

Project Synopsis

The Design-Build Project consists of replacing nine (9) low-impact bridges located in Buncombe, Burke, Madison, Mitchell, and Rutherford Counties. Each of the bridges will be replaced in place with off-site detours. The primary purpose of this project is to begin to replace a large number of structurally deficient bridges in North Carolina. Bridges to be replaced are shown in the following table.

County	Description
Buncombe	Bridge # 146 on SR 2173 (Dillingham Rd) over Stony Fork Creek
Burke	Bridge # 352 on SR 1874 (Grace Hospital) over the East Prong of Hunting Ck
Burke	Bridge # 353 on SR 1874 (Grace Hospital) over the East Prong of Hunting Ck
Madison	Bridge # 24 on SR 1530 (Paint Fork Rd) over Ray Branch/ Paint Branch
Mitchell	Bridge # 26 on NC 226 over Big Rock Creek
Mitchell	Bridge # 28 on NC 226 over Big Rock Creek
Mitchell	Bridge # 140 on NC 197 over Big Rock Creek
Rutherford	Bridge # 144 on SR 2215 (Henson Rd) over Floyds Creek
Rutherford	Bridge # 385 on SR 1709 over Roberson Creek

All the bridges for this project are on the sub regional tier.

The Department is currently preparing a Low Impact Project Data Sheet (serves as the Programmatic Categorical Exclusion (PCE)) for each of the bridges.

The Design-Build Team shall be responsible for all hydraulic design and shall provide signed and sealed Bridge Survey Reports for all structures. The Design-Build Team shall be responsible for all storm drainage design, State Stormwater permit, and construction and shall obtain FEMA compliance for the regulated floodways.

The Department will provide 2 to 3 borings per bridge to the Design-Build Teams. The Design-Build Team shall be responsible for all geotechnical recommendations, as well as supplemental roadway and structural investigations.

The Department will provide partial surveys and Lidar (Light Detection and Ranging) for each of the bridges. The Design-Build Team shall be responsible for supplemental surveys.

The Design-Build Team shall be responsible for the coordination of all utilities in conflict with the project. The Department will provide list of utilities and contact person for each bridge projects.

The Design-Build Team will be responsible for designing and constructing the bridge approaches to tie the new structures into the existing pavement in accordance with Low Impact NCDOT design standards and policies. The pavement design will be provided by the Department.

The replacement structure is anticipated to be built within the existing right of way, if applicable, the Design-Build Team will be responsible for any right of way and easement acquisition.