

CONGRESSIONAL DISTRICTS: VA-3

APPROPRIATION / PHASE: Construction

BUSINESS PROGRAM: Civil Works

LOCATION: Norfolk, VA

DESCRIPTION: The City of Norfolk, with a population of 238,000 (U.S. Census 2020), is increasingly vulnerable to flooding from coastal storms. The city is a highly urbanized, relatively flat, community with nearly all areas below elevation 15 feet (North American Vertical Datum [NAVD] of 1988). The rate of relative sea level rise within the City and surrounding area is one of the highest along the East Coast, exacerbating the City's vulnerability.

The recent study of coastal flooding problems throughout the City concluded in February 2019 with a Final Feasibility Report and a Report of the Chief of Engineers. The Design Agreement was executed in June 2019 with the City of Norfolk, initiating the Preconstruction Engineering and Design (PED) Phase. The PPA was executed in 2023 with a cost share of 65% Federal, 35% non-Federal.

The NCSRM includes structural, nonstructural, and Natural & Hybrid (NHI) Infrastructure measures. The structural components include storm surge barriers at Broad Creek, The Hague, Lafayette River, and Pretty Lake; flood walls; gates; levees; and pump stations. NHI include nature-based living shorelines and oyster restoration. The nonstructural components include property elevation, flood proofing, buyouts, and basement fills.

PROJECT GOALS: This project will reduce future coastal storm risk for the City of Norfolk and provide increased protection to human life, health, and safety to the residents of Norfolk.

PROJECT MANAGER: Chrissie Figueroa