

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

TIP No.: **B-5663** WBS No.: **45618.1.1** Field Scoping Meeting Date: **Feb. 17, 2016**
Division: **4** Location: **On-site**
Route (US/NC/SR): **SR 1124** County: **JOHNSTON**
Project Description: **Bridge No. 46 over Mill Creek on SR 1124 (Reedy Prong Church 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
Div. 4 Asst. Resident Engineer	Rob Pate	252-459-2129	repate@ncdot.gov
District Engineer	Jiles Harrell	919-739-5300	jpharrell@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 (did not attend)	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 (did not attend)	919-707-0370	travis.wilson@ncwildlife.org
USFWS	Gary Jordan (did not attend)	919-856-4520	Gary_jordan@fws.gov
Locations and Surveys	Derek Bradner	336-334-5085	jbradner@ncdot.gov
Location and Surveys	Paul Woodard	252-234-1118	pwoodard@ncdot.gov

Existing Features

Feature Bridged: **500046 over Mill Creek on SR 1124 (Reedy Prong Church Rd)**

Ex. Bridge Clear Deck Width: **24.832 (Ft.)**

Roadway width: **22 (Ft.)**

(Bridge / Culvert) Length: **90 (Ft.)**

Deck Width (Out To Out): **25.41 (Ft.)**

Water Depth: **7 (Ft.)**

Height Bed-To-Crown: **17 (Ft.)**

Year Built: **1969**

Posted: **SV 26**

TTST: **30**

Superstructure: **PRESTRESSED
CONCRETE
CHANNELS(STD.BMD-13)**

Abutment **PPC CAPS
TIM.PILES@BT.1PILE3
SPLICED ENC.W/CONC.**

Pier Type: **PPC CAPS
TIM.PILES@BT.1PILE3
SPLICED ENC.W/CONC.**

Temp. Shored: **No**

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

PRI: **51.39** DP: **3.5** SR: **33.74**

School Bussing crossings per day: **2 buses/ 3 trips**

Posted Speed Limit Vicinity: **Statutory 55 mph**

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

If Off-Site, Description Of Detour Route: **NC50 to SR 1122**

Approximate Length Of Detour? **4.2 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~~ – **Yes, but not visible**

Cable Lines ~~In Conflict~~

Fiber Optic ~~In Conflict~~

Water ~~In Conflict~~ – **downstream(southside)**

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: **All quadrants**

Endangered Species In County: Red cockaded woodpecker, Dwarf Wedgemussel, Tar River spiny mussel, Michaux's sumac

T&E species effect: May affect, not likely to adversely affect for Dwarf Wedgemussel and Tar spiny mussel

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

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

Moratoria: **No** Duration:

Permits discussion:

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

Coast Guard Permit? **No** Drainage Basin: **Neuse** 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 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: **Informal consultation has been initiated with USFWS for Mussels.**

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? **No** Is Protection Needed? **Std. End Bent Protection**
Are Banks Stable? **Yes** Is Protection Needed? **Std. End Bent Protection**
Appreciable Amount Of Large Debris? **Low**
Placement Of Bents In The Water Be Allowed: **No** Where:
Structure Type: **Bridge** If Bridge: **CS** If girder; why?
Length Of Structure: **115'** Min. Number Of Spans: **3** Span Arrangement: **30-60-25**
Waive offset: **No** EB Cap: **4'-0"** Skewed: **90**

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: **345 per SIR** NHS: **No** Tier: **SUB-REGIONAL** Func. Class: **Local**
Bridge Min. Clear Deck Width Recommended by Div.: **30' OTO**
Roadway lane width: **11** ' with **3** ' shoulders
Extension of Paved shoulders: **N/A**
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: **55 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 Visible**
Sequencing priority in construction? **None**
Comments: **Stripe to match existing lane widths.**