Area 2 – East End of Mullet Street Area & East End of Avenue A

Public ROW along Ocean Boulevard East (OBE) on the east end of Holden Beach, between Ferry Road and Dunescape Drive, experiences frequent periods of standing water following rain events as runoff is transported through the existing stormwater network or infiltrates into the soil.

The proposed project involves upsizing the existing stormwater system such that a 2-year storm level of service is achieved in the section of OBE east of Mullet St. and the entire area sees a reduction in flood depths due to both 2-year and 10-year storms. Further reduction in flooding from the 10-year storm is to be realized by eliminating roadway flooding along OBE between Avenue A and Dunescape Drive.

The existing stormwater network along Ocean Boulevard East (OBE) west of Mullet Street will remain with individual pipe inverts dropped as needed to create positive drainage within the system. Existing pipes along OBE east of Mullet St. will be upsized to 24" RCPs with the final of these pipes upsized to a 30" RCP. In order to accommodate the burial of the new 24" RCP, the existing channel at the upstream end of this pipe system will be dropped by ~0.5 feet and re-graded as needed while maintaining a minimum side slope of 3:1.

Similarly, the existing pipe under Blockade Runner Drive will be upsized to an 18" RCP with its downstream pipe that runs under OBE upsized to a 24" RCP. All pipes along Mullet St. will be upsized to 30" RCPs and a tide gate will be installed on the final outlet pipe. These appear to be the largest pipe sizes that can reasonably fit underneath the road while maintaining necessary clearance.

Additionally, three (3) 1-footdeep swales with 4:1 side slopes will be installed along the northern ROW of OBE between McCray Street and Dunescape Drive. 12" HPPP culverts will be installed under roadways to connect the swales and tie them to the existing system.

Due to the Coastal Area Management Act (CAMA), improvement options in this area are limited.