

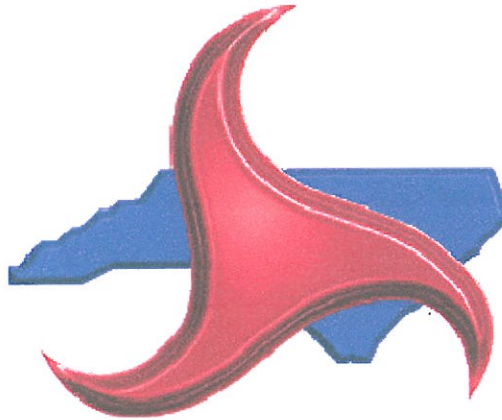
Bridge Design Speed Investigation

Division 6 Express Design-Build

17BP.6.R.77

Bridge 413 over Watson's Pond on SR 1323 (Watson Mill Pond Road)

Robeson County



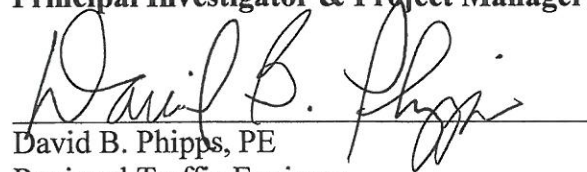
Document Prepared By:

Regional Traffic Office – Sandhills Region
Transportation Mobility and Safety Division
North Carolina Department of Transportation

July 22, 2016



Principal Investigator & Project Manager


David B. Phipps, PE
Regional Traffic Engineer

Bridge and Approach Investigation Checklist

Project 17BP.6.R.77
Description Bridge 413 over Watson's Pond.
Route SR 1323 (Watson Mill Pond Road).
Division 6
County Robeson

Existing Speed Limit 55 ☐ Posted ☒ Statutory

Reasonable & Comfortable
Passenger Car Speed 40-50

Speed Data None

Ball Bank Speed Study N/A

Warning Signs at Bridge Type 3 Object Markers (OM-3L and OM-3R) - 2 each.

Roadside Development Wooded, some residential development near NC 211 intersection.

ADT History No ADT data available. Low volume road estimated at 500- 1000 ADT.

Pedestrian/Bicycle Traffic Minimal expected.

Bridge and Approach
Digital Photos Attached.

Approach Lane Width 9 ft.

Approach Shoulder Width: 4 ft.
Shoulder Type Soil/Grass.

Lane Width (existing bridge) 9 ft.

Shoulder width (existing bridge) 2 ft.

Strategic Corridor / Thoroughfare
Designation and Recommended
Cross Section SR 1323 is classified as a local road.
Two lane cross section recommended.

Crash History and
Safety Considerations There were no reported crashes in the five year study.

Comments The short length of the section between stop conditions and BST
pavement limit speeds to 40-50 mph.

Reasonable Bridge Speed 45 mph

Investigated by: David B. Phipps, PE

Reviewed by: David B. Phipps, PE

County: Robeson

Description:

Bridge 413

Route:SR 1323

Looking North



Looking South

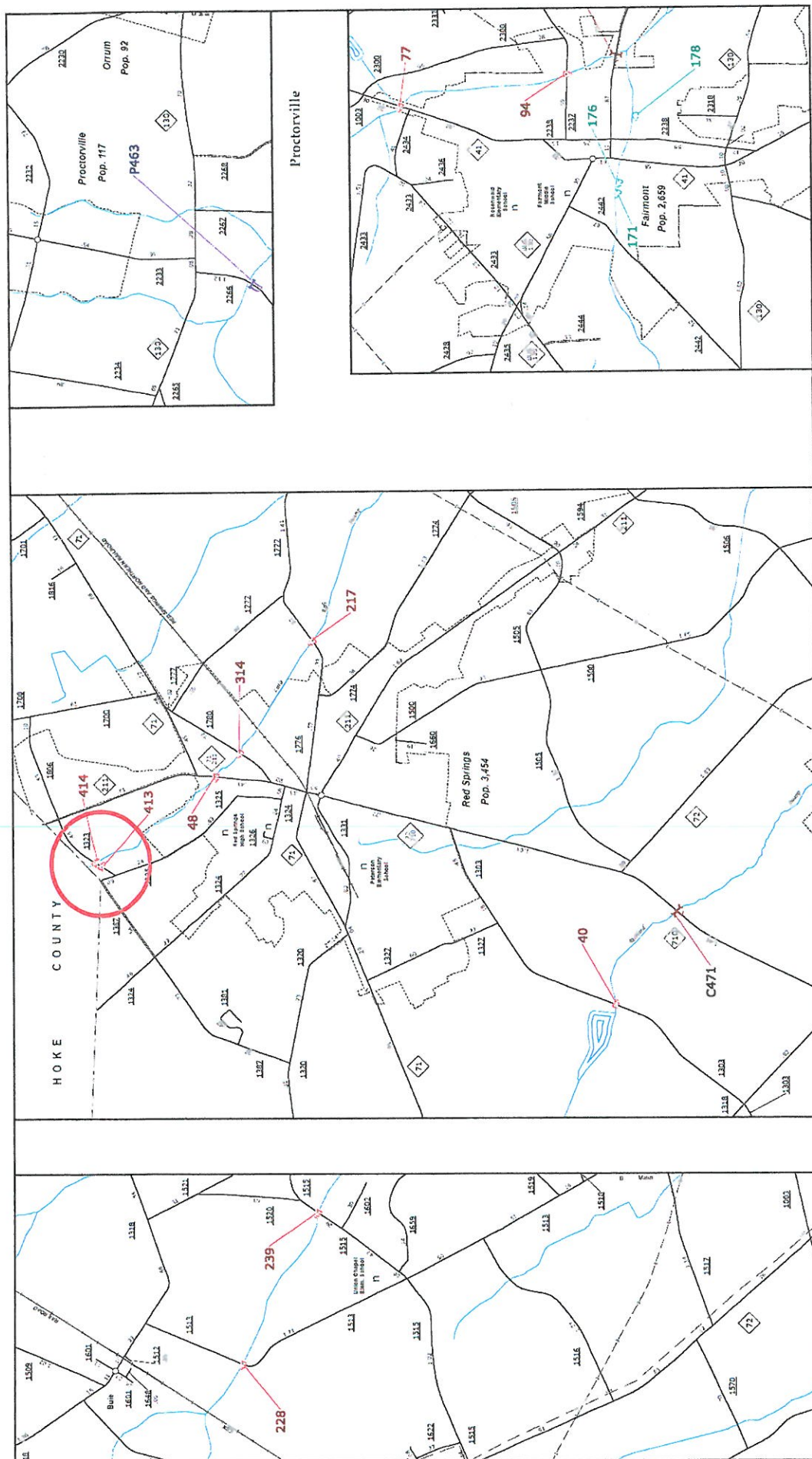


Looking North



Looking South





Bridge 413 and Bridge 414 Over Watson's Pond on SR 1323 (Watson Mill Pond Road)

Robeson County

Study Criteria Summary

Report Details