

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

WBS No.: **17BP.11.R.119**

Field Scoping Meeting Date: **Dec. 9, 2015**

Division: **11**

Location: **On-Site**

Route (US/NC/SR): **SR 1356**

County: **Wilkes**

Project Description: **Bridge No. 960072 on SR 1320 (Congo Road) over Tucker Hole Creek**

Tier: **Subregional**

Municipality: **near N. Wilkesboro**

**Attendees**

|                               | <b>Name</b>             | <b>Phone No.</b>       | <b>E-mail</b>                            |
|-------------------------------|-------------------------|------------------------|------------------------------------------|
| Division Bridge Manager       | <b>Jamie Guynn</b>      | <b>(336) 903-9220</b>  | <b>jcguyenn@ncdot.gov</b>                |
| Division Environmental Off.   | <b>Heath Slaughter</b>  | <b>(336) 903-9202</b>  | <b>hslaughter@ncdot.gov</b>              |
| Hydraulics Engineer           | <b>Marc Shown</b>       | <b>(919) 707-6751</b>  | <b>mshown@ncdot.gov</b>                  |
| Hydraulics Engineer           | <b>Rusty Lassiter</b>   | <b>(919) 707-6732</b>  | <b>rlassiter@ncdot.gov</b>               |
| PPU                           | <b>Pam Williams</b>     | <b>(919) 707-6608</b>  | <b>prwilliams@ncdot.gov</b>              |
| PPU                           | <b>Paul Garrett</b>     | <b>(919) 707- 6633</b> | <b>pgarrett@ncdot.gov</b>                |
| USACE*                        | <b>Steve Kichefski</b>  | <b>(828) 271-7980</b>  | <b>Steven.L.Kichefski@usace.army.mil</b> |
| DENR-DWQ*                     | <b>Dave Wanachu</b>     | <b>(336) 771-4951</b>  | <b>Dave.wanachu@ncdenr.gov</b>           |
| USFWS*                        | <b>Andrew Henderson</b> | <b>(828) 258-3939</b>  | <b>andrew_henderson@fws</b>              |
| NCWRC*                        | <b>Marla Chambers</b>   | <b>(704) 984-1070</b>  | <b>Marla.chambers@ncwildlife.org</b>     |
| Division Utility Coordinator* | <b>Susan Huffman</b>    | <b>(336) 903-9137</b>  | <b>sohuffman@ncdot.gov</b>               |
| Asst. Bridge program Mgr.     | <b>Mark Johnson</b>     |                        |                                          |
|                               |                         |                        |                                          |
|                               |                         |                        |                                          |
|                               |                         |                        |                                          |
|                               |                         |                        |                                          |

\*Invited but could not attend.

## **Existing Features**

Feature Bridged: **960072 over Tucker Hole Creek on SR 1320 (Congo Road)**

Ex. Bridge Clear Deck Width: **24 (Ft.)**

Roadway width: **18(Ft.)**

(Bridge / Culvert) Length: **35 (Ft.)**

Deck Width (Out To Out): **24.25 (Ft.)**

Water Depth: **1 (Ft.)**

Height Bed-To-Crown: **13 (Ft.)**

Year Built: **1950**

Posted: SV **not posted** TTST: **not posted**

Superstructure: **Timber Floor on  
I-Beams**

Abutment: **Timber Posts** & Pier Type:  
**Sills**

Temp. Shored: **NO**

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

PRI: DP: **0** SR: **65.77**

School Bus crossings per day: **7 buses for a  
total of 14 crossings per day**

Posted Speed Limit Vicinity: **35 (mph)**

Detour Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

If Off-Site, Description Of Detour Route: **SR 1500 - SR 1372–SR 1327–Bus 421- SR 1323 –  
SR 1322**

Approximate Length Of Detour? **2.0 ( Miles)**

Improvements Needed To Road(s) On Detour ? **No**

Div. Traffic Eng. Recommend Off-site detour signing? **Trailblazing with Street/Road names**

Improvements Needed To Bridges On Detour? **No**

Are future plans for upgrading this roadway either at or in the vicinity of this project? **No**

Are Bridges On Detour Currently Programmed ? **No**

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

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

Telephone In Conflict **Yes**

Cable Lines In Conflict

Fiber Optic In Conflict

Water In Conflict **Yes**

Sewer In Conflict **Yes**

Natural Gas In Conflict

Other In Conflict

Is There Any Future Utility Construction Anticipated In The Project Area? **None anticipated**

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: **None**

Trout County : **Yes, but no moratorium**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration :

Water Quality Classification: **WS-IV; TR**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Yadkin River / PeeDee**

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 Or 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 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 Non-Marked Bicycle Route: **No**

Comments:

## **Geotechnical**

Are There Any Historical and/or Vibration Sensitive Structures Nearby: **Yes** Comments: **Houses upstream**

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: **No**

Comments:

Possible Foundation Type:

## Hydraulics

FEMA Approval? **No** State Storm water Permit?  
Is There Unusual Scour Potential? **No** Is Protection Needed? **STD**  
Are Banks Stable? **Yes** Is Protection Needed? **STD**  
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: **55'** Min. Number Of Spans: **1** Span Arrangement: **1 @ 55**  
Waive offset: **Yes, both** Cap: **4'** Skewed: **Yes, skew with creek sides**

Comments: **Vertical abutment cast in place due to height. Hold upstream face of bridge.**

## Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☒ Stage: ☐ New Alignment: ☐ On-site detour ☐  
Clear roadway width (CRW): Alignment; N, E, W, S CRW:  
Temp. Signals: Alignment; N, E, W, S one lane w/ signals;  
Alignment: N, E, W, S or two lanes CRW;  
Alignment;  
Environmental Document Prepared by DBE: Low Impact Data Spreadsheet ☒ Minimum Criteria Checklist ☐  
ADT: **1600** per **SIR** NHS: No Tier: **Sub-regional** Func. Class: **Minor Collector**

Bridge Min. Clear Deck Width Recommended by Div.: **30' OTO**  
Roadway lane width **10** ' with **4** ' shoulders including **2** ' paved shoulders  
Extension of Paved **shoulders: end of guardrail**  
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: Paved  
Pavement Marking: **Paint** Pavement markers: **None**  
Will Railroad Involvement Be Required: **No** Method of Clearing: **III**  
Truck Percentage: **7 % per BIR** Reasonable Safe Speed per SIR: **35 mph posted**  
Liquidated damages: will be imposed after **60** days of closure/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, DIAPHRAMS, BEARING PLATES, ETC., AND ALL TIMBER CAPS AND NEWER POSTS. ALL GUARDRAIL (THRI RAIL), POST, POST BLOCKS, AND END TERMINALS.

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? **None**

Comments: **due to impact at northwest corner, use IA 350. Relocate driveway at NW corner.**

