



January 27, 2022

Joe DeCerbo
District Manager
Spring Lake Improvement District
115 Spring Lake Blvd.
Sebring, FL 33876-6143

**RE: SPRING LAKE IMPROVEMENT DISTRICT
LEGISLATIVE APPROPRIATION FOR STRUCTURAL INTEGRITY MONITORING OF
STORMWATER PUMP STATION**

Dear Joe,

The opportunity has been presented to provide Spring Lake Improvement District with a State Appropriation for the purpose of equipping the districts critical infrastructure with structural integrity sensors which will continuously monitor the structural health of the district's stormwater pump station.

The project is an infrastructure project that will provide for the installation of sensors and monitoring equipment for the existing storm water pump station on the C-15 Canal at Arbuckle Creek. The monitoring equipment will test, record and monitor the structural integrity of the pump station to alert the Town of any maintenance and structural issues that could cause a failure of the station. Monitoring such items as vibration, changes in structural load, movement, corrosion, cracking, etc. will enable the district to optimize repairs and maintenance while preventing catastrophic failure. Monitoring for the first 30 months is a part of the proposed scope of work.

The pump station experienced a failure in 2006 during the tropical storm Ernesto which greatly affected the surrounding roadways and water and sewer treatment plants. In 2008 there was a failure of sheet piling and erosion along the discharge basin bank. Monitoring will assist in detecting problems early where they can economically be repaired and prevent catastrophic failure.

CAS will coordinate the efforts obtaining the grant and the installation of the specified equipment to be certain the project is completed as specified.

CAS highly recommends taking advantage of the opportunity and respectfully requests that the attached Attestation Appropriations Request Form be approved and executed to move the appropriation request forward.

Sincerely,
CRAIG A. SMITH & ASSOCIATES

Stephen C. Smith, P.E.
President

