

Bridge and Approach Investigation Checklist

Project 17BP.1.PE.1
Description Structure #710030 across Perquimans River
Route SR 1202
Division 1
County Perquimans

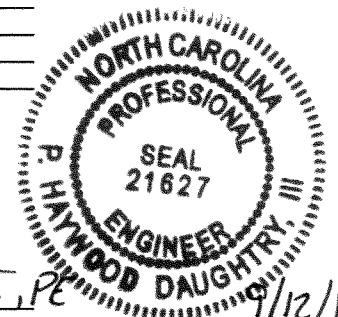
Existing Speed Limit 55 ☐ Posted ☒ Statutory
Reasonable & Comfortable
Passenger Car Speed 50
Speed Data N/A
Ball Bank Speed Study > 12 @ 55 mph
< 12 @ 50 mph
Warning Signs at Bridge Curve signs with 45 mph advisories - Trucks Entering Highway signs
4 Delineators
Roadside Development Woods
ADT History 320 (2009 AADT MAPS)
Pedestrian/Bicycle Traffic None observed
Bridge and Approach
Digital Photos Attached
Approach Lane Width 8.5'
Approach Shoulder Width: 4'
Shoulder Type Soil
Lane Width (existing bridge) 8.5'
Shoulder width (existing bridge) 4' & 3'
Strategic Corridor / Thoroughfare
Designation and Recommended
Cross Section Local secondary
Crash History and
Safety Considerations SEE ATTACHED TEAAS REPORT
Comments Paved access to Perquimans County landfill container site close to north
end of bridge.

Reasonable Bridge Speed 50

Investigated by: David Morton 9/1/11

Reviewed by:

P. H. Daughtry III, PE



Bridge and Approach Investigation Checklist

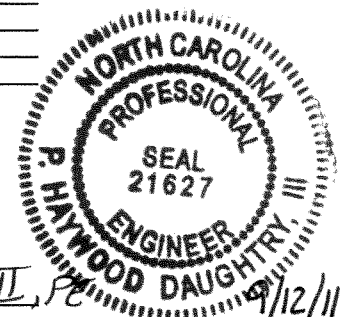
Project 17BP.1.PE.1
Description Structure #710002 across Muddy Creek
Route SR 1321
Division 1
County Perquimans

Existing Speed Limit 55 ☐ Posted ☒ Statutory
Reasonable & Comfortable
Passenger Car Speed 50
Speed Data N/A
Ball Bank Speed Study < 10 @ 50 mph
> 10 @ 55 mph
Warning Signs at Bridge 4 Delineators
Curve signs with 40 mph advisories
Roadside Development Swamp, marsh
ADT History 570 (2010 AADT MAPS)
Pedestrian/Bicycle Traffic None observed
Bridge and Approach
Digital Photos Attached
Approach Lane Width 8.5'
Approach Shoulder Width: 3'
Shoulder Type Soil - soft
Lane Width (existing bridge) 8.5'
Shoulder width (existing bridge) 6'
Strategic Corridor / Thoroughfare
Designation and Recommended
Cross Section Local secondary
Crash History and
Safety Considerations SEE ATTACHED TEAAS REPORT
Comments Posted 27 tons SV/40 tons TTST
Superelevation through curve near structure needs improvement

Reasonable Bridge Speed 50

Investigated by: David Morton 9/1/11

Reviewed by: P. H. Daughtry III, PE



Bridge and Approach Investigation Checklist

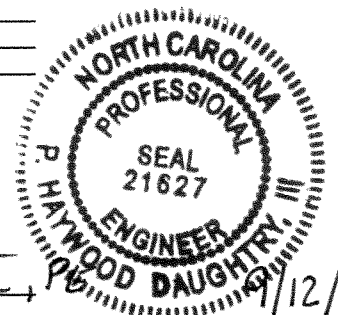
Project 17BP.1.PE.1
Description Structure #710007 across creek
Route SR 1221
Division 1
County Perquimans

Existing Speed Limit 55 ☐ Posted ☒ Statutory
Reasonable & Comfortable
Passenger Car Speed 55
Speed Data N/A
Ball Bank Speed Study Curve south of structure > 12 @ 55 mph
Warning Signs at Bridge 4 delineators
Roadside Development Swamp & woods
ADT History 510 (2010 aadt maps)
Pedestrian/Bicycle Traffic None observed
Bridge and Approach
Digital Photos Attached
Approach Lane Width 8.5'
Approach Shoulder Width: 4'
Shoulder Type Soil - soft
Lane Width (existing bridge) 8.5'
Shoulder width (existing bridge) 3' & 4'
Strategic Corridor / Thoroughfare
Designation and Recommended
Cross Section Local secondary
Crash History and
Safety Considerations SEE ATTACHED TEAAS REPORT
Comments Posted 15 tons SV/22 tons TTST
Alignment at structure needs to be straightened

Reasonable Bridge Speed 55

Investigated by: David Morton 9/1/11

Reviewed by: P. H. Daughtry III



Bridge and Approach Investigation Checklist

Project 17BP.1.PE.1
Description Structure #710012 across creek
Route SR 1341
Division 1
County Perquimans

Existing Speed Limit 55 ☐ Posted ☒ Statutory
Reasonable & Comfortable
Passenger Car Speed * 45
Speed Data _____
Ball Bank Speed Study < 10 @ 45 mph WB approach
EB approach is tangent
Warning Signs at Bridge 4 Delineators
Roadside Development Woods, agriculture, church
ADT History 690
Pedestrian/Bicycle Traffic None observed
Bridge and Approach
Digital Photos Attached
Approach Lane Width 8.5'
Approach Shoulder Width: 6'
Shoulder Type Soil
Lane Width (existing bridge) 8'
Shoulder width (existing bridge) 4'
Strategic Corridor / Thoroughfare
Designation and Recommended
Cross Section Local secondary
Crash History and
Safety Considerations SEE ATTACHED TEAAS REPORT
Comments Road posted 6 1/2 tons
Structure posted 12 Tons SV/20 Tons TTST
* Due to narrow lanes and curved alignment on each side of tangent
section at bridge.

Reasonable Bridge Speed * 45

Investigated by: David Morton 9/1/11

Reviewed by: P. H. Daughtry III, PE



Bridge and Approach Investigation Checklist

Project 17BP.1.PE.1
Description Structure #710017 across canal
Route SR 1113
Division 1
County Perquimans

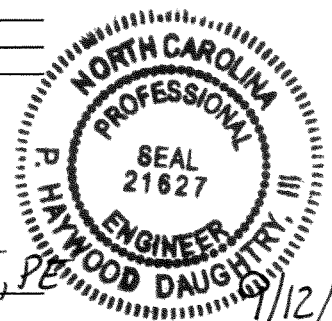
Existing Speed Limit 55 ☐ Posted ☒ Statutory
Reasonable & Comfortable
Passenger Car Speed 45
Speed Data N/A
Ball Bank Speed Study > 12 @ 50 mph
< 12 @ 45 mph
Warning Signs at Bridge 4 Delineators
Turn sign with 30 MPH advisory east of structure
Roadside Development Woods, agriculture, residential
ADT History 100 (2010 AADT MAPS)
Pedestrian/Bicycle Traffic None observed
Bridge and Approach
Digital Photos Attached
Approach Lane Width 7.5'
Approach Shoulder Width: 5'
Shoulder Type Soil
Lane Width (existing bridge) 7.5'
Shoulder width (existing bridge) 7'
Strategic Corridor / Thoroughfare
Designation and Recommended
Cross Section Local secondary
Crash History and
Safety Considerations SEE ATTACHED TEAAS REPORT
Comments Close to a side road intersection
Curves on each side of structure
Posted 20 tons SV/27 tons TTST

Reasonable Bridge Speed 45

Investigated by: David Morton 9/1/11

Reviewed by:

P. H. Daughtry, III, PE



Bridge and Approach Investigation Checklist

Project 17BP.1.PE.1
Description Structure #710025 across canal
Route SR 1001
Division 1
County Perquimans

Existing Speed Limit 55 ☐ Posted ☒ Statutory
Reasonable & Comfortable
Passenger Car Speed 55
Speed Data N/A
Ball Bank Speed Study N/A
Warning Signs at Bridge 3 Delineators
Roadside Development Agriculture, residential
ADT History 570 (2010 AADT MAPS)
Pedestrian/Bicycle Traffic None observed
Bridge and Approach
Digital Photos Attached
Approach Lane Width 9'
Approach Shoulder Width: 5'
Shoulder Type Soil
Lane Width (existing bridge) 9'
Shoulder width (existing bridge) 5.5'
Strategic Corridor / Thoroughfare
Designation and Recommended
Cross Section Local secondary
Crash History and
Safety Considerations SEE ATTACHED TEAAS REPORT
Comments 24 tons SV/30 tons TTST

Reasonable Bridge Speed 55

Investigated by: David Morton 9/1/11

Reviewed by:

P. H. Daughtry, III, PE

