



City of Marco Island

MEMORANDUM

Date: April 24, 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 – April 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 poles and arms have been erected.
- Pavement is being widened on Barfield Dr. to accommodate the new through lanes.
- All potable water and reclaimed water main installations and service connections are complete.
- The old mains have been disconnected and are being grouted to prevent settlement.
- New concrete sidewalks and single family home driveways have been reconfigured.
- The median curbs on Collier Blvd. have been reconfigured.
- The new traffic signal installations are scheduled for May.
- Paving is scheduled for June.
- 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 have been completed and the building permit application has been submitted.
- Bidding: May 2026 – June 2026
- Construction: August 2026 – August 2027

Collier Alternate Bike Lanes

- Bike lane construction is underway on Swallow Ave., Seagrape Dr., and Peru St.
- 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

- Contract has been awarded and sent to the contractor for signatures and procurement of bonds and insurance.
- Notice to proceed will be issued upon receipt of signed contract, bonds, and insurance.
- Construction: June – Dec 2026

Pedestrian Safety Improvements

- 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 ongoing and will be completed by Aug 2026

2026 Annual Street Resurfacing (Paving)

- Contract awarded
- 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.

Caxambas Ct. Bridge Replacement

- 90% plans: May 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 May 2026
- Bidding: June – July 2026
- Construction: August 2026 – July 2027

Exfiltration Swales (Winterberry Dr.)

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

Bald Eagle Dr. Bike Lanes

- Design to be completed May 2026
- Bidding: July – Aug 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

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

- Sidewalks poured
- Traffic signal conduits installed
- Drainage pipe and inlet replaced
- Old water and reclaimed water mains filled with grout to prevent road settlement.
- Median and roadside curbs formed and poured
- Founder’s park irrigation restored
- New traffic signals will be installed in May
- Old traffic signal column and support will be painted to match new ones.
- Milling and paving scheduled for June (some work to be performed at night)
- Temporary traffic striping will be painted during paving operations.



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.



Sand Hill St. Shared Path

Construction is ongoing. The contractor is restoring driveways, sod, and swales as they progress. 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.



Huron St. at Swallow Ave. Storm Inlet Modification

The city replaced a grate with a manhole cover and raised the elevation to remove a large depression in the road at this intersection. The depression was in the path of the new bike lanes on Swallow Ave.



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 April (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.

March 2026

Reviews

Permit Type	qty
ROW permits (residential)	34
ROW permits (commercial)	12
SDP reviews	0
SEAW Seawall Work	19

Inspections

Type	qty
Residential	152
Commercial	0

Infrastructure Maintenance Field Crew Operations

- Swept 111 lane miles between (3/25/2026 and 4/10/2026).
- Inspected crosswalks.
- Sealed up 2 side slot inlets on storm structures.
- Cleaned 1500 storm drains to date for the year.
- Removed decals from PW 21 truck.
- Painted new curb on S. Collier and installed riprap.
- Replacement of outfall pipe by Titan on Collingswood Ave.
- Replaced batteries on crosswalk at Maderia crosswalk.
- Repaired street sign on Heathwood and San Marco.
- Removed old school markings on pavement on Worthington St.
- Inspected citizen complaint about red locate markings on property.
- Repaired Partridge Ct. outfall storm pipe.
- Installed new arrow directional sign on Park Ave.
- Repaired outfall pipe at Bald Eagle and Chalmer.
- Repaired edge of road repair at Caxambas Ct.
- Pick up supplies for right turn only sign on Yellowbird and Collier.

- Removed old school markings on Auburndale Ave.
- Relined outfall pipe on Swan Ave.
- Repaired edge of road on Auburndale Ave.
- Repaired brick pavers at San Marco and S. Heathwood
- Replaced rusted storm water grate at Bald Eagle & Chalmer.
- Removed old paddle boat from waterway (Marco PD assist).
- Cleaned roadkill at Landmark Ave.
- Removed roadkill on San Marco Rd.
- Removed roadkill on Barfield.
- Rebuild and reinstalled water pump on PW S1 sweeper truck.
- Repaired concrete shared pathway on San Marco Rd.
- Repaired bike lane sign on Kendall Dr.
- Lay out 'right turn only' signs on Yellowbird & Collier.
- Repaired potholes on Muspa Way.
- Inspected complaint for damaged head wall at Ludlow.
- Filled sinkholes on Pelican Ct. (outfall pipe needs reline).
- Installed no left turn sign on Yellowbird.
- Repaired potholes on Jim Vensel Way.
- Inspected shared pathway complaint on S. Collier (need to grind and replace panels in affected area).
- Removed marine sign piling from waterway (Marco PD assist).
- Grinded sidewalk panels on S. Collier (panel grinding project begun in affected area).
- Inspected sinkhole at storm pipe on Birch Ct.
- Inspected sidewalk panel lifted by cable contractor, panel needs replacement.
- Replaced red traffic light red arrow at S. Heathwood and San Marco.
- Removed fallen tree from roadway on S. Collier and Winterberry.
- Inspected waterway marker installation in Collier Bay (#4 and #6)

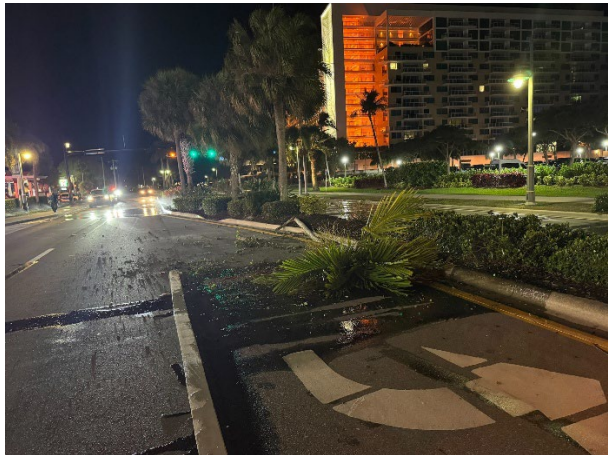
Auburndale removed old school markings in roadway



Removal of waterway marker from waterway



Removal of tree from roadway on S. Collier and Winterberry



Storm pipe repair on Swan Ave. (relined storm pipe)



Storm box repair at Chalmer Bald Eagle



Waterway marker installation on Collier Bay

