

# 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 (did not attend)	919-707-8786	<a href="mailto:Rob.ridings@ncdenr.gov">Rob.ridings@ncdenr.gov</a>
NCWRC	Travis Wilson (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: **No**

Wildlife Refuge: **No**

State, County, Or Local Park: **No**

Wild And Scenic River: **No**

Airport: **No**

Recreation or Power Generation: **No**

Water Supply Reservoir: **No**

Nutrient Sensitive Waters: **Yes**

Public Use Boat Ramp: **No**

Cemeteries: **No**

VAD/Farmland Protection: **No**

Game Lands: **No**

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: **Full 10' was not used  
In determining Bridge length**

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? **Concrete**

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.**