

City of Fort Lauderdale Inflow and Infiltration (I&I) Update

August 28, 2018

Background:

A top priority outlined in the City's Capital Investment Program (CIP) is rehabilitating the public wastewater system by reducing inflow and infiltration (I&I). I&I reduction, by removing illicit connections and reducing stormwater intrusion during large rain events, provides an immediate level of service improvement to the system. I&I reduction benefits include:

- ✓ Lowering the risks associated with sewer backups;
- ✓ Reducing community investment in larger sewer pipes and facilities; and,
- ✓ Improving public health and the environment by reducing sewer overflows to local waterways.

The City has prioritized six (6) pump station basins, as outlined below, for completion by *September 2020*. Program funding is approved and the prioritized areas, included as part of the Consent Order with the Florida Department of Environmental Protection (FDEP), are on-schedule. Additional pump station basins will be scheduled for rehabilitation as part of future CIPs.

Progress Update - since March 2017: (see attached maps)

Basins-	Completed-	Underway-	Remaining (2019/2020)-	Total-
A-7	\$615,139.95	\$2,083,056.20	\$6,129,307.00	\$8,827,503.15
A-18	\$1,580,904.95	\$1,793,052.10	\$4,600,996.00	\$7,974,953.05
A-19	\$1,363,907.75	\$621,158.60	\$5,259,961.00	\$7,245,027.35
A-21	\$755,529.00	\$796,836.20	\$1,096,908.32	\$2,649,273.52
D-43	\$1,096,251.89	\$1,638,787.90	\$3,132,472.10	\$5,867,511.89
D-40	\$550,214.05	\$0.00	\$169,236.58	\$719,450.63
Totals	\$5,961,947.59	\$6,932,891.00	\$20,388,881.00	\$33,283,719.59

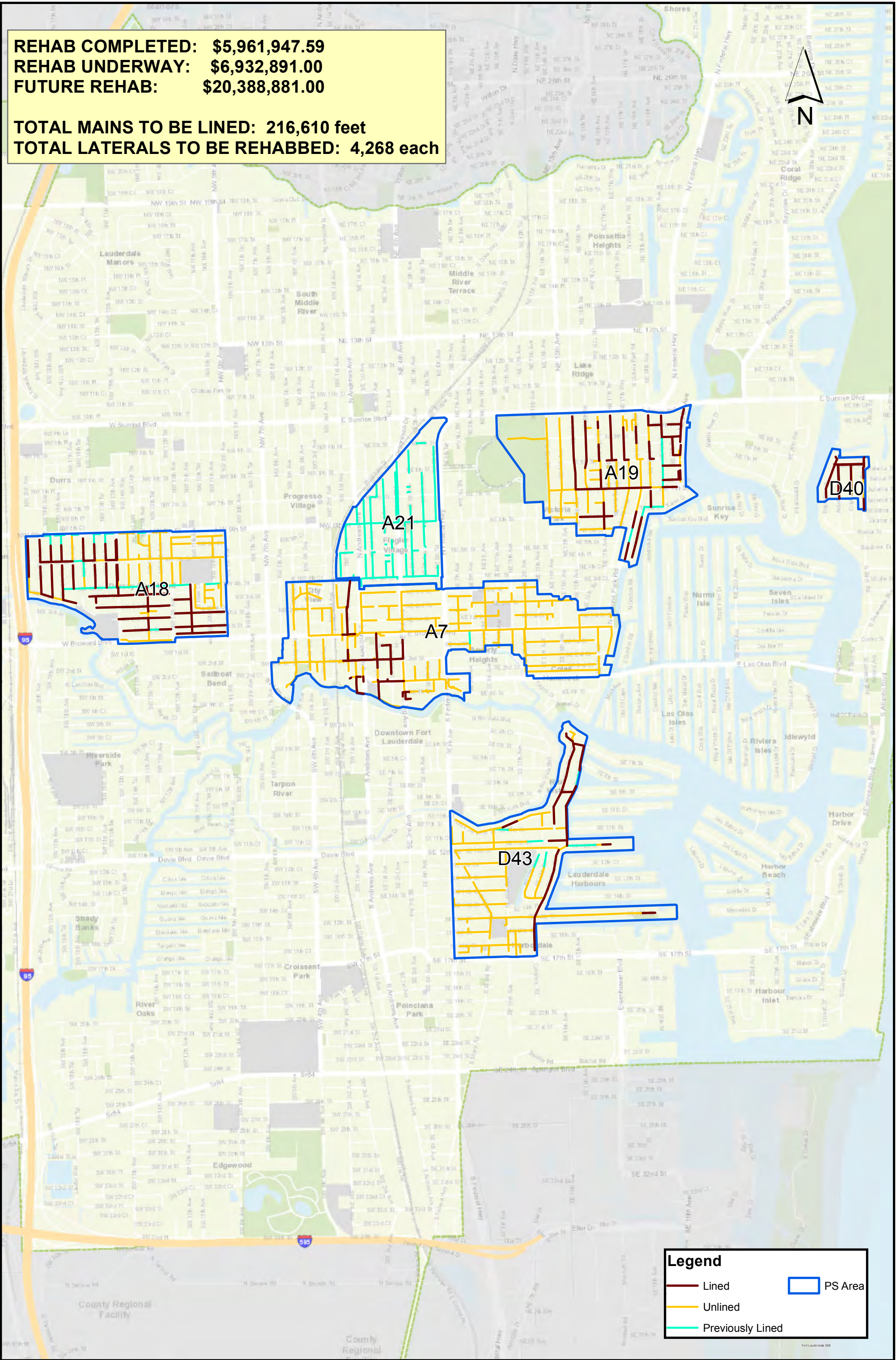
The City's Consent Order Program Manager, Hazen & Sawyer, will be supporting the City's effort for the remaining work including oversight and management of City approved I&I contractors. Upon completion of the high-priority areas in September 2020, the City will have rehabbed over 216,600 feet (41 miles) of public sanitary sewer main including approximately 4,300 lateral connections.

Attachments:

1. Inflow and Infiltration to be Completed by September 2020 Map
2. Future Inflow and Infiltration Map (beyond 2020)

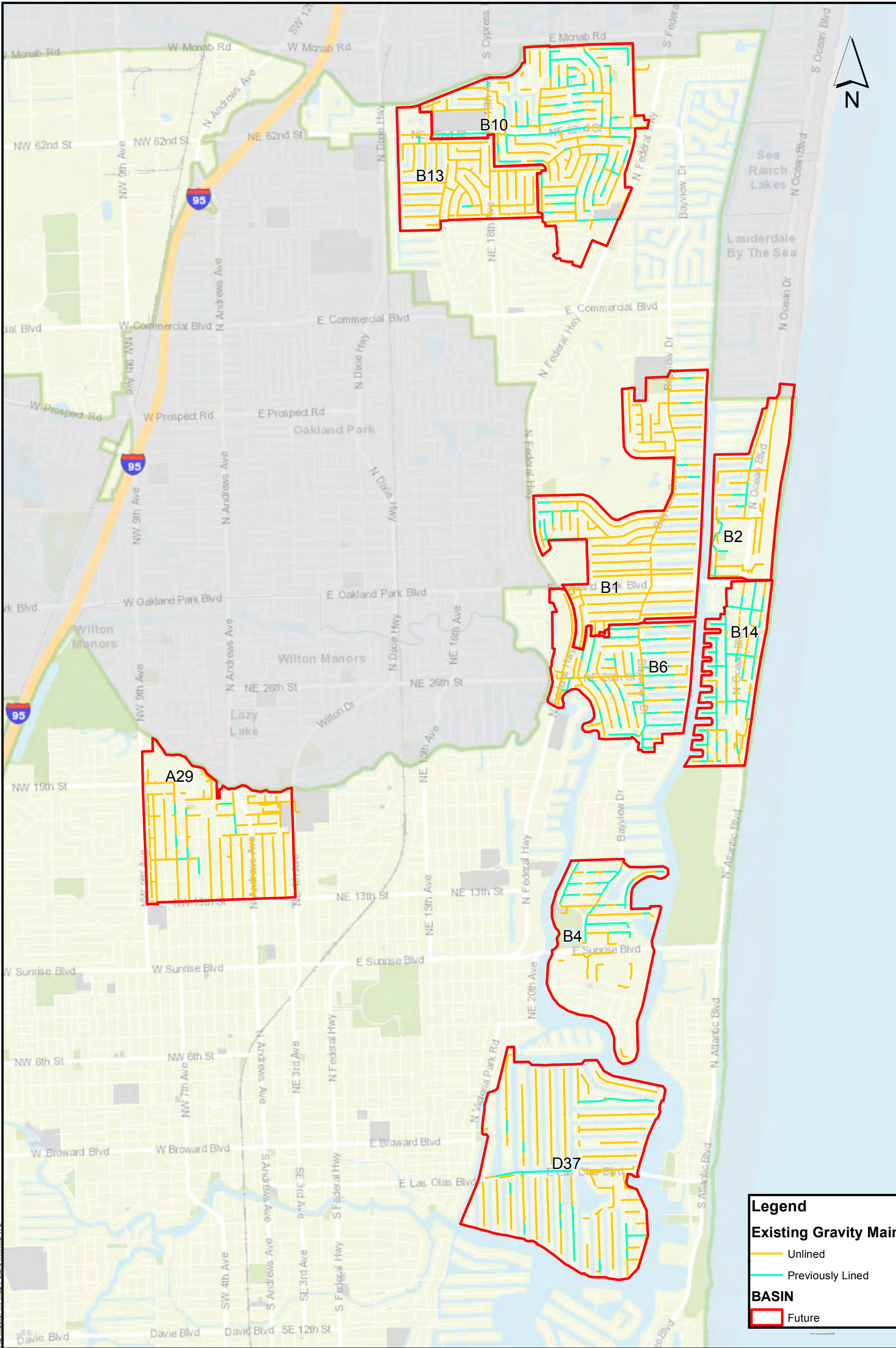
REHAB COMPLETED: \$5,961,947.59
REHAB UNDERWAY: \$6,932,891.00
FUTURE REHAB: \$20,388,881.00

TOTAL MAINS TO BE LINED: 216,610 feet
TOTAL LATERALS TO BE REHABBED: 4,268 each



TO BE COMPLETED BY SEPTEMBER 2020
INFLOW AND INFILTRATION
GRAVITY MAINS

0 495 990 1,980 2,970 3,960 Feet
Date: 8/28/2018





CITY OF FORT LAUDERDALE
City Commission Agenda Memo
REGULAR MEETING

#18-0751

TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Lee R. Feldman, ICMA-CM, City Manager

DATE: August 21, 2018

TITLE: Motion to Approve Increase in Funds to the Construction Engineering
Inspection Services Continuing Contract – Various Consultants -
\$1,405,000

Recommendation

It is recommended that the City Commission approve an increase in funds to the Construction Engineering Inspection (CEI) Services continuing contract (RFQ #466-11730) with R.J. Behar & Company, Inc., Michael Baker International, Inc., Wood Environment & Infrastructure Solutions, Inc., Craven Thompson & Associates, Inc. and Calvin Giordano & Associates, Inc. in the amount of \$1,405,000.

Background

On February 7, 2017, the City Commission approved the contract award for CEI services with an original approved funding amount of \$1,484,000 (CAM #17-0103). The initial contract is for a two-year term with two one-year renewal options. To date, seven task orders have been issued with a combined value of \$1,036,057. The remaining allocated funding of \$447,943 is not sufficient to provide the CEI services required for upcoming projects. When these contracts renew on February 7, 2019, an additional funding amount of \$742,000 will be allocated for the first renewal (half of the original two-year funding amount). The remaining allocated funding balance and future funding has been taken into consideration in determining the additional funding allocation increase. This contract provides CEI services authorized by individual task orders for individual projects. These contracts are used to advance many important initiatives and projects.

This funding allocation increase is necessary to provide CEI services for additional projects identified by staff; these projects include, but are not limited to, the following:

- Croissant Park - Small Water Mains
- Victoria Park A – North Small Water Mains
- Victoria Park B – South Small Water Mains
- Bermuda Riviera - Small Water Mains
- Bayshore Drive - Force Main Intracoastal Crossing

Resource Impact

There will be a fiscal impact to the City in the estimated amount \$1,405,000. Funds in the amount of \$1,405,000 are available in the FY 2018 accounts listed below.

<i>Funds available as of August 7, 2018</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB- OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
495-P12180.495-6599	Croissant Park Small Water Mains	Capital Outlay / Construction	\$ 3,460,125	\$ 3,231,894	\$ 260,000
495-P10850.495-6599	Victoria Park A – North Small Water Mains	Capital Outlay / Construction	\$ 4,961,073	\$ 4,882,312	\$ 350,000
495-P11901.495-6599	Victoria Park B – South Small Water Mains	Capital Outlay / Construction	\$ 5,437,049	\$ 5,342,715	\$ 350,000
495-P12391.495-6599	Bermuda Riviera Small Water Mains	Capital Outlay / Construction	\$ 5,276,700	\$ 4,880,300	\$ 250,000
454-P12351.454-6599	Bayshore Drive Force Main Intracoastal Crossing	Capital Outlay / Construction	\$ 1,395,872	\$ 1,138,366	\$ 195,000
TOTAL →					\$ 1,405,000

Strategic Connections

This item is a *Press Play Fort Lauderdale Strategic Plan 2018* initiative, included in the Infrastructure Cylinder or Excellence, specifically advancing:

- **Goal 2:** Be a sustainable and resilient community.
- **Objective 1:** Proactively maintain our water, wastewater, road and bridge infrastructure.

This item advances the *Fast Forward Fort Lauderdale 2035 Vision Plan: We Are Connected*

Prepared by: Scott A. Teschky, Public Works
Tanzania Johnson, Finance
Linda Blanco, Finance

Department Directors: Paul Berg, Public Works
Kirk Buffington, Finance



**CITY OF FORT LAUDERDALE
City Commission Agenda Memo
REGULAR MEETING**

#18-0698

TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Lee R. Feldman, ICMA-CM, City Manager

DATE: August 21, 2018

TITLE: Motion to Approve Contracts for Annual Bridge Repair, Maintenance and
Painting Project - Engineer Control Systems, Corporation and Lambert
Bros, Inc. - \$750,000 (two-year total)

Recommendation

It is recommended that the City Commission award annual contracts, in substantially the forms attached, to Engineer Control Systems, Corporation (ECS) as primary and Lambert Bros. Inc. (Lambert) as alternate, for bridge repair, maintenance and painting services, in the estimated aggregate amount of \$750,000 (two-year total) and authorize the City Manager to approve two one-year renewal options contingent upon appropriation of funds.

Background

On June 14, 2018, bids were received for an annual contract for bridge repair maintenance, and painting. The annual bridge program facilitates improvements and rehabilitation of the City's 52 bridges, maintaining safe conditions for public transportation. This project is for the restoration of bridges with epoxy coating including but not limited to: concrete spalls, cracks, expansion joints, bulkheads, and concrete piles.

The program is also designed to address all deficiencies identified by the Florida Department of Transportation (FDOT), District IV. These deficiencies are showcased in the FDOT bridge inspection report submitted to all local agencies including the City of Fort Lauderdale. Over a five (5) year period, FDOT submit individual reports for all 51 bridges owned by the City of Fort Lauderdale. The latest report issued by FDOT is dated November 29, 2017 and that report is for bridge 865790, also known as the S.E. 15th Avenue Bridge spanning over Carlotta River. The scheduled bridge repairs include: pile jacketing, pile cathodic protection, expansion joints removal and replacement, spall concrete repair, corroded rebar reinforcement treatment, replacement of rebar, concrete surface sealing, approach slab repair, construction of toe-wall for under-exposed bridge bulkheads and void filling. All repairs are designed to slow down the adverse action of the marine environment, thus extending the life of the structure.

Invitation to Bid No. 12133-283 was issued on May 7, 2018. The bid opening was held on June 14, 2018 and two bids were received. The bidders, ECS and Lambert have met all of the specifications of the bid and have been deemed as responsive and responsible bidders.

Resource Impact

There will be a current fiscal year impact to the City in the estimated amount of \$266,411 for construction and \$53,282 for in-house project management fees for a total cost of \$319,693, which is available in the FY2018 Community Investment Plan in the account listed below. Future expenditures are contingent upon the approval and appropriation of the annual budget.

<i>Funds available as of July 18, 2018</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
331-P12010.331-6599	Bridge Restoration	Capital Outlay / Construction	\$1,280,000	\$368,553	\$319,693
Total					\$319,693

Strategic Connections

This item is a *Press Play Fort Lauderdale Strategic Plan 2018* initiative, included within the Infrastructure Cylinder of Excellence, specifically advancing:

- Goal 2: Be a sustainable and resilient community.
- Objective 1: Proactively maintain our water, wastewater, road, and bridge infrastructure.

This item advances the *Fast Forward Fort Lauderdale 2035 Vision Plan: We Are Ready*.

Attachments

Exhibit 1 – Bid Tabulation

Exhibit 2 – Solicitation

Exhibit 3 – ECS Contract

Exhibit 4 – Lambert Contract

Prepared by: Raymond Nazaire, Public Works
Ginah Joseph, Finance
Linda Blanco, Finance

Department Directors: Paul Berg, Public Works
Kirk Buffington, Finance

Source:**Funds available as of August 2, 2018**

ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
001-269-000083	Affordable Housing Trust	N/A	\$0	\$0	\$691,804.64
001-219-000083	Affordable Housing Trust	N/A	\$0	\$0	\$64,051.00
TOTAL AMOUNT →					\$755,855.64

Use:

ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
149-FD149.01-Q001	Affordable Housing Trust Fund	Other Sources/ Transfer From General Fund	\$0	\$0	\$691,804.64
149-FD149.01-N994	Affordable Housing Trust Fund	Misc Revenues/ Affordable Housing	\$0	\$0	\$64,051.00
TOTAL AMOUNT →					\$755,855.64

Public Works**L. Transfer between Capital Projects – General Capital Projects Fund – Reprioritization of Seawall Replacements - \$8,548,407**

Abandoning the New River Seawall, Seven Isles Seawall Improvements, Seawall Replacement Himmarshee Canal North, City Owned Seawall Replacements, Aquatic Center Seawall, Bayview Drive Seawall, 2731 Federal Highway Seawall, Lido Drive Seawall, and Mola Avenue Seawall Projects

The Cordova Road and Isle of Palms seawalls were identified by the Seawall Masterplan as the top priority seawall replacements within the City of Fort Lauderdale. In addition to the structural degradation status of these two seawalls themselves, they are also overtopped during king tide events several times a year. These tidal events cause mass flooding in their respective neighborhoods, damaging both public and private property and making public right of ways impassible due to the saltwater inundation.

The two seawalls have been a top priority for the City for many years however, replacement has been delayed until funding could be secured. With the sale of a City property in April, 2018, the necessary funding became available to carry out these much needed replacements. Initially these allotted funds were spread out throughout ten City-owned seawall projects, and the purpose of this request is to consolidate these funds into the two highest priority seawall projects; one for Cordova Seawall and one for the Isle of Palms Seawall. Staff recommends abandoning the source seawall projects defunded with this request.

Staff recommends that the City Commission amend the FY 2018 – FY 2022 Community Investment Plan in the amount of \$8,633,991 for the reprioritization of seawall replacements.

Source:**Funds available as of July 30, 2018**

ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
331-P11827.331-6599	New River Seawall	Capital Outlay/ Construction	\$699,339	\$698,755	\$698,755
331-P11968.331-6599	Seven Isles Seawall Improvements	Capital Outlay/ Construction	\$100,000	\$79,937	\$79,937
331-P12329.331-6599	Seawall Replacement Himarshee Canal North	Capital Outlay/ Construction	\$2,942,194	\$2,940,442	\$2,940,442
331-P12330.331-6599	City Owned Seawall Replacements	Capital Outlay/ Construction	\$776,829	\$776,829	\$776,829
331-P12331.331-6599	Aquatic Center Seawall	Capital Outlay/ Construction	\$1,935,351	\$1,933,452	\$1,933,452
331-P12332.331-6599	Bayview Drive Seawall	Capital Outlay/ Construction	\$850,413	\$843,551	\$843,551
331-P12333.331-6599	2731 Federal Hwy Seawall	Capital Outlay/ Construction	\$825,093	\$802,011	\$802,011
331-P12338.331-6599	Lido Drive Seawall	Capital Outlay/ Construction	\$400,050	\$400,050	\$400,050
331-P12339.331-6599	Mola Ave. Seawall	Capital Outlay/ Construction	\$182,085	\$158,964	\$158,964
TOTAL AMOUNT →					\$8,633,991

Use:

ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
331-P12014.331-6599	Isle of Palms Seawall Replacement	Capital Outlay/ Construction	\$0	\$0	\$2,816,000
331-P12337.331-6599	Cordova Road Seawall Replacement	Capital Outlay/ Construction	\$427,850	\$427,850	\$5,817,991
TOTAL AMOUNT →					\$8,633,991

Information Technology Services**M. Appropriation of Fund Balance – Central Services Fund – Bucket Truck – \$106,330**

Information Technology Services (ITS) is requesting a budget amendment to pay for an Altec AT37G bucket truck with a F550 for the ITS Police Division. A bucket truck is needed to facilitate camera installation and repairs around the City. As the City continues to expand its camera infrastructure this will become even more important. Many of these cameras are outside and on sides of building or on light poles that are difficult to access safely with ladders.

This will also be used for special events like beach concerts when temporary cameras are installed. Availability of a bucket truck will allow us to perform camera maintenance in a timelier manner.

DRAFT
City of Fort Lauderdale
Infrastructure Task Force Committee
July 2, 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:**
 - **Roll Call**

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	P	12	3
Norm Ostrau	P	12	1
David Orshefsky	P	12	0

Staff Present

Pauline Ricketts, Administrative Aide
Raj Verma, City Liaison
Nancy Gassman, Interim Deputy Public Works Director
Lee Feldman, City Manager
Michael Mitchel, Prototype-Inc. recording secretary

2. **Approval of Agenda**

Motion made by Mr. Walters, seconded by Mr. Kwoka, to approve the agenda. In a voice vote, the motion carried unanimously.

3. **Approval of Previous Meeting Minutes**

A. June 4, 2018

Mr. Orshefsky made the following corrections, additions, and deletions:

- Page 9, Paragraph 6, second line, insert the word “upgrade”.
- Page 10, Paragraph 5, fourth line from the bottom, insert “for after he ...
- Page 11, last paragraph, first line, change affect from effectiveness...
- Page 13, Paragraph 6, ...”they could “not”.
- Page 15, fifth line from the bottom, the word “floor” should be in quotes.
- Page 18, Paragraph 3, third line, after FDEP; insert “Consent Order.
- Page 20, Paragraph 5, starts with Mr. Kwoka stated, it is a great “tool”.

Motion made by Mr. Orshefsky seconded by Mr. Walters to approve the June 4, 2018 meeting as amended. In a voice vote, the motion carried unanimously.

4. General Discussion (Board Members)

Chair Mammano questioned is this is the presentation we have been waiting for and if we are hearing it sometime soon.

Mr. Orshefsky commented that he has seen it so often.

Chair Mammano stated that this was the first time they would see the updated presentation.

Mr. Zeltman advised that he would like to see the updated presentation in a ~~card~~ **hard** form.

Chair Mammano indicated that they had discussion about whether the City should go over to the new system and it was very interesting. It is a little complicated. The issue turned on the equity issue because three of the Commissioners were very concerned about the equity of who was paying more and who was not paying more. It also turned on water rates and the same equitable issue. The Commissioners said if the City went with the new system the homeowners would be less burdened and the condos more burdened but with the water rate, the condos are more burdened than the homeowners. There was a ~~round~~ **discussion** around the equity issues.

Chair Mammano reiterated that in the water rates, the condo people are paying more than the single-family homes.

Mr. Orshefsky commented that there is a rate study currently being undertaken to confirm the factual accuracy of that statement.

Chair Mammano stated that fortunately, the pending rate study was introduced at the discussion and that gave some comfort to the Commissioners who were not inclined to go with the new system. Eventually, there was consensus to explore the hybrid system.

~~Mr. Zeltman~~ Mr. Zeltman's opinion **is** the rate structure is getting closer. The study needs to ~~make it a little more involved with the different types of zoning and~~ **include the various different densities of zoning so there is not one process for everything.**

Chair Mammano indicated that the Committee could ask that question.

Mr. Orshefsky stated that there was a series of discussions at the time. The Institute of Transportation Engineers (ITE) generates rates that are the basis for the trips model already makes those density distinctions. Single-family has one rate, up to multiple family units of four have another rate, nine and above have another rate, and 30 stories

has a third rate. At least, indirectly, the ITE generate rates, which are internationally recognized rates, already make the types of distinctions that you are talking about. If it is a policy matter and the Commission wants to go beyond that, he thought they would be buying themselves a huge implementation hassle that would ultimately defeat the effect of borrowing 'from the shelf' an ITE rate that makes the distinctions mentioned. The Commission can absolutely do that but the ITE already does that.

Mr. Zeltman commented that if that was already taken into the formula then we are fine. His concern was over simplification.

Chair Mammano advised that she was comforted when she understood that there was a differentiation as you get from single family to higher density.

Mr. Zeltman stated that is good that they have gone to that extra level.

Kyle Stevens, Project Manager with Stantec advised that was correct. The ITE trip generation rates have a good level of differentiation and they form a limited basis.

Mr. Orshefsky asked if the Communication to the Commission with respect to the members' terms had been transmitted to the Commission and if so, when it would be heard by the City Commission.

Mr. Verma stated that the motion would be heard at the July 10, 2018 conference.

Mr. Orshefsky requested the status of Jackie Scott as a member of the Infrastructure Task Force Committee.

Mr. Verma advised that Jackie Scott was confirmed at the last Planning and Zoning meeting but a confirmed notification has not been received from the City Clerk's office.

Mr. Orshefsky referenced data requests. There is a whole series of data requests that were follow-ons by several members of the Committee to get further detail about Bond dollars and CIP dollars. It has now been 30 days and Mr. Verma may have some answers but a lot of this data could simply be an informational item. Committee time would be better spent dealing with policy than with data. If responses of the data requests could be transmitted as an informational item there could be discussion if there are further questions.

Mr. Verma advised that the intent was to provide the information to the Committee in advance; however, the information was obtained from different departments up until about a half hour ago. Compiling the information has been somewhat difficult and then to translate that information into something simple adds a little more effort on his part. He has identified seven or eight issues that were requested, two or three were repeats so they were consolidated.

Mr. Orshefsky suggested that instead of trying to go through them today that Mr. Verma pull them together and send out an informational item in time for the next meeting.

Mr. Verma believed that everything was compiled. He has tried to answer most of the questions reading through the minutes.

Mr. Orshefsky commented that was fine and if they could end up with a protocol that gets the information to the Committee ahead of time, like when the rest of the agenda goes out, that would save a lot of time.

Mr. Kwoka assumed that Mr. Orshefsky was going to be going through these documents thoroughly. He stated that he intends to go through them. He did not want Mr. Orshefsky to feel that he had to carry that burden alone.

Mr. Orshefsky believed more eyes are better in substantive responses to questions.

Chair Mammano advised that we must somehow make a communication to the Commission that this new system of directing all the emails to our email address at the City has problems and that in the interim, perhaps they should continue to send it to our regular email addresses until the system is perfected and everyone has more comfort with it.

Mr. Zeltman also experienced problems.

Chair Mammano made a request to Mr. Verma that until the system is up and running he continue to send the information to them in their own emails.

Mr. Verma has taken that note.

Mr. Orshefsky suggested that Mr. Verma follow-up with the Clerk's office

Mr. Kwoka questioned if Jacquelyn Scott was appointed officially and if she was absent today.

Mr. Verma responded yes.

Chair Mammano questioned if Jacquelyn Scott was called during roll call and if she was listed as absent.

Mr. Mitchell replied that Ms. Scott was called and yes, she was marked absent.

5. Old Business

A. Recommendation to City Commission on Seven Priorities

i. Interim Draft Report

Mr. Orshefsky advised that he transmitted this document to staff on June 22, 2018 as a PDF. Upon completion today, he will send the priorities to staff in an MSWord document so they can start dealing with word processing. As he mentioned to Commissioner Glassman, the one time-sensitive thing he is willing to shoulder between now and the end of the week is finalizing high level executive summary type recommendations based on discussion today.

Mr. Stresau questioned if this was going to be transmitted by Thursday or Friday.

Mr. Orshefsky stated if it is going to go on the agenda packet for July 10, 2018, the Commission has to have the recommendations beforehand. It has to go to the City Clerk to be included on the agenda and in the backup.

Mr. Verma understood that there would be specific recommendations that include ad valorem adjustment.

Mr. Orshefsky mentioned that it is not just ad valorem; it is whether or not the Commissioners are going to take a position on the Return of Investment ("ROI"). He will debrief the Committee on the Workshop with BAB and the City Commission, which bears on all these issues.

Chair Mammano advised that there should be an introduction and then an executive summary. They asked us to do six things; water, sewer, stormwater, roads, sidewalks, and seawalls and then the Committee added impact fees.

Mr. Orshefsky indicated that one of the recommendations discussed as a consensus at the last meeting was updates to the impact fees to make sure new development is paying its fair share.

Chair Mammano thought the Communication to the Commission should be formatted as 1. Water and Sewer; 2. Stormwater; 3. Roads, Seawalls, and Sidewalks together, and then additional.

Mr. Ostrau did not see any sense in doing anything like that and noted that the Committee has to adhere to the priorities.

Mr. Orshefsky commented that the Commission did not set priorities. The Commission gave a list to the Committee.

Mr. Kwoka reminded that the Commission also included sea level rise.

Mr. Walters indicated that the fact that the Commission gave ideas and somewhat priorities, it is not this Committee's job to agree **with the Commission**. It is the Committee's job to make recommendations as to what should be done, not the Commission making recommendations as to what this Committee should be doing.

Chair Mammano agreed. This is not a question of 1, 2, 3, 4, 5, 6. The Commission asked this Committee to develop interim recommendations. The Committee also put in impact fees. She wanted to distinguish that this was coming from the Committee, not from the Commission.

Mr. Ostrau commented that it is all coming from the Committee.

Mr. Kwoka felt that the Commission already has a tight agenda. He thought the Committee should make their recommendations as succinct as possible and transmit them to the Commission. Perhaps the whole thing should be included so they can reference an incomplete draft and see where our thought process is.

Mr. Orshefsky and several members agreed.

Chair Mammano suggested getting right to the recommendations.

Mr. Orshefsky commented that at the Workshop meeting between the City Commission and the BAB, two things became very clear. One was that there was no significant appetite to raise ad valorem. However, number two; there was a consensus to phase out ROI over four years, so it was not going to be abrupt. Personally, he agreed with that. The concept of taking \$20 million out of a \$300 million budget is too abrupt. The Water and Sewer Fund is awash in hundreds of millions of dollars. Leaving ROI, at least near term, in the Water and Sewer Fund does not make a lot of sense.

He heard some discussion from the Administration, that if ROI is going to be reduced over time, their recommendation would be to take the ROI dollars and in the first year, reduce it by 25%. The 25% of the ROI that is transferred the next year is transferred with capital improvement earmarks. That means it cannot be spent for general revenue type things, it goes into Fund 331, which is the general revenue contribution to capital improvement; roads, sidewalks, bridges, seawalls. Those types of infrastructure among others do not have an enterprise fund. He did not think there was political support to end ROI immediately. If that is true, recapture the ROI fund transfer and earmark it for capital by year three. 75% of the ROI would be earmarked for capital improvement. Potentially, that would be the best of both worlds.

Mr. Kwoka mentioned that everyone knew there was going to be compromise here and he thought that while direction and magnitude are both important, that the direction is more important as long as the timetable is not excessive. If the ROI is going to reverse direction whether it is 20% or 25% magnitude over the next four or five years, he is comfortable with that.

Mr. Orshefsky questioned about the ROI leaving the Water and Sewer Fund or the other utility funds and being transmitted into capital funding on an annual basis.

Mr. Walters requested clarification on capital funds.

Mr. Orshefsky clarified roads, sidewalks, bridges, and seawalls.

Mr. Kwoka stated if there was no compromise then very little option is left other than a change in ad valorem or a reduction in spending. If the plan is to phase out ROI over five years, he could live with that.

Chair Mammano disagreed. She believed that this is a policy issue, that the Committee has identified a problem and that the problem should be expressed, and if the Commission, as a policy matter on their part, want to compromise and find a hybrid system like they did with stormwater, that is up to them. This Committee has been very clear about this and it is very important to take a stand. She did not think it was the Committee's business to tell the Commission how to massage this. It is the Committee's business to tell the Commission that this is a bad idea; this money should stay in the Enterprise Fund. She was not sure that she wanted Enterprise Fund money going into Fund 331 for roads and sidewalks. The Commission must figure out how to do this; it is either ad valorem taxes or they are going to have to economize on the budget; let them do their job.

Mr. Orshefsky referenced Mr. Kwoka's comment about reverse and noted the fee from that attachment of capital funding earmarks to ROI 25% of the time. He questioned if it reverses the flows of ROI out of the Water and Sewer Fund.

Mr. Kwoka meant decrease the amount by reverse. Mr. Kwoka agreed with Chair Mammano that the Commission needs to figure it out. It might be reasonable to compromise and say they have four years to do so, but it should decrease every year.

Chair Mammano stated that the Committee could say it is our opinion that the Commission should stop doing the ROI but an alternative to consider would be a hybrid system of gradually reducing the amount of money taken out of the Enterprise Fund.

Mr. Kwoka commented he believed that ROI should be discontinued and agreed that the Commission needs to figure out how to balance a budget. He thinks there needs to be a reasonable timetable to phase it out.

Mr. Zeltman agreed with Chair Mammano; forget about the political part, look at what is right to try to solve this problem. Mr. Orshefsky questioned by that if Mr. Zeltman meant end ROI.

Mr. Zeltman replied "yes."

Mr. Stresau mentioned that Mr. Orshefsky said there was hundreds of thousands of dollars that ought to be able to pay for whatever needs to be done. He thought the ROI should be phased out so the City could plan ahead.

Mr. Kwoka commented that the amount was "millions".

Mr. Ostrau advised that he was going with the recommendation except for earmarking the funds going to general revenue.

Mr. Orshefsky clarified that is if it is terminated immediately. He has heard some language of doing it, if necessary, over a period of years.

Mr. Kwoka liked the recommendation as it is, perhaps with a sentence or two more, that simply states that if necessary, over a four or five-year phase period.

Mr. Orshefsky stated that is where Keith Cobb was unwilling to go.

Mr. Verma indicated one of the things that was not in the discussion was the impact fees. If the impact fees come into play there would be additional dollars available to support immediate CIP's and that could have a direct impact on some of the issues being discussed.

Chair Mammano disagreed. Item #4 is impact fees. Impact fees can only be used for the impacts of development.

Mr. Orshefsky stated impact fee cash flows are not significant. If the consensus is to stop ROI and not suggest phasing, which is consistent with the position the Committee took last month, he wanted to go on record and say that he did not think that was pragmatic enough to get it done. The issue is to establish minimum annual general revenue funding contributions to the City's CIP. If we are not going to reserve what used to be ROI general fund dollars for other capital infrastructure, one has to recognize there are two pressures put on ad valorem. One is end ROI and the other is going to add funding to the General Fund. The capital budget for the City would become tense. Mr. Orshefsky will do whatever the consensus of the Committee is, but thought this was insufficiently pragmatic.

Motion made by Mr. Ostrau, seconded by Chair Mammano, to accept Recommendation #1 as is.

The Infrastructure Task Force recommends that the rate-based monies of the water/sewer funds (and other utility systems, including stormwater) 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.

Ayes: Ostrau, Zeltman, Mammano

Nays: Orshefsky, Stresau, Walters, Kwoka

In a roll call vote, the motion FAILED.

Mr. Orshefsky questioned if there was an alternative motion.

Mr. Kwoka thought the objective was to eliminate ROI but be fiscally responsible to the City. This Committee is Advisory and does not have the final say.

Mr. Orshefsky suggested an alternative motion; to accept the first recommendation, as drafted, with the addition of language that, "If the City Commission feels the need to phase out ROI over a period of time."

Mr. Kwoka stated that he was good with that if, "Over a period of time, not to exceed" could be added.

Mr. Orshefsky questioned not to exceed how many.

Mr. Kwoka replied not to exceed five years.

Mr. Orshefsky stated that at the Workshop discussion four years was brought up as the timeframe. He would suggest four years.

Mr. Ostrau questioned when Mr. Orshefsky goes to the budget meetings if all the planning is prefaced for a period of the next five years.

Mr. Orshefsky replied only in the CIP. The rest of the budget is one year at a time. He withdrew the last motion so Mr. Kwoka could make a motion.

Motion by Mr. Kwoka, seconded by Mr. Ostrau

The Infrastructure Task Force recommends 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.

Ayes: Orshefsky, Ostrau, Stresau, Walters, Zeltman, Kwoka

Nays: Mammano

In a roll call vote, the motion carried.

Mr. Orshefsky suggested, "If deemed necessary, the City Commission should consider phasing out the use of ROI over a period of time, not to exceed four years". It is ultimately a policy decision on their part.

Mr. Verma mentioned, "Not to exceed the phased-out period of four years".

Mr. Kwoka commented if it is phased out 10% this year, 10% next year, 10% the next year, and in year four it has to be phased out 70%.

Mr. Ostrau stated that accomplishes what we are after and it gives staff an opportunity to plan ahead.

Chair Mammano mentioned Recommendation #2. Approve or revise methodology for stormwater utility rates based on trips or traffic based methodology in order to allow sufficiently based funds to implement the costs for more management plan, provided that such additional funds are not subject to any ROI transfer to the General Fund.

Mr. Orshefsky stated there were two pieces to this. Stormwater is normally for drainage improvements. In some instances, the drainage improvements involve seawalls, which are not currently funded with stormwater monies. The question was if we wanted to make a recommendation to the City Commission that they expand the potential use of stormwater monies to cover seawalls.

Mr. Walters commented that the problem is City owned seawalls versus private owned seawalls. He has a seawall and the City has seawalls on each side of him. All the water is going to run off from where the City raised their seawalls onto his property. He did not want seawalls included unless a methodology is included for the private owner to have a method of obtaining funds.

Mr. Orshefsky suggested taking it out.

Chair Mammano noted that seawalls have to be considered more carefully.

Mr. Orshefsky stated that Dr. Gassman would probably say with stormwater, some seawall construction is necessary in order to make the stormwater work.

Chair Mammano advised that the seven priority areas do have some seawall components.

Mr. Orshefsky indicated that seawalls could be allocated as part of the Bond for drainage improvements.

Mr. Kwoka stated that this could be voted on either way. If the City determines that stormwater is going to wipe out the seawall being fixed and make the determination whether ten feet or 5,000 feet is needed on either side; he agreed with Mr. Walter that is a battle to take up another day.

Mr. Walters commented that he needs to be comfortable believing we are not going to overburden the private homeowners; he can support both.

Chair Mammano echoed Mr. Orshefsky and suggested taking this out.

Motion by Mr. Ostrau, seconded by Mr. Kwoka

The Infrastructure Task Force recommends 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.

Ayes: Orshefsky, Ostrau, Stresau, Walters, Zeltman, Kwoka, Mammano

Nays: None

In a roll call vote, the motion carried unanimously.

Chair Mammano mentioned the third recommendation; establish a minimum annual general revenue funded capital contribution to the City's CIP to support the City's infrastructure needs, ranging in size from 7% to 10% of the General Fund Operating Expenses.

Motion by Mr. Kwoka, seconded by Mr. Walters

The Infrastructure Task Force recommends 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.

In a voice vote, the motion carried unanimously.

Chair Mammano mentioned recommendation #4. The impact fee structure and the fees to ensure that new developments pay their fair share of future infrastructure costs.

Mr. Orshefsky questioned when the impact fees were last updated and if 2005 was the correct date.

Mr. Verma replied yes.

Mr. Orshefsky questioned if he could take out "confirmed".

Mr. Verma replied "yes."

Mr. Kwoka questioned if the word "regularly" could be removed.

Mr. Verma responded "no."

Mr. Kwoka questioned if we could leave out "annually".

Mr. Walters would leave "annually."

Mr. Verma stated that "annually", especially for the CIP, becomes very difficult.

Mr. Orshefsky commented that is a policy decision on the Commission's part and they have to spend money every time one of these studies is done.

Mr. Stresau ~~Mr. Verma~~ indicated that the landscape fees for tree removal were established in 1986 and he cannot get the Department of Sustainability to go back and review it.

Mr. Orshefsky questioned if that is fees or impacts.

Mr. Verma clarified that is impact fees.

Chair Mammano commented that there is already a contract to redo the impact fees.

Mr. Orshefsky stated he thought it was for Water and Sewer but he did not know how broad the scope was.

Mr. Verma did not know the scope either. Many communities tie in with some nationally recognized index, such as the consumer price index. There are many agencies, especially with impact fees, that tie in with the construction index. It puts the onus on the staff to be sure they are able to recover the cost related to the impact.

Mr. Kwoka questioned how many impact fees there are; not dollars, numbers.

Mr. Verma stated there are quite a few; he did not know. There are at least six or seven for sure.

Mr. Kwoka suggested saying, "The regularly analyzed update of impact structures and fees to ensure that new development is paying its fair share of future infrastructure with no impact fee going more than five calendar years before being reviewed". He questioned if they are all done at the same time.

Mr. Verma responded "no."

Mr. Kwoka questioned if one could be done this year and one in two years.

Mr. Orshefsky mentioned that the Committee did not want to micromanage the City Commission's approach to its budget. We are now micromanaging with anything other than "regularly", how often they update their impact fees. The fact that Water and Sewer has not been updated, as far as he knows, or some of the Building Permit fees since 2005, he agreed, that is 15 years. He suggested "Regularly, not to exceed every five years."

Mr. Stresau suggested getting rid of the word "regularly" regardless of what happens.

Mr. Orshefsky believed that "regularly" puts the burden on the City Commission to do it on a regular basis and if they are told how often to do it, then we are micromanaging their approach.

Mr. Kwoka stated it is not a lot different than saying, "Phase out ROI over four years". Mr. Orshefsky agreed to take out "regularly".

Mr. Kwoka mentioned that removing "regularly" becomes too rigid.

Mr. Verma commented that removing "regularly" could cause the City to lose a lot of revenue.

Mr. Orshefsky advised that Mr. Verma's cost of construction index could be built into the impact fee if that is the recommendation coming from the consultant. As a substantive matter, at the point where the City Commission adopts an impact fee, that is how they define that impact fee, it is not a fixed amount; it is an amount that floats with construction costs.

Chair Mammano questioned how to say this other than to analyze and update their impact fee structures.

Mr. Verma believed "regularly" should be defined. This is a policy matter. He understood the need not to dictate the Commission but the Committee's mission is to do the prioritization and recommend a funding mechanism. Whatever is a funding mechanism make sure it does not take 13 years to do.

Mr. Kwoka commented that 15 years is not "regularly. "

Mr. Verma stated that there is a huge amount of revenue that can go to solve some of the problems that this Committee has been discussing for months.

Mr. Ostrau suggested putting analyze and update.

Mr. Stresau mentioned using "timely analyze".

Mr. Kwoka commented that if we are going to say ROI in four years then we should say this should occur.

Mr. Orshefsky stated they are not monolithic. The parking package should be done every five or seven years, Water and Sewer may be every three. They are not monolithic in the rate studies.

Mr. Walters withdrew his objection.

Motion by Mr. Ostrau, seconded by Mr. Orshefsky

The Infrastructure Task Force 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.

Ayes: Orshefsky, Ostrau, Stresau, Walters, Zeltman, Kwoka, Mammano

Nays: None

In a roll call vote, the motion carried unanimously.

Chair Mammano advised that there are four recommendations to go into the executive summary.

Mr. Orshefsky needed direction on next steps. He made this up as he went along and listed some of the things that have not been discussed, including the Seawall Master Plan, which exists.

Chair Mammano commented that the Water Rate Study was not mentioned.

Mr. Orshefsky questioned if that should be added.

Chair Mammano replied absolutely, the Water Rate Study. She questioned if the next steps should be in the executive summary.

Mr. Orshefsky responded yes. This is an interim report and it is going to say "interim." This Committee needs to tell the Commission what the next steps are and if they need direction to come back to the Committee.

Mr. Verma questioned if the Committee was willing to include Local Option Gas Tax, as those funds could be used for eligible purposes.

Mr. Kwoka advised that the Committee does not have any control of that. He requested clarification on Gas Tax and questioned if it is natural gas or automobile gas.

Mr. Verma advised that there are two types unless the laws have changed. One goes to certain types of transportation related expenses and the other goes to related expenses for capital projects. It is a state law. It is prorated based on the population. There is a resolution that goes every year and that is certified by the Commission; it is millions of dollars in revenue. Because that is for transportation related projects and offers certain operating expenses, we have roads and sidewalks, which qualify under that category.

Mr. Kwoka commented that if he understood correctly, the City is already receiving a share of this money from the County. He questioned how that money is presently being allocated.

Mr. Orshefsky replied yes, and it is an Interlocal Agreement with the County. Mr. Orshefsky did not know the answer as to how the money is being allocated. He added a bullet that says, "Local Option Gas Tax Revenues".

Mr. Verma also mentioned a Dredging Master Plan.

Mr. Orshefsky stated it is the second bullet on Page 4. Special Assessments have come up with respect to canal dredging, which is the perfect situation for special assessments because the benefits are localized and discreet. There was a political hassle when they went to the marine industry as he understood. That does not mean it cannot be revisited. If it is not canal dredging it can be some other use of a special assessment mechanism, including seawalls.

Mr. Kwoka was interested to find out if the City was actually looking at new ways of funding.

Chair Mammano referenced Page 2 of 17 in the Interim Draft Report ("Report"), underneath the first recommendation, there is a paragraph that says, "If the Commission agrees with this recommendation the Infrastructure Task Force Committee ("ITFC") recommends that the Commission replace the loss of these funds with either ad valorem tax revenues or reductions in general revenues".

Mr. Orshefsky indicated that is a budgetary necessity.

Motion by Mr. Ostrau, seconded by Mr. 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.

In a voice vote, the motion carried unanimously.

Mr. Kwoka clarified that timely means in time to get on the agenda for the July 10, 2018 meeting.

Mr. Orshefsky advised that he would publish the document, turn it into a Word document and transmit it to Mr. Verma.

Mr. Verma indicated that he would make sure it is transmitted. Mr. Berg is aware of the sentiments of the Committee. The Report will be copied to the Assistant City Manager as well.

Chair Mammano expressed appreciation of the Committee for all the work Mr. Orshefsky did.

Mr. Ostrau agreed. The only thing that bothered him was the Report was all fiscal; this Report could have been done by the Budget Advisory Board. He wished there were some things of a physical nature that could have been added.

Chair Mammano questioned what Mr. Ostrau meant when he said physical.

Mr. Ostrau meant something about the sewer.

Chair Mammano questioned if it was something like advancing the Inflow/Infiltration (“I/I”) projects.

Mr. Orshefsky advised that is when we end up with a final report.

Mr. Kwoka stated that the change in fiscal things should allow for the movement in the right direction for the physical changes. He did not believe there should be an “interim” and a “final”; he thought there should be another interim report.

Mr. Walters questioned how a Commissioner is going to be secured to walk this on.

Chair Mammano believed all of the members should contact the Commissioners who appointed them and tell them this is coming.

Mr. Stresau believed that it is vital that these recommendations get to the Commission. The importance of these recommendations needs to be impressed on the City Manager to get this in the Commission’s agenda package.

Mr. Kwoka commented that we are going to take precedent; they are the ones that interrupted our meeting last, after the Workshop, and said that it was important that the Committee understand the importance of their positions.

Mr. Orshefsky noted that word was received barely 60 days ago.

B. Breakdown of the \$200 Million Bond Monies

Chair Mammano advised that this was the information request.

Mr. Verma stated that Mr. Kwoka asked that everything be zeroed out so he has taken the Resolution that was passed in April and included an attachment. He inserted the data in the last column.

Mr. Orshefsky requested that these handouts be attached to the record of this meeting and then transmitted to the Committee in PDF format that would make it easier to maintain records.

Mr. Kwoka still had a problem with this. He appreciated that the balance sheet was run down to zero but two-thirds of the way down, Project 495-P, the 30-inch force main, is still listed as \$8.5 million.

Mr. Stresau stated it was \$50 million.

Mr. Kwoka commented that tells him that this is at zero or negative.

Mr. Stresau noted that Mr. Berg took the position that \$8 million is what was taken from the Bond Funds, \$30 million was spent moving things around, and another \$1.5 million for clean-up was coming out of some other budget, it was not assigned to the force main break.

Mr. Kwoka mentioned the second piece of paper that says \$15 million.

Mr. Orshefsky stated that the other \$7 million came out of the General Revenue Fund.

Mr. Verma mentioned that the total approximate cost was \$15,760,000; the \$8.5 million is what was allocated to the Bond.

Mr. Orshefsky advised that he keeps harping on the CIP overlap because there is an overlap between the Bond Funds on one side and the General Revenue Funds or the CIP on the other. The Bond dollars, which is the \$97 million that was in the original pie chart was used to fund CIP projects; some of those projects already had money attached. Those are the lost CIP funds. The question is where are those funds and how many projects were there.

Mr. Kwoka asked Mr. Orshefsky his position on this.

Mr. Orshefsky indicated the total amounts of the force break were almost \$16 million, \$7.2 million came out of the Water and Sewer Fund, the reserves in that Fund, and \$8.5 million was allocated to the Bonds, which gets you to the \$15 million.

Mr. Kwoka commented that this is the type of supporting documentation that has been missing.

Mr. Orshefsky mentioned the CIP overlap and noted that based on the minutes at the last meeting, Chris Lagerbloom said there was a huge spreadsheet somewhere that was not immediately available and the question is if it is now available and can it be reduced into a manageable size.

Mr. Verma replied he believed so.

Chair Mammano commented that the concern is always with the Bond Funds and capital budget substitution. She questioned if Mr. Orshefsky was comfortable that there was no capital budget substitution out of this.

Mr. Orshefsky responded no, which is why he keeps chasing the question. He would like to know what the dollar values are.

Chair Mammano believed this was very important because the Committee made this a point many meetings ago and the City Manager said there was no capital budget substitution and that still has not been confirmed.

Mr. Verma stated that for example, projects have been identified for five years and they were to be funded by regular Water and Sewer funds, whatever the allocation for the capital projects were. Now, there is the infusion of the bond funding and you are trying to figure out which got rebalanced and where that money is. The bond monies are replacing some of the five-year projects. The CIP money goes back into the capital part and is rebalanced; the monies are not going anywhere. Part of it would have to be appropriated to pay the debt service as well.

Mr. Walters commented that the capital went with generated funds.

Mr. Verma confirmed. Therefore, there is rebalancing of many of those CIP projects that were probably out several years or there might be newer projects outside the realm of five years so it is a balancing act of reprioritizing and rebalancing the capital projects, plus taking into consideration that they still also have to pay the debt service.

Chair Mammano questioned if the rebalancing is done through a computer algorithm or does someone say this project move here and there.

Mr. Verma responded that there is no algorithm. City staff has to reconcile with the budget office. It becomes difficult because there are projects that are needed beyond five years, but the focus is always five years.

Mr. Orshefsky understood about out years but his concern was the accumulated unspent funds in the first year. Those two were allocated. For example, the pump stations in Victoria Park or Rio Vista were already in the pipeline and there were dollars allocated to those. To the extent that dollars have now been allocated for those previously allocated or funded dollars, those dollars are now free to be spent someplace else. He questioned the total amount of those dollars and where they were spent. He also questioned when there could be a handle on that.

Mr. Verma understood the question but he could not give an exact answer. Mr. Verma did not know when there would be a handle on it but believed it would be as soon as the budget is over.

Mr. Orshefsky commented that the budget is not over until September 30, 2018.

Dr. Gassman indicated that the current push in the budget process is that the City has to turn in their expected increase in ad valorem by July 6, 2018. Right now, the big push is to finalize this version of the budget so the City can notify the County so the County can put out the TRIM Notice for the maximum potential amount of taxes. In many ways, the main push of the budget is over this week and then next Tuesday, when the Commission gets to view the first preliminary aspects of that budget. That does not mean the work is done, but the magnitude of the numbers is shifting dramatically into the minutia at this point as the budget process moves forward. Major decisions have

been made in theory pending any additional guidance provided by the Commission. That can be significant but in years past it has been small.

Mr. Ostrau questioned what maximum millage rate was put in.

Dr. Gassman understood that the millage rate has not changed; zero was put in. Recognizing that prior to making some of those decisions, the information from the Property Appraiser is what their estimate for what the amount of property taxes would be and the amount we are collecting is increasing.

Chair Mammano advised that when she was listening to the presentation by the Property Appraiser, he said \$75 million but what he meant was that the \$75 million of increased valuation, which only results in \$10 million of increased revenue.

Mr. Walters commented that when the budget process began it was prior to getting the \$200 million from Wall Street.

Dr. Gassman stated that was not true; \$100 million came in during the February timeframe and the City was aware that it was coming. It overlaps with the CIP process.

Mr. Orshefsky mentioned this set of issues with respect to the potentially substituted CIP dollars, this set of issues has been outstanding for six months and the problem is that it never seems to rise to the top of the pile.

Dr. Gassman started going through the CIP and developing a list of projects that were previously funded. The number of projects that were previously funded was in the 10 to 12 range, it was not a large number compared to the number of projects there are within the Consent Order. As previously discussed, the way the amount of money in the CIP for water and sewer is determined is to figure out how much is needed for operating and whatever is left goes into CIP. If there is a sense that there has been money supplanted, that is not the case. Whatever money that is left over is still being pushed into CIP and to those projects that are not currently covered in the Consent Order. For the ones that got moved from CIP funding into Consent, that money was reallocated and the question is how much that was. They understand the question. The work has been done but they have not gotten to the end point; they are working in that direction.

Chair Mammano commented that the Committee wants to be comfortable that there really is enough money. With the additional of \$200 million we were able to advance and repay some things but she questioned if significant progress was being made.

Dr. Gassman stated the answer in two parts; there is never enough money and money cannot be thrown at a problem. Only a certain amount of money can be spent in any given year.

Mr. Kwoka ~~mentioned~~ **questioned** that it is not that there is never enough money; there are always too many projects.

Dr. Gassman believed in some ways that was true. The other question was if progress was being made. There is a 30-inch line in the ground, there is now redundancy; the City is definitely making progress. The Go Big Go Fast newsletter goes out once a week and it lists all the projects updating their progress, on a weekly basis. The Commission receives a memo that is similar.

Mr. Zeltman questioned if that was the priority projects memo.

Dr. Gassman clarified that it is the priority projects memo once a week.

Mr. Walters mentioned the new email system and he hasn't seen it in two weeks.

Mr. Kwoka commented that the City has done a very good job distributing the information in a format that is understandable by the general population.

Mr. Zeltman expressed concern on the continued ~~demise~~ demise of the wastewater ~~systems, is the~~ collection systems. He questioned what percentage has been addressed to fixing, replacing **or** repairing the collection mains.

Dr. Gassman believed that the focus was that the Consent Order has allowed them to carefully prioritize the areas that need the greatest amount of attention and those will be accomplished within the Bond timeframe because they have to be done. The focus should be that they are prioritizing the areas of the infrastructure they feel need the greatest attention. I/I is one of the highest priorities.

Mr. Zeltman commented that the problem is that the system is being eroded away caused by the **sand in the** collection system. Force mains are being replaced or rehabbed and as soon as they get going the deterioration starts all over again, shortening the service life of the new systems installed. From his perspective, if something is not done in an aggressive manner on the collection system in the sewer mains, it is going to deteriorate at a higher rate than it should.

Chair Mammano believed that Mr. Verma provided a map about four meetings ago; a blue map and a red map. The red was the types that were replacements of lines and the blue was the ones that continued to be replaced. Progress is being made.

Dr. Gassman indicated that the City is undergoing the development of an Asset Management Program so if there are basins where deterioration is more rapid than in other basins, it will help address that, if only to replace that infrastructure at a higher frequency than it is currently being used. The Asset Management Program will provide some of that guidance so there will have a better sense of a condition of pipe today and a better sense of replacement needs.

Mr. Orshefsky questioned the outstanding amount of I/I contracts. The last time he focused on it there was an outstanding amount of \$15 million worth of I/I contracts that were already let. He questioned if that was the right scale. In direct answer to Chair Mammano's question, that should help get to an answer of where we stand on the \$15 million worth of effort.

Dr. Gassman believed that Mr. Orshefsky was in the ballpark. They had a single vendor working on that and they are now splitting it into four vendors so they can move through it more quickly.

Chair Mammano questioned if the Asset Management Plan was only for stormwater or for sanitary sewer as well.

Dr. Gassman advised that it was for stormwater, wastewater and water.

Mr. Kwoka questioned if that was part of the Consent Order.

Mr. Verma replied "yes."

Chair Mammano commented that to her, that was the most important part of the Consent Order; it is forcing the City to actually do a survey to find out what we have and the condition of what we have.

Mr. Kwoka believed that survey was not the right word because they are evaluating and also planning. In the requirement from the Consent Order, the mandate is to survey the condition but also to plan.

Mr. Verma stated that they are surveying, evaluating, and fixing it. There are different groups and within the Engineering Division taking care of four to five contractors. The I/I is a high priority project. Going back to what Mr. Walters said, the Reiss report was finalized in 2016. Prior to that, it did not appear that there was a systematic system in place. Between laws, permitting, construction, and everything that goes on, there are five sheets of all these projects all happening simultaneously. Since 2016, he would say that staff has done a great job in trying to get the handle. The entire I/I system is 50 years old. The Consent Order has helped look at a part of the bigger picture. The City has identified all the basins previously discussed. Each basin has a different percentage; some are 100% done, some are 50% done. The most critical is the A-7 Basin, which is about 20% to 22% done. Before seeing any significant impact, they need to get close to 40% to 60% of the I/I lining completed.

Chair Mammano mentioned that the Reiss report did not have all the information that the City will have once this assessment is finished.

Mr. Verma replied yes. The Reiss report was a planning document. ~~Some~~ Projects in the Reiss report may need to be addressed sooner. Staff has to continually evaluate and balance projects and find funding if the need arises sooner than anticipated.

Chair Mammano addressing Lee Feldman, City Manager "We would like to let you know that pursuant to the Commission's request, this Committee has diligently worked to provide some short-term recommendations to the Commission". Hopefully, it will get in their packet so they will have it over the weekend to review.

Mr. Orshefsky questioned when the agenda closes.

Mr. Feldman replied that the agenda closes on Thursday at 5:00 p.m.

Mr. Walters questioned if they have a person dedicated to do the walk on.

Mr. Feldman stated that it will be put on the agenda as a communication. It may not be discussed at all; they have a Commission agenda that could take a long time. With regard to the ROI and tax increase, the Commission said at the last meeting they had with staff that they were not interested in any tax increase this year.

Mr. Ostrau questioned the rationale for zero ad valorem.

Mr. Feldman advised that from a budget standpoint, the increase in revenue generated from property taxes at the current rate ~~is always~~ ~~has not been~~ enough. There are other items, Workers' Compensation, for example, which is State mandated, which is at \$1.6 million. There is also health insurance for staff. Everything has a price that continues to go up. An issue came up and there was considerable discussion about Return on Investment (ROI) and he told the Commission that the ROI could be moved back to the Water and Sewer Fund; that is a policy decision. The Committee must understand consequences of that action. It is \$20 million to be replaced or the City can reduce services. A list was sent to the Commission of the last \$20 million of ~~unknown~~ ~~added~~ costs when they headed into the budget. A place to start could be to raise property taxes by 7/10th of a mill to make up the difference. There seemed to be some appetite to put the ROI back into the ~~General Fund~~ ~~Water and Sewer Fund~~ but there was not any appetite to reduce services or raise taxes. The water and sewer utility is currently well funded. The City still maintains the lowest rates in the County. There are adequate reserves in the Water and Sewer Fund. The City has floated debt, which cannot be prepaid. Mr. Feldman continues to recommend to the City Commission that improvements in the future be funded with debt when they need to. They have capital and are looking at ways to spend it faster. The ~~problem~~ ~~bottom line~~ is that there is five years' worth of work funded and if \$20 million is moved into the Water and Sewer Fund, that \$20 million for all practical purposes is going to sit there. From a rate standpoint, when the money sits there, there is a five-prong test that says when cash is accumulated rates have to be lowered. They are close to meeting the fifth test even without moving the ROI back into the Water and Sewer Fund. If rates are lowered, that

benefits all customers, which includes people and properties outside of our City. If the tradeoff on lower rates is a higher property tax or a decrease in services, the burden is being shifted from all the users including outside of the City to the property owners in the City. Mr. Feldman thought that stopping the ROI coming from the Water and Sewer Fund with dollars that are going to be spent in the General Fund on facility maintenance and other infrastructure needs such as roads, bridges and canals, city facilities etc. **could be done but not all at once.** He suggested tying the ROI specifically to infrastructure funded through the General Fund. He can probably get to 100% of the ROI generated from the Water and Sewer Fund to **CIP** infrastructure in the General Fund in four years.

Mr. Orshefsky commented that would be a significant increase in the annual contribution from the General Revenue into the Capital Improvement Fund. At that point, the extra jurisdictional customers are indeed subsidizing the infrastructure within the City.

Mr. Zeltman mentioned other adjoining cities or municipalities that are connected with the City's collection mains and questioned if there has been any action notification to these other folks to get on board.

Mr. Feldman stated under the Large User Contracts, there are penalties they will have to pay for certain flows. They are not there yet but he is concerned the penalties and the process need to be renegotiated down the road; those agreements expire in 2021. We have to start looking at specific flows and what is coming into the system. It was noted that Oakland Park has invested a lot of money into I/I. Fixing the I/I for us does not do anything; it needs to be a part of the bigger effort. His plan is to always continue with the ROI and parking, putting that into the General Fund, not necessarily tying it to capital projects. There is nothing in the law that says they have to have a separate parking fund. All that money could be put into the General Revenue Fund today and it could all be revenue. Parking is something they do as a service and to make money. The fact that they make money from people who come into the City, to park is another way of taking extraterritorial dollars, but not necessarily tying those to capital.

Mr. Zeltman commented that the money from parking could probably go into the Enterprise Fund because it is a service being provided.

Chair Mammano questioned the contract for the re-examination of the impact fees.

Mr. Zeltman advised that the consultants from Stantec are doing rates for both the Stormwater and Water and Sewer. Under State Law, impact fees can only be used to fund additional capacity caused by new development; it cannot be used for replacement. He questioned where issues are in terms of capacity and indicated that the size of that pipe needs to be increased for the additional development for the consumption.

Mr. Feldman mentioned that on the water side, it is the size of mains because the plants have more capacity than needed. The sewage side is transmission lines and lift stations. There are limitations on how much a lift station can run and if it has to be upgraded developers have to do that. They have to measure the costs to the system and all the new growth, and then a dollar per unit type of growth is calculated. That number may be less than what is charged. Under State law, they are not allowed to charge something just because; it has to be a localized study and is something that needs to be done every five years.

Mr. Kwoka commented that New Jersey does not use impact fees, when a developer comes in; they build the roads, the infrastructure, the school, the Fire Department. He questioned why that is not done in the City or the State.

Mr. Feldman stated when he was in Palm Bay there was a lot of land and developers were building subdivisions. When building in a subdivision, it must be built out and when it is done it is turned over. He mentioned the American Golf in Wilton Manors and noted that they had to build all that.

Mr. Kwoka indicated that it does occur but it is not practical to do in a dense urban setting.

Mr. Orshefsky stated there is a distinction between on site and off site.

Chair Mammano commented that is not an impact fee issue. She noted that is a development permit issue.

Mr. Feldman advised that it is a development permit issue and an impact fee issue because to the extent if they are building more capacity than what the project needs, the project would be entitled to an impact fee credit.

Mr. Orshefsky questioned if the impact fee structure allows the City to recover some contribution from new development in the Downtown area for the capacity we are already putting in via bond funds or if it will be recaptured as a function of the rates.

Mr. Feldman did not know the answer. When the study is done that will be part of that.

Chair Mammano believed there is a contract with Zonar City to do a buildout analysis and questioned what that is.

Mr. Feldman indicated that Zonar would allow the City to create a 3D version of the City, concentrating on Downtown first. They would be able to impose new projects and see whether they meet the criteria.

Chair Mammano questioned if they would also be able to calculate the number of gallons of sewage generated by those projects.

Mr. Feldman stated it is a mathematical tool. From a plant capacity issue, do not spend a lot of time worrying about GTL for two reasons; one is there is capacity and it will be increased by aggressive I/I. They need to look at lift station capacities, making them larger to handle the flows coming in so they are not running 24 hours. There is a goal not to run the lift stations 24 hours a day. We probably want to be in a ten-hour a day range. To the extent there is a lift station running at 12 hours or more, that is where we want to put our dollars; that is where the real capacity issue comes in in terms of Downtown.

Mr. Zeltman commented if the lift stations are expanded and correct the inflow of the ground water that reduces it down so the performance curve is going to be all over the place unless you have multiple types of pumps.

Mr. Verma stated that they are variable speed pumps.

Chair Mammano questioned if Mr. Feldman could talk about the issue the Commissioners were talking about when the adoption of the new stormwater rate fee was discussed. Two of the Commissioners were going on about how the City had to do the water rate fees because that was inequitable. She questioned how inequitable that was.

Mr. Feldman stated that with regards to Water and Sewer, there can be different rates based upon different classes of customers. There can be a water rate base for residential, for commercial, another rate for industrial, and another rate for bulk. When it gets down to residential, there is always an argument between multi-family and single-family. The idea is that the cost to run the pipe past a property, the fixed cost of the system is different for multi-family because there are more units for the same pipe that is going past the property. In addition, there are different structures of rates based upon the volume of water used, where the more you use the higher you pay as a penalty for not contributing. The multi-family felt that they were paying a higher premium based upon the conservation model because they were penalized for using more water because there were more people and they thought it should be adjusted so it is the same per unit as a single-family, while still enjoying the benefit of having the discount. That is the inequity that exists on the multi-family side. There is a solution but they do not know the costs. He guaranteed that it means some of the cost is being shifted to the single-family customers. At the same time, the opposite is being done on stormwater.

Mr. Orshefsky questioned if that is a factual basis for the conservation issue in the condo situations because they are using community pools and water for HVAC, so they are indeed using more water.

Mr. Feldman advised that it depends on how they have their meter. There are condos that have different meters for cooling towers. Residents are not complaining about water and sewer rates or about property taxes.

Mr. Stresau questioned if there was anything that could be done about sea level rise.

Mr. Kwoka stated there was no time for that discussion.

Chair Mammano asked Mr. Stevens when the Water and Sewer Rate Study would be completed.

Mr. Stevens indicated that they were looking to complete it in September.

Mr. Orshefsky questioned when the last studies were conducted.

Mr. Stevens stated the last studies were about ten years ago.

6. Board Member Comments
A. Discussion of Ad Valorem

This was already discussed.

7. New Business
A. Joint Workshop with City Commission October 10, 2018

Mr. Orshefsky questioned why it was taking so long to get on the City Commission agenda for a Workshop.

Mr. Ostrau questioned if there was another interim, which would be more on the physical side.

Chair Mammano advised that there are two more meetings to discuss additional reporting. She questioned if anyone had anything to speak about.

Mr. Verma stated that he ~~handed~~ **has a handout** for Keith Cobb **showing the cost of the bond issue.**

Mr. Orshefsky requested that it be transmitted.

Mr. Verma told Mr. Kwoka that a file he requested about the 30" force main project was very large and noted that he had it on a flash drive. If he did not need the information, he can clean it up and use it for the next meeting.

Mr. Kwoka indicated that Mr. Verma could clean it up. He did not need the information.

8. Public Comments – None.

9. Adjournment – Next Regular Meeting –August 6, 2018

There being no further business to come before the Committee at this time, the meeting was adjourned at 4:45 p.m.

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

DRAFT
City of Fort Lauderdale
Infrastructure Task Force Committee
August 6, 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:**
 - **Roll Call**

MEMBERS		PRESENT	ABSENT
Marilyn Mammano	P	15	1
Ed Kwoka	P	14	2
Ralph Zeltman	P	16	0
Keith Cobb	A	9	7
Roosevelt Walters	P	15	1
Fred Stresau	A	12	4
Norm Ostrau	P	13	1
David Orshefsky	P	13	0
Jacquelyn Scott	P	1	0

Staff Present

Meredith Shuster, Administrative Assistant
Paul Berg, Public Works Director
Nancy Gassman, Interim Deputy Public Works Director
Joseph (Joe) Kenney, Assistant Public Works Director
Raj Verma, Staff Liaison
Laura Reece, Budget Manager
Vice Mayor Ben Sorensen
Michael Mitchel, Prototype-Inc. recording secretary

2. **Approval of Agenda**

Motion made by Mr. Walters, seconded by Mr. Kwoka, to approve the agenda. In a voice vote, the motion carried unanimously.

3. **Approval of Previous Meeting Minutes**

- A. **July 2, 2018**

- i. **The appointment of Ms. Scott was not finalized until July 10, 2018. Amend the minutes to reflect she was not absent for the July 2nd meeting.**

Mr. Verma made the following corrections, additions, and deletions:

- Page 21, last paragraph, third sentence: Insert the word ***“some projects”***.
- Page 26, approximately in the middle, where it says, “Mr. Verma stated that he handed out something from Keith Cobb”. That needs to be amended to state, ***“Mr. Verma stated that he has a handout for Keith Cobb showing cost of bond issuance”***.

Mr. Orshefsky made the following corrections, additions, and deletions:

- Page 22, this is the discussion about ROI and ad valorem, last full paragraph. Lee Feldman was telling about the basic elements and choices. In the first sentence there is a missed “not”, it is believed that the sentence should read, ***“Mr. Feldman advised from the budget standpoint, that the increase in revenue generated from property taxes at the current rate has “not” been enough”***. The context was the additional \$10 million they were getting from the uptick in the property tax roll, the amount was not enough to cover the expenses. ***There needs to be a “not” or “has and been” at the tail end of that sentence.*** The middle of the paragraph, “A place to start would be to raise the property taxes 7/10ths of a mil to make up the difference, which is the ROI \$20 million. There seems to be some appetite to put the ROI back into the general fund”. It is already in the general fund; the sense is that the reference to the general fund should be ***“water and sewer fund”***.

Mr. Zeltman made the following corrections, additions, and deletions:

- Page 2, “Mr. Zeltman advised that he would like to see the updated presentation in a card form”; card should be ***“hard format”***.
- Down the page it should read, ***“Mr. Zeltman offered his opinion that the study needs to include the different types of zoning and the various densities of zoning so there is not one process for everything”***.

Mr. Kwoka suggesting striking the first “Mr. Zeltman”; it was listed twice at the beginning of the sentence.

Mr. Zeltman continued:

- Page 20, the second Mr. Zeltman down should read, ***“Mr. Zeltman expressed concern on the continued demise of the wastewater systems causing damage to the entire wastewater system, through to the wastewater treatment plant”***.

Mr. Orshefsky mentioned if there is a comma out of place or a sentence doesn’t make sense, the Committee is not in a position to rewrite minutes, they correct mistakes.

Mr. Zeltman suggested checking the tape; he elaborated a little more to condense because these things go on. Basically, it was concerned with the sand in the water and

the collection sewer systems that are continuing to do damage to the entire wastewater system all the way to the wastewater treatment plant.

Mr. Orshefsky, Mr. Kwoka, and Mr. Zeltman suggested checking the tape.

Mr. Zeltman continued:

- The last sentence in the next Mr. Zeltman that starts, “Mr. Zeltman commented that the problem is that the system is being eroded away caused by the collection system”; ***it is caused by the sand in the collection system.*** It should be verified by the tape. He believed that some of the paraphrasing takes out the meaning.

Mr. Kwoka made the following corrections, additions, and deletions:

- Page 2, about half way down the page, the paragraph begins, “Chair Mammano” and the last sentence says, “There was around around”, should be ***“There was a discussion around”.***
- Page 5, the last paragraph, check the tape. He would challenge that Mr. Walters said, “It is not the Committee’s job to agree”; ***it should probably say, “It is not the Committee’s job to agree with the Commission”.***

Mr. Walters stated that it is consistent with what Mr. Kwoka said.

Mr. Kwoka continued:

- Page 12, first sentence, “Mr. Verma indicated that the landscape fees for tree removal were established”; it was believed ***“Fred Stresau”*** made that comment.
- Page 16, third paragraph, please check the tape. “Mr. Walter’s questioned how a Commissioner is going to be secured to walk this on”. That could be correct, but he did not recall it that way.

Mr. Orshefsky advised that was how he recalled it.

Mr. Kwoka continued:

- Page 19, second to last paragraph, “Mr. Kwoka mentioned”; should be ***“Mr. Kwoka questioned”.***
- Page 20, last paragraph, there is an incomplete sentence, “The last time he focused on that there was an outstanding amount, \$15 million worth of I/I contracts that were already let”. Let seems to be abrupt.

Mr. Orshefsky stated that was correct; the contracts are let. The contracts have gone through Procurement and then they are let.

Mr. Kwoka continued:

- Page 23, second paragraph. ***There should be a hyphen between extra and jurisdictional*** because it changes the implied meaning.

Mr. Orshefsky suggested that since some of the tape needs to be checked that the action on these minutes be deferred.

Motion made by Mr. Walters, seconded by Mr. Kwoka, to approve the July 2, 2018 meeting as amended.

Motion made by Mr. Walters, seconded by Mr. Kwoka, to withdraw his motion. In a voice vote, the motion carried unanimously.

Motion made by Mr. Walters, seconded by Mr. Kwoka, to defer the July 2, 2018 minutes. In a voice vote, the motion carried unanimously.

B. Informational items requested by the Committee members

- Handouts distributed at the end of the July 2, 2018 meeting to be attached with the meeting minutes.**
- Master spreadsheet showing five-year water/wastewater projects rebalanced with Bond monies.**

4. General Discussion (Committee Members)

Mr. Walters commented that sometimes it gets a little testy when doing the minutes. Reviewing the minutes is for making corrections to errors that were made by the note-taker. The Committee cannot amend; if it was not said it cannot be put in the minutes later.

Ms. Scott mentioned often times something is said, and everyone understands, but when someone goes back and reads the minutes they do not reflect as that, but what was said was said.

Mr. Zeltman stated that sometimes, in an effort to compress all the minutes, there is paraphrasing trying to get the same meaning contained within same and sometimes it throws things off.

Chair Mammano referenced the City of Fort Lauderdale Transit Oriented Development Study and noted that there is a study on the webpage. The City is going around to various communities making presentations of this study. She found it interesting that the opening sentence of the study says, "The #1 infrastructure priority from the City of Fort Lauderdale is creating a pedestrian friendly City". Chair Mammano has received emails regarding this, as it has not been adopted, it is in the process of being studied.

Mr. Orshefsky clarified that the study is not a written study with a date and an offer; it is collecting information.

Chair Mammano stated that data is being collected and there are meetings with stakeholders. Emails were received from people concerned about infrastructure, inquiring if this Committee had determined that creating a pedestrian friendly City was the #1 priority.

Mr. Kwoka has not seen much mention of the Infrastructure Task Force Committee anywhere recently. There was discussion at the Commission meeting and one of his points was Commissioner Glassman's statement to his constituents was that they tentatively put in an increase in the ad valorem just in case with no reference to this Committee's recommendation to that effect. The question is, "Where do the Committee's recommendations, as were presented last, fit into their grand consideration?"

Chair Mammano believed an email was sent around asking everyone to listen to the Commission meeting of July 10th when they talked about the ad valorem.

Mr. Orshefsky commented that he would forward time syncs to Ms. Shuster, which would move everyone around the 2.5-hour meeting.

Chair Mammano mentioned that the Commission agonized over .7% of a millage rate and the idea of not taking the ROI out of the Water and Sewer Fund. The Commission wanted to do it, but they were reluctant and unsure how to do it. The Commission agreed to raise the millage rate by a part of a percentage point; however, Chair Mammano could not recall the number. Lee Feldman calculated how much the Commission would have to raise the millage rate in order to take \$5 million less out of ROI and only take \$15 million instead of \$20 million. The Committee's suggestion was to take only \$15 million this time and of the \$15 million, \$5 million should go into Line 331, which is capital.

Mr. Orshefsky clarified that it was the other way; leave \$5 million in water and sewer and \$15 million in the 331.

Chair Mammano indicated that if \$15 million was brought over that is a \$5 million hole in the budget that has to get filled. Of the \$15 million brought over, it is not used in the regular budget that has to be targeted for infrastructure; that is a \$20 million hole in the budget.

Mr. Orshefsky stated it was not that simple. There were three votes to consider a tax increase and two votes not to consider the tax increase. The bottom line was the issue about the size of a hole remaining in the general fund, which was \$15 million. To understand the order of magnitude, \$13 million of these dollars were allocated to CIP type projects last year and the CIP contribution has been going up over time. It could

be viewed that the \$15 million was a continuation of that trend in terms of using general fund dollars. Administration will come back now that they have been given direction at the meeting on the 10th to figure out what could be done with taxes or ROI and none of that is set in stone.

Chair Mammano advised that one of the issues was the Mayor said there should be no reason they cannot find \$5 million worth of savings. The City Manager was quite adamant that a penny could not be saved without someone losing somewhere. That was one of the tensions, whether this could be done with reducing the spending or raising the millage rate. Eventually, it was decided to raise the millage rate a little bit to give that cushion and then the Commission instructed the City Manager to tell them where \$5 million would come from. The Commission wanted a line by line where they could find \$5 million of savings and if they could stand the pain of taking the \$5 million in savings then they would not raise the millage rate.

Mr. Orshefsky indicated it was a default. In other words, the Commission was going to give \$5 million worth of room but if a table of cost savings could be shown that equaled the \$5 million and filled the same \$5 million hole in the budget, then taxes would not have to be raised.

Mr. Walters questioned when the other \$15 million would be taken out.

Chair Mammano commented that the concept was \$5 million a year, but there was a discussion and Commissioner McKenzie was not in favor of starting this budget year, he wanted to start next budget year. Eventually, Commissioner McKenzie came around to starting this budget year.

Mr. Walters believed that the Commission should have planned ahead, and it was determined that a .3 or whatever the percentage was for the increase in the millage rate for this \$5 million, what is going to be done for the next \$5 million and the \$5 million after that.

Mr. Orshefsky noted to reduce ROI to zero in four years was the framework the Commission was talking about; however, they wanted to take baby steps first.

Chair Mammano mentioned there was two ways to fight; either raise the millage rate or reduce expenses.

Mr. Walters agreed, but there was no plan beyond this \$5 million. If the Commission is going to agree to eliminate the \$20 million, then they need to have a way to replace it, whether it is a combination or whatever.

Chair Mammano thought that was a correct observation. It was hard enough for the Commission to make this decision. Come September the Committee will see what the resolution is.

Mr. Orshefsky stated that September 6th and September 19th are the two public hearings on the budget.

Ms. Reece confirmed the dates as September 6th and September 12th.

Chair Mammano questioned if Ms. Reece has been instructed or started to try to find the \$5 million worth of potential cuts.

Ms. Reece advised that the Commission provided the Manager with some options, so that was \$5 million or 095.26, and the new millage rate proposed was 4.2648.

Mr. Orshefsky stated that is \$5.1 million plus or minus.

Ms. Reece clarified that .146 was the adjustment in millage. Ms. Reece indicated that the Commission instructed staff to come back with an option as to how they would cut \$5 million and the millage rate was set sufficient, so it would absorb that because it was not known what the cuts would mean.

Mr. Orshefsky stated that was ultimately up to the City Manager who is currently taking the input he is getting from the Budget Department, coming up with a series of recommendations, and will present it to the dais.

Mr. Walters questioned what was proposed for year two.

Ms. Reece advised that the direction received conceptually at the meeting was 25% a year for the next four years or so. If nothing were to change with their property tax base and it was a 100% millage rate increase, that would be a 21.36% millage increase over the next four years or they would have to cut up to the \$24 million.

Mr. Zeltman questioned what the 21.36% amounts to.

Ms. Reece noted that was the rollback rate; they always have to calculate over the rollback rate, which is the amount of revenue brought in the prior year. If the Commission were to increase the millage by .582 it would bring it to 4.7014 and that would bring in the \$20 million. That would be for 100% elimination.

Mr. Orshefsky commented that was 70 basis points. It was noted that 21%, 70 basis points over 410 basis points is the better part of 25%. If that number was run across whatever standard it would run between \$200 and \$300 per year.

Mr. Walters stated that may be sound, but if he had to make a choice whether to pay taxes or buy medicine; he cannot afford another increase.

Ms. Scott questioned if Mr. Walters would balk at 25 cents or 50 cents a day; she thought that was realistic. It is the way it is presented.

Mr. Walters agreed, but it was not for everybody.

Mr. Kwoka advised that taxes do not have to be raised but something must be cut otherwise.

Mr. Ostrau stated that the concern was that the people having the more difficult time paying the tax increase would probably be the ones affected by the cuts.

Mr. Kwoka commented that it has been nine years since there has been an ad valorem change. The City cannot continue into perpetuity without an increase.

Mr. Walters agreed, but not having the increase over the nine or 11 years was bad management on the City's part. Mr. Walters was not disagreeing with what was being said, but for 47 years he has been fighting for the little person that suffers the consequences later. Mr. Walters needed to make sure that whatever was agreed to was the least harmful to those who could not afford the increase.

Mr. Ostrau questioned if this Committee would get an idea before that meeting.

Ms. Reece advised that at the last Budget Advisory Board, Mr. Feldman gave the same overview of what direction the Commission gave. He shared that preliminarily and said that he would recommend the non-essential capital projects be cut. What Mr. Feldman shared with the Commission previously was that the past five years everything was added. So, over the past five years, service and staffing has been added and different levels to address needs. Mr. Feldman said if service levels were reduced, capital would be considered.

Mr. Orshefsky stated that was the only room in the budget; either it is taken out of operating or capital or raise taxes.

Mr. Kwoka commented that the best way to do this was to begin working smart. \$25 million was spent trucking sewage from one side of town to the other.

Chair Mammano mentioned that Committee members could convey to the Commissioners who appointed them individually. There should be some comfort that one of the Committee's major pushes was coming to fruition, baby steps, but moving in the right direction.

Mr. Zeltman mentioned to Ms. Shuster that Committee member parking passes were expiring September 6th and she has already put in the request for new passes. He agreed with Mr. Kwoka as far as thinking smarter and working less in the sense of doing things. As far as the sewer collection main works, part of the equation is starting at the

upstream and working downstream to be more efficient, so the system does not have to be cleaned twice. Different solutions need to be looked at to make sure they are going in the right direction and do not have to double back.

Mr. Orshefsky commented that in reviewing the last two months of minutes there were various outstanding studies. He questioned if the Committee could get one table that shows the water and sewer study, the stormwater study, the upgraded facilities study for Police Headquarters, what it is that will be revisited with landscaping, all in one place. Mr. Orshefsky suggested adding the Transit Oriented Development Study.

Chair Mammano clarified that it is a study...

Mr. Orshefsky indicated that as a sidebar, he would note that the policy tension between pedestrians and automobiles was going to be a major infrastructure issue that this Committee may or may not want to weight into, but let's wait and see what that study is. #1 – Let's try to get a table of all the outstanding studies. It is not just the rate studies, it is the impact fee study, and facility studies, just so there is one place. Mr. Orshefsky questioned if there were outstanding 40-year studies still going on for some of the public facilities. He thought there were; he thought a structural analysis was being conducted on those that had issues.

Mr. Verma advised that the decision was made that they were not going to have the study presentation.

Mr. Orshefsky stated that he wanted a cheat sheet to know when things are coming down the pipe, so they could be placed on the agenda. #2 – Try to get ahead of the October meeting of the Infrastructure Task Force Committee and put the interplay between the CIP and the bond funding so it can be discussed. If it cannot be done between September 1 and the October meeting, then put it on the November meeting. At the last meeting, the Police Headquarters was mentioned and what was heard from the City Administration was that they were updating space needs and a cost study for that facility. Mr. Orshefsky questioned when that would be available, when it could be put on the agenda and questioned if the Committee wanted to put it on the agenda. The Committee is ultimately going to need to be able to pull all this back together and go through each of the various studies. Water and sewer came up significantly last time in terms of how to get the equity between the stormwater on one side and the water and sewer on the other. When those studies are available, let's discuss them and make sure it is consistent with what the Committee wants to do.

Chair Mammano questioned what Mr. Orshefsky meant by the bond CIP.

Mr. Orshefsky explained that the Committee has been trying to trace potentially substituted CIP dollars. At the last meeting, he was asked directly if he was comfortable that there was a real handle on that and he is not. That was #1 and #2. #3 – Under business this Committee needs to start defining the content and scope of what the final

report should be. An interim decision needs to be made about the Interim report and shortly thereafter, the Committee needs to figure out how the final report should look, what content, Police Headquarters or not, transportation, sidewalks. The Committee needs to determine where it is they want the final report to go and what its scope is.

Mr. Verma mentioned the table of studies and noted that different studies could be compiled so there is a composite picture, then various presentations would be scheduled so each could be placed on a chart for the next course of action. Mr. Verma questioned if that was going to be before the final report.

Mr. Orshefsky believed it would be concurrent. The Committee cannot come to a recommendation on the Police Headquarters until the updated study and cost of the Police Headquarters is provided.

Mr. Zeltman recalled seeing that there was a \$4.1 million to put the facility together.

Mr. Verma believed Mr. Zeltman was talking about a request that was made by the department as far as what type of repairs could be made in the interim short of major replacement of the building. It was close to \$2 million and that discussion took place about three months ago. Mr. Verma was not sure what facilities that covered because numerous facilities required repairs.

Chair Mammano welcomed Vice Mayor Sorenson. She mentioned that the Committee just discussed the July 10th meeting and the struggles while trying to figure out how to deal with the ROI.

Vice Mayor Sorenson thought there was a lot of interest in phasing out the ROI. Where the resulting revenue comes from was going to be one of the discussion points. The possibility was left open for raising the ad valorem; there was also some interest in not raising the ad valorem and making the corresponding cuts. The final takeaway for him was as a percentage continues to be transferred to the general fund to have that earmarked for capital improvement as they phase out over the four years.

Mr. Walters questioned whether the Commission was leaning one way or another between cutting, spending, or raising ad valorem. He assumed it was going into capital improvement projects that have already been approved and if it has already been approved, it should also be financed. That finance is taking it away from the general budget that was it was going to capital and he questioned what would be done with that money.

Vice Mayor Sorenson noted that was correct. The City Manager was asked to come back with an ad valorem increase needed to compensate phasing out to cover the remaining ROI. Alternatively, if the Commission did not want to increase ad valorem, cuts were suggested to compensate. Vice Mayor Sorenson was hoping to see both of those and is open to a third version of hybrid, some cuts and some increase. It was

believed that there are some on the Commission that are interested in zero increase in ad valorem, thus the cuts option being appealing, and others that are more open to some degree.

Mr. Walters commented that the City was in this jam because ad valorem taxes have not been raised in all the years they should have been.

Vice Mayor Sorenson stated when he was knocking on thousands of doors campaigning, a lot of people told him they were willing to increase what they were paying in ad valorem in return for a higher functioning updated infrastructure

Chair Mammano mentioned one suggested cut was further cuts in the infrastructure program within the capital budget. Service cuts may have to be weighed versus capital cuts very carefully.

Vice Mayor Sorenson agreed. With regard to infrastructure projects that are earmarked and already funded, if they are not yet earmarked that opens up a different possibility. From Vice Mayor Sorenson's standpoint, he was not interested in shortchanging the City's infrastructure in any way and thought that some tough decisions would have to be made. Vice Mayor Sorenson is willing to consider the cuts or the ad valorem rates.

Mr. Zeltman commented that as a civil engineer, the major concern he saw was the sanitary sewer gravity mains; it is a continuous problem. To him, that was the most important infrastructure that needs to be fixed as quickly as possible.

Chair Mammano mentioned that this Committee was asked to express priorities, funding and other things. From listening to this discussion, if the I/I project is not the #1 priority of this Public Works Department, it certainly should be. She questioned if the Committee could say definitively that those projects are being looked at as the highest priority projects.

Mr. Orshefsky stated there is \$15 million worth of I/I projects currently under contract.

Chair Mammano referenced the number of contractors and questioned if everything possible was being done to advance the problem.

Mr. Verma stated that the City has contracts with five contractors and they are spread out to all the critical bases that have problems. That is one of the top priorities because the Manager has expressed that he has termed it as a low-hanging fruit and that is the one they are going to provide as the best return to improve the capacity and issues. Staff is very aware and are working on it. Mr. Verma believed staff was working diligently and it was not just one person; there are multiple project managers, and everyone realizes this is one of the areas that is going to get the maximum benefits for the monies put in.

Ms. Scott questioned why contractors only work eight or ten-hour days and if there was any way shifts could be done at night. She mentioned a new lift station on 8th Avenue a couple of blocks off Las Olas Boulevard.

Mr. Berg advised that work cannot be done on Broward Boulevard during the day; it must be done at night. Many are I/I projects and the work currently going on is at night from 11:00 p.m. until early in the morning because traffic considerations will not allow them to block traffic during that time of day. A lot of exceptions in the projects are made to do after-hour work. Cypress Creek, for example, last spring there were some failures with manholes, which was about a \$2 million project, and all of that will be done at night because there is so much traffic. The road must be open by 6:00 a.m.; which is a restriction, but it is the only choice they have.

Mr. Verma commented that there is an advantage, but the contractors have to balance with the noise ordinance, the inconvenience, the traffic, etc. Work can be done in shifts; however, it is a policy decision.

Mr. Berg mentioned the \$15 million contract for I/I, which needs replacing as well as additional monies put into it out of CIP and bond issue by this time in 2020. In two years, a little over \$30 million I/I work will have been completed, which was started last spring.

Chair Mammano questioned what percentage of the system that represents.

Mr. Berg stated that it represents the high percentage of the areas where they have the largest inflow and infiltration.

Ms. Scott questioned the reason why there is an Ordinance that does not allow companies to work shifts to get something done sooner, such as night and day shifts.

Chair Mammano recently saw an ordinance change addressing that issue, allowing the City to waive.

Mr. Verma advised that the way the work is being done with the I/I, staff has identified the worst affected basins, which is the priority and a part of the Consent Order. Once the most affected basins are lined, there will be substantial improvement in performance. There are other basins that are not as bad, so they are not priority. The I/I work is being prioritized on both the Consent Order requirements and outside of the Consent Order based on staff's assessment of what is necessary to make substantial improvement in the performance. Mr. Verma said these projects take time to identify, design and execute. Mr. Verma believed staff has done a great job in making sure the worst basins are being addressed, which will give the maximum result.

Mr. Zeltman questioned if there was any way the City could get a list of contractors concentrating on the lining of the damaged sewer mains.

Mr. Kwoka questioned if Mr. Zeltman was asking Mr. Verma to provide a list of those contractors.

Mr. Zeltman replied that, "He was asking the methodology". Instead of going out for individual bids on each project, perhaps staff could establish certain contractors that are qualified; they would have to equipment as well as knowledge and experience in lining pipes. If there were a list, it could be utilized opposed to taking time to go out for bids.

Mr. Kwoka questioned if Mr. Zeltman was asking if staff had a list of pre-qualified vendors or if he was asking staff to demonstrate a list to this Committee of pre-qualified vendors.

Mr. Zeltman believed some of the problem was because since the 1990's, the City had contractors who specialized in lining pipes. If staff would get some of those people so they have the bondage and insurance, they could be on call and pulled in to do certain projects, compressing time because they would not have to go for public bidding.

Mr. Berg advised that the City has about half of that contract committed through individual projects, but the remaining I/I work has been bundled in one contract with the consultant, who would be responsible for the remaining \$23 million worth of work. More and more bundling will be done with similar projects instead of doing them one project at a time.

Mr. Kwoka wanted a summary because this topic continues to come up. He questioned if the City was doing as much as they could possibly do with the funds and resources available at this time to resolve I/I.

Mr. Berg replied, "Absolutely".

Mr. Walters wanted to make sure whatever was being bundled that the bundle goes for what they are bidding on, not just a small portion and then adding and adding.

Mr. Berg stated that they cannot do more than a 10% change order on any contract. Grouping a lot of projects together is a competitive process for one bid.

Mr. Kwoka commented that this Committee is 15 meetings into 36 meetings; at the 50% point. A lot more needs to get done in the other 50%, so discussion of some of these topics need to be closed. It was suggested to check ROI and I/I and move on, pending what happens with the Commission and the ROI. Mr. Kwoka questioned if the final report should be delivered at the 36-meeting point or sooner because if it is delivered sooner, a final report indicates that everything is done, or will another interim report be generated when closing on the finale.

Mr. Orshefsky did not have a perceived approach, if another interim report was required on discreet issues like parks or Police, a thin piece could be done. In terms of the final report, Mr. Orshefsky thought it would be one or two meetings before the last meeting, leaving at least some time for the Commission to come back so the loose ends could be tied up.

Mr. Kwoka's interpretation was that there should be additional interim reports to address some of the other issues. In order to get there, some things need to be brought to a closure, but in parallel, the Committee should be working towards a final report.

Mr. Verma read the seven priorities stated by Chris Lagerbloom from the May minutes.

Mr. Kwoka indicated that four recommendations were made in the draft report. During the next Workshop, the findings should be presented from the four items in the interim report and there should be limited disclosure that the Committee would get to the other items for the next Workshop. There is no time to do the diligence necessary to address the other three items that are part of the seven items, especially in the scope of sea level rise.

Mr. Orshefsky advised that all seven items were in this interim report; however, they are not fully flushed out in terms of funding. Stormwater is a high priority but staff has not gaveled the study that funds the improvement, which is part of the difficulty. The Police Headquarters is a high priority, but again, there was no delivered funding source. It was believed that once this gets cleared up that it be given to the Commission as soon as possible, and then subsequent to that, the Committee could deal with priority and actual detail about funding issues. There are a couple of minor changes Mr. Orshefsky has started going over with Mr. Verma and a few things need to be fixed, but other than that, it is ready to go.

Mr. Verma stated that once he and Mr. Orshefsky review the draft report, it will be brought back for the Committee's review. Chair Mammano and by consensus of the Board decided that the report can go directly to the Commission.

Motion made by Mr. Kwoka, seconded by Mr. Walters, to finalize the draft to a final form for presentation to the Commission and that was delegated to David Orshefsky. In a voice vote, the motion carried unanimously.

5. Old Business

A. Prioritizing the Seven issues requested by the Commission

B. Discussion of transmittals by Mr. Kwoka and Mr. Zeltman in the context of Items A & C

C. Finalizing the report to the Commission

Mr. Kwoka did not think it was required to speak of the seven issues given the previous discussion. It was believed that the ROI conversation be discontinued since the discussion was just completed on finalizing the report to the Commission. With the Board's approval, Mr. Kwoka thought they could forego the three topic items.

Mr. Zeltman mentioned the submittal he added. Originally, there was discussion about the service life of the lining; the rehabilitation. Back in the 90's, it was questionable, but that was 20 years ago. The main thing is that now the materials and the methodology is better, and they can now have 30 to 50-year service life. There are trenchless methods that offer that. Before, there was some confusion about three to five years.

Chair Mammano assumed the City was using the most advanced technology to get the biggest, longest possible service life.

Mr. Verma replied, "Yes". City staff went to a conference to make sure that whatever methodologies they are using are consistent with the newest trend with the longest lifespan. He, personally, has been in touch with people who have been using this methodology for over 20 to 25 years. Mr. Verma noted that the decision of staff and the professionals should be trusted.

Mr. Orshefsky indicated that staff is professional, so let's presume they know what they are doing. If a specific issue comes up that needs to be revisited, then fine. In terms of 30,000 feet, there has not been discussion about prioritization and he has always stepped back because it is a tricky topic. It is either priority in terms of health, safety, and welfare, such as broken sewers and broken water. The other piece is funding priority. Mr. Orshefsky thought it would be useful, subject to the consensus of the Committee, to start discussing how to bring both together to bear in decisions about how to fund what and in what order. It was suggested to go forth and do mostly water, sewer and sidewalks before asking voters for Police Headquarters. Parks has \$115 million to \$150 million in their Master Plan for the next 20 years. Mr. Orshefsky questioned if Parks should be funded and if it is a high priority. There have been discussions about cultural resources, whether it is War Memorial or other places. People can have substantive differences about whether that is high priority, but it is in the Public Facilities piece that the Commission took off the table in the 90-day fire drill. It was believed that priority should be put back. Police, Fire, Parks; all those things that otherwise come under the facilities heading, have not been talked about because there was so much discussion relating to water and sewer.

Mr. Kwoka agreed and thought this report should be finalized, and then, the Committee could circle back and re-prioritize. '

Mr. Orshefsky stated that the next meeting is the Commission's first public hearing on the budget.

Mr. Kwoka believed by then, this Committee should have a sense of what the Commission is going to do with finances. Perhaps at the next meeting, one of the sole priorities could be the discussion of the Committee's priorities.

Mr. Orshefsky suggested a 20,000 or 30,000-foot outline.

Mr. Kwoka would almost go as far as to say either limit or remove General Discussion and keep it very focused at the next meeting.

Mr. Ostrau commented that by September 6th there would be backup to look at.

Mr. Orshefsky stated there would be a presentation to the Budget Advisory Board on August 15th, which would be public backup as well and a peak as to where the City Administration is going.

D. Revisit Communication to the Commission regarding Committee Members' Term

Chair Mammano indicated that the Commission got to the Communication at the end. It was believed that the Commission misunderstood what it was all about. Chair Mammano thought the Commission thought the Committee was agreeing about losing Leo Hansen, but it was not about Leo, it was about the Committee going forward and the continuity and how this was a unique group. Chair Mammano was not able to get that across to the Commission with the time that was available. It might behoove this Committee to revisit this issue.

Mr. Orshefsky did not believe the Commission was confused and he recommended that this Committee not try to fight uphill again unless the issue comes up. Mr. Orshefsky was not sure that the Committee should further burden the Commission's calendar with this kind of an issue.

Mr. Ostrau questioned if the Commission accepted the Attorney's interpretation of the Resolution.

Mr. Orshefsky replied that, "The Commission did not go that far".

Ms. Scott mentioned that the simple solution would be to talk to our Commissioners and explain that position, so it would not happen again.

Mr. Kwoka agreed with Mr. Orshefsky and suggested it be left alone.

Chair Mammano advised that some of the Committee members were appointed by individual persons and the distinction is those who are here based on their affiliation with an organization. If that affiliation changes, they are out. It is not a question of talking to an individual.

Ms. Scott commented that she was not appointed by an individual, she was appointed by Planning and Zoning.

6. Committee Member Comments

Chair Mammano mentioned the City's website and email addresses.

Mr. Orshefsky has not figured it out.

Mr. Kwoka advised not to integrate it with regular email. It was suggested that Mr. Orshefsky put it in his calendar to check it periodically and go to the web interface.

Chair Mammano mentioned an easier way; go to the City's system to the forwarding address and put that in your regular email.

Ms. Shuster indicated that as of July 30th, the IT system has worked out the emails for all the Boards. At this juncture, IT has tried to fix all the individual things that came up. If there are any further problems let her know and she will contact the IT Help Desk, so they can address specific issues.

Mr. Orshefsky commented that potentially two of the same emails could be received.

Ms. Shuster stated that she was sending emails to both addresses; however, from this day forward, she will send it just to the City email.

7. New Business

A. Joint Workshop with City Commission October 10, 2018

Mr. Orshefsky mentioned that there was previous discussion about trying to get with the Commission before the final gavel on the budget, but it does not sound like that is going to happen.

Mr. Verma indicated that staff tried their very best and this was the earliest date they could get.

Mr. Kwoka commented that it might be a good thing because at the Workshop the Committee will have a sense of what the Commission is and is not going to do and that will allow us to bring closure to those items and plan a process moving forward.

Mr. Orshefsky suggested adding more to the 20,000-foot outline that has to be put together.

Chair Mammano questioned if there should be discussion about the Joint Workshop in October.

Mr. Kwoka replied, "No, not until there is a sense of what the Commission is doing". The first half of this act is closing, and the second half of the act is being planned.

Chair Mammano questioned if there was a consensus on what the next meeting was going to be about.

Mr. Kwoka questioned if there was an agreement on the date.

Chair Mammano advised that the date of the next meeting is September 6th. At that meeting, there will be discussion about priorities and things that have not been discussed such as roads, sidewalks, and water.

Mr. Kwoka indicated that there should not be any presentations, maybe general discussion, that way any old business can be closed out quickly. It should be a focus on what we are going to be looking for at the Commission Workshop and where priorities should lie. We have made a response to the ROI discussion; that's a done deal.

Chair Mammano agreed and questioned if everyone felt that the Consent Order was over as well.

Mr. Orshefsky did not think there was anything the Committee could do or recommend any further.

Mr. Kwoka agreed. He would like to be more informed but did not know if that would be of any guidance at this point.

Chair Mammano believed that this confirmed the concern the Committee was having about capital budget substitution with the bond funds. The City is using bond fund money.

Mr. Orshefsky questioned when this document was created. He also requested that footers be put with a date, an author, and a source.

Chair Mammano commented that the City was not getting \$200 million worth of projects out of the recently \$200 million bonded. A certain amount of money was being spent to replace capital dollars, to advance additional or not advance factual projects that would have been spent out of capital CIP money anyway.

Mr. Verma stated there are Consent Order projects and remaining projects, which are compared to what was on the CIP projects and based on the needs to make sure they are doing in conjunction whatever is mandatory, there being some rebalancing of those projects, so they were out there and not being moved closer, so the total becomes \$200 million, which are illegible.

Chair Mammano commented that in the coming years, the CIP money this Committee looked at to spend on projects would be available for other projects.

Mr. Ostrau mentioned the seawalls and noted that his daughter's condominium was cited for a seawall violation. Mr. Ostrau indicated that flooding has occurred; however, the adjacent property is City owned. His daughter is being required by Code Enforcement to raise their seawalls and upon a request to the Magistrate for more time since the City has not done theirs, the request was denied. It is problematic when Code Enforcement is not looking at the total concept of what is happening with seawalls. Mr. Ostrau did not believe this should be a Code Enforcement issue.

Mr. Kwoka commented that it is a big problem; Code Enforcement had to have a trigger.

Mr. Orshefsky thought the triggers under the Ordinance were either failure to maintain or the owner pull a permit to modify their seawall.

Mr. Kwoka believed it was 50% repair or replace.

Chair Mammano questioned what the trigger is for a violation of a seawall.

Dr. Gassman explained that there are two provisions within the seawall Ordinance that are potentially citable. The first is a seawall in disrepair; regardless of the elevation of the seawall, a homeowner can be cited. The second is if the owner is allowing tidal flows to move across their property into either the public right-of-way or into the adjacent property.

Mr. Kwoka questioned an instance where an adjacent privately-owned seawall was deteriorating yet it was not encroached upon either side of the property

Dr. Gassman stated if there are Properties A, B, and C and Property B has a large crack in the seawall and materials are moving through the seawall, then that property can be cited to repair. Homeowners may not have to elevate the seawall, but repairs have to be made. It depends if the significant threshold was triggered.

Mr. Ostrau mentioned if this were a second trigger or flooding. and the adjacent property was City-owned, but they were not doing their repairs, how would this resolve. Mr. Ostrau also questioned how it is determined exactly where the flooding is coming from.

Dr. Gassman stated that the Code Enforcement Officers have been trained to verify that the waters are coming across a specific property. There may be a situation where there is a City property and a private property, and the Code Enforcement Officers can see that the water is coming across the private property, but they can also see that the water is coming across the City property; theoretically, both are cited.

Chair Mammano understood Mr. Ostrau's concern that he has to spend the money and the City has to spend the money; however, the City has not yet found the money to make the repairs.

Dr. Gassman advised that the City has prioritized the seawalls and there is funding that is being both developed and secured in place to address those most needed repairs on those seawalls. In addition, when looking at the CIP, there is a large lump sum of money coming up in Fiscal 20 that is going to be dedicated to seawalls. The Seawall Master Plan will be used to determine which of the seawalls need to be raised next.

Mr. Kwoka questioned if the City has considered or produced an overall heat map of where flooding is anticipated and if the seawall rise necessities will occur first and or later over time.

Dr. Gassman indicated that it is not specifically a heat map, but because they flew a high- resolution LiDAR, which gives very precise elevation data, there is data in-house to know where problematic locations are. In addition, that high resolution LiDar was used in all the stormwater master planning. There are several very easy to use tools available to the public to get a general idea of which properties are more vulnerable, but there is nothing that makes it easy to know the seawall height.

Mr. Ostrau raised the issue because he believed there must be a better way than citing for Code Enforcement, going in front of a Magistrate and accruing potential fines until the violation is corrected. This is a major issue.

Dr. Gassman explained when the Ordinance was originally proposed, the mandate was to require everyone to raise their seawalls by the year 2025. The public was not accepting of that proposal because there were those that felt they were being impacted immediately and there were those that were not being impacted because they were not seeing any flooding in their neighborhood. The second part of that was recognizing that it takes time to arrange for funding, get a permit, and get a contractor on board. The original proposal was 180 days and through the public feedback, that was changed from a full year from the date someone is cited. The only way one comes before the Magistrate is if in the first 60 days adequate progress was not made toward resolving the cited issue.

Mr. Kwoka commented that recently someone told him about a program called PACE where people can do substantial improvements. He thought it also applied to things like hurricane windows and roofs and questioned if a project like this would ever be considered. Mr. Kwoka also questioned if someone could take a seawall that might have a 50-year lifecycle and tie it to a PACE program that is perhaps transferrable and tied into a tax bill that allows residents to get public funds that are paid back in an interest way. This may be a solution to a larger problem that is transferrable over owners.

Dr. Gassman stated that the program guidelines are described in Florida Statute and currently, they allow for energy efficiency and wind mitigation, but they do not allow flood mitigation. There are many PACE providers and the City has used four different providers. One of those providers has interpreted the PACE Legislation to potentially allow for the building of seawalls under their PACE program, under the wind mitigation portion. They are saying if the wind blows hard enough in a certain situation that a seawall may be considered as mitigation. They are the only PACE provider in the State that is potentially considering this; however, they have not yet issued a PACE assessment for seawalls. It is being considered by several groups in Tallahassee to consider changing the Statute. One of the issues with PACE related mitigation activities is that over the course of the assessment, that improvement will pay for itself with some sort of savings. Under that savings is insurance related, energy related, water conservation related, flood mitigation and hurricane cost related. There is some aspect of whatever that improvement is that, in theory, should reduce costs on their utility bill or insurance bill that would help defray the cost of the improvement. The challenge for most people is the upfront cost. If someone raises their seawall they do not quite have that same level of payback because most insurance companies currently are not recognizing the height of your seawall as a flood mitigation activity or as a hurricane-based activity. It does not have the same mechanism that allows for a savings that would help offset the costs.

Mr. Kwoka believed this should be tabled to another conversation. He thought there were some very creative solutions that could be put together that do not burden the City as much or the citizens, but there are things like P-3's that could be done and there might be ways to pursue these PACE type programs. This is a big problem.

Mr. Ostrau questioned how many of the seawalls are owned by the City.

Dr. Gassman stated that the five miles of City infrastructure that is related to seawalls are primarily roadways that abut a waterway. Cordova Road is a great example, a portion of Las Olas Boulevard is a good example, and there is a strip on the Isle of Palm. She was guessing the area mentioned is the Isle of Hendricks. There is a thin strip of land next to the roadway, which is City property. There are certain portions of the City right-of-way that can be vacated and certain portions that cannot be vacated. There are certain portions, that because of the way ownership was established, they have a potential to sell, give, or vacate. In other situations, they do not have the same ability. In those cases, the seawall is essentially a part of the roadway infrastructure; it is a retaining wall that is holding a load in place although seawalls are starting to be thought of as flood prevention. The City is changing their thinking when considering which seawalls are part of City roadways or part of the City infrastructure.

Chair Mammano questioned how many properties have been cited and how many are in the process of doing this.

Dr. Gassman indicated that the last time she checked it was in the range of 40. Dr. Gassman stated everyone cited in the first round resolved their issues before they got to the Magistrate.

Chair Mammano mentioned that it was working, but there may be some hardship individual cases.

Mr. Kwoka questioned the distribution of disrepair to flooding.

Dr. Gassman stated it was probably close to even.

Mr. Orshefsky commented that he felt about private seawalls the way Committee members feel about I/I. There are public solutions called special assessment areas or zones. It was one of the things recommended by the Budget Advisory Board to the City Commission some time ago with respect to canal dredging; however, it was unknown if it ever got there with respect to seawalls. There was a way to spread, at municipal levels of interest, a 20 or 30-year assessment collected by the tax roll to pay for "x" linear feet. If the issue is that homeowners do not want to get hit by individual notices of violations and the City does not want to do a whole chunk, there are mechanisms to get that done.

Dr. Gassman advised that many people have asked why the City does not fix their seawalls since they are City-owned structures. Much like the roadways, the seawall infrastructure is there to keep the up in the up at this point; that is what those seawalls were put in place to do, to keep that piece of property in a fixed boundary.

Mr. Zeltman commented that there was a similar problem while doing Neighborhood Improvement Projects with septic tanks when they were putting in sewer mains. They had to get the lowest possible bid for the septic tanks to be abandoned, filled in, and then the connection to the trunk main. They worked with Broward County, so that may be worth looking into.

Dr. Gassman indicated that the City has contemplated whether a broad scale bid could be done and make the bid available to the public, but it is very clear that not all seawalls are created equal and people have specific needs for how they want or desire their seawall to look and what needs to be connected to it. The City, as part of its developing infrastructure work, has created specifications for their seawalls that other people can use, but residents do not have to use them.

Mr. Kwoka questioned where the responsibility stops, at the seawall, at the dock, at the pilings, or the landscaping.

Chair Mammano thought it was important and it discusses funding and priorities. Clearly, everyone can see that it is a priority to get these seawalls fixed.

Mr. Orshefsky would like the study table, which came in in February or March of this year. If there could be a staff presentation about what is being done with the five miles and how it is going to be done, then if an opine is desired, there could be discussion, as this Committee has looked at these kinds of potential solutions for private seawalls and recommendations to the Commission could be made.

Chair Mammano believed it would be worthwhile to comment on the burden on the individual property owners, not necessarily to solve the problem, but certainly in the Committee's discussion, how the City is going to pay for their seawall and if it would be with CIP money or stormwater fee money.

Dr. Gassman commented that when talking about the burden on the homeowner, there would be the same conversation about sidewalks.

Ms. Scott mentioned that as a realtor, if someone improves their seawall they are going to get that money back and the home will be more sellable.

Mr. Orshefsky stated that benefit is direct to the owner of the seawall.

Mr. Walters noted that was true except that when the person finishes the seawall he wants to be paid and the homeowner cannot get their money back until the house is sold.

Chair Mammano indicated that the September meeting was going to be devoted to new subjects that have not been devoted to a high level of discussion, not how to fix seawalls.

Mr. Orshefsky suggested defining the bulleted items; seawalls, Police Headquarters, parks, etc., and plugging them into the next ten meetings.

Chair Mammano gave Mr. Berg an opportunity to introduce the new Assistant Public Works Director.

Mr. Berg introduced Joe Kenney. Mr. Kenney is the new Assistant Public Works Director for the Engineering Division. Mr. Kenney comes from the private sector and prior to that had 20 years of public service with a lot of stormwater experience.

Mr. Verma clarified that he and Ms. Shuster were going to work with Mr. Orshefsky for the next meeting agenda. Mr. Orshefsky is going to finalize the draft report.

Mr. Orshefsky stated that needs to be done on the phone between now and the end of the week because he needs to get it off his hard drive.

Mr. Verma stated that the draft report would be presented at the next meeting and they would try to compile the table of studies as best as possible, so the Committee could indulge in discussion.

Chair Mammano stated that she and Mr. Verma would work on an agenda that includes all the other [infrastructure] items that have not been discussed as of yet.

Mr. Orshefsky advised that the key to scheduling each infrastructure topic was going to be the table of studies.

Mr. Verma stated that there would be minor informational items. He was aware of three impact fees received from Sustainable Development Services; water/wastewater, transportation and parks.

Chair Mammano indicated that Broward County has a transportation mitigation fee and noted that the City does not get that money. One of the agenda items has to be to lobby the Commission to lobby the County to get some of that money back locally.

Mr. Verma commented that the water and sewer rates and the impact fee were last done in 2005; there has been talk about having it evaluated.

Chair Mammano thought the consultant was already hired to do that.

Mr. Verma corrected his earlier comment regarding repair estimates of public facilities and mentioned that estimates were being prepared by the consultant with regard to repairs and band-aids. This was for Police Headquarters and perhaps other facilities.

Mr. Orshefsky suggested putting infrastructure needs in the table.

8. Public Comments – None.

9. Adjournment – Next Regular Meeting –September 6, 2018

There being no further business to come before the Committee at this time, the meeting was adjourned at 4:07 p.m.

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

DATE: August 28, 2018

TO: Mayor Dean J. Trantalis
Vice Mayor Ben Sorensen
Commissioner Heather Moraitis
Commissioner Steven Glassman
Commissioner Robert L. McKinzie

FROM: Infrastructure Task Force Committee

SUBJECT: Comprehensive Report on Critical Infrastructure

Attached please find the final report on the recommendations of the Infrastructure Task Force as directed by the Commission. This information was attached in draft form as an exhibit to the recommendations made in its Communication to the City Commission addressed at the July 10th City Commission Conference Meeting.

c: Lee R. Feldman, ICMA-CM, City Manager
Stanley D. Hawthorne, Assistant City Manager
Christopher J. Lagerbloom, Assistant City Manager
Alain E. Boileau, Interim City Attorney
Jeffrey A. Modarelli, City Clerk
John C. Herbst, City Auditor
Paul A. Berg, Public Works Director

August 28, 2018

Hello Members of the City Commission,

The Infrastructure Task Force Committee (ITF) is pleased to submit its first comprehensive report with recommendations on the critical infrastructure issues as requested by the City Commission. This report is a culmination of many long hours of exhaustive deliberation by the members, including four (4) community meetings held in March 2018. The Report represents the recommendations, the members' thought-process as well as the basis of our recommendations.

In its Policy Retreat meeting in May 2018, the City Commission communicated to ITF to provide near-term/three-year term recommendations related to the following infrastructure issues in no particular order:

- Sewer
- Potable Water
- Storm water
- Roads
- Seawalls
- Sidewalks

In addition, the City Commission asked that ITF:

- Address the long term issue of climate change and sea-level rise impacts, and
- Not provide any recommendations for city facilities and parks at this time.

Recognizing that funding has been a major challenge over the years, the ITF also addressed the financing aspect in all four (4) recommendations. The members decided to combine Roads, Sidewalks and Seawalls under one heading and add Impact Fees as its fourth recommendation. These recommendations, which were transmitted to the City Commission for its Conference Meeting on July 10, 2018, are summarized below:

1. Water and Sewer: The ITF recommended that the utility funds remain in the utilities account and not be transferred to the General Fund via Return on Investment ("ROI"). If the Commission decides to phase out the use of ROI over time, then the phase-out period should not exceed four (4) fiscal years.
2. Stormwater: The ITF recommended that the City Commission approve a revised methodology for storm water utility rates based on a traffic-based methodology. This methodology provides a more equitable allocation of storm water fees and can help to fund the current Storm Water Master Plan. In no event should the additional funds be subject to any ROI-based transfer to the General Fund.
3. Roads, Sidewalks, and Seawalls: The ITF recommended that the City Commission should establish a minimum capital contribution to the City's Capital Improvement Program (CIP) to support the City's broader infrastructure needs, ranging in size from 7-10% of the General Fund operating budget.

4. Impact Fees:

The ITF recommended 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.

This report also includes the input from the public as to their concerns about the City's infrastructure. Their feedback is shown in Appendix A. Although the priorities varied from one Commission District to the other, the composite ranking, listed below, remained fairly similar.

- Roads (26%)
- Sewer (21%)
- Stormwater (19%)
- Sidewalks (13%)
- Parks (11%)
- Drinking Water (8%)
- Bridges (2%)
- City Buildings (1%)

The 2017 Annual Neighbor Survey, conducted by the ETC Institute, reported that the overall flow of traffic, roads, sidewalks and infrastructure were also their top priorities.

One of the most interesting findings of the community meetings was the public support for paying higher taxes for additional infrastructure costs. The caveats were that the new development pay its fair share of infrastructure improvements and that any infrastructure upgrades be constructed with efficient and sustainable results. The City Commission should consider these sentiments as it finalizes the FY 2019 budget.

The ITF will continue to work with the Commission to make the Fort Lauderdale a world-class city. We look forward to meeting with the Commission on October 10, 2018 to continue the discussion and map out the next phase of our work.

Respectfully Submitted

Marilyn Mammano

Marilyn Mammano, Chair
Infrastructure Task Force

INFRASTRUCTURE TASK FORCE COMMITTEE 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 the 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 -- provided for both the composition of the ITF and its 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.

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.

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>.

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 identified 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 REQUESTED BY CITY COMMISSION

Based on feedback received during the City Commission’s policy retreat in May 2018, the Commission 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
- Sidewalks

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

In response, the ITF made four (4) recommendations at its July 6, 2018 meeting, which were reviewed and discussed by the City Commission at its Conference on July 10, 2018. They were:

- Water and Sewer Recommendations
- Stormwater Recommendations
- Roads/Sidewalks/Seawalls Recommendations
- Impact Fees 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 a Consent Order with FDEP, which was approved by the City Commission in September 2017. 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 details 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 has been issued and presented to the Commission.

The study known as the “Comprehensive Utility Strategic Master Plan” was accepted by the City Commission on February 17, 2015. 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>. 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-terms 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.

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 Funds 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.

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.

ITF Water/Sewer Recommendations

- **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.**

B. Storm Water

Background. Issues with respect to the storm water infrastructure needs of the City have risen in prominence 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 three (3) phases. Phase I primarily consists of developing capital improvement program (CIP), developing the Master Plan and constructing minor projects that could be funded by the current stormwater revenues. While the Master Plan and CIP have been developed, construction of minor

projects continues to be work in progress. Phase II will be the construction of major projects in the seven (7) worst affected neighborhoods using the proposed stormwater bond funding (estimated range \$150 to \$200 million). An approximate horizon for the completion of Phase II is 2024-25. Phase III will run parallel to Phase II and will encompass projects beyond Phase III. Based on the best information the City's stormwater engineering staff has, Phase III projects could be completed if the bonds are floated at the high end in the amount of \$200,000.

The Storm Water Master Plan is available here:

<https://www.fortlauderdale.gov/departments/public-works/engineering/master-plans>.

- 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 its implementation several years ago.

This current stormwater 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.

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.

ITF Storm Water Recommendations

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

The ITF further recommends: (i) that any additional stormwater utility monies or funding streams which become available not be subject to any ROI transfers; and (ii) that once approved, the new stormwater rate methodology be court-validated for bonding purposes, and then utilized to float revenue bonds sufficient to fund the current Stormwater Master Plan's improvements to the 7 identified neighborhoods; and (iii) consider use of the stormwater 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 stormwater 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 stormwater management, it may be appropriate to use stormwater 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 stormwater management needs.

C. Roads/Sidewalk/Seawalls

Background. 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.

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. 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>, or the Parks web page as it relates to the parks or public facilities for which the Parks and Recreation Department is responsible.

<https://www.fortlauderdale.gov/departments/parks-recreation/about-parks-and-recreation/master-plan>

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, <https://www.fortlauderdale.gov/departments/parks-recreation/about-parks-and-recreation/master-plan>.

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 two (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 contributions 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).

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.

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

ITF Roads/ Sidewalks/ Seawalls Recommendations

- **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.**

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.

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 structures and impact fees have not been updated for over 10 years. As the City's infrastructure needs evolve and increase over time, the impact fees must keep pace with demands of new development's infrastructure.

ITF Impact Fees Recommendations

- **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.**

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
- Potentially 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*

APPENDIX A: Summary of Outreach Meetings

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 Hottt Park

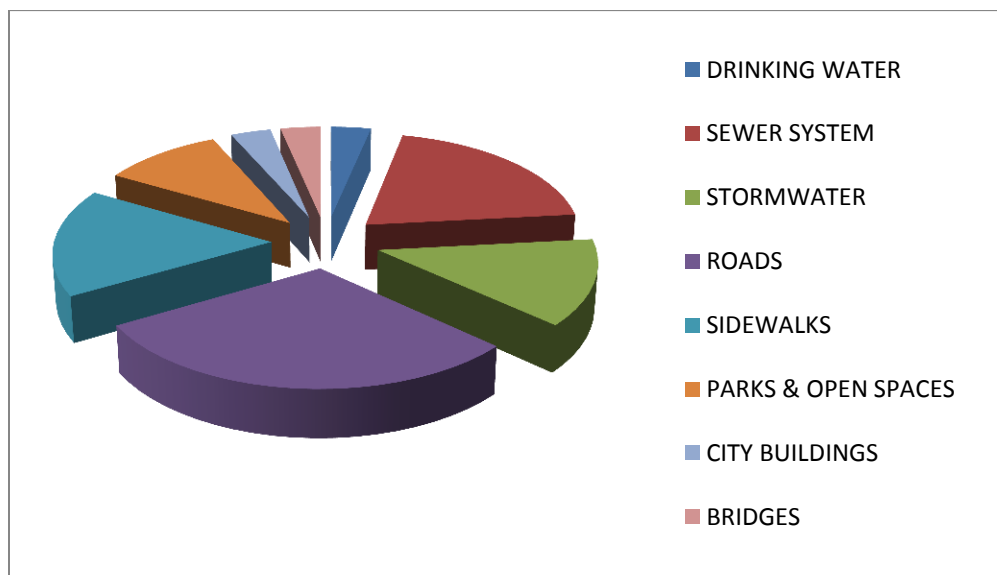
It was determined that the meetings should take place after the March 13, 2018 city elections. The topics were determined by identified issues of priority as directed by Mayor Seiler at its June 5, 2017 meeting; as well as, priorities identified by the Consent Order, Emergency Declaration and subsequent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

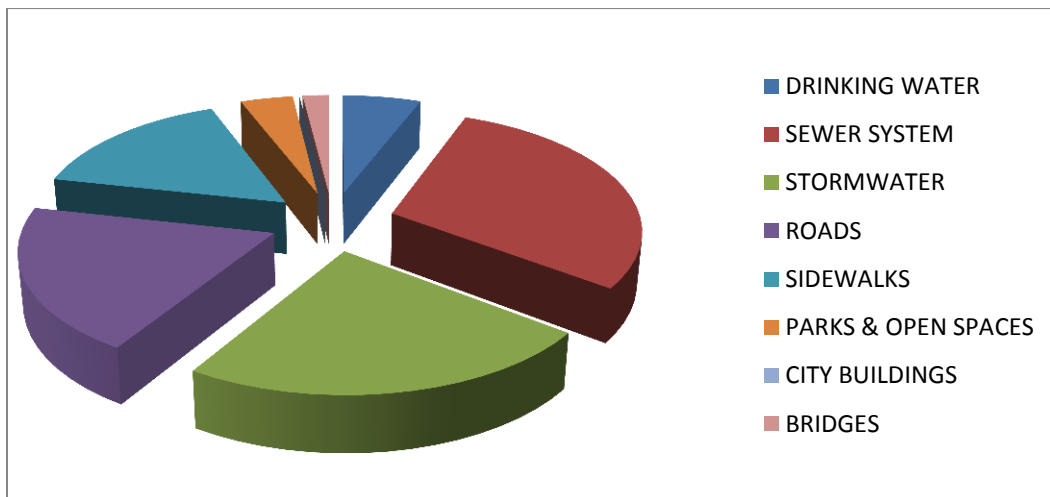
DISTRICT 1, MARCH 19, 2018

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%



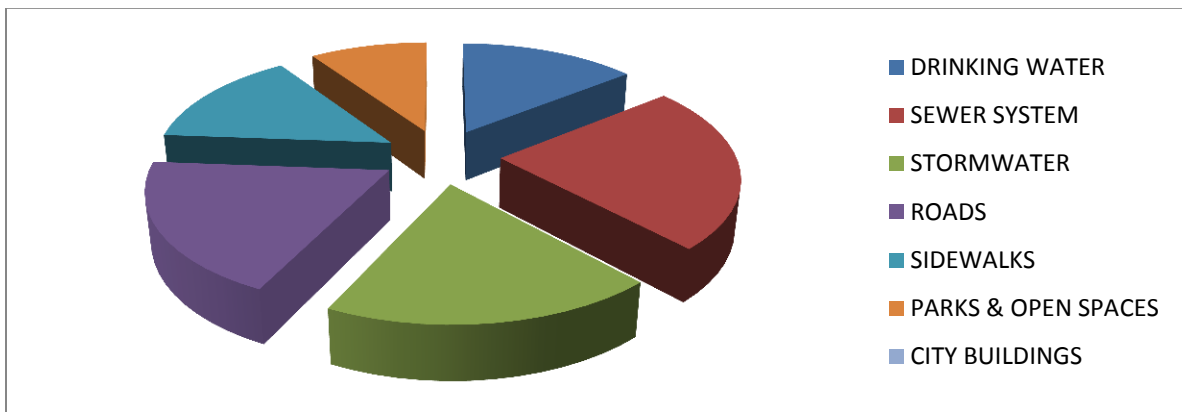
DISTRICT 2, MARCH 27, 2018 HOLIDAY PARK

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



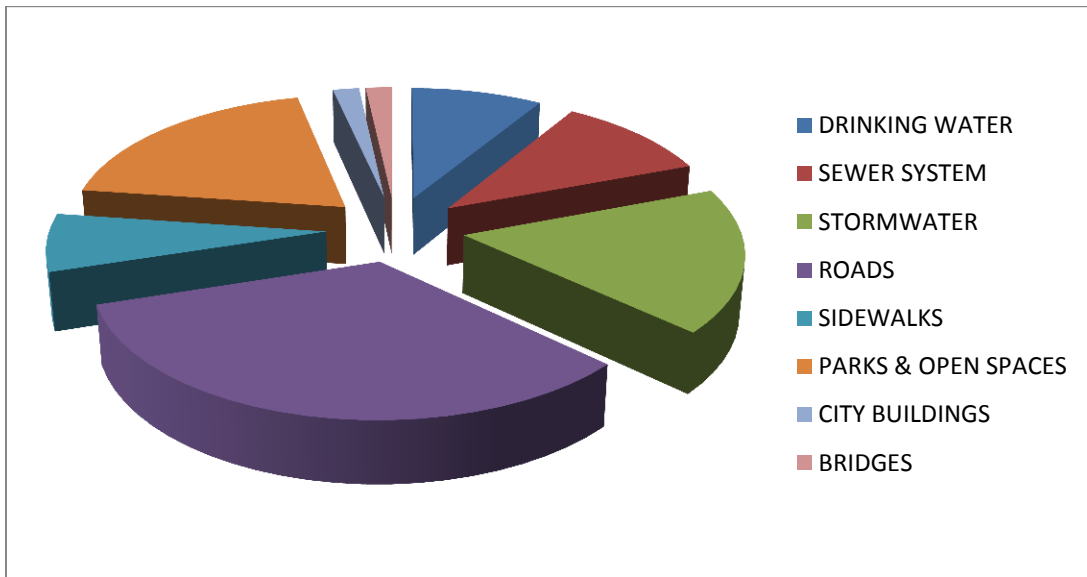
DISTRICT 3, MARCH 21, 2018 JOSEPH CARTER PARK

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

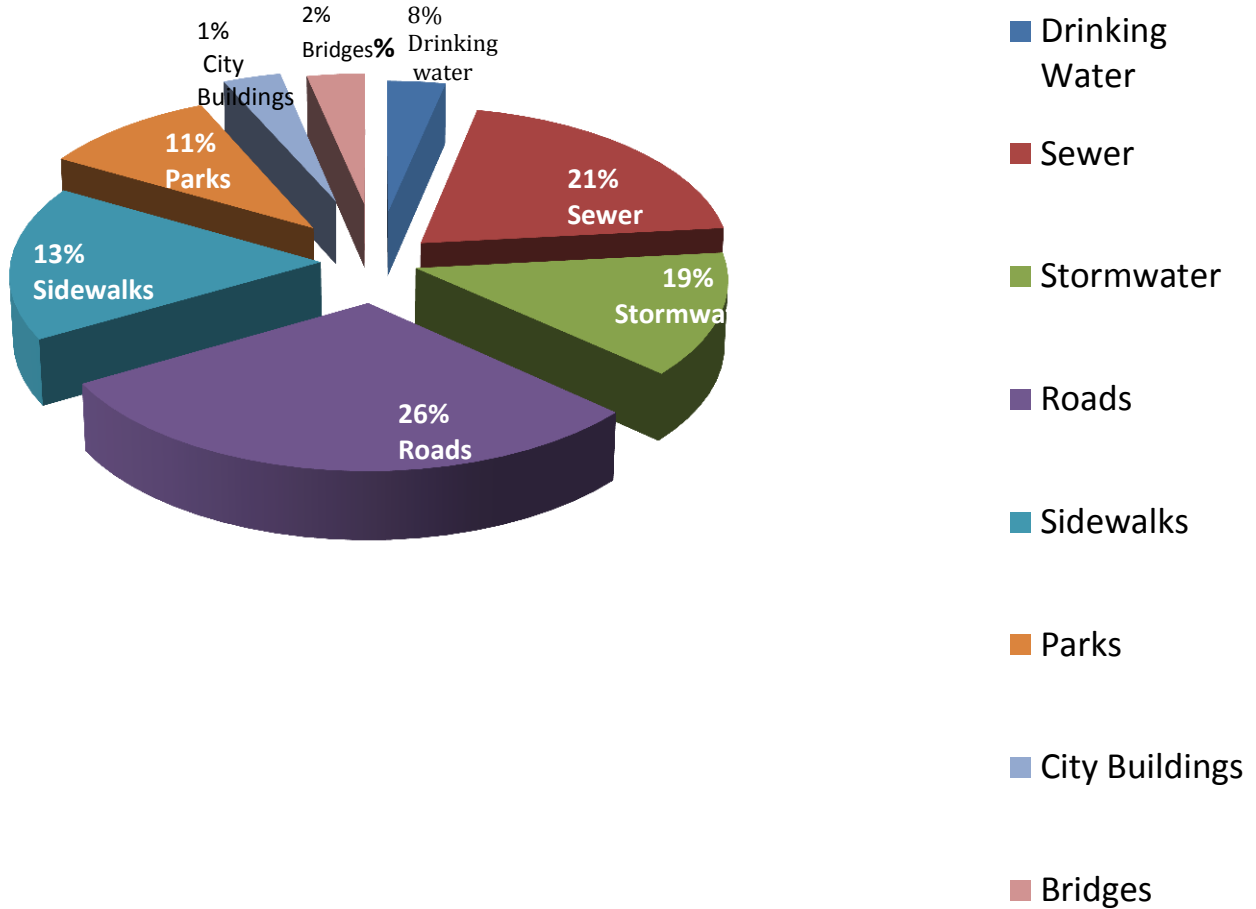


DISTRICT 4, March 22, 2018 Hortt Park

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 contaminates (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

APPENDIX B: FDEP Consent Order

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



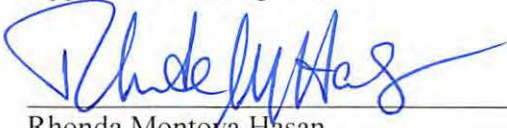
John P. "Jack" Seiler, Mayor
Mayor

(SEAL)



Lee R. Feldman, City Manager

Approved as to Legal Form



Rhonda Montoya Hasan
Assistant City Attorney

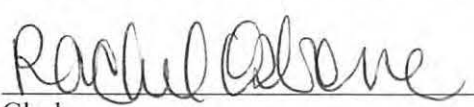
DONE AND ORDERED this # day of Month, 2017, in Palm Beach County, Florida.

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

9/29/17
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.



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

2017 OCT -3 PM 1:31



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 cursive script that reads "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



COMMISSION AGENDA ITEM
DOCUMENT ROUTING FORM

P3L 9/25/17
RUSH

Today's Date: 09/18/2017

DOCUMENT TITLE: STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION –
CONSENT ORDER PROVIDING FOR THE REPAIR AND MAINTENANCE OF THE CITY'S
WASTEWATER COLLECTION SYSTEM

COMM. MTG. DATE: 09/06/2017 CAM #: 17-1090 ITEM #: R-2 CAM attached: ☒ YES ☐ NO

Routing Origin: CAO Router Name/Ext: J. Larregui/5106 Action Summary attached: ☒ YES ☐ NO

CIP FUNDED: ☐ YES ☒ NO

Capital Investment / Community Improvement Projects defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, or fixtures) that add value and/or extend useful life, including major repairs such as roof replacement, etc. Term "Real Property" include: land, real estate, realty, or real.

1) Dept: CAO Router Name/Ext: J. Larregui/5106 # of originals routed: 3 Date to CAO: N/A

2) City Attorney's Office: Documents to be signed/routed? ☒ YES ☐ NO # of originals attached: 3

Is attached Granicus document Final? ☒ YES ☐ NO

Approved as to Form: ☒ YES ☐ NO

Date to CCO: 9/19/17

Rhonda M. Hasan
Attorney's Name

[Signature]
Initials

3) City Clerk's Office: # of originals: 3 Routed to: Gina Ri/CMO/X5013 Date: 9/19/17

4) City Manager's Office: CMO LOG #: Sep 53 Document received from: 9/19/17 CCO

Assigned to: L. FELDMAN ☒ S. HAWTHORNE ☐ C. LAGERBLOOM ☐
L. FELDMAN as CRA Executive Director ☐

☐ APPROVED FOR LEE FELDMAN'S SIGNATURE ☐ N/A FOR L. FELDMAN TO SIGN

PER ACM: S. HAWTHORNE (Initial/Date) C. LAGERBLOOM
(Initial/Date) ☐ PENDING APPROVAL (See comments below)

Comments/Questions: _____

Forward 3 originals to ☐ Mayor ☒ CCO Date: 9/20/17

5) Mayor/CRA Chairman: Please sign as indicated. Forward _____ originals to CCO for attestation/City seal (as applicable) Date: _____

6) City Clerk's Office: Forwards 3 Originals to: Meredith Shuster/Public Works
J. Larregui/CAO/5106 for routing to State of FL – Dept. of Environmental Protection

Attach 1 certified Reso # 17-184 ☒ YES ☐ NO

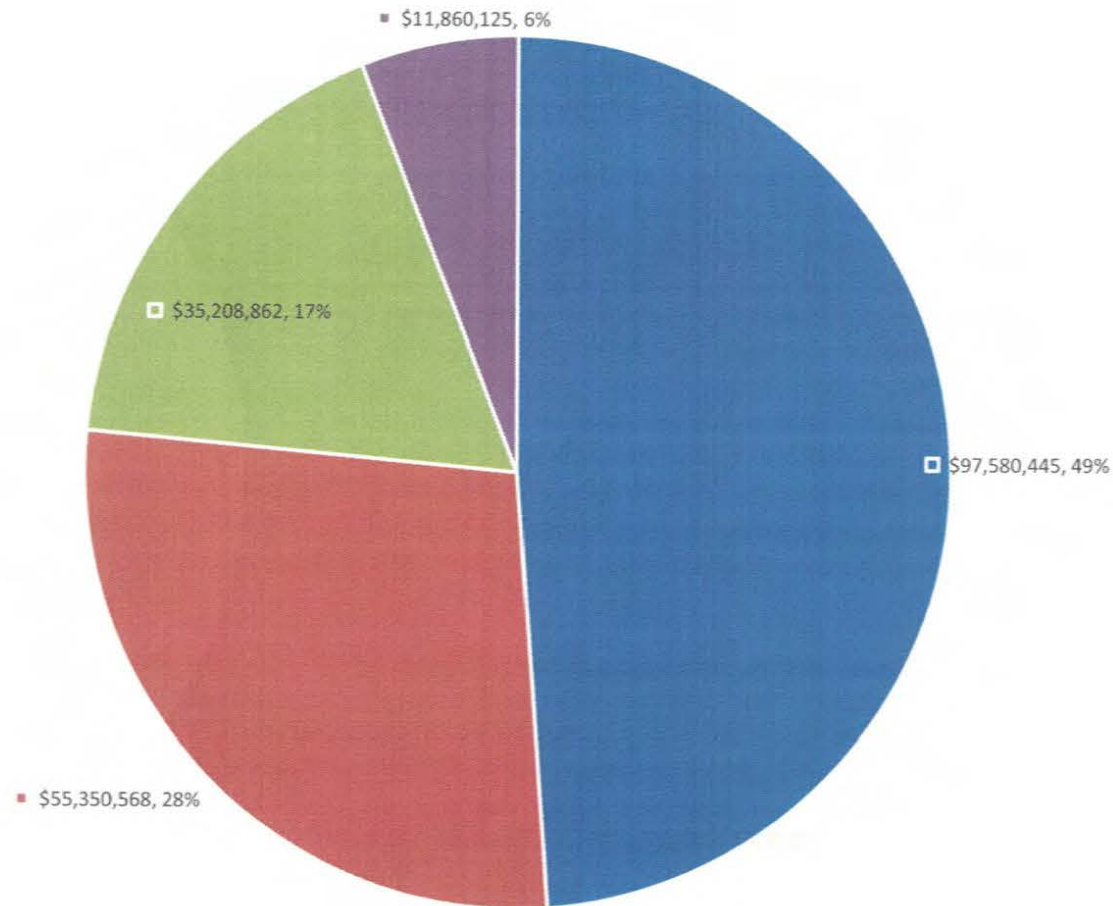
Original Route form to CAO/J. Larregui

Rev. 12/22/16

11/21/94
RUSH

APPENDIX C: June, 2018 analysis of the use of the March 2018 bond funds

Bond Funded Projects - By Category

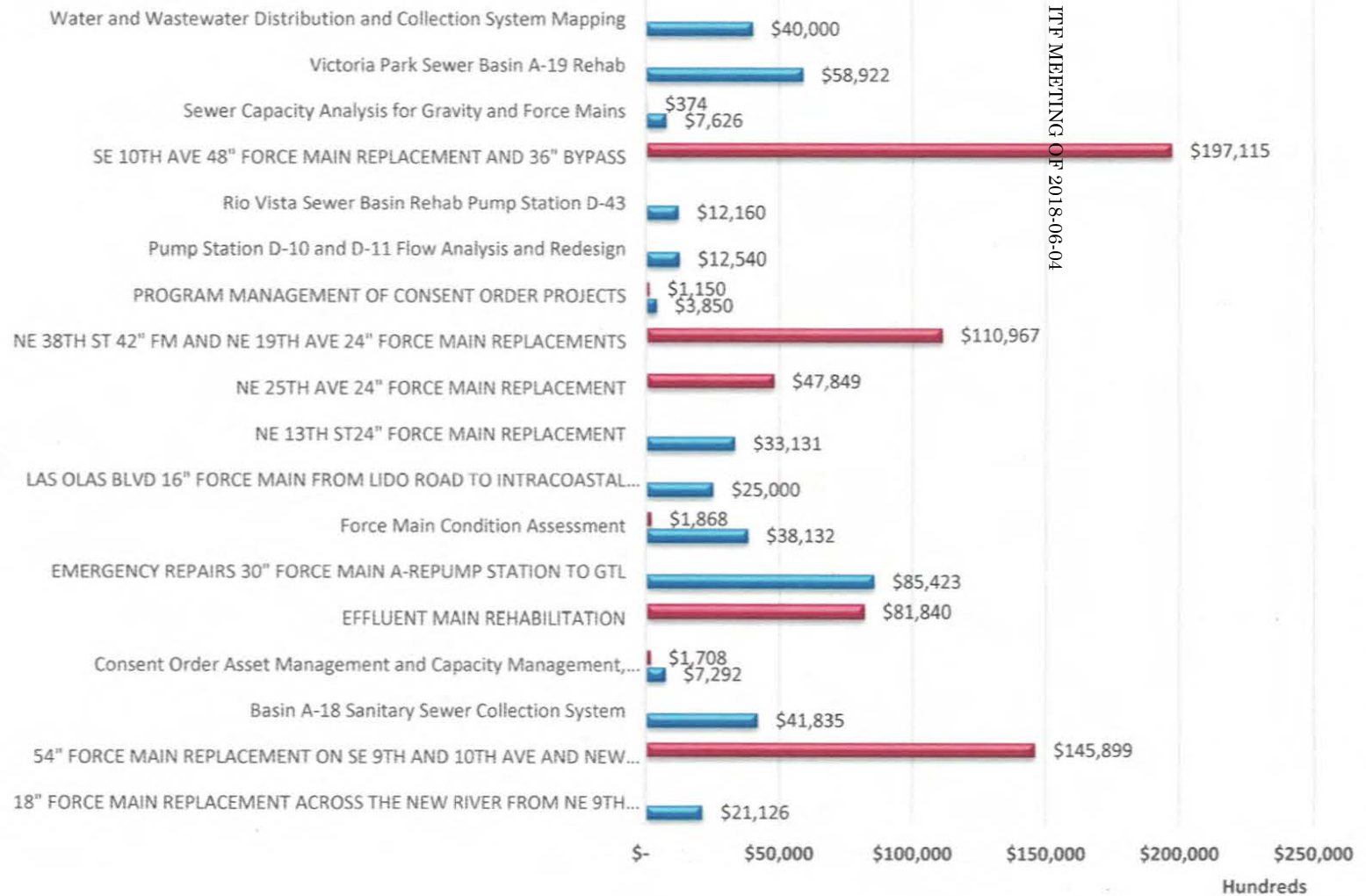


- Consent Order Projects (Central Region \$58,876,860 + W/WW Master Plan \$38,703,585)
- Priority Deferred Projects/Future CIP Projects Now Funded by Bond Monies
- CUSMP [Comprehensive Utility Strategic Master Plan / Reese Report] (Central Region \$23,900,000 + W/WW Master Plan \$11,308,862)
- Projects from FY 2018 Charged to Bond Fund and Replenish \$25,500,000 Fund Balance

Sum of TOTAL PROJECTED COST

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

PROJECT TITLE



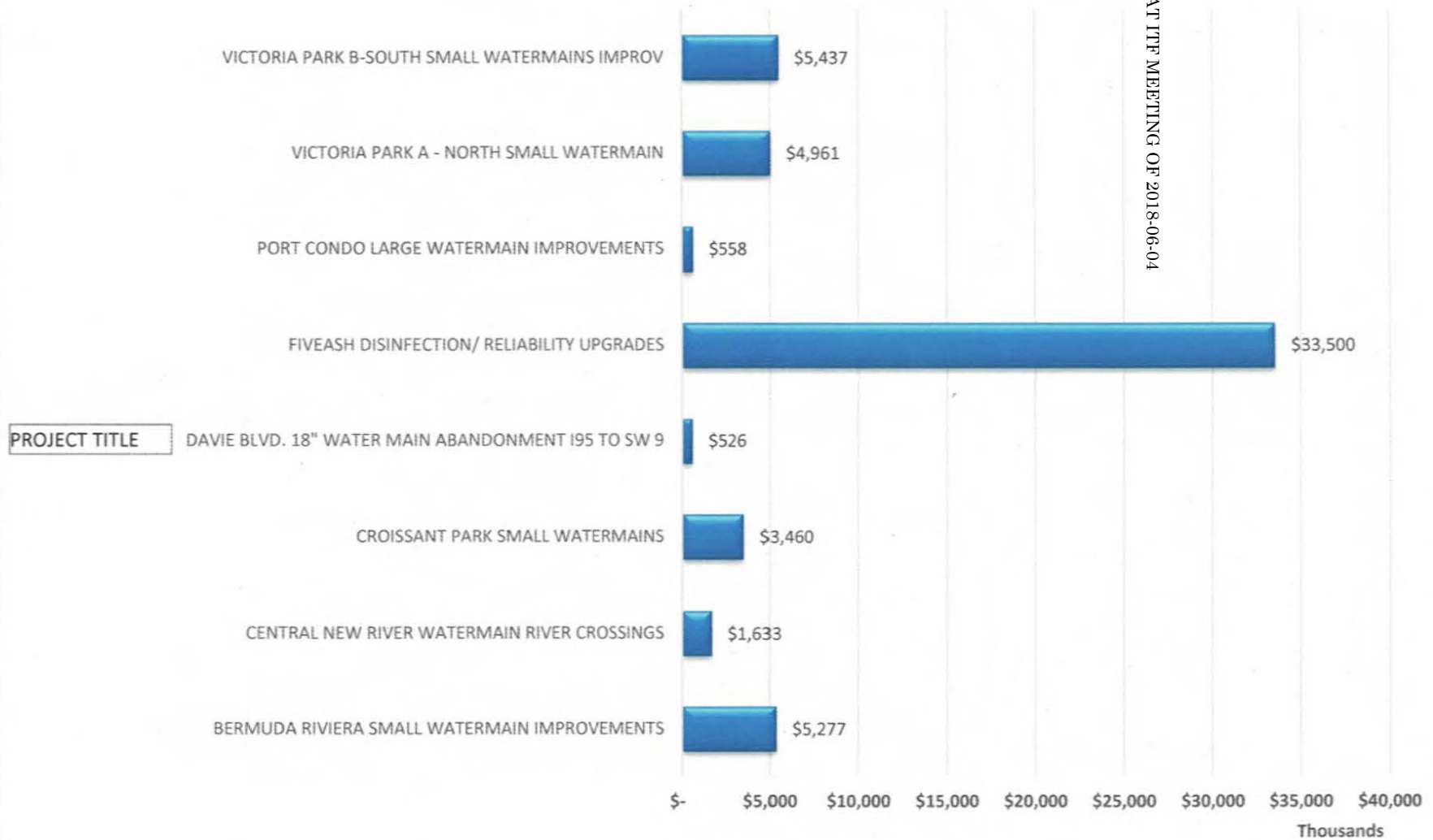
FUND

496 - Central Region

495 - Water/Wastewater Master Plan

Sum of TOTAL PROJECTED COST

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



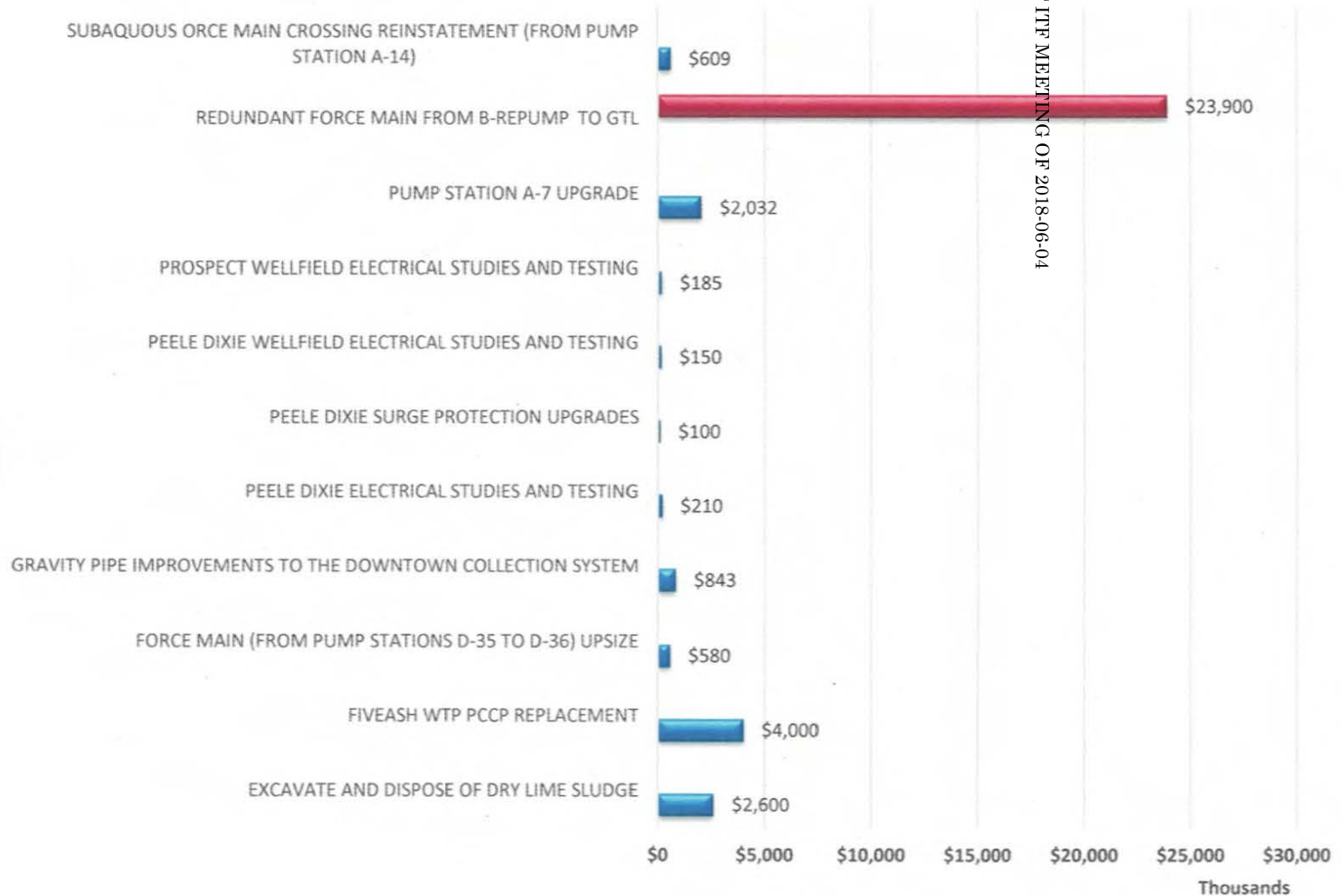
FUND

495 - Water/Wastewater Master Plan

Sum of TOTAL PROJECT COST

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

PROJECT TITLE



FUND

■ 496 - Central Region

■ 495 - Water/Wastewater Master Plan



APPENDIX D: November, 2017 "City of Fort Lauderdale
Water and Sewer Bonds - Comparison of Level Debt and
Aggregate Level Debt Structures" -



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

#####

Wastewater System

COMPREHENSIVE UTILITY STRATEGIC MASTER PLAN



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>

APPENDIX F: "FY 2019 Public Works CIP Request". -

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 LNDSKP 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 HABOR 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 SIDEWLK NW 16 ST	35,000	-	-	-	-	-	35,000	-
P11961	2014 NCIP LAKE AIRE DÉCOR ST POST/SIGNS	35,000	-	-	-	-	-	35,000	-

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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	-

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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

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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

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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	