



## CITY OF MARATHON PUBLIC WORKS

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### MEMORANDUM

DATE: August 8, 2023  
TO: Honorable Mayor and City Councilmembers  
FROM: Carlos A. Solis, P.E. Director of Public Works & Engineering  
THROUGH: George Garrett, City Manager  
SUBJECT: Public Works Update

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The following is an update of the status of Public Works projects and related issues:

### Capital Infrastructure Projects

- **Marina & Station 14 Generators:** The Generator platform has been poured, and the generator is scheduled to be installed upon proper curing of the concrete. We expect the new generator to be up and running by the end of the month. The fire station generator is still scheduled to be delivered by the end of this year. Zabatt has provided a temporary generator at the fire station for back-up through the hurricane season and beyond as necessary.
- **117<sup>th</sup> Street & 116<sup>th</sup> Street Bridge Replacement:** We are in the negotiation process with the top ranked firm for the fees on the design for the replacement of the bridge decking on the two bridges. If we cannot reach an agreement on the fees, we will terminate the negotiations with the highest ranked firm and negotiate the contract with the next highest ranked firm in accordance with FDOT and State requirements. We anticipate construction to begin on the 117<sup>th</sup> Street bridge in August of 2024, and the 116<sup>th</sup> Street bridge in July of 2026
- **112<sup>th</sup> Street Bridge:** The RFQ for the design of the bridge decking replacement of the 112<sup>th</sup> Street bridge is out on the street, and we anticipate bringing the ranking recommendation to Council at the September Council meeting. Construction for this project is scheduled to begin in August of 2025.

### Upcoming Projects:

- **Seven Mile Marina:** Upon approval of the ranking for the Construction Manager at Risk, and execution of the contract for the same, the City and selected firm will begin the pricing negotiation for the required work on the building renovation and rehabilitation. We are still in the permitting stage for the reconstruction of the finger docks. Our consultant has re-submitted from the second round of comments and appears to have addressed all comments. One exception is the required lease agreement with FDOT. There appears to be an issue with the ownership of a small parcel within the FDOT lease area. The seller's attorney filed a corrective deed, conveying to the City a portion of property that FDOT is disputing ownership. The issues are going through the legal process for a resolution.
- **Quay Property Redevelopment** The concept plans for the rehabilitation of the seawall and shoreline for the property have been provided to the City and approved. The consultant is moving forward with the final construction plans for the work. Due to the length of time permitting most work in jurisdictional waters, the plans are being generated as two phases, work in jurisdictional area and work in upland areas. The intent is to proceed with any upland area construction that can be implemented with the park development. With regards to the park development, the consultant has completed the stormwater design and submitted 30% plans for review. We will return to the consultant promptly with our comments.
- **Quay Restroom:** Similar to the abovementioned marina project, upon issuance of the contract for a Construction Manager at Risk, the construction of the restrooms will be the first project to be developed under this system. The project was previously let to bid twice, and both times we only had one bidder at a very high cost. This system will allow us, via the CMAR, to work directly with trade contractors and negotiate a better price for the work. We will look at the most cost-effective construction between a prefab building or built in place.
- **City Hall Office Renovation:** We have received the final plans for the office and front area renovation. The required modifications to the A/C vent and return system as well as the new redundant mini-split unit for the new IT area and storage in the attic is included in the construction contract for the A/C replacement. The rest of the work will be negotiated to the trades through the CMAR.
- **City Hall Air Conditioning Replacement:** Bids for the A/C replacement were received, and a resolution is before council for approval of a contract with Cortez Heating and Air Conditioning. The contract will be executed immediately upon approval by council, to get the units ordered as there is an additional procurement period for the specialized coating for the outside system. We have also coordinated with one of our electricians to modify the outside service to handle the additional individual condensing units.

#### **General Public Works Issues and update:**

- **Building Plan Review:** The Public Works & Engineering department has processed 59 permits reviews, and 56 inspections for projects requiring engineering review and inspections in the last month.
- **Boat Ramp and Beach Parking:** The parking fee collection is settling in with minor issues being reported. The revenue collected from parking and user fees for the month of July was \$159,708 and the year to date total is \$460,002. The report shows a continued increase in boat ramp usage, which is outpacing the beach at this time of year. boat ramps.

The installation of electrical and camera system at the Quay is complete, and the FKEC was dropping the meter in to go live. The 33<sup>rd</sup> street and Harbor ramp work should be all completed and live by August 4.

The Harbor/Aviation ramp continues to have traffic issues. We have posted signs in the area to alert the public of the traffic pattern through Marlin-Tuna-Harbor, but many often ignore them, and some get a bit confrontational when being asked. It appears this is not the locals being difficult, but tourist or vacation renters. In previous years the ramp has been closed during the high use periods. We understand that this may not be an option. We recommend that a Sheriff Deputy be assigned, even if it's an off-duty deputy, to assist with the traffic issues during these peak times.

- **Oceanfront Park:** The State Law Enforcement personnel utilizing the park have vacated the property. We are receiving proposals to re-sod the area impacted by the team, with the FWC reimbursing the City for this work.
- **FDOT LAP Certification:** Staff is continuing the administrative work as required for FDOT as part of the LAP program. We are currently managing the three bridge replacement projects. The other projects in the program are as follows:
  - **Replacement of the 117<sup>th</sup> Street Bridge**
  - **Replacement of the 116<sup>th</sup> Street Bridge**
  - **Replacement of the 112<sup>th</sup> Street Bridge.**
  - **Stormwater and bike trail improvements along the curve on Sombrero Beach Road.**
  - **Path lighting along the Aviation Blvd. Multi-Use Trail.**
  - **Planning services related to Citywide pedestrian and bicycle improvements.**

## **Stormwater Report:**

We have again had a couple of intense rainfall events that impacted the Sombrero Blvd. area. We continue to field comments and complaints from the residents and are well aware of the problem. Unfortunately, there are no quick, easy or inexpensive solutions. To put things in perspective, the low edge of pavement in the lowest part of this road is elevation 0.55, which is approximately 9” above low tide in this area. While the tide itself is not covering the road, except possibly in a high king tide, water elevation is needed to create enough head (pressure) to push water down the well. To further exacerbate the issue, this area of the City is mostly filled “Marl” a material with a high clay content, which greatly reduces natural infiltration, unlike most of the area with cap rock underneath. There is on-going discussion about proposing a large pump structure similar to 39<sup>th</sup> Street, however, during some of these extreme events there will still be road flooding, however with a quicker recovery. The cost of such a system would approach \$500,000 and will still be a temporary solution as the high water issue will only become worse. We are pursuing several options for funding to raise the road and address the resulting issue of the condominium parking drainage, which is immediately adjacent to the street. We have discussed this with the finance director to pursue the raising of the road, which likely has a \$1.2-\$1.5 million price tag but would be a long-term permanent solution. We are addressing a similar issue on 92<sup>nd</sup> Street, except that unlike Sombrero Blvd, the inundation is daily and salt water. The estimated cost to address this road is approximately \$850,000.

In the interim, our crews are providing relief to the Sombrero Area by pumping water to another basin, thus reducing the recovery time.

We are also installing an earthen berm along the 92<sup>nd</sup> Street R/W on a temporary basis to keep the everyday high tide out of the road.

## Financial Overview

Active Filter:

Terminal ID	Location	Purchase Amount	Coin Balance	Avg Card Trans Amount	Purchase Count	Currency - Currency ID	Card Trans Amount
BOAT RAMP-1		43635	0.00	30.36534447	1,437	USD	43635
BOAT RAMP-2		11910	0.00	27.25400458	437	USD	11910
BOAT RAMP-3		32555	0.00	33.38974359	975	USD	32555
SOMBRERO-1		5984	0.00	9.890909091	605	USD	5984
SOMBRERO-2		13680	0.00	9.963583394	1,373	USD	13680
SOMBRERO-3		24559	0.00	9.623432602	2,552	USD	24559
SOMBRERO-4		16061	0.00	9.865479115	1,628	USD	16061
SOMBRERO-5		11324	0.00	10.46580407	1,082	USD	11324
		\$159,708.00			0.00		

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Terminal ID	Location	Purchase Amount	Coin Balance	Avg Card Trans Amount	Purchase Count	Currency - Currency ID	Card Trans Amount
BOAT RAMP-1		93385	0.00	31.82623509	2,934	USD	93410
BOAT RAMP-2		22810	0.00	26.70760234	854	USD	22835
BOAT RAMP-3		66190	0.00	34.20196281	1,935	USD	66215
SOMBRERO-1		24287	0.00	9.76184739	2,488	USD	24307
SOMBRERO-2		57792	0.00	9.627186407	6,003	USD	57792
SOMBRERO-3		91727	0.00	9.625406483	9,530	USD	91759
SOMBRERO-4		60115	0.00	9.806719948	6,130	USD	60125
SOMBRERO-5		43696	0.00	10.40914503	4,198	USD	43708

\$460,002.00