



CITY OF RIVIERA BEACH – MEMORANDUM

TO: HON. MAYOR, CHAIRPERSON AND CITY COUNCIL

THROUGH: JONATHAN EVANS, CITY MANAGER, MPA, MBA, ICMA-CM

FROM: TERRENCE BAILEY, P.E., PUBLIC WORKS DIRECTOR AND
ALTHEA PEMSEL, PURCHASING DIRECTOR

SUBJECT: **BID 996-20-1 CONSTRUCTION CONTRACT AWARD FOR
PALM BEACH ISLES BRIDGE REPLACEMENT**

DATE: OCTOBER 7, 2020

CC: GENERAL PUBLIC

Background:

Some time ago in 2015, the City received a call from a resident regarding sinkholes in the grassy areas near the structures that span the waterways in the Palm Beach Isles community. In the process of trying to determine the cause of the sinkholes, City staff noticed the condition of the structures and felt there was a need to have a structural analysis performed to determine the structural integrity of the waterway spans. Staff contacted Erdman Anthony, one of the City's engineering consultants under contract, to perform the structural analysis. Erdman Anthony then retained the services of Alan Gerwig and Associates (AGA) to perform the structural analysis. In November of 2015 AGA completed their analysis of the over the water structures and provided the City with a written assessment as well as probable cost estimates to correct the issues.

According to the AGA Report, the structures are beyond repair and need to be replaced due to the level of deterioration that has taken place. In order to proceed with replacement of the structures, a design of the structures has to be completed. The design fee proposed by Erdman Anthony which includes permitting, geotechnical engineering, maintenance of traffic concepts, habitat survey, environmental service and bridge design is \$292,906. Preliminary estimates in 2017 to replace the structures are approximately \$1.9M which



includes permitting fees and contingency; however, more accurate costs will be provided once the design of the structures is completed.

Based on the report's recommendation and the visible condition of the structures, staff requests that City Council approve the work order with Erdman Anthony to provide design services for the over the water structures in the Palm Beach Isles community.

During the past four years, staff has moved expeditiously to design and permit the structures replacement. During the process, it was discovered that there are protected species in the waters adjacent to the bridges, specifically Johnson Seagrasses. The discovery of this endangered species has significantly altered the permitting process and the permits required by the Federal Government are now lengthy.

During the period of 2019 and 2020, AGA has been performing monthly inspections to monitor the condition of the structures. On Friday, April 17, 2020 the City was notified by AGA of accelerated deterioration on the southern structures and the deck of the further west structures. City Executive staff met with AGA representatives the morning of Monday, April 20, 2020 to visually inspect the structures and to provide direction on solutions. As well, staff returned in the afternoon to meet with David Logan of Murray Logan and provided the plans and scope for the temporary stabilization.

On May 24, 2020, invitation to bid 996-20-1 was posted on the City's website, Palm Beach Post and Demandstar. Brothers' Construction, Inc. was the lowest responsive and responsible bidder out of five (5) bids received.

Citywide Goal(s):

Achieve a Sustainable Economy

Build Great Neighborhoods

Budget/Fiscal Impact:

The project as described above is currently in the City's 5-Year Capital Budget and the proposal as presented is within the budget amount.



Recommendation(s):

Approve the Emergency Work Order between the City of Riviera Beach and Murray Logan Construction for the stabilization of the Palm Beach Isles Bridges.

Attachment(s):

1. Resolution Number 86-20
2. Contract
3. Recommendation Letter
4. Budget Excerpt
5. Bridge Inspection
6. Bridge Inspection Photos