

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

WBS No.: **17BP.6.R.91/B-5529**

Field Scoping Meeting Date: **May 8, 2017**

Division: **6**

Location: **On-site**

Route (US/NC/SR): **SR 1003**

County: **Robeson**

Project Description: **Bridge No. 770434 over Back Swamp on SR 1003**

Tier: **Subregional – Minor Collector**

Funding: **State**

Municipality:

Attendees

	Name	Phone No.	E-mail
Division Bridge Program Manager	Christy Huff	910-364-0600	chuff@ncdot.gov
Division Environmental Officer	Jim Rerko	910-364-0580	jjrerko@ncdot.gov
Resident Engineer	Mike Parker	910-618-5689	jmparkerjr@ncdot.gov
Div. 6 District Engineer	Chuck Miller	910-618-5546	csmiller@ncdot.gov
Div. 6 Locating Engineer	John Kaukola	910-486-1338	jkaukola@ncdot.gov
Robeson County Maint. Engineer	Brice Bell	910-618-5543	bricebell@ncdot.gov
Div. 6 Bridge Engineer	Darren Pittman	910-364-0670	dpittman@ncdot.gov
Robeson Bridge Maint. Supervisor	Daniel Leggett	910-618-5542	dtleggett@ncdot.gov
Hydraulics Engineer	Andy Jordan	919-707-6729	pajordan@ncdot.gov
Hydraulics Engineer	Jon Moore	919-707-6738	Jlmoore6@ncdot.gov
DENR-DWR	Joanne Steenhuis	910-796-7306	Joanne.steenhuis@ncdenr.gov
Div. 6 Bridge Maint.	Mike Fisher	910-364-0670	mdfisher@ncdot.gov
PPU	Jamie Lancaster	919-707-6620	jlancaster@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
Div. 6 Const. Staff Engineer	Joe Bailey	910-364-0600	Jwbailey1@ncdot.gov

Existing Features

Feature Bridged: **770434 over Back Swamp on SR 1003**

Ex. Bridge Clear Deck Width: **30 (Ft.)**

Roadway width: **29.08 (Ft.)**

(Bridge / Culvert) Length: **76 (Ft.)**

Deck Width (Out To Out): **30.5 (Ft.)**

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

Height Bed-To-Crown: **10 (Ft.)**

Year Built: **1970**

Posted: SV **35 tons**

TTST: **39 tons**

Superstructure: **pre-str conc. channels**

Abutment: **Concrete caps on timber piles**

Pier Type:

Temp. Shored: **No**

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

PRI: **51.52**

DP: **0.5**

SR: **27.67**

School Bussing crossings per day:

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

Detour

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

If Off-Site, Description Of Detour Route: **SR 1159 to SR 1160**

Approximate Length Of Detour? **3.2 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?

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

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

Overhead Utility Lines In Conflict **downstream**

Power Transmission Lines ~~In Conflict~~

Telephone In Conflict **downstream**

Cable Lines In Conflict **downstream**

Fiber Optic In Conflict **downstream**

Water In Conflict **upstream**

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: **No** Comments:

Endangered Species In County: **American Alligator, Red-cockaded woodpecker, Michaux's sumac**

T&E species effect: **No effect**

Trout County: **No**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration:

Permits discussion: **NW3**

Water Quality Classification: **WS-IV; Sw (14-8-(2.5))**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Lumber**

Riparian Buffer Rules: **No**

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: **No**

Public Use Boat Ramp: **No**

Cemeteries: **No**

VAD/Farmland Protection: **No**

Game Lands: **No**

Known Or Potential Historic Properties In The Area:

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: **No permits required by DWR**

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) **Re-delineated**

Is There Unusual Scour Potential? **No** Is Protection Needed? **Std**

Are Banks Stable? **Yes** Is Protection Needed? **Std**

Appreciable Amount Of Large Debris? **Moderate**

Placement Of Bents In The Water Be Allowed: **Yes** Where: **Not within 5' of water edge**

Structure Type: **Bridge** If Bridge: **CS** If girder; why?

Length Of Structure: **85** Min. Number Of Spans: **2** Span Arrangement: **1@40, 1@45**

Waive offset: **Yes** EB Cap: **2'-6"** Skewed: **90 degrees**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

Clear roadway width:

Temp. Signals:

Alignment: N, E, W, S

Alignment: N, E, W, S

Clear roadway width:

one lane w/ signals:

or two lanes CRW:

Alignment: N, E, W, S

Environmental Document Prepared by DBE:

Low Impact Data Spreadsheet ☐

Minimum Criteria Checklist ☒

ADT: **2100 per SIR** NHS: **No** Tier: **Subregional** Func. Class: **Minor Collector**

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

Roadway lane width: **11'** with **6'** shoulders with **2'** paved shoulders

Extension of Paved shoulders: **end of construction limits and taper down to 2' and blunt end**

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

Min. Pavement Surface Course: **3" B Mix on finished surface course**

Existing Roadway: **26'**

Pavement Marking: **Thermoplastic**

Pavement Markers: **Raised**

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? **Pin and cap.**

Salvageable materials: **None**

Contact Person/number:

Deliver to:

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

Sequencing priority in construction? **High priority**

Comments: **Relocate drives on south end, provide Type III (do not shop curve anchor units), remove drive pipes and replace.**

Structure No: 770434

