

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

WBS No.: **17BP.11.R.100**

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

Division: **11**

Location: **On-site**

Route (US/NC/SR): **SR 1728**

County: **WILKES**

Project Description: **Bridge No. 960153 over DUNGEON CREEK on SR 1728 (Longbottom 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	336-447-8785	hslaughter@ncdot.gov
Division Bridge Maint. Eng.	David Wayne	336-903-9124	Dwayne@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
Division Const. Engineer	Trent Beaver	336-903-9117	tbeaver@ncdot.gov
NCWRC	Marla Chambers	704-984-1070	Marla.chambers@ncwildlife.org

Existing Features

Feature Bridged: **960153 over DUNGEON CREEK on SR 1728 (Longbottom Road)**

Ex. Bridge Clear Deck Width: **22.67 (Ft.)** Roadway width: **18 (Ft.)**

(Bridge / Culvert) Length: **26 (Ft.)** Deck Width (Out To Out): **24(Ft.)**

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

Year Built: **1965** SV: **25** TTST: **38**

Superstructure: **Timber Floor on salvaged I-Beams** Abutment: **Timber caps, posts & sills** Pier Type: **NONE**

Temp. Shored: **No**

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

PRI: **59.2** DP: **2.5** SR: **74.26** School Bussing crossings per day: **3 buses for a total of 6 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? **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 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	
Power Transmission Lines	In Conflict	
Telephone	In Conflict	Yes
Cable Lines	In Conflict	
Fiber Optic	In Conflict	Yes
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: **Yes**

Which species: **Rainbow Trout** Duration : **January 1 to April 15**

Permits:

Water Quality Classification: **C**

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: **Approx. 0.5 miles from #151.**

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? **No** 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:

1 @ 20' x 4' three-sided culvert

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☐ Stage: ☒ New Alignment: ☐ On-site detour ☐

**Clear roadway width
(CRW):12'
10' lane with 1' shy each side
Temp. Signals: Yes
Stage speed: 20mph
Alignment:**

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

ADT: **220 per SIR** NHS: **0** Tier: **Sub-Regional** Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.:

Roadway lane width **9'** with **4'** shoulders; extend shoulders to eliminate need for guardrail

Extension of Paved shoulders: **N/A**

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

Min. Pavement Surface Course: **2-1/2"** inches: Existing Roadway: **18' paved**

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

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

Truck Percentage: : **6 % per BIR;** Reasonable Safe Speed per SIR: **30 mph per SIR**

Liquidated damages: will be imposed after **60** days of construction. Amt: \$ **350** per day

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

Salvageable materials: **all steel I beams and new timber flooring**

Contact Person/number: **Rick Minton at (336) 903-9124**

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

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

Sequencing priority in construction? **Bridge # 150, #151 and # 153 are first priority; # 150 and # 151 shall be built concurrently.**

Comments:

Wilkes 960153

