

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

## FIELD SCOPING MEETING WORKSHEET

### Design Build Process

TIP No.: **B-5665**      WBS No.: **45620.1.1**      Field Scoping Meeting Date: **March 21, 2016**  
 Division: **4**      Location: **On-site**  
 Route (US/NC/SR): **SR 1309**      County: **HALIFAX**  
 Project Description: **Bridge No. 138 over Little Fishing Creek on SR 1309 (Spruills Bridge Rd)**  
 Tier: **SUB-REGIONAL**      Funding: **HFB**  
 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	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>
District Engineer	Ronnie Keeter	252-583-4230	<a href="mailto:rkeeter@ncdot.gov">rkeeter@ncdot.gov</a>

## **Existing Features**

Feature Bridged: **410138 over Little Fishing Creek on SR 1309 (Spruills Bridge Rd)**

Ex. Bridge Clear Deck Width: **13.33 (Ft.)**

Roadway width: **12.5 (Ft.)**

(Bridge / Culvert) Length: **37 (Ft.)**

Deck Width (Out To Out): **13.5 (Ft.)**

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

Height Bed-To-Crown: **13 (Ft.)**

Year Built: **1955**

Posted: **SV 10**

TTST: **14**

Superstructure: **TIMBER  
FLOOR ON I-BEAMS**

Abutment:  
**REINF.CONC.ABUTS.**

Pier Type:  
**REINF.CONC.ABUTS.**

Temp. Shored: **No**

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

PRI: **38.93**

DP: **10.378**

SR: **34.99**

School Bussing crossings per day: **None**

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

**Detour**

**Off-Site** ☐

**Stage Construction** ☐

**New Alignment** ☒  
**West side**

**On-site** ☐

If Off-Site, Description Of Detour Route:

**N/A**

Approximate Length Of Detour?

**N/A**

Improvements Needed To Road(s) On Detour?

**N/A**

Div. Traffic Eng. Recommend Off-site detour signing?

**N/A**

Improvements Needed To Bridges On Detour?

**N/A**

Are future plans for upgrading this roadway either at or in the vicinity of this project? **Yes -  
realignment**

Are Bridges On Detour Currently Programmed?

**N/A**

Are There EMS Or Business Access Issues?

**No**

Are There Any Railroad Crossings On Detour?

**N/A**

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: Comments:

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 Mussel. No effect for woodpecker. Concurrence from USFWS will be supplied 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: Survey Required**

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** (MOA )

State Stormwater Permit? **No**

Is There Unusual Scour Potential? **Yes**

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: **No** Where:

Structure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **160'**

Min. Number Of Spans:3

Span Arrangement: **50',70',40'**

Waive offset: **No**

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

Skewed: **Yes**

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

Off-Site ☐

Stage Construction ☐

New Alignment ☒

On-site ☐

**Alignment - West**

Environmental Document Prepared by DBE:

Low Impact Data Spreadsheet ☒

Minimum Criteria Checklist ☐

ADT: **270 per SIR**

NHS: **No**

Tier: **SUB-REGIONAL**

Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **30' OTO**

Roadway lane width: **\_\_10\_\_ ' with \_\_3\_\_ ' shoulders, unpaved road**

Extension of Paved shoulders: **N/A**

Pave to face of guardrail and **blunt end**

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

Existing Roadway: **13' -gravel**

Pavement Marking: **None**

Pavement Markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **II Modified**

Truck Percentage: **6 % per BIR**

Reasonable Safe Speed per SIR: 10 **mph**

Liquidated damages: will be imposed after **180** days of closure/construction. Amt: \$ **\_\_600\_\_** 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 visible**

Sequencing priority in construction? **None**

Comments: **Design Speed of 35 mph. Realign road to the west. Pave to end of guardrail. Rest of alignment to be ABC.**