

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	waharper@ncdot.gov
Division Environmental Officer	Chad Coggins	252-237-6164	ccoggins@ncdot.gov
Resident Engineer	Bobby Liverman	252-459-2129	bliverman@ncdot.gov
Division Bridge Maint. Engineer	Randy Davis	252-296-3552	radavis@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
PPU	Jamie Lancaster	919-707-6620	jlancaster@ncdot.gov
Hydraulics Engineer	Jerry Lindsey	919-707-6734	jlindsey@ncdot.gov
Hydraulics Engineer	Andy Jordan	919-707-6729	pajordan@ncdot.gov
USACE	Tom Steffens	910-251-4615	Thomas.A.Steffens@usace.army.mil
NCDEQ-DWR	Rob Ridings (did not attend)	919-707-8786	Rob.ridings@ncdenr.gov
NCWRC	Travis Wilson	919-707-0370	travis.wilson@ncwildlife.org
USFWS	Gary Jordan	919-856-4520	Gary_jordan@fws.gov
Locations and Surveys	Brent Bass	252-234-1118	bwbass@ncdot.gov
Locations and Surveys	Paul Woodard	252-234-1118	pwoodard@ncdot.gov
District Engineer	Ronnie Keeter	252-583-4230	rkeeter@ncdot.gov

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:	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: 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: **140'** Min. Number Of Spans:3 Span Arrangement: **35',70',35'**
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? **Pin and caps**

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 40 mph. Realign road to the west. Pave to end of guardrail. Rest of alignment to be ABC.**