

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

WBS No.: **17BP.11.R.32**

Field Scoping Meeting Date: **May 5, 2014**

Division: **11**

Location: **On-site**

Route (US/NC/SR): **SR1302**

County: **WILKES**

Project Description: **Bridge No. 960700 over LITTLE CREEK on SR 1302 (Caseys Branch Road)**

Tier: **Sub-Regional**

Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Jami Guynn	336-903-9220	jcguynn@ncdot.gov
Division Environmental Off.	Heath Slaughter	336-903-9202	hslaughter@ncdot.gov
Hydraulics Engineer	Randy Henegar	919-707-6726	rhenegar@ncdot.gov
Hydraulics Engineer	Marc Shown	919-707-6751	mshown@ncdot.gov
Hydraulics Engineer	Rusty Lassiter	919-707-6732	rlassiter@ncdot.gov
TPMU	Virginia Mabry	919-707-6604	vmabry@ncdot.gov
Bridge Management	Paul Garrett	919-707-6457	pgarrett@ncdot.gov
NCWRC	Marla Chambers	704-984-1070	Marla.chambers@ncwildlife.org

Existing Features

Feature Bridged: **960700 over LITTLE CREEK on SR1302 (Caseys Branch Road)**

Ex. Bridge Clear Deck Width: **15.8 (Ft.)** Roadway width: **12 (Ft.) gravel**

(Bridge / Culvert) Length: **19 (Ft.)** Deck Width (Out To Out): **17.2 (Ft.)**

Water Depth: **1(Ft.)** Height Bed-To-Crown: **6(Ft.)**

Year Built: **1960** Posted: SV **11** TTST: **18**

Superstructure: **ST M-BM ;** Abutment: **TM** Pier Type: **NONE**

Temp. Shored:

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

PRI: **69.98** DP: **12.51** SR: **26.45** School Bussing crossings per day: **1 bus for a total of 2 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: **N/A**

Approximate Length Of Detour? **No outlet – dead end road**

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

Are There EMS Or Business Access Issues? **No response**

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

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

Overhead Utility Lines In Conflict **Yes Power**

Power Transmission Lines In Conflict

Telephone In Conflict **Yes**

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: **Bog Turtle; Northern Long-Eared bat**

T&E species effect: **No**

Trout County : **Yes**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration :

Permits:

Water Quality Classification: **C;Tr**

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/Gamelands: **No**

State, County, Or Local Park: **No**

Wild And Scenic River: **No**

Airport: **No**

Recreation Of Power Generation: **No**

Water Supply Reservoir: **No**

Nutrient Sensitive Waters: **No**

Public Use Boat Ramp: **No**

Cemeteries: **No**

VAD-Farmland Preservation: **No**

Known Or Potential Historic Properties In The Area:

Architecture: No Survey Required

Archaeology: No National Register

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: **Trout Buffer variance will be required; parallel JS in NW Quadrant.**

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**

Hydraulics

FEMA Approval? **No** State Stormwater Permit? **No**
Is There Unusual Scour Potential? Is Protection Needed? **Standard**
Are Banks Stable? **Yes** Is Protection Needed? **Standard**

Appreciable Amount Of Large Debris? **No**

Placement Of Bents In The Water Be Allowed: Where:

Superstructure Type: **Culvert** If Bridge: If girder; why?

Length Of Structure: Min. Number Of Spans: Span Arrangement:

Waive offset: Cap: Skewed:

20'7" x 5'3" Aluminum box with low flow channel and Headwalls. Use aluminum headwall if skew allows otherwise use concrete headwall.

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☐ Stage: ☒ (upstream of 700) New Alignment: ☐ On-site detour ☒ (upstream of 700)
Clear roadway width (CRW):
9' lane with 1' shy on each side
Temp. Signals:
Stage speed: 15mph
Alignment: east of existing
Bridge 960403
CRW:
9' lane with 1' shy on each side; stage speed = 15 mph;
Alignment – east of existing
Bridge 960403

Environmental Document Prepared by DBE: Low Impact Data Spreadsheet ☐ Minimum Criteria Checklist ☒

ADT: **100 per SIR** NHS: **0** Tier: **Sub-Regional** Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.:

Roadway lane width: **Total roadway width is 18' including shoulder; 14' travel lane with 2' graded shoulders**

Extension of shoulders: **extend 50' from the outermost culvert wing wall in each direction and then taper to the existing shoulder on an 8:1 taper on both sides of the proposed culvert**

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

Min. Pavement Surface Course: **N/A** Existing Roadway: **12' gravel**

Pavement Marking: **None** Pavement markers: **None**

Will Railroad Involvement Be Required: Method of Clearing: **III**

Truck Percentage: : **0% per BIR;** Reasonable Safe Speed per SIR: **25 mph per SIR**

Liquidated damages: will be imposed after see below days of closure/construction. Amt: \$ 500 per day

CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **Pin/caps to be provided & installed by DBT**

Salvageable materials: **all new and salvageable timber joist**

Contact Person/number: **David Wayne (336) 903-9124**

Deliver to: **303 Statesville Road, North Wilkesboro, NC 28659**

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

Sequencing priority in construction? Build concurrently with 960403

Comments: **Option for on-site Detour or stage construction.**

If staged – **both 30 days. Individually 15 days. 5 days per box culvert if road closed. Eliminate Guardrail.**

Structure No: 960700

Wilkes 960700

