



COASTAL PROTECTION ENGINEERING OF NORTH CAROLINA, INC
4038 MASONBORO LOOP ROAD
WILMINGTON, NC 28409
910-399-1905

April 27, 2026

Cliff Ogburn
Town Manager
Town of Southern Shores
5375 N. Virginia Dare Trail
Southern Shores, NC 27949

Re: Proposal: 2026 Annual Beach Monitoring Services, Town of Southern Shores, North Carolina

Dear Mr. Ogburn:

Coastal Protection Engineering of North Carolina, Inc. (CPE) is pleased to provide this proposal for professional services to the Town of Southern Shores (TOWN). The proposed services are associated with the 2026 Annual Beach Monitoring. Under this proposal, CPE will conduct 2026 beach monitoring data acquisition, determine volumetric and shoreline changes, evaluate project performance, and update the Town's Beach Maintenance Plan. Given the 2026 data will be used to develop construction plans and specifications, CPE has included in this proposal the acquisition of aerial LiDAR data and orthophotography. This additional scope item was developed in conjunction with McKim & Creed. This data acquisition involves a manned helicopter-based LiDAR mission covering the full 16.5-mile Dare County project shoreline and is designed as part of a coordinated, single aerial acquisition effort that also includes the adjacent 22.5-mile Currituck County shoreline, totaling approximately 39 linear miles. Through this joint effort between the 4 Towns and Currituck County, high resolution aerial imagery and supplemental LiDAR data can be collected on the upper portions of the beach to aid in design of the 2027 project. The proposal also includes optional services associated with post-processing of LiDAR data (Task 3), which will be acquired as part of Task 1.

The Scope of Professional Services (the Services) is attached to this proposal as Exhibit A. The work included under Tasks 1 – 2 will be performed for a lump sum fee of \$38,940.00. If the TOWN authorizes Task 3, the work will be completed for the unit cost of \$900 per linear mile of oceanfront depending on the extent of data needed. Exhibit B includes a breakdown of costs by Task.

The following items have been identified by CPE as deliverables to the TOWN for the completion of the Scope of Professional Services.

- Monthly Progress Reports;
- Annual Beach Monitoring Report;
- Beach Profile Data Appendix;
- High-Resolution Orthomosaic Imagery in GeoTIFF and ECW formats; and
- Digital Terrain Model/Classified LiDAR Point Cloud (Optional)



All draft deliverables, other than the monthly progress reports, will be provided within 120 days following completion of survey operations.

CPE's performance of the proposed Services is conditioned upon negotiation of mutually acceptable contract terms and conditions. In that regard, attached to this proposal is our standard Services Agreement for your consideration as the terms and conditions that will govern our performance of the proposed Services. If this proposal is acceptable to you, please have the attached Services Agreement signed, and return it to me. CPE will then sign the Services Agreement and return a fully executed copy to you for your records.

Sincerely,

A handwritten signature in black ink, appearing to read "Ken Willson".

Ken Willson
Senior Program Manager
Coastal Protection Engineering of North Carolina, Inc

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