



# City of Marco Island

## MEMORANDUM

Date: June 29, 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 – June 2026

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The City's public works department has 12 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.

Public works currently has two vacant engineering positions. The City published the position vacancies 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 June:

### **Public Works Capital Projects Overview:**

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

- The new traffic signal lights have been installed.
- Paving and curbs have been completed.
- The permanent (thermoplastic) pavement lines will be painted during the week of June 29.
- The traffic signals will be in flash mode for one week during the startup phase.
- The traffic signals will be operational on or shortly after July 8.
- Traffic barrels and barriers will be removed immediately upon activation of the traffic signals.
- The project is ahead of schedule and on budget.

#### ***Public Works Facility at the South Water Treatment Plant***

- The building permit is expected to be issued in July.
- Bidding is underway. Bids open on June 30.
- 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.

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- The new watermain and storm sewer is being constructed on Seagrape.
- Construction is approximately 35% complete.
- Construction: Mar 2026 – Dec 2026

### **Canal Aeration Pilot**

- Diffuser installation and water testing commenced 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 is in the process of submitting shop drawings for the traffic signal components.
- 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.*
- Crosswalk sidewalks and signs have been installed
- Contractor is painting the crosswalk striping on the pavement.
- Crosswalks will be operational in July

### **Sand Hill St. Shared Path**

- Construction is complete
- Contractor is painting the crosswalk striping on the pavement.

### **2026 Annual Street Resurfacing (Paving)**

- Paving is complete.
- The following roads were paved:
  1. Neil Bahr Way
  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.
  11. Swallow Ave.
  12. Gulfstream St.
  13. Rainbow Ct.
  14. Waterleaf Ct.

### ***Caxambas Ct. Bridge Replacement***

- construction funding agreement between city and FDOT will be presented to council for approval at the July 20 council meeting.
- Funding for this project is included in the FY27 CIP budget request.
- Funds must be deposited in escrow by the end of October.
- 100% plans: Sep 2026
- Bidding: Jan – Mar 2027
- Construction: Apr 2027 – May 2028

### ***S. Barfield Dr. Flood Remediation***

- Design to be completed in July 2026
- Bidding: Aug – Sep 2026
- Construction: Oct 2026 – August 2027

### ***Exfiltration Swales (Winterberry Dr.)***

- Design completed
- Bidding: July 2026 – Aug 2026
- Construction: Oct 2026 – Feb 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 and storm sewer.
- 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

- Construction is complete
- Traffic signals are in startup testing phase
- Traffic signals will be operational in July
- Project is three months ahead of schedule



**Sand Hill St. Shared Path**

Construction is complete. Pavement striping of crosswalk lines is in progress.

**N. Barfield and S. Heathwood Crosswalks**

Construction is complete. Pavement striping of crosswalk lines is in progress.



**Annual Paving**

The annual paving project is now complete.



## 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. City council opted to not pursue this public-private partnership.   |
| inlet side slot filling                           | \$300/inlet                  | ongoing: 2 filled in month of June (181 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 constructed exfiltration swales on S. Collier Blvd. from Huron Ct. to the end of Collier Ct. More exfiltration swale project designs are on the way in FY27. 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 40 residential right of way permits include the construction of exfiltration swales. |
| inlet screens                                     | \$600 ea                     | ongoing: 222 installed to date. More will be with drainage capital projects.   |
| 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 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  |
| 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 has been discussed 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. The city will submit an update to FDEP in July.  |
| 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 conducted an MS4 audit on July 9, 2025. |

**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.

**June 2026**

**Reviews**

| Permit Type                    | qty |
|--------------------------------|-----|
| ROW permits (residential)      | 36  |
| ROW permits (commercial)       | 2   |
| SDP reviews                    | 2   |
| SEAW Seawall Work              | 14  |
| Variance petition plan reviews | 2   |

**Inspections**

| Type        | qty |
|-------------|-----|
| Residential | 77  |
| Commercial  | 0   |

## Infrastructure Maintenance Field Crew Operations

- Swept 442 lane miles between (5/8/2026 and 6/16/2026).
- Inspected crosswalks.
- Sealed up 2 side slot inlets on storm structures.
- Grind trip and fall hazards on Island.
- Filled small sinkhole at Barfield & Collier.
- Hauled sweeper dirt pile to landfill.
- Placed rock and asphalt on Fairlawn & Waikiki.
- Removed roadkill on S. Collier Blvd.
- Repaired damaged sign at Fruitland Nassau.
- Placed riprap on 5 cul-de-sacs due to paving work.
- Removed roadkill on Collier Blvd.
- Picked up riprap at quarry.
- Replaced mitered end at Lamplighter Ct.
- Removed city banners from light poles (32 banners remaining in inventory).
- Cleaned drain pipe on Bald Eagle Dr. with vac truck near progressive auto.
- Repaired vac truck water pressure valve.
- Serviced two generators (hurricane preparation).
- Installed gopher turtle signs and thermo on Hawaii & Inlet.
- Completed storm pipe repair on Covewood Ct.
- Painted crosswalks and stop-bars island wide.
- Replaced wooden spill-off boards on dump truck.
- Completed safety training (yearly requirement).
- Swapped water truck personnel due to main driver off duty.
- Collected spare brick pavers for Collier & Barfield construction job.
- Serviced dump truck (lube, oil & filter).
- Cleaned traffic light cameras island wide.
- Cleaned traffic control boxes and placed insect repellent.
- Moved spare mast arms to source water for storage.
- Removed roadkill San Marco Rd.
- Serviced Gradall (lube, oil & filter).
- Transferred waste oil to recycle center.
- Graded swale at Tarpon Ct.
- Trimmed trees on E. Elkcam.
- Repaired water truck water valves.
- Removed dead boa constrictor on San Marco Rd.
- Serviced PW boat (oil change on motor and lower unit).
- Changed three wood sign poles for metal poles.
- Repaired potholes on Herb-Savage Way.
- Inspected standing water complaint at Woodbine Ct. No issues found.
- Replaced two pallets of sod on Tarpon Ct.
- Cleared swale on Covewood, opened ditch and lined with riprap, removed pepper trees.
- Delivered brush load to dump.

Tarpon Ct. Swale Grading.



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Covewood Swale Grading and Tree Removal.



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Pepper Tree Removal on Covewood.



Whiteheart Ave. Trip Hazzard Removal.

