



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3700

EMERGENCY DECLARATION

To: Jim Scholl, City Manager

From: John Paul Castro, Utilities Director

Effective Date: June 28, 2019

Action Statement: Request the City Manager Jim Scholl approve the engineering design and inspection task order for the stabilization of wastewater force mains at the Fleming Key bridge by Artibus Design pursuant to resolution 17-207

Ordinance: 2-797 (2) Emergency Procurement – “the city manager may make emergency procurement of commodities or contractual services where the cost exceeds \$20,000.00 when there exists a clear and present threat to public health, property, welfare, safety or other substantial loss to the city...”

Justification:

On April 22nd a barge going through Fleming Key Cut lost control and collided with the Fleming Key utility bridge owned by the City of Key West. The utility bridge spans the City’s two influent force mains as well as the water and electricity to the waste water treatment plant.

The wastewater force mains that span the utility bridge are the only transmission lines delivering the City’s wastewater to the treatment plant. The damaged and unstable bridge pier has also required the federal channel to be closed to vessel traffic which is being patrolled by USCG, KWPD, and FWC. The urgency to stabilize the utilities and damaged bridge pier is extremely important due to the cost of deployed assets, rerouting of marine traffic, and risk of complete failure of the force mains.

The bridge sections are made of 2 concrete pilings and bent cap that cradle the force mains. The barge completely compromised the east piling and shifted the bridge system toward the vehicle bridge cracking the west piling.

Artibus Engineering was tasked on April 23rd to initiate a design to construct shoring for the utilities. The tasking was issued pursuant to general engineering contract with Artibus approved by resolution 17-207.

The hourly rates match the executed contract the labor mix and effort have been deemed reasonable by staff with respect to the tasking.

Key to the Caribbean – Average yearly temperature 77° F.

MEMORANDUM

The fee for engineering the stabilization of the utility bridge and construction inspection is \$40,768.40. The construction cost for the temporary bridge support by Ebsary Foundation Company was \$351,755 bringing the stabilization cost total to \$392,523.40

Recommendation:

Utilities request City Manager Jim Scholl approve the emergency procurement for engineering design and inspection fees to Artibus Design in the amount of \$40,768.40



City Manager Signature



Date