



October 13, 2011

Weekly Meeting Memo CSE-22

MEMO

TO: Cliff Ogburn, Town of Nags Head, NC

FROM: Haiqing L. Kaczowski (PE) and Tim W. Kana (PG)

RE: Nags Head Beach Nourishment Project (CSE 2203)

Weekly Project Meeting of the Town, the Contractor, and the Engineer

The weekly project meeting of the Town of Nags Head, the Contractor (Great Lakes Dredge & Dock, referred to as GLDD) and the Engineer (Coastal Science & Engineering, referred to as CSE) was held from 9:00 a.m. to 9:30 a.m. on Thursday, 13 October 2011, at the Town Hall. Items discussed during the meeting are summarized herein.

1) GLDD Production Updates

The dredges Dodge Island and Padre Island made steady progress during the past week. After finishing 300 feet of beach between stations 554+00 and 551+00, they moved to the landing point at station 1005+00 last Saturday, October 8, and pumped approximately 65,000 cubic yards of sand on the beach at the south end of the project between stations 1014+00 and 1025+00 by October 10. Demobilization of the south construction area was initiated at Surfside Street, and all pipes and fuel tanks are expected to be removed in the following few days.

After the dredges finished the south end, they returned to the northern part of the project using the landing point near station 570+00. Pumping operations proceeded northward and the



sections between stations 551+00 and 546+00 were completed before the dredges sailed to Norfolk, VA for fuel yesterday afternoon, October 12. They are expected to sail back to the site on the afternoon of this meeting. Upon their return, they may either continue to pump north and fill in the gap between stations 546+00 and 542+00, or they may move to the landing point near station 605+00 and pump south to meet the finished sections at station 628+00.

GLDD reported that as of today over 4.3 million cy of material has been pumped onto the beach with approximately 300,000 cy left in the contract. The projected completion date is presently 27 October 2011.

GLDD's survey equipment CRAB (Coastal Research Amphibious Buggy) is currently not working. It was disassembled and one of the legs was trucked out for repairs. The contractor is expecting the leg will be fixed and shipped back in a week, and that the CRAB can be fully reassembled and completely functional by sometime next week.

2) Sea Turtle Monitoring and Live Turtle Stranding on the Beach

Sea turtle monitoring on the beach has been going smoothly. No deviations have been reported this week.

A live sea turtle stranding was found on the beach near the Outer Banks Pier on Tuesday evening, October 11. This animal's injury appears to have been caused by blunt force trauma, with the wound being rather recent. There is no indication of what caused the injury, but it apparently is not related to the dredging activity. The turtle professionals indicated that similar turtle incidents have been reported previously in this area. The turtle is considered a juvenile (between 15-20 years old, and will be rehabilitated at the N.E.S.T./NC Aquarium rehab facility.



3) Biological Monitoring

The pre-dredging biological monitoring report prepared by CZR Incorporated covering results of four seasonal sampling events was submitted to the town and resource agencies on 29 September. CSE has requested review and comments from interested parties in order to proceed in a timely manner with the required post-dredging biological monitoring. The first post-project sampling event is anticipated to occur in November (weather permitting) immediately after cessation of dredging. This schedule will coincide with post-project data collection and confirmation of nourishment volumes.

4) Storm water outfalls

At the town's request, CSE assembled data for the updated profiles of the four ocean outfalls within or adjacent to the project area at Curlew Street (station 531+40), Conch Street (station 554+60), Soundside Road (station 580+85) and National Park (station 1025+22), and provided this information to the town on Tuesday, October 11 along with the revised nourishment design templates for the area around the two centrally located outfalls.

5) Anticipated events and schedule for next week

*Thursday, 20 October, at 9 a.m. — Weekly project meeting at the Town Hall
(The Town, the Contractor, and the Engineer are expected to attend.)*

Enclosure: List of attendees and their contact information