

# Bridge Approach Speed Investigation

Bridge # 630083 over Little Peachtree Creek on SR 1305 (Bass Rd)

Nash County

WBS Element # 17BP.4.R.38



Document Prepared By:

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**Principal Investigator**

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Elizabeth A. Harris, PhD, EI  
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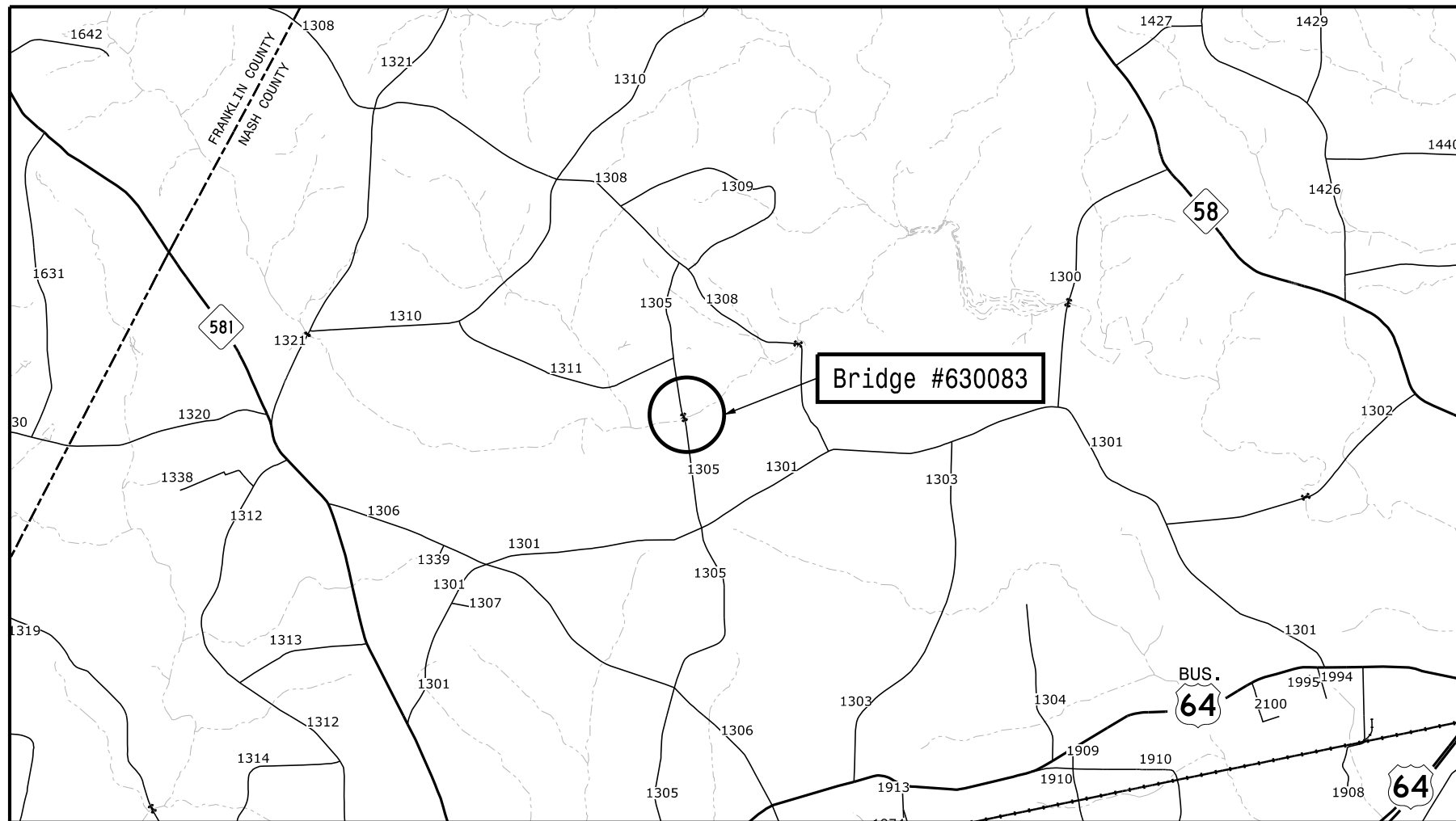
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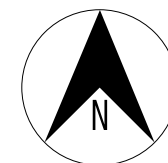
# Division 4 - Nash County

## Design Build Year 2 Bridge Program

Bridge locations plotted based on coordinates provided by Bridge Management



| Division | County | Structure Number | Structure Description                             | Latitude   | Longitude    |
|----------|--------|------------------|---------------------------------------------------|------------|--------------|
| 4        | Nash   | 630083           | Bridge #83 over Little Peachtree Creek on SR 1305 | 35.9941171 | -78.08044599 |



1"=5000'  
SCALE

**HNTB**

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# Bridge and Approach Investigation Checklist

Project 17BP.4.R.38

Description Bridge #83 over Little Peachtree Creek on SR 1305

Route SR 1305 (Bass Rd)

Division 4

County Nash

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Existing Speed Limit 55 ☐ Posted ☒ Statutory

Reasonable & Comfortable Passenger Car Speed 55 mph

Speed Data None collected due to sparse traffic.

Ball Bank Speed Study NB: 11 at 55 mph, 9 at 50 mph  
SB: 8 at 55 mph, 5 at 50 mph

Warning Signs at Bridge Object Markers (OM-3L & OM-3R) - one located at each bridge corner  
Weight Limit Signs (Single Vehicle 18 tons, TTST 26 tons) - 1x each Appr.

Roadside Development Wooded/Agricultural

ADT History 290 vpd from 2010 AADT map  
350 vpd from Crash Analysis Request (attached)

Pedestrian/Bicycle Traffic Minimal expected

Bridge and Approach Digital Photos Attached

Approach Lane Width 9'

Approach Shoulder Width: Varies from 7' to 12'  
Shoulder Type Grass

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 No crashes were reported in the vicinity of the bridge from  
2/1/2002 to 1/31/2012 (10 years).

Comments Farm machinery observed crossing bridge.

**Reasonable Bridge Speed** 55 mph

Investigated by: Elizabeth Harris, PhD, EI 4/18/12 Reviewed by: Bradley Reynolds, PE

**County:** Nash

**Description:** Bridge #83 over Little Peachtree Creek

**Route:** SR 1305

SR 1305 (Bass Rd) Northbound  $\pm$  250' from Bridge #83

SR 1305 (Bass Rd) Northbound  $\pm$  50' from Bridge #83



SR 1305 (Bass Rd) Southbound  $\pm$  250' from Bridge #83



SR 1305 (Bass Rd) Southbound  $\pm$  50' from Bridge #83



**County:** Nash

**Description:** Bridge #83 over Little Peachtree Creek

**Route:** SR 1305

Northbound view of Bridge #83 structure



Southbound view of Bridge #83 structure



Southbound view of farm equipment crossing Bridge #83



# **Bridge Approach Speed Crash Analysis Request**

Order # 41000018516

**500 feet on Both Sides of Bridge Number 83 on Secondary Route 1305 (Bass Road) over  
Little Peachtree Creek in Nash County**

Document Prepared By:

Safety Planning Group  
Traffic Safety Systems Management Unit  
Transportation Mobility and Safety Division  
North Carolina Department of Transportation

**Note:** The crash statistics have been generated and are available through North Carolina's Crash Database. This database provides an inventory of **reported** crashes on record that have occurred at this location. Please note that many traffic crashes go unreported for a variety of reasons, and this report simply provides a listing of all crashes on record that occurred within 0 feet of the section described above.

