

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

WBS No.: **48085.1.1 (B-5892)**

Field Scoping Meeting Date: **March 16, 2016**

Division: **13**

Meeting Location: **On-site**

Route (US/NC/SR): **SR 1325**

County: **Mitchell**

Project Description: **Bridge No. 600157 over Beans Creek on SR 1325 (Beans Creek Road)**

Tier: **Sub-regional**

Funding: **State**

Municipality: **N/A**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Chris Medlin	(828) 298-1128	cdmedlin@ncdot.gov
Division Environmental Off.	Yates Allen	(828) 251-6171	yallen@ncdot.gov
Hydraulics Engineer	Marc Shown Rusty Lassiter	(919) 707-6751	mshown@ncdot.gov
PPU	Pam Williams	(919) 707-6608	prwilliams@ncdot.gov
PPU	Eileen Fuchs	(919) 707-6613	eafuchs@ncdot.gov
DENR-DWQ	Kevin Barnett	(828) 296-4657	Kevin. Barnett@ncdenr.gov
USFWS	Andrew Henderson	(828) 258-3939 ext. 227	andrew_henderson@fws.gov
Division Utility	Robert Briggs	(828) 251-6171 ext. 224	rbriggs@ncdot.gov

Gersheon Carver & Steve Gosnell– L&S

Paul Roberts – Asheville Bridge

Existing Features

Feature Bridge: **Bridge No. 600157 over Beans Creek on SR 1325 (Beans Creek Road)**

Exist. Bridge Clear Deck Width: **17'**

Approach Roadway width: **18'**

Bridge Length: **31'**

Deck Width (Out To Out): **18'**

Water Depth: **2'**

Height Bed-To-Crown: **9'**

Year Built: **1958**

Posted Weight Limits: SV: **19** TST: **28**

Superstructure:
Timber floor on Timber Joists

Substructure: **End bents & Int. bents : Timber Caps / posts & sills / concrete footing**

Pier Type: **1@ 15'-6; 1@15'-1**

Temp. Shored:

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

PRI: **34.58** DP: **2.50** SR: **42.3**

School Bus crossings per day: **3**

Posted Speed: **55 mph (Statory)**

Detour Off-Site

Stage Construction

New Alignment

On-site

If Off-Site, Description Of Detour Route: **N/A**

Approximate Length Of Detour? **N/A – dead end road**

Improvements Needed To Road(s) On Detour? **N/A**

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

Improvements Needed To Bridges On Detour? **N/A**

Are future plans for upgrading this roadway either at or in the vicinity of this project?

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

Are There EMS Or Business Access Issues? **No, per Mitchell County EMS response, the potential impacts on Emergency Medical Services will be minimal**

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 **See Below**

Telephone In Conflict

Cable Lines In Conflict

Fiber Optic In Conflict

Water In Conflict

Sewer In Conflict

Natural Gas In Conflict

Other In Conflict

There are no utilities attached to the bridge; Final Survey DGN file will be provided

Duke Energy has a power transmission line the runs along the easterly side of SR 1325.

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: **Bean Creek is JS**

Endangered Species In County: Per NHP records, there are no T&E element occurrences within 1.0 mile of the bridge. Biological conclusion for the following is "No Effect": Carolina northern flying squirrel, Bog turtle, Spruce-fir moss spider, Spreading avens, Rock gnome lichen, Bald eagle, Virginia Spirea

Northern Long Eared Bat, Gray Bat, Appalachian Elktoe and Tan Riffleshell: **No Effect**

Trout County : **Yes**

TVA County: **Yes**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **Yes**

Which species: **Trout**

Duration: **Oct 15- April 15**

Permits discussion:

Water Quality Classification: **Class C; Trout**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin:

Riparian Buffer Rules: **None**

French Broad

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**

Known Or Potential Historic Properties In The Area:

Architecture:

Archaeology:

No Survey Required

No Archaeology Sites Present

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**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour Stage: New Alignment: On-site detour
Clear roadway width (CRW): **12'** Alignment; **N, E, W, S** **CRW: 12'**
Temp. Signals: one lane – 10' w/ 1'shy each side (east of exist. bridge)
Alignment: **Alignment; N, E, W, S**

Environmental Document Prepared by DBE: Low Impact Data Spreadsheet

Minimum Criteria Checklist

ADT (2016): **410 VPD** NHS: 0 Tier: **Sub-regional** Func. Class: **Local**
(per Keith Dixon, TPB, emailed: 5/14/18)

Bridge Min. Clear Deck Width Recommended by Div.: **24' Out To Out (hold upstream face)**

Roadway lane width **9'** with **3'** shoulders or pave to face of guardrail

Extension of Paved shoulders: **to end of guardrail and taper 8:1**

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

Min. Pavement Surface Course: **2.5"** (inches): Existing Roadway: **18'**

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

Will Railroad Involvement Be Required: **No** Method of Clearing: **II Mod**

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

Liquidated damages: will be imposed after **120** days of closure/construction. Amt: **\$ 500** per day

CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **Conc.**

Salvageable materials: **None to salvage**

Contact Person/number: **N/A**

Deliver to: **N/A**

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

Sequencing priority in construction? **None**

Comments:

- **pave 150' on each side of roadway approach**
- **dead end road**