

12798 W. Forest Hill Boulevard  
Suite 201  
Wellington, FL 33414  
Phone: (561) 792-9000  
Fax: (561)792-9901  
CA No. 7969

**Alan Gerwig & Associates, Inc.**  
Consulting Engineers



April 17, 2020

Dana Gillette, P.E., P.S.M.  
Erdman Anthony  
5405 Okeechobee Boulevard  
West Palm Beach, FL 33417

**RE: City of Riviera Beach, Palm Beach Isles Bridges, Singer Island – Inspection Report  
AGA Proj. No.: 17-027**

Dear Ms. Gillette,

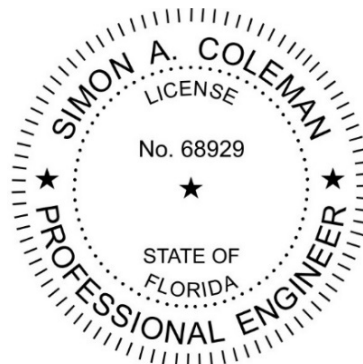
The bridges at Island Drive and Grand Bahama Lane at Palm Beach Isles, Singer Island were inspected by Simon Coleman, P.E. and Alan Gerwig, P.E. of Alan Gerwig and Associates, Inc., on April 7, 2020 as part of the on-going inspection regime prior to the bridges being replaced.

Visual inspections from the water under the four bridges at Island Drive and the two bridges at Grand Bahama Lane were performed at low tide. Based on the visual inspections, further deterioration of the beams of the Island Drive bridges was noted, in particular the outer beams of the two eastbound bridges. In addition, further deterioration of the decks slabs at Grand Bahama Lane was noted. The further deterioration generally involves more extensive cracking of the concrete, additional spalling of the surface concrete and more advanced corrosion of the reinforcing steel.

Based on the findings of the inspections, we conclude that the point has been reached where measures need to be taken to address the deteriorating condition of several of the bridges. On this basis, we recommend that the City initiate the construction of the replacement bridges.

Sincerely,

**Simon A. Coleman Ph.D., P.E.**  
**Project Manager**  
**FL. License No. 68929**



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AND SEALED BY SIMON A. COLEMAN ON  
THE DATE ADJACENT TO THE SEAL.  
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