aging infrastructure as part of the development review process, he also felt they should look at the condition of this infrastructure anyway, absent pending development or the submission of a development application. If aging infrastructure does not adequately support existing development, he did not feel the responsibility for improving that infrastructure should be placed on a single applicant who wishes to bring in new development.

Mr. Marshall continued that the **motion** currently on the floor asks Staff to consider and report upon the condition of affected infrastructure; however, his recommendation is that instead of having new development address a percentage of any deficiency, the City should keep up with this information so maintenance dollars can be directed to address the deficiencies. Ms. Scott pointed out, however, that if the condition of certain infrastructure is deemed deficient, it would be difficult for the Planning and Zoning Board (PZB) members to approve an application in that area. She felt it was the Committee's job to review findings and make a recommendation, not to propose how these findings might be addressed by the City.

Mr. Partington advised that it is very difficult for an expert to determine whether or not a particular development would cause high-risk infrastructure to fail. He noted that if the development review process makes no mention of the condition of infrastructure on which additional load is being placed, the PZB and City Commission could point out that they were not informed of the risk to infrastructure by a development. He reiterated that an expert would not be able to state with confidence that the demand from a new project would cause the high-risk infrastructure to fail.

Chair Mammano asked if identification of a problem with a particular area of the City's infrastructure would cause the PZB to deny an application. Ms. Scott explained that applications go before the City's Development Review Committee (DRC) prior to coming before the PZB. By the time the application comes to DRC, Staff will have already determined whether or not there is an issue with existing infrastructure, and will need to make plans to address this issue. An application in an area with high-risk infrastructure would be unlikely to come before the PZB without plans for the risk to be corrected.

Mr. Zeltman stated that a moratorium would most likely be issued only by a regulatory agency mandate imposed upon a utility company, rather than a recommendation issued by the City. He emphasized the importance of a provision that would take the condition of the City's aging pipes, some of which may be 50 to 70 years old, into consideration and mandate the City to take action before a regulatory agency imposes a Consent Order upon it to maintain and replace this infrastructure.

Mr. Ladd joined the meeting at 3:31 p.m.

The Committee further discussed the **motion** on the floor, with Mr. Ladd asking if the **motion** did not simply return the issue to the City Commission. Chair Mammano asserted that the **motion** was a response to the Commission's request that the Committee make a recommendation: their recommendation is not for a moratorium, but that the Ordinance be reviewed to specifically include condition along with capacity.

In a roll call vote, the **motion** passed unanimously (9-0).

Chair Mammano stated that the **motion** would be sent as a communication to the City Commission, and may be followed up by a workshop with the Commission so the

Committee can provide more information on how they came to their recommendation. She added that the Committee can also ask how the Commission asks them to move forward following their recommendation.

It was determined that the Committee has not addressed sidewalk condition, and that some items covered by the Ordinance, including traffic, parks, and Police, lie outside the Committee's purview. Mr. Zeltman recalled that in 2015, the City developed a program for the repair/replacement of sidewalks, as problems had occurred as a result of expanding tree roots. He suggested that the Committee continue this effort to address recurring sidewalk damage. Ms. Scott strongly agreed with a focus on sidewalk repair, pointing out that the previous City program to address sidewalks had not been carefully planned or executed.

Chair Mammano reiterated that it would be helpful for the Committee to meet with the Commission to advise them of where the Committee stands at present as well as to find out what the Commission wishes them to do in the future.

Mr. Grabski pointed out that while the Commission's charge was to make a recommendation on a moratorium, Mr. Partington's and Ms. Scott's **motion** had not specifically addressed a moratorium. Mr. Walters recommended that this earlier **motion** be reconsidered and amended as necessary.

Motion made by Mr. Partington, seconded by Ms. Scott, to recall the motion that passed just 15 minutes ago. In a roll call vote, the **motion** passed unanimously (9-0).

Motion made by Mr. Partington, seconded by Ms. Scott, that the Infrastructure Task Force does not consider that a development moratorium related to infrastructure is necessary at this time; however, all the rest of it exactly the same. In a roll call vote, the **motion** passed unanimously (9-0).

Motion made by Chair Mammano, seconded by Ms. Scott, to forward this as a communication to the City Commission and request a workshop with them to discuss the recommendation and the next steps for the Infrastructure Task Force Committee. In a roll call vote, the **motion** passed unanimously (9-0).

6. Public Works Update

i. Infrastructure adequacy for new development – Pump Station

Dronix Suarez, Project Manager II, showed a graphic representation of the adequacy update, explaining that it shows the basin corresponding to pump station B-8, which is provided as an example. When capacity analysis is performed, Staff reviews a number of items, including:

- Water availability, which is updated daily by the George T. Lohmeyer Water Treatment Plant

- Fire flow checks, which are conducted annually and reflected in geographic information systems (GIS) mapping
- Sanitary sewer analysis, which includes pump station run times

Mr. Suarez continued that the graphic provided to the Committee shows Staff's ability to track the status and condition of this infrastructure to a degree. If pump station run times begin to increase or spike, Staff can discuss what may be responsible for the increase.

The nominal average pump operation times (NAPOT) show how often pumps are running on a given day. Areas of concern are identified when these numbers rise above 8 to 10 hours total, with 10 hours as the desired maximum. He referred to the example graphic, pointing out that the increasing trend in these figures has been building since 2014. These values are provided once a month.

The graphic shows a drop-off in the hours of operation in October 2020. Mr. Suarez explained that inflow and infiltration (I&I) or other improvements may have been made at the subject pump station to bring these numbers down. The City can determine a number of issues from the numbers alone, including when new development significantly affects the operation of a pump station.

Chair Mammano asked if the increasing numbers would inform Staff that additional development permits in the subject area would be a concern. Mr. Suarez advised that Staff does not use this graphic internally: instead, they review the numbers generally. Once the numbers reach a certain level, however, they report that the pump station in question is seeing an increase in demand. They ensure that both Operations and Engineering are aware of the increase so issues can be investigated and/or addressed at the subject location.

Chair Mammano asked if the PZB would be made aware of the existence of any issues as well as the Department internally. Mr. Suarez replied that a similar graphic is provided to advisory bodies with every capacity letter.

Chair Mammano asked if Staff was aware of how many more approved projects might be coming online in the subject area before the graph reached its greatest increase prior to the drop-off. Mr. Suarez confirmed this, noting that this information is also provided in capacity analysis letters. Staff can also reach out to Operations to discuss ongoing trends.

Mr. Zeltman observed that the drop-off in use might also indicate the completion of recent sanitary sewer gravity lining, and noted that the dates of when repairs are made to the basin might correspond to this information. Another possibility could be a drought or other weather event. Mr. Suarez confirmed that this is taken into account whenever a negative change, such as an upward trend, is noticed.

Mr. Partington recalled that at previous meetings, the Committee has heard that some pump stations are being fitted with variable speed pumps, and asked how this might affect

the figures on the graphic. Mr. Suarez replied that while regular pumps require a specific consistent amount of flow in order to work at their optimum level, variable speed pumps have multiple points of efficiency, which allows multiple flows to achieve the same amount of efficiency in the pumps. There are only four variable speed pumps that are considered in three re-pump stations and one regular basin.

Mr. Partington requested clarification of the source of information on run times. Mr. Suarez advised that this information comes from the pump stations themselves and is reflected in a monthly operations report. This information is recorded manually and entered into an electronic database before it is transmitted to Staff.

Chair Mammano asked if this real-time data is available on all pump stations, as well as whether or not any of these stations are located in areas of concern. Mr. Suarez stated that while Staff reviews specific pump stations, they are connected with Operations in a way that allows them to maintain records for all pump stations. This permits them to look at adjacent pump stations to determine whether or not there may be issues in neighboring areas.

Chair Mammano asked if some problems might be solved before new development comes online. Mr. Suarez replied that he did not deal directly with timing: his responsibility is to analyze pump stations and run times, and convey data to the pertinent individuals and/or departments.

Mr. Angeli requested additional clarification of what the graphic's trend lines show. Mr. Suarez explained that one line serves as an "early alert" system for Staff: once the figures exceed this measurement, it is protocol to alert Operations and the rest of Engineering to inform them that there is an issue with that pump station. Once the figures reach the second indicator line, however, Staff is aware that the pump station is overtaxed. He noted that it is possible for pump stations to run at longer hours than intended, as there are safety factors in place.

Chair Mammano asked how many of the City's pump stations have numbers above either of the indicator lines, requesting a graphic of this data. Mr. Suarez replied that this information can be provided at a subsequent meeting.

Mr. Ladd asked what exactly was indicated by an increase above the first indicator line, such as demand, weather patterns, I&I, or other considerations. Mr. Suarez reiterated that this is discussed internally to determine a cause. He added that there are 194 pump stations within the City, which means detailed analysis can take significant time. Staff typically does not investigate these issues until their numbers reflect a need for concern. He advised that if the pump stations were examined based upon whether or not they have benefited from the City's relining project, they would show a decrease in I&I through the rainy season.

Mr. Grabski requested clarification of the pump times at which the indicators show cause for concern. Mr. Suarez explained that if average pump time exceeds 10 hours for one day, this indicates a need for further investigation. It was noted that duplex pump stations operate two pumps at an average of five hours per day; in addition, safety factors are in place for each pump in the event they exceed the recommended flow for a brief time.

Chief Engineer Omar Castellon further advised that Operations monitors all pump stations on a daily basis; Engineering reviews this information when there is an application for development.

Mr. Partington noted that the Hazen and Sawyer report identifies pump stations that operate in excess of 10 hours per day, and pointed out that this source of information should be reconciled with the graphic provided at today's meeting. Mr. Suarez stated that Staff maintains a similar table in its spreadsheet showing reports from all the City's pump stations. This table is constantly updated from the monthly reports provided by Operations.

Mr. Zeltman commented that the graphics shown can be misleading, as there are a number of variables that may come into play, including the number and size of pumps at a specific location, as well as variable speed. He emphasized the importance of coordination between Operations and Engineering to provide information about these factors.

ii. Water & Sewer Breaks Report 2021 w/Mapping

Gary Foster, Project Manager, reported that there were a total of 10 water breaks from January through March 2021, including breaks due to age, a leak, and a contractor hitting the line. The total includes planned maintenance, which is reported as breaks. Most breaks are due to ongoing work in the area rather than systematic issues with infrastructure.

Mr. Zeltman asked if one area in which a cluster of breaks is located involves pipes constructed and installed at approximately the same time. Mr. Foster replied that most of the pipes in this area were constructed from cast iron and were compromised due to the vibrations from work being done nearby.

Chair Mammano asked how a similar study of water mains in the area is progressing. Ms. Daniel stated that this mapping is ongoing, with roughly 80 raw water valves located thus far. Utilities Distribution and Collection Systems Manager Rick Johnson is overseeing this effort. This model is expected to be completed in July 2021.

Mr. Partington noted that a good deal is already known about the condition of a number of the City's pipes where breaks have occurred. Ms. Daniel confirmed this, explaining that the City must make strategic decisions about the funding and timing of these projects. A number of meetings have been held to determine whether or not projects included in the

City's Community Investment Plan (CIP) should be expedited if they involve infrastructure that suffered recent breaks. This led to the prioritization of some repair projects when funding was available.

iii. CIP Financial Report

Chair Mammano observed that this report provides an overall project analysis for bond funding, which totals \$204 million across multiple categories. She noted that a graphic for this presentation shows that 56% of bond funds have already been spent, with another significant portion encumbered. The remaining balance of the first tranche of bond funds is roughly \$67 million.

Chair Mammano continued that another graphic provided in this report reflects a different sum of \$259 million, and requested clarification of the difference in these funds. Ms. Daniel replied that while all of the listed projects are part of the City's Consent Order, a number of the projects may also be included in the bond, while others are funded through cash from Enterprise Funds. The next tranche of bond funds is scheduled to become available in 2023. A list of projects has already been identified for this tranche.

Ms. Daniel continued that a revenue estimating conference will be held in the next few weeks, which will review the funds available and revenues anticipated for the City to meet its bond covenant for debt payment.

7. Information

i. Impact Fees paid by Developers

Chair Mammano requested a total of the impact fees paid between October 2020 and April 2021. Mr. Castellon advised that the total is \$180 million during this time frame.

Chair Mammano requested additional information on the impact fee report. Project Engineer Igor Vassiliev replied that the chart reflects all impact fees paid by developers of various projects, including parks, sewer, and water. Broward County also receives an impact fee for traffic.

Mr. Partington asked how the water and sewer impact fees are used, recalling that HB 337 requires these dollars to be explicitly accounted for. He also requested a total of how much revenue is generated by these fees each year. It was determined that the impact fee report would be discussed in greater detail at the Committee's June 2021 meeting.

8. Adjournment – Next Regular Meeting TBA

There being no further business to come before the Committee at this time, the meeting was adjourned at 4:48 p.m.

Any written public comments made 48 hours prior to the meeting regarding items discussed during the proceedings have been attached hereto.

[Minutes prepared by K. McGuire, Prototype, Inc.]