



### OUR VISION

Fort Lauderdale is a national leader in sustainability and climate adaptation, with first class water, wastewater, and stormwater infrastructure, modern resilient public facilities, excellent solid waste management and other public services, addressing current and projected challenges directly; learning and collaborating locally and globally, and managing in the context of change and uncertainty. As a result, our community continues to thrive and develop as a hub for culture, innovation, and business, with pathways to prosperity and an improved quality of life for all our residents and neighborhoods.

### OUR MISSION

To maintain and enhance our City's natural and built environments to include Right-of-Way (ROW) infrastructure designed to meet the needs of today and the conditions of tomorrow, pro-actively manage infrastructure assets, effectively operate world class regional water, wastewater, and stormwater utilities, and provide premier engineering, project management, fleet, sustainability, environmental, solid waste management and customer services for City residents, visitors, business owners, property owners, and other City Departments.

### MONTHLY HIGHLIGHTS AND DECISION ITEMS

#### **Water Consent Order Distribution System Mapping:**

On March 15, 2022, the City Commission rejected all bids for the project as part of a settlement with WGI. A new solicitation was issued on April 21, 2022, however the solicitation was not advertised in the appropriate publications and the solicitation period needed to be extended by 35 days. This project will not be completed by the Florida Department of Environmental Protection (FDEP) Consent Order deadline, which will result in the City incurring a fine of \$10,000 per day beyond the July 23, 2023 deadline. Based on current schedule, it is anticipated work will not be completed earlier than December, 2024.

**Sidewalk Repairs:** The City's Annual Concrete & Paver Stones contractor replaced approximately 12,000 square feet (sq. ft.) of sidewalks at 65 locations in three (3) neighborhoods: 6,000 sq. ft. in the River Oaks, 5,500 sq. ft. in Imperial Point, and 500 sq. ft. in

Rio Vista. Furthermore, approximately 4,500 sq. ft. of damaged sidewalks were repaired at 30 locations in four (4) neighborhoods: 1,500 sq. ft. in Melrose Park, 805 sq. ft. in River Oaks, 1,165 sq. ft. in Lauderdale Manors, and 2,265 sq. ft. in the Central Beach Alliance.

**Sistrunk Paving Project:** The contractor has completed asphalt repairs along Sistrunk Boulevard from NW 5 Avenue to NW 16 Avenue in four (4) neighborhoods - Progresso Village, Home Beautiful Park, Durrs, and Dorsey-Riverbend. Construction began on May 9, 2022 and was completed May 27, 2022. The intersections included westbound Sistrunk Boulevard at NW 5 Avenue, NW 7 Terrace, NW 8 Avenue, NW 10 Terrace, NW 11 Avenue, NW 13 Terrace; and eastbound at NW 13 Terrace, NW 15 Way, NW 15 Terrace, and NW 16 Avenue.

## UPCOMING CAMS AND LEGISLATION

June 7, 2022:

- Resolution Calling for an Election to be Held for the Lauderdale Isle Water Management District Governing Board Due to Vacancy - (Commission District 4)
- Motion Approving the First Amendment to an Agreement Between Broward County, City of Fort Lauderdale and Fort Lauderdale Country Club, Inc., for Reimbursement Funding of a Saltwater Intrusion Monitoring Well - \$9,795.50
- Second Reading - Ordinance Amending the City of Fort Lauderdale Unified Land Development Regulations Sec. 47-21, Relating to Landscaping and Tree Preservation Requirements
- Motion Approving Interim Agreement with The Boring Company for the Subsurface Tunnel System from Downtown Fort Lauderdale to Fort Lauderdale Beach, Pursuant to Florida Statutes Sec. 255.065(6)
- Motion Approving Consent of Assignment of Contract from Lanzo Trenchless Technologies, Inc. – South to Lanzo Construction Co., Florida
- Motion Terminating for Cause an Agreement with Screen Graphics of Florida, Inc. and Approving a New Purchase of Vehicle & Equipment Graphics, Installation, and Removal with Graphic Designs International, LLC - \$300,000
- Motion Approving a Service Agreement for Advanced Metering Infrastructure Solution Consultant Services - Black & Veatch Corporation - \$237,138

June 21, 2022:

- Motion Approving Task Order No. 3 for George T. Lohmeyer Wastewater Treatment Plant Capacity Analysis Report and Renewal/Replacement Report Updates - CDM Smith, Inc. - \$34,875
- Motion Approving Task Order No. 4 for to Perform a Local Limits Evaluation Study for the Industrial Pretreatment Program - CDM Smith, Inc. - \$120,421
- Motion Approving Task Order No. 5 for George T. Lohmeyer Wastewater Treatment Plant Capacity Analysis Report (CAR) - CDM Smith, Inc.- \$34,055

## UPCOMING EVENTS AND ACTIVITIES – MAY 2022

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| June 1, 2022  | Public Works Professional Development Training – 1:30 pm              |
| June 1, 2022  | Prospect Lake Clean Water Center Public Outreach Discussion – 3:00 pm |
| June 2, 2022  | Prospect Lake Clean Water Center Weekly Meeting – 3:00 pm             |
| June 3, 2022  | Prospect Lake Clean Water Center Weekly Meeting – 10:00 am            |
| June 3, 2022  | Cityworks Demonstration – 2:00 pm                                     |
| June 6, 2022  | Infrastructure Task Force Advisory Committee Meeting – 2:00 pm        |
| June 6, 2022  | Prospect Lake Clean Water Center Weekly Meeting – 6:00 pm             |
| June 8, 2022  | Public Works Professional Development Training – 1:00 pm              |
| June 9, 2022  | Prospect Lake Clean Water Center Weekly Meeting – 6:00 pm             |
| June 13, 2022 | Prospect Lake Clean Water Center Weekly Meeting – 6:00 pm             |
| June 14, 2022 | Effluent Force Main Project Meeting w/ Broward County – 3:30 pm       |
| June 16, 2022 | Prospect Lake Clean Water Center Weekly Meeting – 6:00 pm             |
| June 20, 2022 | Prospect Lake Clean Water Center Weekly Meeting – 6:00 pm             |
| June 22, 2022 | Public Works Monthly Management Meeting – 9:00 am                     |
| June 23, 2022 | Prospect Lake Clean Water Center Weekly Meeting – 6:00 pm             |
| June 27, 2022 | Prospect Lake Clean Water Center Weekly Meeting – 6:00 pm             |
| June 28, 2022 | Effluent Force Main Project Meeting w/ Broward County – 8:30 am       |
| June 30, 2022 | Prospect Lake Clean Water Center Weekly Meeting – 6:00 pm             |

## INFRASTRUCTURE TASK FORCE UPDATE – NEXT MEETING JUNE 6, 2022

During the May 2, 2022, Infrastructure Task Force Advisory Committee (ITFAC) meeting, the Committee discussed Asset Management and Funding in FY 2023, Consent Order Agreement – Mapping of the Water System, and Yearly Analysis of Water System Breaks from 2021. The ITFAC is expected to discuss the following at the June 6, 2022, meeting at 2:00pm:

- Catch Basin Cleaning Schedule Presentation
- City's Sidewalk Budget, including Repairs to Damaged Sidewalks and Connectivity
- Percentage of Unaccounted Water from Fiveash Water Treatment Plant
- Map and Figures of Pump Stations with Lower Run Times Near Lined Basins

## PERSONNEL AND HIRING/VACANCY STATUS

Public Works currently has 85 vacancies, up four (4) from the previous month. While 20 positions were filled in May, 24 positions became vacant. Candidates have been selected for nine (9) of the vacant positions pending background checks and four (4) of the selected candidates are scheduled to start by June 13, 2022. Recruitment is ongoing for all but four (4) of the vacant positions, two (2) of which are being reclassified to better meet Departmental needs and two (2) which are being evaluated.

## SUSTAINABILITY DIVISION

**SUSTAINABILITY AND CLIMATE RESILIENCE:** In May, the City was notified that it was awarded funding from the State of Florida's Office of Resilience and Coastal Protection's Resilient Florida Program. This funding will be used to conduct a Citywide vulnerability assessment and will allow the City to apply for future funding for projects that increase resiliency. Staff continues to work on the "LEED for Cities" certification and will hire a summer intern to assist with this effort. The City's revisions of ULRD 47-21 Landscaping and Tree Preservation are currently scheduled to be presented to City Commission for Second Reading at the June 7, 2022 regular meeting. These revisions are intended to address urban forestry concerns in a comprehensive way, which will result in a more streamlined and consistent application of the City's landscape regulations, while strengthening tree preservation as a whole.

**FLEET SERVICES:** Short listing and presentations have been completed for the Request for Proposals (RFP) for contracted maintenance services for the fleet. The new maintenance services contract would begin in the new fiscal year on October 1, 2022.

**STORMWATER OPERATIONS:** Staff continues its preventive maintenance inspections throughout the

City. Maintenance teams continue efforts to complete several neighborhood projects and repair teams are actively involved in inspection and replacement activities for City-owned stormwater infrastructure. Recently installed tidal valve locations are being surveyed to update the Stormwater asset inventory in preparation for inspections prior to this year's rainy season.

**ENVIRONMENTAL AND REGULATORY AFFAIRS:** Staff conducted its Environmental and Sustainability Management System (ESMS) management review for the Fleet and GTL Fence Lines with the City Manager, Assistant City Manager Tarlesha Smith and respective Department Directors. The prohibited application period for fertilizer treatments will commence June 1, 2022, through September 30, 2022 and Strategic Communication is performing public outreach on this item. The National Pollution Discharge Elimination System (NPDES) report, as well as the 20-year Wastewater and Stormwater Needs Analysis, are scheduled to be submitted to Broward County by June 30, 2022. The Tarpon River solids removal, in response to the 2019/2020 wastewater spill, is ongoing.

## ENGINEERING DIVISION

### GENERAL ENGINEERING

**P12087 South Ocean Drive Bridge Replacement:** (Bidding) Broward County reviewed and approved bid documents for the construction of the new bridge. The solicitation was advertised on May 25, 2022 with bid opening scheduled for June 29, 2022. A Pre-bid meeting is scheduled for June 3, 2022.

**P12641 Castle Harbor Isle Bridge Design and Replacement:** (Planning and Initiation) Staff is awaiting the submittal of a task order for the design of the bridge replacement from the consultant (Hardesty & Hanover).

**P12299 West Lake Drive Bridge Restoration:** (Construction) MOT and temporary traffic lights have been installed and repair work is ongoing. The Contractor completed repairs on the northwest segment of the bridge and is proceeding with repairs to the southwest segment of the bridge. The project is expected to be complete by September 2022.

**P12509 Temporary Fire Station #13 and Parking:** (Construction) The contractor has cleared and graded the property and is currently installing stormwater piping. The trailer currently housing the firefighters stationed at Fire Station #54 will be retrofitted for use during construction of Fire Station #13, however the trailer will not be moved until Fire Station #54 is completed in November 2022.

**P12277 40-year Concrete Repairs:** (Annual Contract) Remediation work on the War Memorial Auditorium will be completed by the tenant under new renovations. The Aquatic Center will have building remediation work done under an upcoming concrete restoration project; the electrical portion was completed by City crews. City Hall concrete restoration work is currently in progress and the architectural and electrical items were completed by City crews. The George T. Lohmeyer (GTL) Wastewater Treatment Plant concrete restoration has begun, and the electrical work has been completed. This process requires that the firm which performed the original inspections should perform a final inspection after all repairs are completed. Staff is planning to engage the firm to submit a task order for the final inspection task.

**P11715 Las Olas Isles Undergrounding:** (Construction) The Contractor began construction on Tuesday, May 31, 2022, at Isle of Capri Drive and Mola Avenue for this long-awaited project in the Las Olas community. This project includes undergrounding overhead utility wires, installing new underground electric and communication services to each home, installing new streetlights and poles, resurfacing streets, and restoring curbing and landscaping as needed near new ground-mounted equipment facilities.

**P12585 Galt Mile Streetscape:** (Design) The Galt Mile Community Association desires to enhance and refresh Galt Ocean Drive. The community seeks a joint proposal with the City to resurface the roadway and bike lanes, replace and enhance the sidewalks, curbs, landscaping, and lighting, and make improvements to increase pedestrian mobility and safety along this unique corridor. Recently, the community accepted the concept plan and met with City officials to consider funding mechanisms for the proposed \$5 million project. The City Commission will consider a budget amendment request for June 7, 2022, in the amount of \$500,000 for design and engineering fees. Once the budget transfer is approved, staff will start working on the process of selecting a consultant for further design development.

### STORMWATER ENGINEERING

**P11868 River Oaks Stormwater Improvements:** (Construction) The River Oaks Neighborhood Stormwater Improvements project began construction at the start of January 2022. Phase I of the project continues with over 1,200 feet of reinforced concrete storm drainpipe installed, and 25 drainage related structures installed to date. The contractor is continuing work along the northside of the River Oaks Preserve, SW 19 Avenue, SW 20 Street, SW 21 Street, and SW 24 Street. This \$26 million project is on time and on budget, with a completion date projected for January 2025.

**P11842 Edgewood Stormwater Improvements:** (Construction) Construction activities on the \$16 million stormwater improvements project commenced on January 3, 2022. The project is progressing well and is currently ahead of schedule.

To date, over 70 structures and more than 9,000 linear feet of reinforced concrete pipe have been installed as a part of Phase 1. This current phase is on pace to be completed by July 2022. The additional four (4) phases of construction will progress eastwardly through the neighborhood and the final restoration will take place at the end of the project. This project is expected to be completed ahead of schedule by September of 2024.

**P12330 Seawall Replacement Program:** (Bidding) Contingent upon funding, the City plans to replace seawalls at the following locations in Fiscal Year 2022: four (4) Las Olas seawalls, two (2) Hendricks Isle seawalls and the SE 10 Street seawall. The contract for the Hendricks Isle Seawall Replacement project was awarded during the April 19, 2022 Commission meeting and staff is awaiting the executed contract. The US Army Corps of Engineers has approved the State Programmatic General Permit required for this project.

## **WATER AND WASTEWATER**

**P11781 GTL WWTP Cryogenic Plant Upgrades** (Construction) Construction is approximately 12% complete. The contractor completed construction of the building's foundation, stem walls and electrical duct banks. Currently, the contractor is working on the formwork for the building's stairs, backfilling and compaction inside the building for the floor slab, and underground electrical duct banks. The agreement with CDM Smith for Construction, Engineering, and Inspection Services has been executed and a task order is being routed for approval. Estimated completion date is November 2023.

**P12529 Effluent Pumps Standby Generator & Admin Bldg. Improvements:** (Initiation and Planning) The City Commission approved award of the contract to develop a Design Criteria Package during the March 1, 2022 Commission meeting. The City's Procurement Division is working to execute the contract and staff expects to have the executed contract in early June 2022. A meeting with the Consultant to discuss the final scope of work for the Design Criteria Package was held on May 6, 2022, and the Notice to Proceed (NTP) to begin design criteria development will be issued when the contract is executed.

**P12484 Refurbishment of the Fiveash WTP 5 MG Steel Tank (North):** (Construction) Upon inspecting the inside of the tank, it was determined that rehabilitating the existing tank was too costly and approximately equivalent to construction of a new tank. As such, this project will be closed out following demolition of the existing tank and a new project will be created to design and construct a new tank. Funding for the new project was requested in the FY 2023 Community Investment Plan (CIP). A scope of work was prepared for the tank demolition and three (3) quotes were sent to Procurement for approval. However, Procurement has rejected staff's request to demolish the tank via a departmental quote and as such, a formal solicitation has been prepared and is awaiting advertisement by Procurement.

**P12412 Pump Station A-16 Upgrade (Associated with the upcoming New Federal Courthouse):** (Design) A New Federal Courthouse is proposed at SE 11 Street and SE 4 Avenue. The City anticipates partnering with the Federal Courthouse project team to relocate water and sewer utilities and construct a 350-space parking garage on site. Prior to commencing any work, the City and the Federal Government's General Services Administration (GSA) must execute agreements necessary to implement the proposed utility and parking garage work. At this time, the GSA is preparing draft documents and the City anticipates the agreement will be finalized in late summer 2022. The new Federal Courthouse is scheduled to open in early 2026.

**P11991 Downtown Sewer Basin Pump Station A-7 Rehabilitation:** (Construction) The contractor continues to work on sewer main assessment and lining in this basin. Intermittent daytime and nighttime lane closures on Broward Boulevard, between Andrews Avenue and Federal Highway, are ongoing. The City and contractor are reviewing and preparing change orders for unforeseen work not included in the original contract. The proposed change orders will include contract time extensions to address numerous items.

**P11566 Rio Vista Sewer Basin Rehab Pump Station D-43:** (Construction) The contractors have completed all punch list items on the existing task orders and staff is working with the contractors to process the closeout documents. The City is reviewing a change order to address unforeseen project impacts, which will include a contract time extension to address

numerous items. Upon issuance of new task orders, work in the southwest portion of the basin, including smoke testing and defect repairs, will begin.

**P12605 Pump Station A-24:** (Design) The Design Criteria Package is currently out for bid with the end date scheduled for June 3, 2022. Once bidding is closed, staff will review the proposals and shortlist three (3) firms to provide presentations.

**P12415 Pump Station A-7:** Project is approximately 65% complete. All underground piping has been installed, wet well discharge piping has been installed, and new coating was completed on the

interior of the wet well. A flow meter, vault and valves have been installed. Electrical work is in progress and underground conduits and control panels have been installed. Project is on schedule to be completed by August 2022.

**P12716 Advanced Metering Infrastructure (AMI):** (Bidding) The City has reached an agreement on the fee proposal with a consultant to develop a Request for Proposal (RFP) and to act as the Owner's Representative for the AMI implementation project. Staff expects the contract to be awarded during the June 7, 2022 Commission meeting.

## CONSENT ORDERS

### WATER CONSENT ORDER

#### Funding:

- Budgeted: \$843,474 For In-Kind Project – Project Number P12020
- Budgeted: \$14,816 For Water Distribution Mapping Plan
- Budgeted: \$6,175,000 Water Distribution System Mapping – Project Number 12729
- Total Budget: \$7,033,290

#### Expenditures:

- In-Kind Project: P12020 – Hector Park Stormwater Improvements (Project Complete)
  - Actual Spent: \$811,445
  - Encumbrances: \$0
  - Balance: \$32,029
- Water Distribution Mapping Plan: (Project Complete)
  - Actual Spent: \$14,816
  - Encumbrances: \$0
  - Balance: \$0
- Water Distribution System Mapping – Project Number 12729:
  - Actual Spent: \$0
  - Encumbrances: \$0
  - Balance: \$6,175,000
- Total:
  - Actual Spent: \$826,261
  - Encumbrances: \$0
  - Balance: \$6,207,029

\*Valve exercising is being conducted by Utilities staff and thus the cost is not reflected above.

#### Highlights:

As of May 2022, six (6) of the 12 Water Consent Order milestones have been achieved. To date, all requirements of the Water Consent Order have been completed and submitted to Florida Department of Environmental Protection (FDEP) on time or ahead of imposed deadlines. This includes the preventative maintenance plan, mapping plan, annual valve maintenance report, and completion of the in-kind project. The City continues to exercise the valves in accordance with the approved preventative maintenance plan and, as of April 22, 2022, 30% of the source water valves have been exercised Citywide.

#### Upcoming Actions/Milestones:

The City Commission rejected all proposals for Water Mapping and asked procurement to re-issue the bid solicitation. The project was re-advertised on April 22, 2022 and bidding was scheduled to close on May 23, 2022; however, Procurement extended the bid closing date to June 27, 2022 to ensure compliance with the City Procurement Code Requirements for advertising. A letter requesting an extension of the project due date was submitted to FDEP on May 9, 2022. FDEP responded to our request on May 23, 2022, requesting further details on the reasons for extension. Staff is preparing a response.

## **WASTEWATER CONSENT ORDER**

**Funding:** \$249,061,049 Budgeted

### **Expenditures:**

- Actual Spent: Approximately \$146,901,795
- Encumbered: Approximately \$50,495,598

### **Highlights:**

As of May 2022, 58 of the 78 Amended Consent Order milestones have been achieved. To date, all requirements of the Amended Wastewater Consent Order have been completed and submitted to FDEP on time or ahead of imposed deadlines. The Asset Management, Capacity Management, Operations and Maintenance (AM\_CMOM) Program, consisting of an additional 45 milestones, is proceeding as scheduled; 13 activities have been completed to date and an additional 17 have been initiated. The City completed reviewing the Sewer Use Ordinance for Consent Order compliance and AM-CMOM Program implementation, which was due for completion in May 2022. As part of the AM-CMOM Program, the City also completed review of the written standard preventative and emergency/reactive operation and maintenance procedures.

### **Upcoming Actions/Milestones:**

The next programmatic milestone is the 2022 Semi-annual Report No. 1, which is due by July 31, 2022. As part of the AM-CMOM Program, the City must also finalize the prioritization between pump station, force main, and gravity main Inflow/Infiltration (I/I) projects by the end of July, while considering timing and potential benefits of related I/I reduction efforts.

## **STRATEGIC METRICS**

| <b>Measure (Reporting Frequency)</b>                                                             | <b>Fiscal Year to Date (FYTD)</b> | <b>Target</b> |
|--------------------------------------------------------------------------------------------------|-----------------------------------|---------------|
| Percent of Projects On Budget and On Schedule (Quarterly)                                        | 94.06% (FY 2022 Quarter 2)        | 92.5%         |
| Percent Reduction in Greenhouse Gas Emissions from City Operations (Annual)                      | -20.24% (FY 2020)                 | -20%          |
| Percentage of Citywide Tree Canopy Coverage on Public and Private Property (Annual)              | 26.48% (FY 2021)                  | 26.30%        |
| Percent Change in Total Fleet Fuel Consumption (as compared to same period prior year) (Monthly) | -3.47% (Through April 30, 2022)   | -2.00%        |
| Percent of Environmental Permits in Compliance (Monthly – Calendar Year to Date)                 | 99.05% (Through March 31, 2022)   | 98.00%        |
| Proactive Catch Basin Inspections (Monthly)                                                      | 7,463 (Through May 31, 2022)      | 15,526        |
| Percent of Storm Drains Cleaned (Monthly)                                                        | 37.16% (Through May 31, 2022)     | 6.64%         |
| Number of Storm Drains Cleaned (Monthly)                                                         | 4,251 (Through May 31, 2022)      | 760           |
| Number of Catch Basin Repairs (Monthly)                                                          | 294 (Through May 31, 2022)        | 160           |

|                                                                                                |                                   |       |
|------------------------------------------------------------------------------------------------|-----------------------------------|-------|
| Total Linear Feet of Storm Systems Assessed for Condition of Pipe (Monthly)                    | 19,385 (Through May 31, 2022)     | 8,000 |
| Number of Projects Completed in Adaption Action Areas (Annually)                               | 3 (FY 2021)                       | 4     |
| Leaks per 100 Miles of Pipe (Distribution System Integrity) (Quarterly)                        | 10.71 (Through FY 2022 Quarter 2) | 11.3  |
| Breaks per 100 Miles of Pipe (Distribution System Integrity) (Quarterly)                       | 7.14 (Through FY 2022 Quarter 2)  | 9.46  |
| Percent of Days in Compliance with Primary Drinking Water Standards (AWWA) (Quarterly)         | 98.5% (Through FY 2022 Quarter 2) | 100%  |
| Potable Water Produced in Million Gallons per Day (MGD) per Full Time Employee (FTE) (Monthly) | .86 (Through April 30, 2022)      | .28   |
| Wastewater Treated in Million Gallons per Day (MGD) per Full Time Employee (FTE) (Monthly)     | 1.28 (Through May 31, 2022)       | .32   |
| Number of Wastewater Failures per 100 Miles of Pipe (Quarterly)                                | 2.52 (Through FY 2022 Quarter 2)  | 1.26  |