

October 23, 2019

Ms. Coleen Christie  
Procurement Contracting Officer  
Miami-Dade County

**Ref: Professional References for  
Vessel Simulation Services (RTQ-01233)**

Dear Ms. Christie,

Gahagan & Bryant Associates (GBA), a coastal and dredging engineering firm, has worked with the MMP MATES Program (doing business as the Maritime Institute of Technology and Graduate Studies, "MITAGS") on several vessel simulation projects since 2011. We are currently working on a MITAGS ship simulation project to improve a navigation channel in Baltimore harbor to accommodate future design vessels.

As engineers and navigation channel designers, we have found MITAGS to be exceptional in providing near real world ship simulation data to evaluate and make safe, sound and economical management decisions for vessel navigation, channel geometries, docking, undocking, wave/swell forces, wind, tides and currents and other environmental factors and operational procedures.

The MITAGS reports have been comprehensive and essential, including ship pilots, tug captains and stakeholder's consensus related to design and operational decisions. We have found the MITAGS staff to be top level professionals, and the quality/capability of the simulation facilities to be among the best in the United States. We highly recommend them for your vessel simulation projects.

Respectfully,

**GAHAGAN & BRYANT ASSOCIATES, INC.**



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