

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

WBS No.:

17.BP.11.R.143 (B-4686)

Field Scoping Meeting Date: **5/18/2017**

Division: **11**

Location: **On-site**

Route (US/NC/SR):

County: **Yadkin**

Project Description: **Bridge No. 980010 over South Deep Creek on SR 1710 (Old Stage Rd)**

Tier: **SUBREGIONAL**

Funding: **State**

Municipality: **N/A**

Attendees

	Name	Phone No.	E-mail
Division Bridge Program Manager	Jami Guynn	336-903-9220	jcguyenn@ncdot.gov
Division BPM Assistant	Mark Johnson	336-903-9208	mgjohnson4@ncdot.gov
Division Environmental Officer	Heath Slaughter	336-903-9202	hslaughter@ncdot.gov
Division L&S	Landon Wagoner	336-903-9501	rlwagoner@ncdot.gov
Hydraulics Engineer	Marc Shown	919-707-6751	mshown@ncdot.gov
Hydraulics Engineer	Rusty Lassiter	919-707-6732	rlassiter@ncdot.gov
PPU	Eileen Fuchs	919-707-6613	Eafuchs@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov

Existing Features

Feature Bridged: **Bridge No. 980010 over South Deep Creek on SR 1710**

Ex. Bridge Clear Deck Width: **24 (Ft.)**

Roadway width: **24 (Ft.)**

(Bridge / Culvert) Length: **151 (Ft.)**

Deck Width (Out To Out): **25.583 (Ft.)**

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

Height Bed-To-Crown: **21 (Ft.)**

Year Built: **1963**

Posted: **SV 20**

TTST: **26**

Superstructure: **Prestressed
Concrete Channels**

Abutment: **PPC
CAPS/TIM.PILES**

Pier Type: **:PPC
CAPS/TIM.PILES**

Temp. Shored: **Yes, STL.CAPS/H-PILES**

Historic High Water (Elev. To The Existing Structure): **18± (Ft)**

PRI:

DP:

SR: **8.25**

School Bussing crossings per day: **6 bus
trips/day**

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

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

If Off-Site, Description Of Detour Route: **SR 1710 (Watkins Road) -SR 1001 (Courtney Huntsville Road) -
SR 1711 (Speer Bridge Road) - US 421**

Approximate Length Of Detour? **6.97 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?

Low impact

Are There Any Railroad Crossings On Detour?

No

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

Overhead Utility Lines In Conflict west

Power Transmission Lines ~~In Conflict~~

Telephone In Conflict west

Cable Lines In Conflict west

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: Trib upstream SW quadrant

Endangered Species In County: **No**

T&E species effect: **None**

Trout Watershed: **No**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration:

Permits discussion:

Water Quality Classification: **C; WSIV**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Yadkin**

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: **No**

Architecture: No

Archaeology: No

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:

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-redelineation possible CLOMR** (MOA)

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

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

Appreciable Amount Of Large Debris? **Low**

Placement Of Bents In The Water Be Allowed: **Yes** Where: **one at water's edge**

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

Length Of Structure: **160; need offsets** Min. Number Of Spans: **3** Span Arrangement: **1@50, 1@70, 1@40**

Waive offset: **No** EB Cap: **4'** Skewed:

Items To Be Discussed / Resolved At FSM By Attendees

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

Environmental Document Prepared by DEO: Minimum Criteria Checklist ☒

ADT: **1400 per Traffic forecast** NHS: **No** Tier: **SUBREGIONAL** Func. Class: **Local**

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

Roadway lane width: **11'** with **4'** shoulders, including **2'** paved shoulders

Extension of Paved shoulders: **project limits**

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

Min. Pavement Surface Course: **2.5"** Existing Roadway:

Pavement Marking: **paint** Pavement Markers: **None**

Will Railroad Involvement Be Required: **No** Method of Clearing: **II**

Truck Percentage: **Duals =2 %** **TTST = 1 %** 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 & Cap;**

Salvageable materials: **(Channel Leg Beams, Standard Guardrail, Guardrail Post, Guardrail Fish Tail Ends, Concrete Caps, all Steel Cribbing such as H- Pile (Bent 1, 2, and 3), 24" I beams with welded H pile on (Bent 2 and 3), 24" I beam (Bent 1), all Connector pieces H-pile, I Beam, Bearing Plates, etc. that are part of the cribbing (Bent 1, 2, and 3) and I beams (Span 2)**

Contact Person/number: **Gary Robbins, it is crucial that he is given at a minimum of 24 hours' notice of delivery. Contractor to contact Gary before loading truck to find out how it is best loaded and unloaded.**

Deliver to: **Yadkinville Bridge Maintenance Lot 1636 Shacktown Road, Yadkinville, NC 27055. Contractor to deliver and NCDOT will unload materials as long as materials are loaded in a fashion that DOT's loader or boom truck can offload.**

Removal of previous structure remnant abutments/piers: **No**

Sequencing priority in construction? **No**

Comments: **PVC Pipe attached to bridge-upstream/west; currently cattle can cross under bridge, access shall remain.**