



**CITY OF COOPER CITY
CITY COMMISSION**

**INFRASTRUCTURE
WORKSHOP MINUTES
MARCH 26, 2019 at 6:30 PM**

1. Pledge of Allegiance

Commissioner Green Opened the meeting at 6:30 PM and led the assembly in the Pledge of Allegiance.

2. Roll Call

Present were Commissioners Pulcini, Meltzer and Green. Commissioner Curran and Mayor Ross were absent.

Interim City Manager advised at the January 8, 2019 Commission Meeting then Interim City Manager Elaineor proposed a number of Workshops to discuss a number of issues. Mrs. Sims advised that Public Works Director Denise Yoezle and her team of Richard Freeman, Capital Projects Coordinator, Tim Fleming Parks Operations Supervisor and Jeanette Wolford Operations Supervisor and Arborist will be presenting on street light maintenance, asphalt repair and resurfacing, sidewalk repair and replacement and tree trimming and preservations. This is only the beginning and we can revisit these items in the future as well.

3. Public Comments (four minutes each)

Doug and Michael Millaro, 8951 Stirling Road spoke on a violation they received at Lil Rascals Academy about an outstanding permit from 2005 and is not sure how this issue happened. They asked for Commission for help or an extension as they will be on the next Special Magistrate agenda.

Commissioner Pulcini asked Staff to contact the Building Department and would like to receive a timeline of events on the issue.

Commissioner Green advised the Commission cannot take any action when the issue is going through the Magistrate process but City staff can contact them.

4. Public Works

- a. Asphalt Resurfacing
- b. Sidewalks
- c. Streetlights
- d. Trees

Public Works Director Denise Yoezle presented a PowerPoint about Streetlights. Mrs. Yoezle advised of the average annual budget the past 5 years. Mrs. Yoezle spoke about expenses and the average annual 5-year budget for street lights. She also advised that the City takes care of 374 streetlights, the county maintains 78, and FPL maintain 1,648. Public Works also does a monthly street light inspection to address any outage concerns.

Commissioner Pulcini asked about replacing the current bulbs with LED bulbs and if that option has been looked into.

Mrs. Yoezle advised it's in the multimillion dollar range and would require an agreement with FPL but it would be cost beneficial in the long run.

Commissioner Meltzer asked for an analysis with information on the LED lights.

Commissioner Green asked if we ever exceed the money we receive from FDOT.

Mrs. Yoezle answered no.

Richard Freeman spoke on resurfacing history. We currently have 136.4 lane miles of road in Cooper City and 64.4 Center lane miles. Over the past 18 years we have resurfaced 67.06 miles of roadways. A Paving Condition Index was done in 2016 and conditions have mostly remained the same. The PCI score helps a City determine where they are with asphalt infrastructure. The PCI rating for Cooper City is 79 which is satisfactory and good condition. In addition to the PCI, other analytical tools are used in our formula to determine our resurfacing priorities including PCI, Maintenance History, Visual Inspection, Volume of Traffic and Budget. Based on all those elements the City can lay out a plan for future resurfacing areas. Fiscal Year 2019 included Summertime Isles North its PSI rating was a 49. Mr. Freeman provided a list of asphalt overlay areas for the next 5 years. Stirling Road from Palm Avenue to Flamingo Road is proposed in 2020.

Commissioner Meltzer asked if there any state or federal grants available.

Mrs. Yoezle answered no.

Commissioner Pulcini asked about MPO funds.

Mrs Yoezle said there are none available for resurfacing.

Commissioner Green asked if the County provides any payment for resourcing of Stirling Road.

Mrs. Yoezle said no the County does not maintain Stirling Road.

Commissioner Green asked about Griffin and Sheridan.

Mrs. Yoezle advised Griffin is maintained by FDOT and the county maintains Sheridan Street. The state also maintains Flamingo Road.

Commissioner Pulcini asked who maintains Stirling Road before and after it enters Cooper City.

Mr. Freeman advised in the Town of Davie starting at University and heading East is maintained by the State. At University heading West to Palm is maintained by the county.

Commissioner Pulcini asked why we maintain the street.

Mrs. Yoezle advised its always been considered a local road. Mrs. Yoezle advised the City has many conversations with the County about Stirling Road with the County with no avail.

Commissioner Meltzer asked about 106th Avenue and if guardrails and street lights are included.

Mrs. Yoezle advised its costs for resurfacing only.

Commissioner Meltzer also asked about Davie sharing costs.

Mrs. Yoezle advised the entire roadway belongs to Cooper City.

Mr. Freeman also advised asphalt and concrete services when out to bid.

Tim Fleming spoke about the sidewalk replacement program. He spoke on repairs and replacements since 2012. He advised Public Works worked from the West to the East side of the City. They are currently working across from Pioneer and will move into Timberlake next year and then return out to the West side of the City. Cooper City maintains 108 miles of sidewalk. Most damage to the sidewalks are caused by tree roots and boats and lawn trailers. He also advised of grinding sidewalks in some cases and that can help with replacement issues. In certain cases, they can root prune around the sidewalks to help prevent damage. Also this year Public Works started a plan review process prior to contractors working to make sure no damage occurs.

Commissioner Pulcini asked what the cost is of replacing and grinding the sidewalks.

Mr. Fleming advised grinding is done in house, over the last 5 years Public Works has grinded 1,596 sidewalks in the City and the average over 5 years' costs \$4,600. We currently pay \$3.95 a square foot for a 4-inch sidewalk, and a 6-inch slab is \$4.75.

Commissioner Meltzer asked which trees that are on the approved list are damaging the sidewalks.

City Arborist Jeanette Wolford advised that its unpredictable and unique. She said the larger canopy trees Oaks, Black Olives, and Mahogany's. She also advised the size of the swale also plays a part.

Commissioner Meltzer believes that fixing the streets and sidewalks is not addressing the main issue which is the trees causing the damage. He wants to take everything into consideration to prioritize with resident input and address all concerns.

Jeanette Wolford advised she does do removals when needed.

Commissioner Meltzer also thanked Mr. Fleming for the idea of checking the sidewalks before the permits are pulled.

Mrs. Wolford advised FDOT does set the standards for the clearance over the roadways and sidewalks. She also spoke of the tree inventory here in the City. There are 12,185 trees in non-private residential communities, city parks and city facilities.

Commissioner Meltzer asked if we have a running inventory of tree species.

Mrs. Wolford said that they do have the data it's just a matter of inputting the information.

Commissioner Green asked how long Mrs. Wolford has served as the City's Arborist and asked if in her experience has there been an overwhelming amount of voices asking to replace the trees.

Mrs. Wolford answered 18 years and she would not say an overwhelming amount but beliefs there is a high tolerance for the trees because they enjoy the tree canopies.

Commissioner Green asked if there are any trees that are less invasive and can still provide the canopy over the streets.

Mrs. Wolford answered typically no the larger shade trees require a larger root system. She also advised swale size plays a part. Commissioner Green asked the percentage of communities that have canopy trees.

Mrs. Wolford answered about 90% of the City has the canopy trees.

Commissioner Meltzer asked about the tree types in the City and if they are considered canopy.

Commissioner Pulcini asked about the new developments planting palm trees in the swales.

Mrs. Wolford advise that the new developments are not permitted for Palm trees in the swales and will occupancy the Commissioner to look.

Mrs. Wolford spoke on Chapter 25 Development Standards which tells the developers what they have to follow and this is the section that includes the allowed swale trees.

Commissioner Pulcini asked if the County can plant palm trees in swales.

Mrs. Wolford answered that in unincorporated areas she's not sure if they can plant any trees in swale areas.

Mrs. Wolford also spoke on palm trees and the cons of the trees.

Commissioner Meltzer asked in Mrs. Wolford what Palm trees have invasive roots.

Mrs. Wolford answered none, and it depends on the swale area.

Commissioner Meltzer would like to look into what palm trees are less invasive for the residents who enjoy Palm trees. He also said that Queen Palms seem to be less invasive and could be a potential tree to look into.

Mrs. Wolford reviewed Chapter 18 Tree Preservation and advised Broward County would have to recertify our Ordinance if we make any changes to it.

Commissioner Pulcini asked if Mrs. Wolford if she knew the limits of changes that are allowed.

Mrs. Wolford answered that we cannot be less restrictive than their preservation Ordinance.

Commisioner Meltzer asked Mrs. Wolford for a copy of the County Ordinance. He also asked why some swales have no trees.

Mrs. Wolford advised the code reads the trees should be placed every 30 feet on center.

City Attorney Horowitz advised that requirements may be specific to Site Plans.

Mrs. Wolford advised that some communities didn't have site plans.

Mrs. Wolford spoke on Permitting revisions for A, B, and C category trees in swales.

City Attorney Horowitz read the Code in regards to street, swale and landscape requirements for site plans.

Commissioner Meltzer thanked the Public Works team for their presentations and asked if backup could be provided prior to the meeting next time for better review.

Commissioner Pulcini asked for an electronic copy.

Commissioner Green thanked the Public Works team.

5. Utilities

Assistant Utility Director Jim Molaschi read a summary report on the status of the City's water, sewer, and storm water infrastructure provide by Utilities Director Mike Bailey. Mr. Bailey provided grades not based on a detailed analysis of the systems, but on his knowledge and experience of these systems. Mr. Molaschi advised about the City's water distribution system and the most vulnerable pipe material in the City's system was replaced in 2014-2017 with HDPE pipe and polyethylene service lines. The water distribution system meets all federal, state, and local standards. Future needs for the City include Replacement of the remaining PVC Schedule 40 water mains, as that material is not water main quality pipe and is susceptible to breaks. The total quantity is estimated at less than one mile of pipe, total, at only a few locations in the City at an estimated total of \$500,000. Continued replacement of approximately 6,600 old, manual-read water meters with new electronic water meters at an estimated total of \$1.45 million. Installation of backflow prevention valves (BFP) for any service connection that is not equipped with one, and replacement of BFP's that are over 10 years old, in accordance with the City's cross-connection control plan and Florida regulations. This is proposed to be done over the next 5-7 years with an estimated total of \$500,000.

Commissioner Green asked about the electronic water meters and the replacements that were defective as well.

City Attorney Horowitz advised they have drafted a letter for the Utility Director to provide the vendor. He also advised we are still working with the vendor and their work does have a 10-year warranty.

Commissioner Meltzer said that we have 4 leaks in the past year which is great compared to the average and thanked Utilities on a great job. He asked about the replacement of PVC schedule 40 pipe at a cost of \$500,000 and what is the time frame on that project.

Mr. Molaschi advised most of those pipes are at commercial locations and would have to work around the stores hours and the \$500,00 is a total cost.

Commissioner Meltzer asked about the meters that need replaced if they are budgeted and if the BFP's are a total cost or an ongoing expense.

Mr. Molaschi answered that those are done in house and probably based on the cost times the meters needed.

Commissioner Meltzer asked what we can look forward to replacing for BFP'S.

Mr. Molaschi answered around 100,00 a year.

Commissioner Pulcini asked if this can be taken from the Enterprise Fund and still lend the General Fund money.

Mr. Molaschi did not have that information.

Commissioner Green asked about the water main replacement and the cost to the City.

Mr. Molaschi said the City replaced 20 miles of pipe, first year totaled \$1 million, 2nd year totaled \$5 million and the third year was \$6 million.

Mr. Molaschi advised of the City's wastewater collection & transmission system. The City's sewer pumping stations are also fair to good condition, depending on their age, which ranges from brand new to 40 years. The lifespan of a sewer pump station is 40 years; after which it must be rehabilitated or replaced. The City has rehabilitated 11 of its 83 stations since 2010 at a cost of approximately \$1.95 million, and 12 more stations are programmed for rehabilitation through 2024. The following are recommendations for future investments in the City's wastewater infrastructure. Increase gravity sewer collection system rehabilitation funding \$300,000 to \$500,000 per year, over the next five years. Continuing the programmed rehabilitation of 12 pump stations through 2024. This doesn't include routine replacement of pumps, motors, and appurtenances, which is considered maintenance estimated total of \$3.3 million. Construct a new forcemain on 90 Ave to re-route the discharge of 6 pump stations to the repump station at the Public Works compound with an estimated cost at \$700,000.

Commissioner Pulcini asked if the price of the pumping stations went up.

Mr. Molaschi advised each system is a different price.

Commissioner Meltzer asked if the replacement of stations will be ongoing.

Mr. Molaschi advised it's in the master plan and it could be two to three stations a year.

Commissioner Meltzer also asked if the gravity sewer system rehab is an ongoing as well.

Mr. Molaschi advised yes it is ongoing and its important issue to address.

Commissioner Meltzer said it's important to get resident input on these issues in the future.

Mr. Molaschi advised on the storm drain system.

Commissioner Pulcini asked why records are not sufficient to determine the percentages of each material.

Mr. Molaschi said that we never collected paving and draining as belts.

Mr. Molaschi advised the capacity of the storm drain system is sufficient for storm events for which it was designed, particularly once the Natalie's Cove / Flamingo Townhomes drainage improvement project is completed. This capacity can be affected by debris deposited in the system, and depends on the City's annual cleaning program to remove the debris. The condition of the system is fair to good, with the average pipe age estimated at 30 years, drainage system piping is considered to have a lifespan of 75 to 100 years. Approximately 40% of the City depends on swale drainage and is not directly served by positive drainage systems. The level of service adopted by the City is that roads are clear of standing water within 24-48 hours after the end of a rain event, and that no hazardous conditions exist within the City due to standing water. There are no reports on record of such conditions and so there are no capital improvement projects planned related to storm drainage

Commissioner Pulcini asked why the system needs repair and replacement if it has a 100-year lifespan.

Mr. Molaschi some of the old materials don't have a 100-year lifespan and it also depends on the ground soils.

Commissioner Meltzer asked about spending money moving forward on upgrading the system.

Mr. Molaschi answered costs for cleaning.

Commissioner Meltzer asked when the Natalie's Cove / Flamingo Townhomes drainage improvement project will be completed.

Mr. Molaschi estimated a time of a few months.

6. Commission Discussion

7. Public Comments (two minutes each)

Fernando Nunez, spoke on his concerns with sidewalks and the need for replacement.

Commissioner Green thanked Mr. Nunez for his comment and advised that the City is continuing to replace the sidewalks and that he can contact Public Works anytime to report issues.

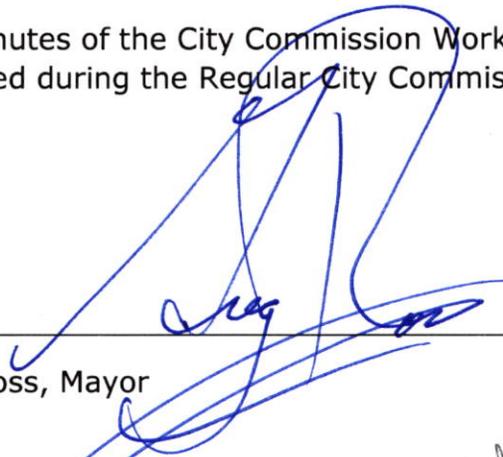
Commissioner Meltzer spoke on this being the first step in moving forward to long term infrastructure plan. With a projection of annual property tax and fire assessment revenue on vacant land and BSO we have to look at the budget and determine the needs of the residents and wants residents to be vocal with their needs and concerns. He thanked everyone for coming.

Commissioner Green thanked staff for the presentations and these presentations showed the work that the employees do daily on behalf of the residents.

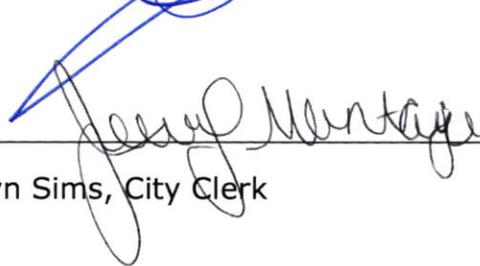
8. Adjournment

The meeting adjourned at 8:08 PM.

The minutes of the City Commission Workshop Meeting of March 26, 2019 were approved during the Regular City Commission Meeting of June 18, 2019.



Greg Ross, Mayor




Kathryn Sims, City Clerk

NOTICE: This meeting is open to the public. In accordance with the Americans with Disabilities Act of 1990, all persons who are disabled and who need special accommodations to participate in this meeting because of that disability should contact the Office of the City Clerk, 954-434-4300 ext. 220, not later than two days prior to such proceeding. One or more members of the City of Cooper City Advisory Boards may be in attendance and may participate at the meeting. Anyone wishing to appeal any decision made by the Cooper City Commission with respect to any matter considered at such meeting or hearing will need a record of the proceedings and, for such purpose, may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Agenda items may be viewed online at www.coopercityfl.org or at the Office of the City Clerk, City of Cooper City, 9090 SW 50 Place, Cooper City, Florida, 33328, 954-434-4300.