

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

TIP:

WBS: 17BP.11.R.157

Field Scoping Meeting Date: January 20, 2020

Division: 11

Location: On-site

Route (US/NC/SR): SR 1422

County: Alleghany

Project Description: Structure 020035 over Glade Creek on SR 1422 (Fox Ridge Road)

Tier: Sub-Regional

Funding: Federal

Municipality:

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	Chad Cox	(336)384-2562	cwcox@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	lrabsher@ncdot.gov

Existing Features

Feature Bridged: **Structure 020035 over Glade Creek on SR 1422**

Ex. Bridge Clear Deck Width: **24 ft**

Roadway width: **19 ft**

(Bridge / Culvert) Length: **81 ft**

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

Water Depth: **2 ft**

Height Bed-To-Crown: **17 ft**

Year Built: **1970**

Posted: **SV 15**

TTST: **18**

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

Abutment: **End/Interior Bents H-
Piles encased in concrete**

Pier Type: **2 @ 40'-3"**

Temp. Shored: **N/A**

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

PRI: **52.11**

DP: **9.74**

SR: **27.27**

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 1433—SR 1444—US 21—SR 1430**

Approximate Length Of Detour? **8 miles**

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? **N/A**

Are There Any Railroad Crossings On Detour? **N/A**

Should Work Zone Pedestrian Access Be Maintained During Construction? **N/A**

Overhead Utility Lines

In Conflict

Power Transmission Lines

In Conflict

Telephone

In Conflict **Yes**

Cable Lines

In Conflict **Yes**

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:

Is A FEMA Buy-Out Property Being Impacted:

Environmental

Wetlands At Site: **No** Comments:

Endangered Species In County: **Bog Turtle, Gray Bat, Northern Long-eared Bat**

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

Trout Watershed: **Yes**

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; Tr**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **New 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**

Kwn Or Potential Historic Properties In The Area: **No**

Architecture: No Survey Required

Archaeology: Survey Required (After Survey - NO sites found)

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: **No**

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: **BB** If girder; why?
Length Of Structure: **100ft** Min. Number Of Spans: 1 Span Arrangement: **1@100ft**
Waive offset: **Yes** EB Cap: **Vertical Abutments** Skewed: **Yes**

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 Alignment:
Environmental Document Prepared by DEO Or PEF: **PEF (TGS)**
CE (federal) ☒ Minimum Criteria Checklist (state) ☐
ADT: **460 per SIR** NHS: **0** Tier: **Sub-Regional** Func. Class: **Local**
(2015)
Bridge Min. Clear Deck Width Recommended by Div.: **36 ft**
Roadway lane width: **12'** 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: **19 ft**
Pavement Marking: **Paint** Pavement Markers: **None**
Will Railroad Involvement Be Required: **No** Method of Clearing: **Type II Modified**
Truck Percentage: **6% 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: **Chad Cox**
Deliver to: **Division 11 Maintenance Yard Ashe County**
Removal of previous structure remnant abutments/piers: **Yes, fully remove interior bent foundation.**
Sequencing priority in construction? **First Priority**
Comments: **800 ft of approach work**



