



City of Marco Island

MEMORANDUM

Date: February 20, 2026
To: City Council
Through: Casey Lucius, Ph.D., Interim City Manager
From: Justin Martin, P.E., Director, Public Works
Subject: Public Works Departmental Report – February 2026

The City's public works department has 14 dedicated employees that administer, repair, and maintain the city's public infrastructure including traffic signals, streetlights, roads, sidewalks, swales, street signs, stop signs, median landscaping and irrigation, city street trees, storm sewer drainage, and bridges. The department manages design, permitting, construction contracts, infrastructure maintenance contracts, governmental compliance, traffic operations, and serves as liaison and support to the Waterways Advisory Committee and the Hideaway Beach Special Taxing District Board. The department responds to island resident concerns regarding infrastructure, prepares projects for public bidding and has a major role in solicitations for consulting and annual service contracts.

The following summarizes the department's operations over the month of January:

Public Works Capital Projects Overview:

N. Collier Blvd./N. Barfield Dr. intersection

- Traffic signal poles and arms have been removed.
- Foundations for the new traffic signal poles have been poured.
- All potable water and reclaimed water main installation is complete. Flushing, testing, and service connections will be done the coming weeks.
- Both southbound and northbound lanes are currently open to traffic; however one southbound lane on Collier Blvd is scheduled to be closed temporarily from February 25 through March 11 to accommodate demolition and reconstruction of the medians to accommodate the lengthening of the turn lanes.
- The project is on schedule and on budget.
- Estimated project completion remains at the end of September 2026.

Public Works Facility at the South Water Treatment Plant

- Architectural plans will be completed at the end of February.
- Bidding: Mar 2026 – Apr 2026
- Construction: June 2026 – June 2027

Collier Alternate Bike Lanes

- Contractor is mobilizing machinery and materials
- Bike lane construction will commence on Swallow Ave.
- FDOT required project information signs are being posted on Swallow Ave.
- Construction: Mar 2026 – Dec 2026

Canal Aeration Pilot

- Water testing May 2026 – Sep 2026 (after diffuser installation).
- Canal water dissolved oxygen (DO), temperature, conductivity, oxidation-reduction potential (ORP), depth, and aerator airflow will be tested.
- Results and report expected later this year

Traffic Signal Control Replacements

- Design: Completed
- Bidding: Feb 2026 – Mar 2026
- Construction: April 2026 – Oct. 2026

Pedestrian Safety Improvements

- The first pedestrian safety project consists of two new crosswalks:
 1. *S. Heathwood Dr. at Andalusia Ter.*
 2. *N. Barfield Dr. between Wavecrest Ct. and Piedmont Ct.*
- Contract has been awarded
- Construction: Mar 2026 – Aug 2026
- Further pedestrian safety improvements are included in the traffic signal control replacements project.

Sand Hill St. Shared Path

- Construction is underway and will be completed by Aug 2026

2026 Annual Street Resurfacing (Paving)

- Bidding: March 2026 – April 2026
- Construction: June 2026 – Oct – 2026.
- Roads planned to be paved pending bidding:
 1. Neil Bahr Way (Park Ave. to W. Elkcam Cir.)
 2. Tripoli Ct.
 3. Antilles Ct.
 4. Fruitland Ave.
 5. Hartley St.
 6. Admiralty Ct.
 7. Hunt Ct.
 8. Strawberry Ct.
 9. Marquesas Ct.
 10. Wales Ct.

Paving Repairs

- This project will correct some of the pavement dips/depressions and manhole bumps throughout the island.
- Construction is underway and will be completed by June 2026

Caxambas Ct. Bridge Replacement

- 90% plans: May 2026; construction funding agreement between city and FDOT must be executed by May 2026
- Funding is needed for this project (transportation bond via referendum?)
- 100% plans: Sep 2026
- Bidding: Nov 2026 – Jan 2027

- Construction: Mar 2027 – Mar 2028

S. Barfield Dr. Flood Remediation

- Design to be completed in Mar 2026
- Bidding: April 2026
- Construction: June 2026 – May 2027

Exfiltration Swales (Winterberry Dr.)

- Design to be completed April 2026
- Bidding: May 2026 – Jun 2026
- Construction: Aug - Dec 2026

Bald Eagle Dr. Bike Lanes

- Design to be completed March 2026
- Bidding: May 2026 – July 2026
- Construction: Oct 2026 – Aug 2027

Swallow/Huron/Panama Exfiltration Swales

- Design to be completed Apr 2026
- Bidding: May 2026 – June 2026
- Construction: July 2026 – Jan 2027 (pending funding)

Tidal Flushing/Canal Interconnects

- Bids rejected 2024
- Additional funding is still needed
- Re-bid and construction TBD pending additional funding

N. Collier Blvd/N. Barfield Dr. Intersection Improvements

First Phase – Underground Utilities

- New underground water and reclaimed water mains installed. Testing and service connections to follow.
- 18" diameter storm pipe under Barfield Dr. will be replaced.

Second Phase – Roadway and Traffic Signal Improvements

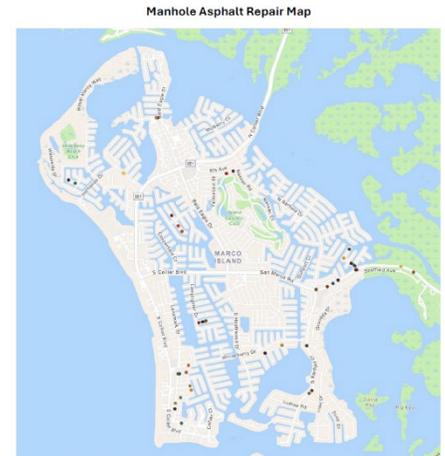
- Roadway improvements include median reconstruction on Collier Boulevard and widening of Barfield Drive for new through lanes, and replacement of three traffic signal poles, arms, signals, and controllers.
- Roadway work is scheduled from late February through August 2026.
- Traffic signal poles and arms have been removed. Foundations have been poured for new poles.

Final Phase – Restoration and Closeout

- Final restoration and project closeout are scheduled from late August through September 2026, with final completion by the end of September 2026.

Roadway Asphalt Inlay Repairs

This project will mitigate some of the pavement settlement issues that have caused bumps at manholes and dips over the sanitary sewer, resulting from insufficient compaction during the septic tank replacement project from 2005 to 2012. This project consists of locally milling, repaving, and compacting pavement around affected manholes, as well as filling roadway depressions to improve overall ride quality and safety. While this work will not resolve all settlement-related issues, it will mitigate several of the most significant problem areas until those roads can be repaved. City Council approved the contract award for this project at the 12/8/25 meeting. Construction is underway and will be completed by June 2026.



Collier Alternate Bike Lanes

This project is an FDOT-funded initiative that adds seven-foot-wide bicycle lanes on each side of the road on Peru St. to Seagrape Dr., and Swallow Ave. These improvements are intended to enhance multimodal connectivity, increase cyclists' safety, and support the City's transportation and mobility goals.

The contractor is mobilizing machinery and materials. Construction will start on Swallow Ave. The project will be completed by December 2026.

Sand Hill St. Shared Path

Construction is underway. New path connections were made to the Calusa park shared path at the intersection of Winterberry Dr. and Sand Hill St. The contractor is making steady progress.



Advisory Committee Support

In addition to the above projects, PW staff attends and supports the Waterways Advisory Committee and the Hideaway Beach Tax District Board including the preparation of meeting agendas and minutes, conducting research, updating the city website related to committee functions, coordinating among committee members, attending additional meetings, and responding to requests.

Water Quality Action Items

The following table lists the water quality action items being considered or performed by the city. The items appearing in gray text are not recommended, not feasible, and not implemented.

WQ Action Item	Cost	Status
dredging	\$30M (\$6M/yr x 5yrs)	coordinated permitting feasibility with FDEP. City Council reviewed the C-HAWQ public-private partnership proposal for dredging at the May 5, 2025 special called meeting. The City hired an independent engineer to review the proposal as directed by council. The engineer provided questions for C-HAWQ to answer.
inlet side slot filling	\$300/inlet	ongoing: 2 filled in month of February (173 total to date)
Exfiltration swales	\$12M	There are 120 miles of swales on Marco Island. \$1.5M in grant funding has been approved with 50% city matching funds. New exfiltration swales were constructed as part of the N. Barfield Shared Path project. The City awarded a contract to construct exfiltration swales on S. Collier Blvd. from Huron Ct. to the end of Collier Ct. Construction is slated to begin in July. More exfiltration swale project designs are on the way in FY25. The right of way construction standards manual was revised to require that exfiltration swales be constructed as part of the right of way permitting process. Thus far over 20 residential right of way permits include the construction of exfiltration swales.
inlet screens	\$600 ea	ongoing: 222 installed to date. Four were installed with the Barfield drainage and San Marco drainage projects. More will be installed as part of the N. Collier Blvd./N. Barfield Dr. intersection improvements project.
rain barrels/gardens	borne by homeowner	add to education campaign for homeowner implementation
seawall denitrification beds	borne by homeowner	not recommended - media can migrate into canals (unintended consequence)
reuse disposal alternatives	\$5M+	not feasible - FDEP will not permit the discarding of reuse water into deep injection well. Defeats the purpose of re-using treated water.
reuse irrigation inspections	included in operating budget	ongoing: city-owned irrigation inspected and repaired by city landscape contractor. Condo HOA's and hotels inspect and repair their systems
reuse educational program	included in operating budget	W&S dept prepared and distributed educational material. Follow up with HOA's annually. W&S has also assigned an employee to continue the public education campaign.
golf course irrigation	borne by golf courses	W&S dept coordinated with golf courses regarding irrigation rates. Golf courses effectively manage their irrigation
golf course interconnecting culverts	borne by golf courses	golf course water management systems detain stormwater and irrigation runoff onsite. Discharge to offsite is through outfall weirs. Interconnecting culverts are internal to golf course SWM systems.
Hydrodynamic study for dead-end canal circulation	\$50k	completed in Dec 2023 and presented to council in Jan 2024. The design of the interconnects was based on this study.
Dead-end canal interconnects	\$6M	state legislative appropriation approvals obtained. The first interconnect project has been designed, and bids opened on 8/5/24. The City is seeking additional state funding in FY25 and 26 so that this project can be constructed.
Street sweeper	\$380k	street sweeping program underway
fertilizer education campaign	low	city growth management environmental staff coordinating

fertilizer enforcement	low	ongoing - city code enforcement
fertilizer ordinance revision	low	not recommended – unenforceable without funding
stormwater utility	property owner assessments	requires stormwater system inventory, master plan update, and rate study by consultant. Staff has not received direction from city council to proceed with this although this topic was recently proposed for discussions at WAC meetings.
Alternate water quality plan (4e)	\$50k	Approved by FDEP in Sept 2023. City is proceeding with projects in the plan as indicated in this table.
WQ testing	\$86k/yr	Ongoing. Quarterly testing of PTOX algae added in FY25.
WQ monitoring evaluation	\$10k/yr	evaluation being conducted as part of the MS4 permit. PW staff submitted the NPDES Annual Report for the Phase II MS4 permit for year 2 on 2/28/24. FDEP approved the annual report in August 2024. FDEP is conducting an MS4 audit on July 9.

Permitting Functions

Public works staff also reviews development and right-of-way permit applications and conducts inspections of the active right-of-way, SDP, and Seawall permits. The reviews and inspections are summarized below.

January 2026

Reviews

Permit Type	qty
ROW permits (residential)	32
ROW permits (commercial)	9
SDP reviews	5
SEAW Seawall Work	12

Inspections

Type	qty
Residential	124
Commercial	0

Infrastructure Maintenance Field Crew Operations

- Swept 255 lane miles between 1/19/2026 and 2/13/2026.
- Inspected crosswalks.
- Filled 2 side slot inlets on storm structures with brick and mortar.
- Removed trip and fall hazards on all city shared pathways (yearly sidewalk project completed).
- Removed roadkill from roadway on Yellowbird.
- Removed roadkill on N. Barfield.
- Met with contractors on Firwood for sidewalk replacement.
- Set up farmer’s market lane closures every Wednesday.
- Replaced sign pole on Yellowbird & Bald Eagle.
- Delivered PW excavator to Ft. Myers for hydraulic warranty repair.
- Repaired tortoise sign on Dogwood Ave.
- Repaired bike lane sign on Hernando.
- Worked on PW low boy trailer (wheel bearing maintenance, tire changes, lube on chassis).
- Replaced big Jolley Bridge flag.

- Repaired sign on Collier and Rose Ct.
- Repaired sign on Windward and Elkcam.
- Organized storage at PW facility in preparation for building move.
- Removed traffic light mast arms from Barfield intersection construction project (removal and storage at source water facility, two days' worth of operations).
- Repaired concrete shared pathway on San Marco Rd.
- Removed roadkill on Jolley Bridge.
- Removed roadkill on N. Barfield.
- Inspected San Marco & Heathwood traffic signal with Temple (troubleshoot traffic signal timing issues, repair parts ordered).
- Completed traffic school Tech 1 certification for PW employee.
- Repair storm pipe at intersection of San Marco and Barfield.
- Removed roadkill on Winterberry Dr.
- Installed two sets of bollards at Barfield and Capt. Horr Way.
- Repaired storm pipe on Bald Eagle Dr.
- Repaired storm pipe on Grapewood.
- Commenced annual storm drain cleaning project.
- Repaired edge of roadway on Bald Eagle Dr.
- Cleaned broken glass on S. Collier Blvd.
- Swept Fairlawn (construction rocks from roadway removed).
- Camera pipe on 416 Bald Eagle Drive, repair needed due to cable penetration.
- Installed turtle shields on light poles on S. Collier Blvd. due to citizen complaints.
- Removed two street light poles from Barfield & Collier construction zone.
- Repaired roadway sinkage on Bimini.

Light pole removal from Barfield & Collier construction



Traffic Signal camera maintenance



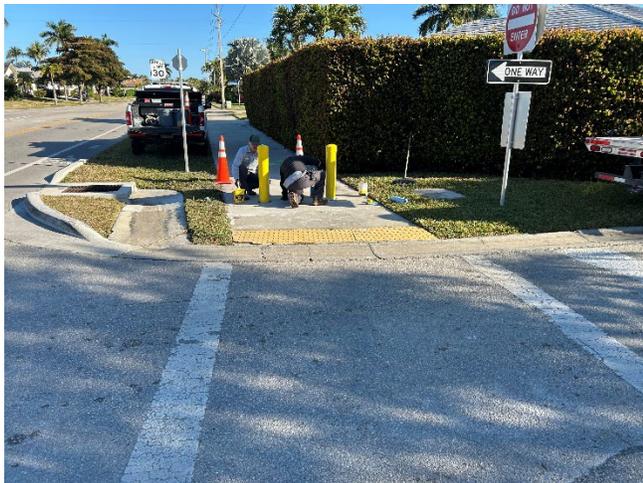
N. Barfield Dr sidewalk repair



Bimini sunken roadway repair



Bollard installation on Barfield and Capt. Horr Way



Mast arm removal from Collier & Barfield construction



Bimini roadway manhole resurfacing



Turtle shield installation on S. Collier Blvd.

