



City of Marco Island

MEMORANDUM

Date: May 22, 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 – May 2026

The City's public works department has 13 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 stormwater engineer resigned in February. The City published the position vacancy and is in the process of accepting employment applications and conducting interviews to fill the position.

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

Public Works Capital Projects Overview:

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

- The new traffic signal lights are being installed.
- Milling and paving is scheduled to commence on June 8.
- Milling and paving will be done at night to minimize traffic disruptions.
- Curbs, brick pavers, and concrete have been completed at the intersection corners.
- Pedestrian signal poles have been installed.
- The signal subcontractor is working on installing the signal wiring, signal cabinets, controllers, and signs.
- All potable water and reclaimed water main installations and service connections are complete.
- 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

- The building permit is expected to be issued in June.
- Bidding is underway. Bids open on June 25.
- Contract award will be presented at the July 20 council meeting.
- Construction: August 2026 – August 2027

Collier Alternate Bike Lanes

- Sidewalk and driveway demolition on Seagrape is in progress.
- The new watermain and storm sewer is being constructed on Seagrape.
- Construction is approximately 30% complete.
- Construction: Mar 2026 – Dec 2026

Canal Aeration Pilot

- Diffuser installation and water testing commences in June.
- 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

- Contract has been awarded and staff held a pre-construction meeting with the contractor.
- Contractor has requested shop drawing submittals for the traffic signal components.
- Notice to proceed will be issued when the materials lead time is known.
- Construction: July 2026 – Jan 2027

Pedestrian Safety Improvements

- Two new crosswalks:
 1. *S. Heathwood Dr. at Andalusia Ter.*
 2. *N. Barfield Dr. between Wavecrest Ct. and Piedmont Ct.*
- Sidewalk connections and culverts have been installed for the crosswalks.
- Waiting on crosswalk sign parts to complete the installation.
- Construction: Mar 2026 – Aug 2026

Sand Hill St. Shared Path

- Construction is ongoing and will be completed by Aug 2026

2026 Annual Street Resurfacing (Paving)

- Neil Bahr Way and Marquesas Ct. have been paved.
- Roads remaining to be paved:
 1. Tripoli Ct.
 2. Antilles Ct.
 3. Fruitland Ave.
 4. Hartley St.
 5. Admiralty Ct.
 6. Hunt Ct.
 7. Strawberry Ct.
 8. Wales Ct.

Caxambas Ct. Bridge Replacement

- 90% plans: June 2026; construction funding agreement between city and FDOT must be executed before bidding.
- Funding is needed for this project (transportation bond via referendum) to be deposited in escrow agreement in October or soon thereafter.
- 100% plans: Sep 2026

- Bidding: Feb – Apr 2027
- Construction: May 2027 – May 2028

S. Barfield Dr. Flood Remediation

- Design to be completed in June 2026
- Bidding: July – August 2026
- Construction: September 2026 – August 2027

Exfiltration Swales (Winterberry Dr.)

- Design completed
- Bidding: June 2026 – July 2026
- Construction: Sep 2026 – Jan 2027

Bald Eagle Dr. Bike Lanes

- 90% Design plans submitted to FDOT. Waiting for FDOT response.
- Bidding: Aug – Sep 2026
- Construction: Oct 2026 – Aug 2027

Swallow/Huron/Panama Exfiltration Swales

- Design to be completed Dec 2026
- Bidding: Jan – Feb 2027
- Construction: Apr - Sep 2027 (pending funding)

Tidal Flushing/Canal Interconnects

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

Collier Alternate Bike Lanes

- Project adds 7ft wide bicycle lanes on each side of the road on Peru St. to Seagrape Dr., and Swallow Ave.
- Contractor installing new water mains.
- PW staff responding to property owner questions.
- The project will be completed by December 2026.
- The cost of construction will be fully reimbursed by an FDOT grant.



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

- Brick pavers, curbs, and concrete completed at intersection corners
- Concrete collars poured around valve covers in Collier Blvd
- Milling and paving scheduled to commence June 8.
- Milling and paving to be done at night. Lanes open during the day.
- Traffic signal lights and wiring are being installed
- Traffic controller box and components will be installed prior to June 8
- Temporary traffic striping will be painted during paving operations.



Sand Hill St. Shared Path

Final portion of the shared path was poured on Sand Hill St. near Leland. The contractor is restoring driveways, sod, and swales as they progress. Crosswalks will be installed when contractor receives signs and poles from the vendor. Project is expected to be complete in July.

N. Barfield and S. Heathwood Crosswalks

The sidewalk connections to street and associated culverts and sod restoration are complete. The contractor will install the crosswalk signs, poles, and paint the crosswalk stripes in the pavement when they receive the signs and poles from the vendor.



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 May (179 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.

April 2026

Reviews

Permit Type	qty
ROW permits (residential)	45
ROW permits (commercial)	2
SDP reviews	2
SEAW Seawall Work	14
Variance petition plan reviews	2

Inspections

Type	qty
Residential	139
Commercial	0

Infrastructure Maintenance Field Crew Operations

- Swept 147 lane miles between (4/20/2026 and 5/14/2026).
- Inspected crosswalks.
- Sealed up 2 side slot inlets on storm structures.
- Cleaned 1977 storm drains to date for the year (storm drain cleaning project completed for the year).
- Ground trip and fall hazards on Collier Ct.
- Changed red arrow on San Marco and Heathwood traffic signal (signal inoperable).
- Repaired storm box on Lamplighter Ct.
- Installed 'no fishing' signs on W. Winterberry Bridge.
- Repaired inoperable valve on water truck.
- Picked up waterway buoy from Blue Marlin Marine.
- Repaired edge of roadway at Algonquin Ct.
- Installed light up crosswalk signs at Sand Hill and Leland.
- Delivered street sweeper to Ft. Myers for vehicle repairs (sensor issue).
- Removed 10 loads of street sweeper dirt to Collier landfill.
- Removed roadkill N. Collier Blvd.
- Cleaned and removed debris from PW facility as well as SWTP facility in preparation for open house event.
- Disassembled small barricade shelter at PW facility.
- Straightened bent light pole due to vehicle contact at Rose Marina.
- Straightened bent light pole due to vehicle contact at Kendall and Collier.
- Straightened bent light pole due to vehicle contact Near Snook Inn on Bald Eagle.
- Prepped and maintained generators for hurricane season.
- Ground sidewalks on Jamaica Rd.
- Filled sinkhole on Leland Way.
- Prepped and maintained generators for hurricane season.
- Inspected complaint for exposed utility at Prince Condominium (cable company issue).
- Removed debris from Dunford Way.
- Completed inspections in absence of PW inspector.
- Repaired drainage headwall on Ludlow.
- Painted curbs on San Marco shared pathway to Goodland.
- Performed repairs on PW loader (shaft bearing repair).
- Painted stop bars city wide.

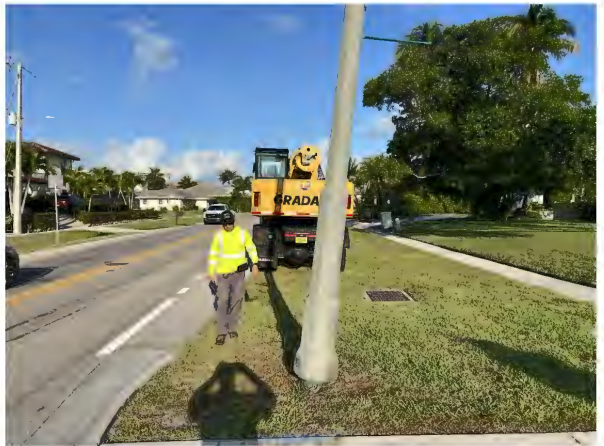
Sandhill and Leland crosswalk installation.



Collier and San Marco Camera Cleaning.



Light pole straightening at Kendall and Collier.



Light pole straightening at Rose Marina.



Depressions filled along Leland Ave.

