

NORTH CAROLINA Department of Transportation



Calabash River Bridge Update

Town of Calabash Chad Kimes, PE Division Engineer Adrienne Cox Division Planning Engineer Derek Pielech, PE Division Bridge Program Engineer

July 12, 2022



Existing Structure

- Structure built in 1975 (47 yrs old)
- 280 feet in length
- 30 feet in width
- 1-foot shoulders with 13-foot travel lanes
- Deck elevation $\approx 8'$ (Bridge bottom = 6')
- Structurally Deficient / Functionally Obsolete

Reason for the Project



- Structure has aged out of usefulness
- Annual maintenance costs continue to increase
- Need for a more resilient evacuation route
- Need for a safer route for first responders



Project Details

- 578 feet in length
- 45 feet wide
- 3-foot shoulders with 12foot travel lane
- 10-foot Multi-Use Path
- Designed based on the 50year FEMA flood elevation and accounts for sea-level rise.
- Min. deck elevation = 14' (max. elevation > 15')
- Min. bridge bottom = 11' (max. >12')
- New bridge is 5' higher
- New turn lane at Old Georgetown Rd and Seaside Rd.



BR-0160 Typical Sections



TYPICAL SECTION NO. 2

BR-0160 Profile





New Structure



Off-Site Detour



Project Cost & Duration

- Construction Cost ≈ \$9.5 million
- Moratorium from April 1 through Sept. 30
- Let in July 2023
- Date of Availability Sept. 2023
- Construction duration = 18 months
- Open to Traffic in Feb. 2025

Questions?

