



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041 (305) 809-3883

MEMORANDUM

DATE: September 14, 2021

TO: Patti McLauchlin, City Manager

FROM: Kelly Crowe, P.E., City Engineer

CC: Todd Stoughton, Assistant City Manager
Steve McAlearney, Engineering Director
Mark Finigan, Finance Director

RE: Project 250458-4: SR A1A/South Roosevelt Pump Station
Maintenance Memorandum of Agreement between the City of
Key West and the Florida Department of Transportation (FDOT)

ACTION STATEMENT:

Authorize the City Manager to execute the *Maintenance Memorandum of Agreement between the City of Key West and the Florida Department of Transportation (FDOT)* for the long-term maintenance of a pump station to be constructed with Project 250458-4: SR A1A/South Roosevelt

BACKGROUND:

Project 250458-4: SR A1A/South Roosevelt is located from Bertha Street to the end of Smathers Beach and generally consists of upgrades to the promenade, milling and paving, three (3) High Intensity Activated Crosswalk (HAWK) crossings, signage, pavement markings and significant drainage improvements.

The City of Key West has been administering the design phase of the project on behalf of FDOT per a Local Agency Program (LAP) Agreement. The LAP Agreement was executed on December 12, 2004 and the City currently holds a contract for design services with Metric Engineering. Funds for the design of South Roosevelt are reimbursed to the City.

As design progressed, staff reviewed the drainage criteria and noticed that the drainage system did not account for future sea level rise (SLR). After reviewing potential high-water elevations, FDOT selected criteria that was similar to the criteria they use for raising roads within Monroe County. The revised criteria

Key to the Caribbean - Average yearly temperature 77°

resulted in the need for a pump station. The pump station will greatly improve the drainage along South Roosevelt and provide additional protection against future SLR. **NOTE: This pump station equipment will require the easement requested on this agenda as Legistar ID 21-7565.**

FDOT's maintenance staffing does not account for the routine maintenance of pump stations. It has been FDOT's practice to enter into maintenance agreements with local agencies when pump stations are required. The City of Key West entered into a similar agreement with FDOT for the maintenance of a pump station at the intersection of North Roosevelt and Eisenhower/Jose Marti.

In coordination with the Utilities Department, the City has the capacity to maintain the proposed pump station. Both City and FDOT staff have coordinated extensively on the agreement and have developed a final document that is acceptable to both parties. Construction of the project is expected to commence in 2023.

PURPOSE AND JUSTIFICATION:

Since the maintenance of pump stations is not within FDOT's capability, the City has offered to perform routine maintenance and minor repairs to the pump station. Major repairs in excess of \$10,000 will be performed by FDOT as well as replacement of the system at the end of its useful life, which is estimated to be approximately 30 years.

The project supports the 2011 Key West Strategic Plan, Goal #1, *A transportation system which is aesthetically attractive, functional, efficient, safer and environmentally sensitive.*

FINANCIAL ISSUES:

Anticipated average yearly cost to maintain the pump station is \$25,000.00 which will be paid out of Stormwater/Operations/Contractual Services account 402-3804-538-3400. Stormwater collections and maintenance crew Full Time Equivalent (FTE's) were increased in FY2022 to facilitate additional storm systems including Patricia & Ashby stormwater expansion, Dennis St. pump station, and future stations including South Roosevelt. FDOT will be funding the entire construction portion of the project including the pump station and associated infrastructure.

RECOMMENDATION:

Authorize the City Manager to execute the *Maintenance Memorandum of Agreement between the City of Key West and the Florida Department of Transportation (FDOT)* for the long-term maintenance of a pump station to be constructed with Project 250458-4: SR A1A/South Roosevelt.