

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

WBS No.: **17BP.11.R.94**

Field Scoping Meeting Date: **May 6, 2014**

Division: **11**

Location: **On-site**

Route (US/NC/SR): **SR1321**

County: **AVERY**

Project Description: **Bridge No. 050056 over CURTIS CREEK on SR1321 (Curtis Creek 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: **050056 over CURTIS CREEK on SR1321 (Curtis Creek Road)**

Ex. Bridge Clear Deck Width: **19.10 (Ft.)** Roadway width: **15 (Ft.)**

(Bridge / Culvert) Length: **17 (Ft.)** Deck Width (Out To Out): **20(Ft.)**

Water Depth: **1(Ft.)** Height Bed-To-Crown: **4(Ft.)**

Year Built: **1694** Posted: SV **10** TTST: **17**

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

Temp. Shored: **No**

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

PRI: **75.2** DP: **20.2** SR: **6** School Bussing crossings per day: **1 bus for a total of 4 crossings per day; Moderate concerns**

Posted Speed Limit Vicinity: **Statutory 55 mph**
(hair pin curve-25 mph)

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

If Off-Site, Description Of Detour Route: **No outlet – Dead end road**

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?

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/Phone Not in conflict**

Power Transmission Lines In Conflict

Telephone In Conflict

Cable Lines In Conflict

Fiber Optic In Conflict

Water In Conflict

Sewer In Conflict

Natural Gas In Conflict

Other In Conflict

Based On The Past History Near This Project Site, What Is The Estimated Time Required To Complete Utility Adjustments **3 Months**

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, Carolina northern flying squirrel, Virginia big eared bat, Spruce-fir moss spider, Blue Ridge goldenrod, Heller's blazing star, Roan mountain bluet, Spreading avens, Rock gnome lichen, Northern long-eared bat**

T&E species effect: **No**

Trout County : **Yes**

TVA County: **Yes**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **Yes**

Which species: **Rainbow Trout**

Duration : **January 1 to April 15**

Permits: **NWP #3, TVA**

Water Quality Classification: **C; Tr**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Watauga**

Riparian Buffer Rules: **No**

Is The Project Site In Or Near Any Of The Following:

National Forest: **near Pisgah Nat'l Forest**

Wildlife Refuge: **No**

All adjacent properties are privately owned

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**

Known Or Potential Historic Properties In The Area:

Architecture: No Historic

Archaeology: No survey required

Properties Affected

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: **Pisgah National Forest; however, all adjacent properties are privately owned. Japanese Knotweed commitment**

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: **No** Where:
Superstructure Type: **Bridge** If Bridge: **CS** If girder; why?
Length Of Structure: **25'** Min. Number Of Spans: **1** Span Arrangement:
Waive offset: **Yes** Cap: **4'** Skewed: **Yes**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☐ Stage: ☒ New Alignment: ☐ On-site detour ☐
Clear roadway width (CRW): **11'**
Temp. Signals: **Yes due to curves**
Alignment: **Either side**
9' lane, 1' shy (offset) each side
stage speed of 15 mph
Environmental Document Prepared by DBE: Low Impact Data Spreadsheet ☒ Minimum Criteria Checklist ☐
ADT: **500 TEAAS (2014)** NHS: **0** Tier: **Sub-Regional** Func. Class: **Local**
Bridge Min. Clear Deck Width Recommended by Div.: **27' out to out**
Roadway lane width **_10_'** with **_3_'** 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: **2-1/2"** inches: Existing Roadway: **15**
Pavement Marking: **Paint** Pavement markers: **None**
Will Railroad Involvement Be Required: Method of Clearing: **II Modified**
Truck Percentage: : **6 % per BIR;** Reasonable Safe Speed per SIR: **25 mph**
Liquidated damages: will be imposed after **180** days of closure/construction. Amt: \$ **500** per day
CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **DBT to provide & install Pin/Cap**
Salvageable materials: **All steel I-beams & timber caps**
Contact Person/number: **David Scott (828) 268-6062 (DBT to deliver)**
Deliver to: **Boone Bridge Maintenance Facility at 1989 NC Hwy 194 North, Boone NC 28607**
Removal of previous structure remnant abutments/piers: **None**
Sequencing priority in construction? **None**
Comments: **Japanese knotweed - commitment**

Avery 050056

