

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

TIP: **WBS: 17BP.11.R.154** **Field Scoping Meeting Date: January 29, 2020**

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

Route (US/NC/SR): SR 2516 **County: Wilkes**

Project Description: Structure 960733 over Cub Creek on SR 2516 (Industrial Park Road)

Tier: Sub-Regional **Funding: Federal**

Municipality: Wilkesboro

Attendees

	Name	Phone	E-mail
Division Bridge Program Manager	Joe Laws, PE	(336)903-9138	jlaws@ncdot.gov
Division Environmental Officer	Kevin Hining	(336)903-9129	kjhining@ncdot.gov
Division Bridge Maintenance Supervisor	Andrew Glasco	(336)903-9198	apglasco@ncdot.gov
Division Construction Engineer	Trent Beaver, PE	(336)903-9117	tbeaver@ncdot.gov
Division Bridge Maintenance Engineer	David Wayne, PE	(336)903-9124	dwayne@ncdot.gov
Division Utility Coordinator	Susan Huffman	(336)903-9137	sohuffman@ncdot.gov
PPU	Jess Earley, PE	(919)707-6606	jsearley@ncdot.gov
PPU	David Stark, PE	(919)707-6605	dstark@ncdot.gov
Hydraulics Engineer	Marc Shown, PE	(919)707-6751	mshown@ncdot.gov
Hydraulics Engineer	Jon Moore, PE	(919)707-6738	Jlmoore6@ncdot.gov
USACE	Lori Beckwith	(828)271-7980 ext. 4223	Loretta.A.Beckwith@usace.army.mil
NCDEQ-DWR	Dave Wanucha	(336)776-9703	Dave.wanucha@ncdenr.gov
USFWS	Claire Ellwanger	(828)258-3939 ext. 235	Claire.ellwanger@fws.gov
NCWRC	Marla Chambers	(704)244-8907	Marla.chambers@ncwildlife.org
Division Locating Engineer	Larry Absher	(336)903-9500	lraabshe@ncdot.gov

Existing Features

Feature Bridged: **Structure 960733 over Cub Creek on SR 2516**

Ex. Bridge Clear Deck Width: **24.083 ft**

Roadway width: **20 ft**

(Bridge / Culvert) Length: **36 ft**

Deck Width (Out To Out): **24.083 ft**

Water Depth: **2 ft**

Height Bed-To-Crown: **14 ft**

Year Built: **1974**

Posted: SV **99**

TTST: **99**

Superstructure: **Steel Plank
Floor on I-Beams**

Abutment: **Timber Caps / Timer
Piles**

Pier Type: **1 @ 35'-10"**

Temp. Shored: **N/A**

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

PRI: **36.42**

DP: **0**

SR: **41.29**

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: **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? **N/A**

Are Bridges On Detour Currently Programmed? **N/A**

Are There EMS Or Business Access Issues? **Yes**

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

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

Overhead Utility Lines In Conflict **Yes**

Power Transmission Lines In Conflict **Yes**

Telephone In Conflict **Yes**

Cable Lines In Conflict **Yes**

Fiber Optic In Conflict

Water In Conflict **Yes**

Sewer In Conflict **Yes**

Natural Gas In Conflict **Yes**

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: **Bog Turtle, Gray Bat, Northern Long-Eared Bat, Rusty-Patched Bumble Bee**

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

Trout Watersheds: **No**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species: **N/A**

Duration: **N/A**

Permits discussion: **Nationwide 3**

Water Quality Classification: **C**

303d:

Coast Guard Permit? **No**

Drainage Basin: **Yadkin-Pee Dee 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: 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 n-Marked Bicycle Route: **Checking Complete Streets for bike accommodations within Municipality.**

Comments:

Geotechnical

Are There Any Historical and/or Vibration Sensitive Structures Near By? -----

Comments:

Are There Any Kwn 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?
Is There Unusual Scour Potential? **No** Is Protection Needed? **No**
Are Banks Stable? **Yes** Is Protection Needed? **No**
Appreciable Amount Of Large Debris? **No**
Placement Of Bents In The Water Be Allowed: **No** Where: **N/A**
Structure Type: **Bridge** If Bridge: **CS** If girder; why?
Length Of Structure: **70 ft** Min. Number Of Spans: **1** Span Arrangement: **1 @ 70ft**
Waive offset: **Vertical Abutement westside (waved); Sloping Abutement Eastside (not waived)** EB Cap: **4'-0"** Skewed: **Yes**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☐ Stage Construction ☒ New Alignment ☐ On-site ☐
Clear roadway width: **12ft** Clear roadway width:
Temp. Signals: **Yes** one lane w/ signals:
Alignment: **South, Upstream** or two lanes CRW:
Alignment: **N, E, W, S** Alignment: **N, E, W, S**
Environmental Document Prepared by DEO Or PEF: **PEF (TGS)**
CE (federal) ☒ Minimum Criteria Checklist (state) ☐
ADT: **900 per BIR (96)** NHS: **0** Tier: **Sub-Regional** Func. Class: **Urban Local**
Bridge Min. Clear Deck Width Recommended by Div.: **33 ft**
Roadway lane width: **10'** with **3'** shoulders
Extension of Paved shoulders: **End of Project Limits taper 8:1**
Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **Yes**
Min. Pavement Surface Course: **3"** Existing Roadway: **20 ft**
Pavement Marking: **Paint** Pavement Markers: **None**
Will Railroad Involvement Be Required: **No** Method of Clearing: **Type II Modified**
Truck Percentage: **7% per BIR** Reasonable Safe Speed per SIR: **35 mph (from speed study)**
Liquidated damages: will be imposed after **150** days of closure/construction. Amt: **\$500** per day
CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **Pin & Cap**
Salvageable materials: **All Steel**
Contact Person/number: **Andrew Glasco**
Deliver to: **Division 11 Maintenance Yard North Wilkesboro**
Removal of previous structure remnant abutments/piers: **Yes**
Sequencing priority in construction? **No**

Additional Comments: **300 feet total (both sides), Muncipale Agreement: Wilkesboro (acquiring)**

