

City of Fort Lauderdale
Infrastructure Task Force Committee
March 7, 2019
2:00 p.m. to 5:00 p.m.
8th Floor City Commission Room – City Hall
Fort Lauderdale, FL 33301

1. Call to Order at 2:04 P.M.:

- Roll Call

<u>MEMBERS</u>		<u>PRESENT</u>	<u>ABSENT</u>
Marilyn Mammano	P	22	1
Ralph Zeltman	P	22	1
Peter Partington	P	3	0
Roosevelt Walters	P	21	2
Fred Stresau	P	19	4
Norm Ostrau	P	20	1
David Orshefsky	P	20	0
Jacquelyn Scott	P	8	0

Staff Present

Joe Kenney, Assistant Public Works Director
Talal Abi-Karam, Assistant Public Works Director
Brandy Leighton, Senior Project Manager, Consent Order
Lorraine Tappan, Principal Urban Planner, Dept. of Sustainable Dev.
Karen Warfel, Program Manager, Transportation and Mobility
Meredith Shuster, Senior Administrative Assistant

2. Approval of Agenda (2:03 P.M.)

Motion to approve the March 7, 2019 Agenda made by Ms. Scott and seconded by Mr. (indiscernible) as amended to allow New Business to precede General Discussion to allow for Consultant and Staff presentation.

Motion approved unanimously by voice vote

3. Approval of February 4, 2019 Meeting Minutes (2:10 P.M.)

Motion to approve the Minutes for the February 4, 2019 meeting with or without corrections by Mr. Walters and seconded by Ms. Scott

Motion approved unanimously by voice vote

4. General Discussion and Comments by Committee Members (3:40 P.M.)

Ms. Mammano handed out a list of her compilation of the three documents from the February 4th meeting regarding the future of an infrastructure advisory board to be included on the record for this meeting.

Ms. Shuster will clarify to the members why some and not all members received reappointment emails and a form to be completed and notarized.

Mr. Ostrau brought to the Committee's attention that the Park bond included Riverwalk and Esplanade Park seawalls. Some members were approached with citizen concerns referencing the way the seawalls are being presented in some of the mailers for the March 12th voting.

It was clarified that the Park Bond money would be used for maintenance issues along the City owned Riverwalk and Esplanade Park. The seawalls were included as part of the maintenance for those two locations only.

Mr. Orshefsky is asking that the backup be presented in separate documents on the website. He is also asking that any responses to ITF requests be made a part of the record for the following meeting.

MOTION: Mr. Orshefsky moved and Mr. Partington seconded that any information requested at the February meeting and subsequently sent out be added to the minutes of the March 7, 2019 meeting.

Motion approved unanimously by voice vote

Further conversation clarified that the intention is for the Motion to be a "matter of practice."

Ms. Mammano requested that the Committee be included in the distribution of the semi-annual report on the progress of the Consent Order provided to the FDEP by Hazen and Sawyer.

Mr. Partington suggested that Hazen and Sawyer give a presentation to the Committee on the progress of the Consent Order and information on the Forcemain Assessment. Discussion then centered on the cost and it was suggested that the Committee should be notified when a presentation is going to be given to the Commission. Committee members can then choose to attend or listen in.

It was agreed by consensus that generally speaking as a matter of practice, anytime a presentation by a consultant or staff is given, that it be placed on the agenda for that meeting in advance of the General Discussion (Item 4).

Mr. Partington brought to the Committee's attention the rising water rates especially experienced in District 1. He asked if the water and sewer bonds were predicated on the annual 5% increase of water rates already in effect and if the future rate increases were included. He expressed the public is becoming much more aware of the infrastructure/water costs.

Mr. Zeltman was at the same meeting in District 1 where the issue was raised. The meter readings in District 1 have been inconsistent. Joe Kenney expressed the issue was raised earlier in the week with the City Manager's Office and the issue is being taken very seriously. Auditing of the meter readings and the bills are moving forward.

Mr. Orshefsky explained the \$1.2 Billion suggested in the Comprehensive Utility Strategic Master Plan (water and sewer) is predicated on five drawdowns of \$200 Million each. The 5% annual increase was used in the financial projection for those drawdowns. He stated the

question remains if the 5% annual increase will still be needed now that the ROI amount is being left in the Water & Sewer Fund. There is a rebate provision in the City Code if the reserve in the Water and Sewer Fund reaches a certain point; however, it was also noted the reserves can also be used for other water and sewer purposes. Increases in operating and/or maintenance expenses are anticipated. If it is decided to use the funds no longer going to ROI to mitigate the 5% increase for a few years, the increase can be brought back if the need arises.

The water and sewer rate study expected in April from the consultant (Stantec) will compare the rates between single family and multi-dwelling units. The study results will be shared with the Committee.

5. Old Business (4:12 P.M.)

A. Discussion of a Potential Infrastructure Advisory Board Committee

The compilation of suggestions from the February 4th meeting was formatted in the manner preferred by the Commission.

Mr. Roosevelt opposed the use of an even number of members. He suggested that in addition to the 2 members by the Mayor and each Commissioner, a member by consensus be added to bring the advisory board to 11 members. The Committee agreed by consensus.

Ms. Scott questioned the use of 4 year terms. The initial suggestion of 4 year terms was suggested so the advisory board's term would run concurrently with the proposed 4 year Commission term and to allow time for the anticipated learning curve. Currently, most advisory boards are renewed annually. Consensus reached in discussion determined a three year term was reasonable with one renewal (up to 6 years total).

Peter Partington suggested having a representative from the Budget Advisory Board and Ms. Scott suggested having a member from the Planning & Zoning Committee. It was pointed out the terms on those boards are 1 and 2 years respectively. In further conversation, Mr. Ostrau suggested the criteria for appointment to this board was too specific. Fewer categories would give the Commissioners more flexibility.

Mr. Orshefsky suggested six categories: Design, Finance, Law, Developer, Engineer and Community Association. If a further breakdown is desired, wording "such as but not limited to," "ideally" or "highly recommend" could be added.

A member suggested use of the word "should" be changed to "may".

Under the section pertaining to duties, Mr. Partington suggested adding the Fort Lauderdale Executive Airport and to include resiliency adaptation, (aka: climate change adjustments, sea level rise adaptations).

No set time frame was decided for reporting to the Commission. The advisory board can make recommendations as they occur. A suggestion to add a "state of infrastructure" was made but not decided.

The Committee asked Joe Kenney to send a redraft to all members for further discussion at the April 1st meeting.

6. New Business (2:11 P.M.)

A. Presentation on Comprehensive Plan Update-Draft Infrastructure and Draft Transportation Elements - Lorraine Tappen, Principal Urban Planner, Urban Design and Planning Division of the City Department of Sustainable Development and Scarlet Hammons, Senior Project Manager of The Corradino Group, Consultant to the City

As background on the City Comprehensive Plan update, it has been retitled to *Advance Fort Lauderdale* to stay within the theme of the *Vision Plan, Fast Forward* and the *Press Play Strategic Plan*. The Comprehensive Plan is a State required document that basically outlines the land use and how that land use is organized and can be utilized. It is a “blueprint” for development and should be based on the goals and objectives of the Community. It consists of several elements (sections). It is updated every ten years.

Initially, an evaluation and appraisal report was done and presented to the Commission. The report was adopted by the City Commission in 2016. In drafting the amendments to the Comprehensive Plan elements, a large public outreach effort occurred in October, 2017. Since that time, the elements are being presented to the specialty boards for each element. This presentation focused on the elements of Infrastructure and Transportation for the ITF’s feedback. Questions raised and answered are inserted in the minutes.

The presentation handed out at the meeting will be attached with the March 7th meeting minutes when posted. A video of the presentation in its entirety can be viewed online at <https://www.fortlauderdale.gov/departments/city-manager-s-office/strategic-communications/fltv> - or the City Website – Click on Government, then FLTV. Scroll down and click on City Public Meetings, choose the March 7th Infrastructure Task Force meeting. The presentation began at approximately 2:12 p.m.)

In response to the question regarding the Land Use element; it is still being drafted.

The Master Plans completed since the last update of the Comprehensive Plan are being used in this update and it was clarified that the Affordable Housing and Economic Analysis and the Design and Construction Manual are still being finalized.

It was asked if Vision Zero had a plan in place. Karen Warfel responded. There is an active Plan and a five year Strategic Plan both endorsed by the City Commission. The Vision Zero Plan was initially adopted by the City Commission in 2014.

It was asked, what the difference was between the Infrastructure and the Capital Improvement elements. Lorraine Tappen explained the Capital Improvement element was a requirement and it included funding. It is complementary to the Infrastructure and Transportation element being addressed today.

In response to a question regarding the George T. Lohmeyer Wastewater Treatment Plant (“GTL”) capacity and the effects improving Infiltration/Inflow (I/I) will have on its capacity; Joe Kenney responded; the Master Plan gives an outline of what is needed over the next twenty years. Hazen and Sawyer, the City consultants for the Consent Order are currently working on a forcemain assessment plan. The Forcemain Assessment Plan will specify the needs between now and 2026. The consultant will also be providing a method of measurement to project the I/I benefits achieved from the current \$33 Million project with actual results to be obtained over time.

Ms. Mammano raised the concern that GTL capacity projected to 2030 and the City’s population and density growth may not be in conjunction with one another. The question was not so much how the capacity of 56.6 million gallons per day was calculated but if that capacity will meet the projected population and commercial growth of the City under its development plan.

City staff will summarize for the Committee the “committed flow” that is tracked through capacity letters and “available flow”. This will be presented at the next meeting as an Informational Item.

A Board Member suggested that the Comprehensive Plan include some method of measuring the progress of projects and the spending for such. It was further suggested a schedule of reporting be added to keep the public informed. The Public Works newsletter “Go Big Go Fast” was used as an example of an approach that could be extrapolated to include the entire City.

The South Florida Water Management District (“SFWMD”) has completed its 10-year water supply plan for the Lower East Coast. The City is currently reviewing this plan with its consultant. The City’s 10 year water supply plan is due in approximately a year (within 18 months of the SFWMD plan).

Wellfields are regulated by Broward County and those regulations are enforced by the City. Environmental review and permitting processes are in place when development is being contemplated near wellfields.

Mr. Partington asked that stormwater drainage standards be checked for consistency amongst the different draft documents. Ms. Mammano asked if the standards in the draft are higher than the current standards. That is being reviewed and will be responded to.

In response to several members’ suggestions concerning the use of natural approaches to mechanical drainage such as swales and pervious materials and the regulation of pollutants in the system, Ms. Tappan mentioned that the climate change element of the Comprehensive Plan will address those issues. It was suggested that the same information be included in the infrastructure element.

Raising roads city-wide was discussed. It is a huge issue with a high price tag. Managing stormwater runoff from an elevated road to the surrounding property will need to be calculated into the engineering of road elevation.

Ms. Mammano suggested doing an overview using LiDar data to show how many city roads would need elevation to meet the 10 year storm level of service. A discussion on how to fund such a project could then be had.

Ms. Tappan informed the Board that revisions needed for long term climate change/resilency issues (rising water tables) can be addressed each 10 years when the Comprehensive Plan gets updated.

Joe Kenney clarified the GIS based monitoring system for tracking maintenance is underway with Hazen and Sawyer for the wastewater system as part of the Consent Order. Plans for water and stormwater GIS based monitoring will be done in the future.

Ms. Hammons of the Corradino Group reviewed the highlights of the Transportation Element. It was asked what “facilities list” means under the Pedestrian Mobility Objective. Mr. Partington suggested that the level of service standards be multi-modal to include alternative mobility.

It was noted that due to State law, the bicycles are on the street and the scooters are on the sidewalks. Changing laws, regulations and technology are variables that are being taken into account.

Ms. Mammano began the discussion that there is a limit on how many uses can be placed within the limited right-of-ways. Priorities may need to be stated as to who or what can be put in the right-of-ways. Zoning and/or end user benefit, changing technology and residential and development growth need to be taken in consideration.

Mr. Orshefsky suggested that a funding source be added for the “Blueways/Water transit” objective listed.

Ms. Mammano suggested a more specific definition (impact fee, assessment fee etc.) be given to “mobility fee” to clarify how it would be assessed and to whom. This would assist the “common reader” in understanding the funding. Ms. Hammons agreed with needing a more specific definition. She replied, once the determination of the mobility needs is made, then the strategy of how to fund would be calculated over the long term and added.

Ms. Mammano requested and granted that the draft of the Capital Improvement element be presented to the ITF at its April 1, 2019 meeting.

Mr. Orshefsky asked if the draft of the Future Land Use element could be sent to the Committee when it becomes available. (3:40 p.m.)

7. Informational Items -None

8. Public Comments (4:04 P.M.)

- Mr. Boyd Corbin of Wilton Manors spoke on water quality from the Fiveash Water Treatment Plant as a water consumer. (Wilton Manors purchases Fort Lauderdale water from Fiveash.) His key points were:
 - i. Showed a photo of the color of his water

- ii. He stated the Reiss Report recommends the use of GAC (Granular Activated Carbon) filtration, but that is not the City's current practice.
 - iii. The use of ammonia corrodes water lines shortening the life span and causing added expense throughout the City.
 - iv. Generally, when using ammonia, it needs to be stopped 3 – 6 weeks a year to get rid of bacteria causing biofilm.
 - v. This is called a free chlorination burn and Fiveash was doing 10 week burns every year. Free chlorination is good because it cleans the water lines of biofilm. It is also bad because it raises regulated toxic chemical levels to six times EPA standards during the burn and also raises non regulated toxic chemical levels.
 - vi. A year ago, he showed the water test results to the Atlanta EPA and about six months ago, the Department of Health was fired from overseeing Fiveash. DEP Palm Beach now oversees Fiveash.
 - vii. Over the last year, the free chlorination burns have gone from 10 weeks to zero with no plans for a free chlorination burn in 2019.
 - viii. The DEP states flushing will help and the City of Fort Lauderdale has several automatic flushing valves that come on nightly; however the cities buying water from Fiveash do not have automatic flushing valves with the exception of dead end flushing.
 - ix. He states he has met people with confirmed bacterial infections from Fiveash water.
 - x. He is asking that the current filter media be replaced with the GAC filtration system well in advance of the report by Carollo Engineers, Inc. (consultants for Fiveash Water Treatment Plant and GAC pilot program)
- Joe Kenney explained that funding for the GAC pilot program was recently approved (February 5, 2019) and the City is addressing this issue. The City may move forward with GAC filtration permanently if the pilot program is successful.

9. Adjournment – Next Regular Meeting April 1, 2019 (4:35 PM)

Motion to adjourn made by Mr. Roosevelt and seconded by Ms. Scott.

Motion approved unanimously by voice vote

**Draft (MM Feb 18 2019)
Report (Communication ??) to the City Commission
From the Infrastructure Task Force
March 7 2019**

Since established by resolution in March of 2017, the Infrastructure Task Force (ITF) has been reviewing the status of and future needs of the City's infrastructure. The ITF was formed during a period of crisis in the City when components of the sewer system were failing. The City and the State entered into a consent order and the City borrowed \$200,000,000 (to be paid for with water and sewer fees) to do emergency repairs and advance critical projects. Since that time the city has undertaken a number of water and sewer projects and progress is being made meeting the consent order. Never the less major components of the water/sewer systems still need to be addressed.

Infrastructure projects are costly, complicated, require long term commitments and constant monitoring. The Commission and ITF have met twice to talk about progress to date and what needs to be done going forward. Our concern is not to lose focus on the issue. There is a need for an ongoing group to continue the work of the ITF and some new tasks going forward. This could be a new Advisory Board, a subcommittee of an existing advisory board, a stand-alone committee, the current ITF with a new resolution or a newly constituted ITF. ?????.

Much, but not all of the ITF mission as described in the original resolution has been accomplished. Three of our four recommendations to the Commission have been adopted in some form.

Insert the recommendations and the action taken including why it wasn't enough. (no park Impact fees, still struggling with ROI and awaiting Rate Studies)

The last recommendation, establishing a % of the General Revenue Budget reserved for capital projects was not acted on in FY 2019 (If the bond referendums pass it could be argued that is a move in that direction as a fixed % of tax revenues will go to two infrastructure projects identified by the ITF as needed.) The ITF identified this recommendation as critical for long range budgeting purposes. Immediate budget priorities will always crowd out long term infrastructure spending without this commitment.

The IFT has been a conduit for public input on infrastructure and supporting the city with public outreach. It should continue to provide this forum. Given the vast amount of information to absorb we recommend that the terms for members be for at least 3 years with two consecutive terms. Members should have a broad spectrum of experience. (See suggested membership) Whatever form the group takes here are what we think should be its job.

1. Continue to monitor and advocate for general revenue funded projects not in the enterprise funds (roads sidewalks sea walls, facility replacements (civic center) ?????)

2. Monitor the progress of existing utility bonds (water/sewer and stormwater and comment on future bond allocations and priority projects (Five Ash, storm water master plan Phase II and III)

3. Tackle new issues like sea level rise, advanced communications, ??????
4. Track budgeting for CIP Projects to prevent abandonment
5. Monitoring the progress of bond projects as assigned by the City Commission
6. ??????

Infrastructure Task Force Presentation

March 7, 2019

Today's Agenda

- What is the Comprehensive Plan?
- Evaluation Appraisal Report Recommendations
- **Infrastructure Element**
- **Transportation Element**
- Project Timeline



What is a Comprehensive Plan?

The Comprehensive Plan is the City's blueprint for existing and future development.

The plan's goals, objectives and policies reflect:

The City's vision for its future, and how it will meet the needs of existing and future residents, visitors, and businesses.



Source (Top and Bottom): City of Fort Lauderdale Urban Design and Planning Division



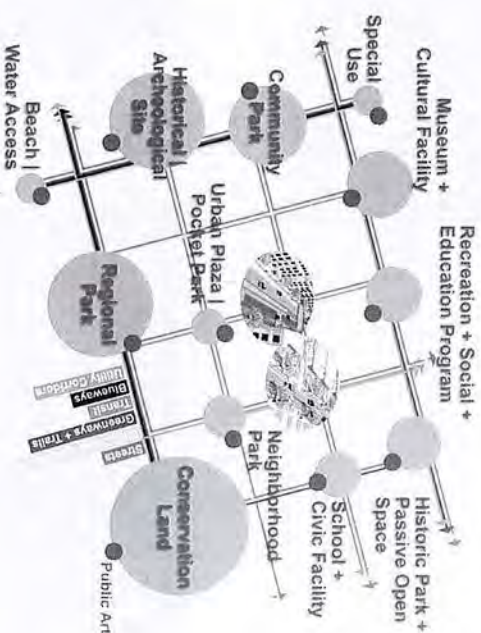
Comprehensive Plan Timeline Update

Evaluation and Appraisal Report (EAR) of Comprehensive Plan

- EAR Public Workshop – February 11, 2015
- Planning and Zoning Board - November 18, 2015
- EAR adopted by City Commission - February 2, 2016

EAR-Based Amendments to Comprehensive Plan

- First Public Workshop – October 24, 2017
- Presentation to Sustainability Advisory Committee - May 21, 2018
- Presentation to Economic Development Advisory Board - June 13, 2018
- Presentation to the Park, Recreation and Beaches Board - June 27, 2018
- Presentation to the Historic Preservation Board – December 3, 2018
- Presentation to the Education Advisory Board – December 20, 2018
- Presentation to the Affordable Housing Advisory Committee – January 14, 2019
- Presentation to the Infrastructure Task Force – March 7, 2019



Updating Fort Lauderdale's Comprehensive Plan

Existing Master Plans, Studies and Reports

- Press Play and Fast Forward**
- Wastewater Infiltration and Inflow Plan**
- Stormwater Master Plan**
- Comprehensive Utility Strategic Master Plan**
- Downtown and New River Master Plan
- Central Beach Master Plan
- Northwest Regional Activity Center Design Guidelines
- Sustainability Action Plan
- Parks Master Plan

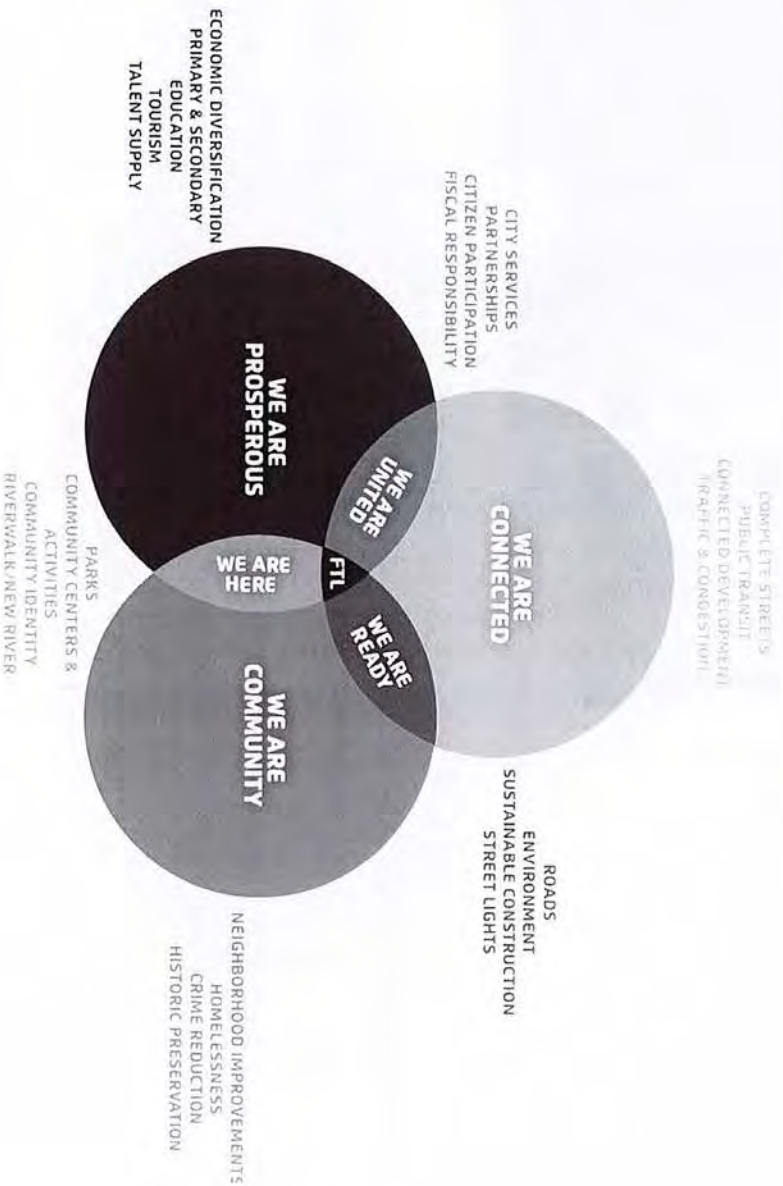
- Connecting the Blocks**
- Complete Streets Manual**
- Vision Zero**
- South Andrews Avenue Master Plan
- Neighborhood Design Criteria Revisions (NDCR)
- Uptown Urban Village Plan
- Affordable Housing and Economic Analysis
- Design and Construction Manual



EAR Recommendations

Considerations:

- Public Participation
- **Advisory Board Feedback**
- Integrate various Master Plans, Studies and Reports
- Broward County Land Use Plan Update (BrowardNext)
- Recommendations from the Evaluation and Appraisal Report



What goes into a Comprehensive Plan?

Existing Elements

- Administration and Implementation
- Future Land Use
- Infrastructure**
- Housing
- Historic Preservation
- Transportation**
- Conservation Coastal Management
- Parks and Recreation
- Education
- Intergovernmental Coordination
- Capital Improvements
- Solid Waste

New Elements

- Climate Change
- Urban Design
- Economic Development



Infrastructure Element

OBJECTIVE SWS 1.1: Wastewater Service Provision

- Level of service (LOS)
 - FDEP Permitted Capacity of the facility.
 - LOS measured by average daily flow.
- Review for development and redevelopment:
 - Requested sewer demand based upon the Guidelines for the Calculations of Sanitary Sewer Connection Fees.
 - Committed flows for previously approved projects.
 - Impacts on relevant collection pipes, pumping station, and wastewater.
 - Recommended improvements .



Infrastructure Element

OBJECTIVE SWS 1.2: Maintain Wastewater Capacity and Resilient Operations Based Upon the Utility Strategic Master Plan

- Maintain a maximum 3 month average flow capacity of 56.6 Millions of Gallons/Day(MGD) - adequate to 2030
- The base wastewater unit flows used in the 2017 Utility Plan are:
 - 70 gallons per capita per day (gpcd) for residential
 - 30 gpcd for non-residential uses (increasing by 2.5 gpcd every 5 year)
- Reduce risks related to sea level rise and climate change to the City's wastewater system by protecting pump stations from flooding, loss of electrical power, and saltwater intrusion into GTL



Infrastructure Element

OBJECTIVE SWS 1.3: Wastewater Improvements for Future Needs

- Reduce inflow and infiltration with collection systems to reduce capacity expansion costs.
- Create a project to monitor inflow and infiltration by 2021.

OBJECTIVE SWS 1.4: Conversion from Septic to Sanitary Sewer

- Continue to convert, based on 2017 Utility Plan and WaterWorks 2011 program.
- Provide extensions of wastewater system
- Require use of private wells or septic tanks to be discontinued within 90 days of date of service availability

OBJECTIVE SWS 1.5: Economically Feasible Expansions

- Upgrade and replace major plant components on a continual basis
- Energy efficient design and operations for City wastewater facilities



Infrastructure Element

OBJECTIVE SWS 2.1: Meet Water Level of Service Demand in Efficient, Economical and Environmentally Sensitive Manner

- The LOS for water shall be 197 gallons per capita per day.
- Continue to use conservation strategies to reduce water demand to 170 GCPD through 2028
- Maintain and adhere to 10-year water supply plan
 - Update Water Supply Plan within 18 months of Lower East Coast Water Supply Plan Update



Infrastructure Element

OBJECTIVE SWS 2.2: WATER SUPPLY SYSTEM

- Daily potable water pressure shall be maintained up to 90 pounds per square in of pressure (psi).
- Rehabilitate prioritized pipeline on a yearly basis as recommended in the Utility Plan.
- Water supply and distribution mains must assure adequate flow for both fire fighting and consumer needs.
- Create a redundant system to maintain reliability.

OBJECTIVE SWS 2.2: Water Service to Adjacent Jurisdiction

- Ensure maintenance of interlocal agreements
- Monitor wholesale water use through monthly meetings and reports



Infrastructure Element

OBJECTIVE SWS 3.1: Promote Water Conservation

- Maintain new construction codes that require water efficient construction
- Encourage conservation:
 - Public education
 - Appliance rebates
 - Florida friendly landscaping
 - Leak detection programs



OBJECTIVE SWS 4.1: Long Term Water Supply Enhancement Strategies

- Pursue C-12 and C-13 canal interconnect project to improve North Fork of the New River and recharge of the Biscayne Aquifer
- Continue to evaluate satellite wastewater treatment and reuse and saltwater intrusion barrier



Infrastructure Element

OBJECTIVE SWS 4.2: Focus System Upgrades and Expansion

- Extend service on a cost-feasible basis and prioritize
 - Maintenance in existing neighborhoods
 - Affordable housing development
 - Redevelopment or infill development located in:
 - Transit oriented corridors
 - Regional activity centers
- Extension and expansion of service capacity shall be consistent with the City's adopted Comprehensive Utility Plan and its standards.

OBJECTIVE SWS 5.1: Wellfield Protection

- Coordinate with Broward County to adopt new policies
- Monitor activities at Fort Lauderdale Executive Airport
- Sample groundwater in vicinity of potential industrial contamination annually
- Install Interconnects for recharge of Peele-Dixie and Prospect wellfields

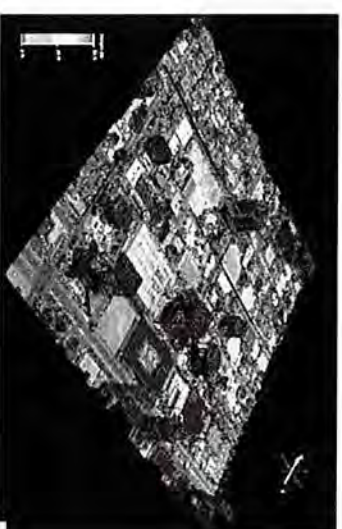


Infrastructure Element

OBJECTIVE SWS 6.1: Ensure adequate Stormwater

Drainage

- New development and redevelopment shall provide on-site retention and treatment of the first inch of stormwater runoff
- Buildings will have floor elevation no lower than the elevation in the 100 Year Flood Elevation map
- Ensure the following storm designs are established for drainage facility capacity:
 - Public road elevation: 10 year, one-day storm event.
 - Finished Floor elevation: 100 year, three-day storm event.



Infrastructure Element

OBJECTIVE SWS 6.2: Flood Insurance

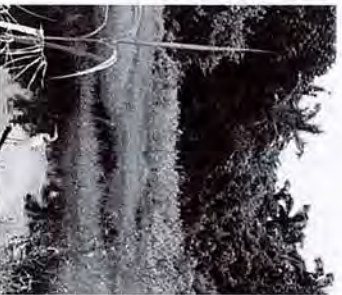
- Participate in the Federal Emergency Management Administration Program

OBJECTIVE SWS 6.3: Federal National Pollution Discharge Elimination System

- Continue to participate in Federal National Pollution Discharge Elimination System (NPDES MS4) permitting program administered by the Florida Department of Environmental Protection (Florida DEP)
- Utilize Parks and Open Space land use designations to protect open natural areas for drainage

OBJECTIVE SWS 6.4: Future Drainage Needs and Improvements

- Support financing and implement the recommendations of the 2012 Enhanced Local Mitigation Strategy and the City's Stormwater Master Plan.



Infrastructure Element

INFRASTRUCTURE COORDINATION AND LONG TERM MAINTENANCE

OBJECTIVE SWS 7.1: Roadway Projects

- Continue to coordinate with FDOT and the Metropolitan Planning Organization (MPO) on City water and wastewater capital improvements so that efficiencies can be achieved with programmed roadway projects.

OBJECTIVE SWS 7.2 Utility (Sanitary Sewer, Water, Stormwater) Asset Management

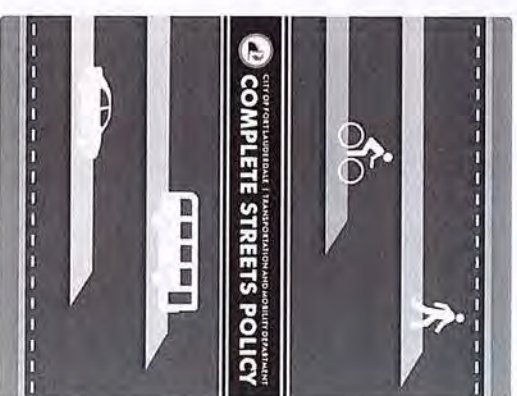
- GIS-based monitoring system for tracking maintenance and project life-cycle cost



Transportation Element

OBJECTIVE TM 1.1: Mobility

- Develop Master Plan, and update every 5-7 years..
- Continue to evaluate emerging technology and associated infrastructure.
- Determine gaps in connectivity and alternatives means to infill a "Complete Network"
- Redesign streets for safety as needed and for Complete Streets implementation.
- Explore pedestrian and bicycle Level of Stress as a new evaluation measure.
- Evaluate a potential multimodal level of service standard.



Transportation Element

OBJECTIVE TM 1.2: Vision Zero

- Strive to achieve zero traffic fatalities and severe injuries through the following strategies:
- Prioritize improvements based on vulnerable users, at risk populations including schools, after care facilities, parks, and healthcare facilities.
- Prioritize safety investments for the most vulnerable users first with pedestrians and bicyclists as first priority, and motorists second.
- Incorporate safety considerations in the annual prioritizing of local road improvement funding.
- Provide focus for engineering, enforcement, education, encouragement, and evaluation measures



EDUCATION



ENFORCEMENT



EVALUATION



Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Total	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25
Motorists	70	65	60	55	50	45	40	35	30	25	20	15	10	5	0	0
Pedestrians	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Bicyclists	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Other	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10



ENCOURAGEMENT



ENGINEERING



Transportation Element

OBJECTIVE TM 1.3: Pedestrian Mobility

- Develop and implement prioritized facilities list
- Reduce number of missing links
- Ensure well-lit streets and intersections
- Prioritize safety

OBJECTIVE TM 1.4 Bicycle Mobility

- Develop and implement prioritized facilities list
- Reduce number of missing links
- Implement more bicycle parking as appropriate
- Construct LauderTrail
- Prioritize safety



Transportation Element

OBJECTIVE TM 1.6: Level of Service for Roadways

- SIS Roads and Connectors: LOS D (per Broward County)
- Broward County and Non-SIS State Roads:
 - Eastern Core District: the LOS standard shall be "E"
 - Port/Airport District: the LOS standard shall be "D"
 - Central Districts: the LOS standard shall be "D"
- Local Roads: All other roads within Fort Lauderdale will be maintained at LOS D.



Transportation Element

OBJECTIVE TM 1.7: Transit

- Support the development of new transit routes
- Regularly evaluate needs of improvements and transit infrastructure
- Coordinate with existing and future regional transit (i.e. Brightline, Tri-Rail)
- Ensure ADA compliance
- Develop Transit Master Plan
 - Evaluate first-last mile transportation needs

OBJECTIVE TM 1.5: Blueways/Water Transit

- By 2023, establish and begin to implement a Blueways System Plan
- Support and develop water transportation systems infrastructure



Transportation Element

OBJECTIVE TM 1.10: Airport and Seaport

- Maintain and update FXE master plan every 5 years
- Enforce FAA rules for development within one mile of the airports
- Review potentially incompatible land uses near airports and the port
- Continue to support improved transit connections to airport and port




Transportation Element

OBJECTIVE TM 2.2: Funding

- Evaluate the need for a mobility fee.
- Explore grants and other funding sources.
- Annually identify infrastructure and other transportation projects for the Broward County Transportation Surtax.
- Secure funding for traffic operations improvements with particular emphasis on fully developed roadways such as US 1, Broward Boulevard, Davie Boulevard, Sunrise Boulevard etc.



Project Timeline

	
Comprehensive Plan Draft Framework	March 2018
Community and Stakeholder Meetings	May 2018 – March 2019
Second Draft	April 2019
Public Workshops	May/June 2019
Planning & Zoning Board	July 2019
City Commission	September 2019
Broward County Planning Council	October 2019
Broward County Commission	November 2019
State and other agency reviews	December 2019 - February 2020
Final Plan Adoption	March 2020



Discussion

Questions and Comments?



Thank You

For Additional Comments and Questions, please visit:
<http://www.fortlauderdale.gov/comprehensiveplan>

Join our list to keep involved, receive updates and come to our workshops throughout the process!

Drop us a note:

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