



Resilient Environment Department  
115 S. Andrews Avenue, Room 329 • Fort Lauderdale, Florida 33301 • 954-357-6613 • FAX 954-357-8655

### **Broward County Shore Protection Project (RLI #040897-RB) Agreement History**

*Consultant:* CBI Coastal Planning & Engineering, Inc. (Boca Raton, FL) and Olsen Associates, Inc. (Jacksonville, FL) Operating as a Joint Venture.

*Appointed S/NC:* Director, DPEP; Director, Streets & Highways Division; Director, Port Everglades Construction Management Division

*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: Beach engineering/design; Federal decision document preparation (GRR); NEPA documentation (EIS); Federal and state permitting; Easements and rights-of-way; Drainage inspection/report; Funding assistance/coordination; Existing groin evaluations; and Reimbursables.  
Phase II: Design surveys; Final design, plans and specifications; Bidding assistance; and Reimbursables.

#### **First Amendment Summary:**

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

*Amendment 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 services revised to expand Phase I tasks and increase compensation. Additional studies required by federal and state regulatory and resource agencies, and design modifications made to avoid/reduce impacts to resources. Phase II tasks not changed. Schedule revised to reflect requirements for additional studies and design modifications.

#### **Second Amendment Summary:**

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

*Amendment Amount:* \$4,666,713

*Amended Total Agreement:* \$9,143,950

*Type of Compensation:* Lump Sum

#### *Summary of Tasks:*

1. Pre-Construction Services
2. Construction Services
3. 6-Month Post-Construction Services
4. 1-Year Post-Construction Services

**Third Amendment Summary:**

*Approved by BOCC:* May 20, 2008, Item No. 38  
*Amendment Amount:* \$4,409,627  
*Amended Total Agreement:* \$13,553,577  
*Type of Compensation:* Lump Sum

*Summary of Tasks:*

1. Segment III Construction Services (2005-2006) Segment III Post Construction Services (2007)
2. Segment III Post Construction Services (2008)
3. Segment III Post Construction Services (2009)
4. Segment III Post Construction Services (2010)
5. Segment II Sand Search (2008): Feasibility Study of the Use of Erosion Control Structures (2009)

**Fourth Amendment Summary:**

*Approved by BOCC:* September 28, 2010, Item No. 24  
*Amendment Amount:* \$3,697,418  
*Amended Total Agreement:* \$17,250,995  
*Type of Compensation:* Lump Sum

*Summary of Tasks:*

1. Pre-redesign/Reevaluation Surveys
2. Easements and Rights-of-Way
3. Engineering, Design, and Analysis (beach fill)
4. Engineering, Design, and Analysis (offshore borrow areas)
5. Establish Erosion Control Line
6. Engineering Support for Permitting of Nearshore Mitigation
7. Upland Sand Source Investigations
8. Non-domestic Aragonite Sand on Broward County Beaches
9. General Reevaluation Report (GRR) Addendum
10. Permitting
11. NEPA Documentation
12. Section 103 Report/Permit
13. Development Submittals Required by Permit
14. Final Design, Design Plans and Specifications, Bidding, and Contractor Selection
15. Segment III Additional Mitigation Requirement Assistance

**Fifth Amendment Summary:**

*Approved by BOCC:* June 3, 2014, Item No. 52  
*Amendment Amount:* \$1,820,124  
*Amended Total Agreement:* \$19,071,119  
*Type of Compensation:* Lump Sum

*Summary of Tasks:*

1. Characterize Nearshore Habitat
2. Easements and Rights-of-Way
3. Engineering, Design, and USACE FCCE/PIR Support
4. Establish Erosion Control Line
5. Engineering Support for Permitting of Nearshore Mitigation
6. Engineering Support for SAND Needs Study
7. Limited Reevaluation Report (LRR)
8. JCP Permit RAI Processing
9. NEPA Documentation – Environmental Assessment
10. Development Submittals Required by Permit
11. Final Design, Design Plans and Specifications, Bidding and Contractor Selection
12. Segment III – Additional Mitigation Requirement Assistance

13. Derelict Structures and Stormwater Outfall Remediation Assistance
14. Segment II Nearshore Environmental Monitoring Pre-Construction Services
15. Evaluation, Design and Permitting of Ireland Inn Upland Sand Source

**Sixth Amendment Summary:**

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

*Amendment Amount:* \$3,159,483

*Amended Total Agreement:* \$22,230,602

*Type of Compensation:* Lump Sum

*Summary of Tasks:*

Pre-construction Services

16. Pre-construction Erosion Control Line (ECL) Survey
17. Update Beach Fill Design
18. ETOF and Probable Nearshore Hardbottom Impact Area Update

Construction Services

19. Beach Fill Construction Observation Services
20. Contingency Beach Fill Construction Observation Services (30 days) – Authorization Withheld
21. Mitigation Construction Observation Services
22. Mitigation Dive Crew – Authorization Withheld
23. Contingency Mitigation Construction Observation Services (30 days) – Authorization Withheld

Post-construction Services

24. Physical Monitoring: Immediate Post-construction
25. Physical Monitoring: 1-Year Post-construction
26. Physical Monitoring: 2-Year Post-construction
27. Physical Monitoring: 3-Year Post-construction
28. Physical Monitoring: 4-Year Post-construction
29. Physical Monitoring: 5-Year Post-construction
30. Physical Monitoring: 6-Year Post-construction – Authorization Withheld
31. Addressing Agency Feedback on Environmental Monitoring – Authorization Withheld
32. Federal Audit Consultation
33. Emergency Response Plan During Beach Fill Construction

**Seventh Amendment Summary (This Amendment):**

*Amendment Amount:* \$4,058,326

*Amended Total Agreement:* \$26,288,928

*Type of Compensation:* Lump Sum

*Summary of Tasks:*

Post-Construction Services

1. Post-Construction Engineering Report
2. Physical Monitoring: Immediate Post-construction
3. Physical Monitoring: 1-Year Post-construction
4. Physical Monitoring: 2-Year Post-construction
5. Physical Monitoring: 3-Year Post-construction
6. Physical Monitoring: 4-Year Post-construction
7. Physical Monitoring: 5-Year Post-construction

Environmental Services – Option A

8. Hardbottom Monitoring Reaches II/V: 1-Year Post-Construction
9. Hardbottom Monitoring Reaches II/V: 2-Year Post-Construction
10. Hardbottom Monitoring Reaches II/V: 3-Year Post-Construction
11. Hardbottom Monitoring Reaches II/V: 4-Year Post-Construction
12. Hardbottom Monitoring Reaches II/V: 5-Year Post-Construction
13. Hardbottom Monitoring for Reaches II/IV: 3-Month Post-Const Sediment Only
14. Hardbottom Monitoring for Reaches II/IV: 6-Month Post-Const Sediment Only
15. Listed Coral Monitoring for Reaches II/IV: 1-Year Post-Construction
16. Listed Coral Monitoring for Reaches II/IV: 2-Year Post-Construction
17. Listed Coral Monitoring for Reaches II/IV: 3-Year Post-Construction
18. Listed Coral Monitoring for Reaches II/IV: 4-Year Post-Construction
19. Listed Coral Monitoring for Reaches II/IV: 5-Year Post-Construction
20. Hardbottom Monitoring for Reaches I/III: Post-Construction
21. Hardbottom Monitoring for Reaches I/III: 1-Year Post-Construction
22. Hardbottom Monitoring for Reaches I/III: 2-Year Post-Construction
23. Hardbottom Monitoring for Reaches I/III: 3-Year Post-Construction

Environmental Services – Option B

24. Permit/BMP Modification to Merge Reaches II/IV and Reaches I/III
25. Hardbottom Monitoring for Reaches I/III Post-Construction
26. Hardbottom Monitoring for Reaches I through IV: 1-Year Post-Construction
27. Hardbottom Monitoring for Reaches I through IV: 2-Year Post-Construction
28. Hardbottom Monitoring for Reaches I through IV: 3-Year Post-Construction
29. Hardbottom Monitoring for Reaches I through IV: 4-Year Post-Construction
30. Hardbottom Monitoring for Reaches I through IV: 5-Year Post-Construction
31. Listed Species Monitoring for Segment II

2016 Project – Nearshore Edge Impact Analysis

32. 2016 Segment II Project Impact Evaluation and Agency Coordination - Authorization Withheld (AW)
33. 2016 Segment II Project Impact Evaluation - Biological Assessment of Impact Area Landward of ETOF - AW

Segment II Federal Project Reauthorization Services

34. Federal Project Reauthorization Study Planning and Support - AW

Segment II Mitigation Project

35. Continued Services for Segment II Mitigation Project - AW

General Consulting

36. General Consulting - AW