

**Agreement History: Consultant Services for the Broward County Shore Protection Project
(RLI#040897-RB)**

Consultant: Foth Infrastructure & Environment, LLC (f/k/a Olsen Associates, Inc.) and Aptim Coastal Planning & Engineering, LLC (f/k/a CBI Coastal Planning & Engineering, Inc.) operating as a Joint Venture

Agreement Approved by BOCC: December 1, 1998, Item No. 60

Agreement Amount: \$1,730,553

Type of Compensation: Lump Sum

Summary of Tasks:

Phase I tasks include beach engineering/design; assisting with federal decision document preparation, including the General Reevaluation Report (GRR) and Environmental Impact Study (EIS) to comply with the National Environmental Policy Act (NEPA); ensuring compliance with federal and state permitting; identifying easements and rights-of-way; preparing drainage inspection/report; funding assistance/coordination; and evaluating existing beach groin.

Phase II tasks include conducting design surveys; preparing final design, plans and specifications; and providing bidding assistance.

First Amendment

Approved by BOCC: June 26, 2001, Item No. 21

Amended Amount: \$2,746,684

Amended Total Agreement: \$4,477,237

Type of Compensation: Lump Sum, except for portions of the task for Easement Acquisition, which are based on a cost per easement.

Summary of Tasks:

Scope of Work revised to expand Phase I tasks and increase compensation.

Additional Phase I tasks include conducting additional studies required by federal and state regulatory and resource agencies and incorporating design modifications to avoid/reduce resource impacts. Schedule revised to reflect the added tasks.

Second Amendment

Approved by BOCC: June 22, 2004, Item No. 41

Amended Amount: \$4,666,713

Amended Total Agreement: \$9,143,950

Type of Compensation: Lump Sum

Summary of Tasks:

Scope of Work revised to reflect completion of Phase I tasks, continuance of Phase II tasks, and add Scope of Services and compensation for Phase III.

Phase III tasks include performing pre-construction, construction, 6 months post-construction, 1-year post-construction, and 18-month post-construction services; and assisting with Segment II permit issuance.

Third Amendment

Approved by BOCC: May 20, 2008, Item No. 38

Amended Amount: \$4,409,627

Amended Total Agreement: \$13,553,557

Type of Compensation: Lump Sum

Summary of Tasks:

Addition of Scope of Services and compensation for Phase IV.

Phase IV tasks include performing permit-required physical and environmental monitoring of Segment III; investigating sand sources for Segment II; and conducting a feasibility study for the use of erosion control structures countywide.

Fourth Amendment

Approved by BOCC: September 28, 2010, Item No. 24

Amended Amount: \$3,697,418

Amended Total Agreement: \$17,250,995

Type of Compensation: Lump Sum

Summary of Tasks:

Addition of Scope of Services and compensation for Phase V.

Phase V tasks incorporate services related to the Segment II Shore Protection Project including performing pre-redesign and reevaluation surveys; obtaining easements and establish rights-of-way; performing engineering, design, and analysis for beach fill and offshore borrow areas; establishing an erosion control line (ECL) where an ECL does not exist and sand placement will occur; investigating upland sand sources and non-domestic aragonite sand sources; preparing an addendum to the General Reevaluation Report (GRR); assisting with state and federal permitting; preparing a Supplemental Environmental Impact Statement (SEIS); and preparing construction documents and assist with project bidding and contractor selection. Continuance of Segment III services includes evaluating potential Segment III additional mitigation requirements.

Fifth Amendment

Approved by BOCC: June 3, 2014, Item No. 52

Amended Amount: \$1,820,124

Amended Total Agreement: \$19,071,119

Type of Compensation: Lump Sum

Summary of Tasks:

Scope of Work revised to expand Phase V tasks and increase compensation.

Additional Phase V tasks include characterizing nearshore habitat; obtaining easements and establishing rights-of-way; supporting post-Hurricane Sandy efforts; establishing an ECL where an ECL does not exist and sand placement will occur; providing mitigation engineering, design documents, and bidding assistance; providing engineering support for the Southeast Florida Sediment Assessment and Needs Determination (SAND) study; preparing a limited reevaluation report; state permitting assistance; preparing an environmental assessment report; developing submittals required by federal and state permits; assisting with final design, design plans and specs, bidding and contractor selection for the Segment II project; providing additional mitigation assistance for Segment III; conducting pre-construction services and environmental monitoring for the Segment II project; and providing assistance with design permitting (federal and state) and plans for upland sand feasibility.

Sixth Amendment

Approved by BOCC: December 1, 2015, Item No. 36

Amended Amount: \$3,159,483

Amended Total Agreement: \$22,230,602

Type of Compensation: Lump Sum

Summary of Tasks:

Scope of Work revised to reflect completion of Phase V tasks and add Scope of Services and compensation for Phase VI.

Phase IV tasks support the 2016 Broward County Federal Shore Protection Project – Segment II project including pre-construction engineering services, construction oversight for the beach nourishment and mitigation reef projects, and state permit-required post-construction physical monitoring and reporting.

Seventh Amendment

Approved by BOCC: June 14, 2022, Item No. 20

Amended Amount: \$4,408,326

Amended Total Agreement: \$26,638,928

Type of Compensation: Lump Sum

Summary of Tasks:

Scope of work revised to add Scope of Services and compensation for supporting the 2021-22 Broward County Shore Protection Project – Segment II Flood Control and Coastal Emergency (FCCE) Post-Irma Reparation Project conducted by the U.S. Army Corps of Engineers.

Tasks include state permit-required post-construction physical and environmental monitoring for the 2021-22 Broward County Shore Protection Project – Segment II FCCE Post-Irma Reparation Project, assistance with federal and state regulatory permit compliance activities, and future Federal project reauthorization activities for the Segment II project.

Eighth Amendment (This Amendment)

Amended Amount: \$0

Amended Total Agreement: \$26,638,928

Type of Compensation: Lump Sum

Summary of Tasks:

All remaining tasks outlined in the Sixth and Seventh amendments above, except for Task 33 of the Sixth Amendment, which will be deleted and replaced with establishment of an ECL for a stretch of beach in the City of Pompano Beach.