

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION**  
**FIELD SCOPING MEETING WORKSHEET**  
**Design Build Process**

TIP No.: **B-5658**      WBS No.: **45613.1.1**      Field Scoping Meeting Date: **March 21, 2016**  
Division: **4**      Location: **On-site**  
Route (US/NC/SR): **SR 1310**      County: **NASH**  
Project Description: **Bridge No. 0126 over Big Peachtree Creek on SR 1310 (Edwards Rd)**  
Tier: **SUB-REGIONAL**      Funding: **STI**  
Municipality: **No**

**Attendees**

|                                 | Name                              | Phone No.    | E-mail                                                                                 |
|---------------------------------|-----------------------------------|--------------|----------------------------------------------------------------------------------------|
| Division Bridge Program Manager | Wade Harper                       | 252-237-6164 | <a href="mailto:waharper@ncdot.gov">waharper@ncdot.gov</a>                             |
| Division Environmental Officer  | Chad Coggins                      | 252-237-6164 | <a href="mailto:ccoggins@ncdot.gov">ccoggins@ncdot.gov</a>                             |
| Resident Engineer               | Bobby Liverman                    | 252-459-2129 | <a href="mailto:bliverman@ncdot.gov">bliverman@ncdot.gov</a>                           |
| Division Bridge Maint. Engineer | Randy Davis                       | 252-296-3552 | <a href="mailto:radavis@ncdot.gov">radavis@ncdot.gov</a>                               |
| PPU                             | Pam Williams                      | 919-707-6608 | <a href="mailto:prwilliams@ncdot.gov">prwilliams@ncdot.gov</a>                         |
| PPU                             | Jamie Lancaster                   | 919-707-6620 | <a href="mailto:jlancaster@ncdot.gov">jlancaster@ncdot.gov</a>                         |
| Hydraulics Engineer             | Jerry Lindsey                     | 919-707-6734 | <a href="mailto:jlindsey@ncdot.gov">jlindsey@ncdot.gov</a>                             |
| Hydraulics Engineer             | Andy Jordan                       | 919-707-6729 | <a href="mailto:pajordan@ncdot.gov">pajordan@ncdot.gov</a>                             |
| USACE                           | Tom Steffens                      | 910-251-4615 | <a href="mailto:Thomas.A.Steffens@usace.army.mil">Thomas.A.Steffens@usace.army.mil</a> |
| NCDEQ-DWR                       | Rob Ridings<br>(did not attend)   | 919-707-8786 | <a href="mailto:Rob.ridings@ncdenr.gov">Rob.ridings@ncdenr.gov</a>                     |
| NCWRC                           | Travis Wilson<br>(did not attend) | 919-707-0370 | <a href="mailto:travis.wilson@ncwildlife.org">travis.wilson@ncwildlife.org</a>         |
| USFWS                           | Gary Jordan                       | 919-856-4520 | <a href="mailto:Gary_jordan@fws.gov">Gary_jordan@fws.gov</a>                           |
| Locations and Surveys           | Brent Bass                        | 252-234-1118 | <a href="mailto:bwbass@ncdot.gov">bwbass@ncdot.gov</a>                                 |
| Locations and Surveys           | Paul Woodard                      | 252-234-1118 | <a href="mailto:pwoodard@ncdot.gov">pwoodard@ncdot.gov</a>                             |
|                                 |                                   |              |                                                                                        |
|                                 |                                   |              |                                                                                        |

## **Existing Features**

Feature Bridged: **630126 over Big Peachtree Creek on SR 1310 (Edwards Rd)**

Ex. Bridge Clear Deck Width: **25.583 (Ft.)**

Roadway width: **24 (Ft.)**

(Bridge / Culvert) Length: **53 (Ft.)**

Deck Width (Out To Out): **27.417 (Ft.)**

Water Depth: **3 (Ft.)**

Height Bed-To-Crown: **11 (Ft.)**

Year Built: **1952**

Posted: **SV 17**

TTST: **25**

Superstructure: **REINFORCED  
CONCRETE FLOOR ON  
TIMBER JOISTS,STD BMD-10.**

Abutment: **TIM.CAPS & PILES  
@ 8'CTS.&STL.PILE  
CRUTCHBT.**

Pier Type: **TIM.CAPS & PILES  
@ 8'CTS.&STL.PILE  
CRUTCHBT.**

Temp. Shored: **No**

Historic High Water (Elev. To The Existing Structure ): **(Ft)**

PRI: **58.588** DP: **8.56** SR: **28.36**

School Bussing crossings per day: **3 buses/5 trips**

Posted Speed Limit Vicinity: **55 mph (statutory)**

**Detour**      **Off-Site** ☒      **Stage Construction** ☐      **New Alignment** ☐      **On-site** ☐

If Off-Site, Description Of Detour Route: **SR 1308 to SR 1321 to SR 1324**

Approximate Length Of Detour? **6.6 Miles**

Improvements Needed To Road(s) On Detour? **No**

Div. Traffic Eng. Recommend Off-site detour signing? **Trailblazing with Street/Road names**

Improvements Needed To Bridges On Detour? **No**

Are future plans for upgrading this roadway either at or in the vicinity of this project? **No**

Are Bridges On Detour Currently Programmed? **No**

Are There EMS Or Business Access Issues? **No**

Are There Any Railroad Crossings On Detour? **No**

Should Work Zone Pedestrian Access Be Maintained During Construction? **No**

Overhead Utility Lines      ~~In Conflict~~

Power Transmission Lines      ~~In Conflict~~

Telephone      ~~In Conflict~~

Cable Lines      ~~In Conflict~~

Fiber Optic      ~~In Conflict~~

Water      ~~In Conflict~~

Sewer      ~~In Conflict~~

Natural Gas      ~~In Conflict~~

Other      ~~In Conflict~~

Is There Any Future Utility Construction Anticipated In The Project Area: **No**

Is A FEMA Buy-Out Property Being Impacted: **No**

## **Environmental**

Wetlands At Site: **Yes**                      Comments: **On west side**

Endangered Species In County: **Red-cockaded woodpecker; Dwarf wedgemussel; Tar River spiny mussel**

T&E species effect: **May affect, Not likely to adversely affect for mussels. No effect for woodpecker. Concurrence from USFWS will be provided by NCDOT.**

Trout County: **No**                                      TVA County: **No**

CAMA County: **No**                                      Primary Nursery Area: **No**

Moratoria: **No**                                      Which species:                                      Duration:

Permits discussion:

Water Quality Classification: **C; NSW**                                      303d: **No**

Coast Guard Permit? **No**                      Drainage Basin: **Tar-Pamlico**                      Riparian Buffer Rules: **Yes**

Is The Project Site In Or Near Any Of The Following:

|                               |           |                                 |            |
|-------------------------------|-----------|---------------------------------|------------|
| National Forest:              | <b>No</b> | Wildlife Refuge:                | <b>No</b>  |
| State, County, Or Local Park: | <b>No</b> | Wild And Scenic River:          | <b>No</b>  |
| Airport:                      | <b>No</b> | Recreation or Power Generation: | <b>No</b>  |
| Water Supply Reservoir:       | <b>No</b> | Nutrient Sensitive Waters:      | <b>Yes</b> |
| Public Use Boat Ramp:         | <b>No</b> | Cemeteries:                     | <b>No</b>  |
| VAD/Farmland Protection:      | <b>No</b> | Game Lands:                     | <b>No</b>  |

Known Or Potential Historic Properties In The Area: **No**

**Architecture: No Survey Required**                      **Archaeology: No sites present**

Is The Bridge Structure Itself, Or Any Part Thereof, Considered Historic: **No**

Impacts to a Church, Community Center, Or Other Public Facility? **No**

Is this a Statewide Bicycle Route or a Local Non-Marked Bicycle Route: **No**

Comments:

## **Geotechnical**

Are There Any Historical and/or Vibration Sensitive Structures Near By? -----

Comments:

Are There Any Known Landfills and/or Geo-environmental Hazard Sites at/or Within Close Proximity To The Project Site? -----

Comments:

Are Any Impacts Anticipated To Natural Springs Or Artesian Wells? -----

Comments:

Possible Foundation Type:

End Bents:

Interior Bents:

## Hydraulics

FEMA Approval? **Yes-Limited(MOA )**

State Stormwater Permit? **No**

Is There Unusual Scour Potential? **No**

Is Protection Needed? **Normal End Bent Protection**

Are Banks Stable? **No**

Is Protection Needed? **Normal End Bent Protection**

Appreciable Amount Of Large Debris? **Yes**

Placement Of Bents In The Water Be Allowed: **Yes**

Where: **Best Location**

Structure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **95'**

Min. Number Of Spans: **2**

Span Arrangement: **45', 50'**

Waive offset: **No**

EB Cap: **2'-6"**

Skewed: **90**

**Raise grade slightly. 100 Year WSE touches low steel.**

## Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

Environmental Document Prepared by DBE:

Low Impact Data Spreadsheet ☒

Minimum Criteria Checklist ☐

ADT: **365 per SIR**

NHS: **No**

Tier: **SUB-REGIONAL**

Func. Class: **Minor Collector**

Bridge Min. Clear Deck Width Recommended by Div.: **33' OTO**

Roadway lane width: **\_11\_ ' with \_6\_ ' shoulders, including 4' paved shoulders**

Extension of Paved shoulders: **end of guardrail**

Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **Yes**

Min. Pavement Surface Course: **3"**

Existing Roadway: **20'**

Pavement Marking: **Paint**

Pavement Markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **II Modified**

Truck Percentage: **6 % per BIR**

Reasonable Safe Speed per SIR: **45 mph**

Liquidated damages: will be imposed after **120** days of closure/construction. Amt: \$ **500** per day

CEI by? **NCDOT**

R/W by? **DBT**

R/W monuments? **Pin and Caps**

Salvageable materials: **None**

Contact Person/number:

Deliver to:

Removal of previous structure remnant abutments/piers: **None**

Sequencing priority in construction? **None**

Comments: **Provide 2-bar rail and 4' Paved shoulder to match Bridge 125 that was replaced under C203315.**