

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

TIP No.: **B-4683** WBS No.:
 17.BP.11.R.146 Field Scoping Meeting Date: **5/18/2017**

Division: **11** Location: **On-site**

Route (US/NC/SR): County: **Yadkin**

Project Description: **Bridge No. 980020 over South Deep Creek on SR 1152 (Neelie 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. 980020 over South Deep Creek on SR 1152 (Neelie Road)**

Ex. Bridge Clear Deck Width: **19.167 (Ft.)**

Roadway width: **18 (Ft.)**

(Bridge / Culvert) Length: **91 (Ft.)**

Deck Width (Out To Out): **20.083 (Ft.)**

Water Depth: **1 (Ft.)**

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

Year Built: **1963**

Posted: **SV 14**

TTST: **17**

Superstructure: **Timber Floor
on I-Beams (BMD-8)**

Abutment: **TIMBER
CAPS/TIMBER PILES@
VAR.CTS.**

Pier Type: **TIMBER
CAPS/TIMBER PILES@
VAR.CTS.**

Temp. Shored: **Yes**

Historic High Water (Elev. To The Existing Structure): **13± (Ft)**

PRI:

DP:

SR: 21.09

School Bussing crossings per day: **Division**

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

Detour

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

If Off-Site, Description Of Detour Route: **SR 1150 to US 601 to SR 1002**

Approximate Length Of Detour? **3.3 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~~

Power Transmission Lines

~~In Conflict~~

Telephone

In Conflict - east side.

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: **No**

Comments:

Endangered Species In County: **No**

T&E species effect: **No**

Trout: **No**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration:

Permits discussion:

Water Quality Classification: **WS III**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Yadkin River**

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: NHP

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, per B-4683 environmental document.**

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)

Is There Unusual Scour Potential? **No**

Is Protection Needed? **STD**

Are Banks Stable? **Yes; sand bars**

Is Protection Needed? **STD**

Appreciable Amount Of Large Debris? **moderate**

Placement Of Bents In The Water Be Allowed:
Yes

Where: **1 in water; 20' from existing pier, east side (right) to allow better area for debris to pass through due to bent in creek**

Structure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **115**

Min. Number Of Spans: **2**

Span Arrangement: **1@65,1@50**

Waive offset: **waive set back on upstream (north end) only due to ditch**

EB Cap: **4'**

Skewed:

- **Hold upstream (west) side of bridge, asymmetrical widening may be used**

Items To Be Discussed / Resolved At FSM By Attendees

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

Environmental Document Prepared:

State Minimum Criteria Checklist ☒ **completed as B-4683**

ADT: **200 per SIR** NHS: **No** Tier: **SUBREGIONAL** Func. Class: **Local, rural**

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

Roadway lane width: **10'** with **3'** shoulders, including **0'** paved 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: **2.5"**

Existing Roadway:

Pavement Marking: **Paint**

Pavement Markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **II**

Truck Percentage: **2% duals, 1% TTST**

Reasonable Safe Speed per SIR: **25 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: **All steel I beams, diaphragms, bearing plates, etc., and all timber caps and all good supplemented legs (Care with demolition needs to be taken)**

Contact Person/number: **Gary Robbins (336) 530-6051**

Deliver to: **1636 Shacktown Rd Yadkinville NC 27055**

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

Sequencing priority in construction? **850012 highest priority, then 040177, then 130115, then 980020**

Comments: