

COASTAL PLANNING & ENGINEERING OF NORTH CAROLINA, INC.

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October 29, 2013

Christopher Layton
Town Manager
Town of Duck
P.O. Box 8369
Duck, NC 27949

Subject: Invoice 1571540-R8-526 Project Update

Dear Mr. Layton:

This letter serves as an update to you and your staff on CPE-NC's progress with regards to the Permitting and Design Services for the Town of Duck beach nourishment project.

This first invoice reflects our efforts in completing 20.1% of the scope of work as of October 1, 2013. The increase from the previously reported completion of 2.2% of the scope reflects CPE-NC's efforts during the month of September, 2013. These efforts are in large part associated with completing the beach profile surveys and sand sampling of the native beach. During the month of September, we also continued our efforts with engineering analysis including calibration of the GENESIS model and updating shoreline change.

Between September 10th and September 16th our staff completed the beach profile surveys of 35 profiles along the Town of Duck. In addition 5 profiles were sampled to determine the mean grain size of the beach. This information will be used to satisfy the state sediment criteria. Beach profile data are being processed. Once the data has been processed it will be used to update the S-BEACH analysis that was conducted during the course of the feasibility study. Our environmental team is building off of the data that we have developed for the Kill Devil Hills environmental documents. Our engineering team continues to work on the calibration of the GENESIS model. We are also using new LiDAR surveys to update shoreline changes and calculate volume losses during Hurricane Sandy.

During the October 11, 2013 meeting held at the Town of Kitty Hawk and attended by the Towns of Duck, Kitty Hawk, and Kill Devil Hills, a proposal to cost share the offshore sand search investigations for these projects was discussed. We are currently developing a cost proposal and anticipate submitting that to you for your review next week.

Please feel free to contact me anytime for further clarification or explanation of the project.

Very truly yours,

COASTAL PLANNING & ENGINEERING OF NORTH CAROLINA, INC.



Kenneth Willson
Project Manager