

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

TIP No.: WBS No.: Field Scoping Meeting Date: **5/18/2017**
 17BP.11.R.141

Division: **11** Location: **On-site**

Route (US/NC/SR): County: **Caldwell**

Project Description: **Bridge No. 130115 over Greasy Creek on SR 1310 (Abington Road)**

Tier: **SUBREGIONAL** Funding: **State**

Municipality: **Town of Lenoir City Limits on east side**

Attendees

	Name	Phone No.	E-mail
Division Bridge Program Manager	Jami Guynn	336-903-9220	jcguyenn@ncdot.gov
Division BPM Assistant	Mark Johnson	336-903-9208	mgjohnson4@ncdot.gov
Division Environmental Officer	Heath Slaughter	336-903-9202	hslaughter@ncdot.gov
Division L&S	Landon Wagoner	336-903-9501	rlwagoner@ncdot.gov
Hydraulics Engineer	Rusty Lassiter	919-707-6732	rlassiter@ncdot.gov
PPU	Eileen Fuchs	919-707-6613	eafuchs@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov

Existing Features

Feature Bridged: **Bridge No. 130115 over Greasy Creek on SR 1310**

Ex. Bridge Clear Deck Width: **28 (Ft.)** Roadway width: **21 (Ft.)**

(Bridge / Culvert) Length: **61 (Ft.)** Deck Width (Out To Out): **28.167 (Ft.)**

Water Depth: **1 (Ft.)** Height Bed-To-Crown: **12 (Ft.)**

Year Built: **1972** Posted: SV **15** TTST: **20**

Superstructure: **Steel Plank Floor on I-Beams** Abutment: **TIMBER CAPS/TIMBER PILES @ VAR. CENTERS** Pier Type: **TIMBER CAPS/TIMBER PILES @ VAR. CENTERS**

Temp. Shored: **No**

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

PRI: DP: **SR: 12.69** School Bussing crossings per day:

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

Detour **Off-Site** ☐ **Stage Construction** ☐ **New Alignment**
 ☒ to the south;
 maintain two-lane,
 2-way traffic on
 existing, min. 10'
 lanes **On-site** ☐

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

Approximate Length Of Detour? **5 miles**

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? **No**

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

Are There EMS Or Business Access Issues? **Low impact**

Are There Any Railroad Crossings On Detour? **No**

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

Overhead Utility Lines In Conflict - yes crosses over bridge

Power Transmission Lines ~~In Conflict~~

Telephone In Conflict yes

Cable Lines In Conflict yes

Fiber Optic ~~In Conflict~~

Water In Conflict **north**

Sewer ~~In Conflict~~

Natural Gas In Conflict **east of project**

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:

T&E species effect: **None**

Trout Watershed: **No**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration:

Permits discussion:

Water Quality Classification: **C**

303d: **No ***

Coast Guard Permit? **No**

Drainage Basin: **Catawba**

Riparian Buffer Rules: **No**

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: **No**

Architecture: No Survey Required (6/15/17)

Archaeology: No Survey Required (7/18/17)

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: **Yes, 2 bar rail**

Comments: *** is on 303d list, not on 303d list for sedimentation so not DSSW, Per DEO**

- Parallel jurisdictional stream is located in the southeast quadrant (downstream left), approximately 40 feet in length, to where rip rap begins. The JS will be a take and require mitigation. Hydraulic design will need to take this into account***

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 Bents:

Hydraulics

FEMA Approval? **No** (MOA)

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:

Structure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **70'**

Min. Number Of Spans: **1**

Span Arrangement: **1 @ 70'**

Waive offset: **No**

EB Cap: **4'**

Skewed:

Immediately downstream (south side)

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☐

Stage Construction ☐

New Alignment ☒ immediately
downstream (south side)

On-site ☐

Environmental Document Prepared by DEO:

Low Impact Data Spreadsheet ☐

Minimum Criteria Checklist ☒

ADT: **3700 per SIR** NHS: **No** Tier: **SUBREGIONAL**

Func. Class: **Minor Collector, Rural
per SDV**

Bridge Min. Clear Deck Width Recommended by Div.: **36' OTO with 2 bar rail**

Roadway lane width: **12'** with **6'** shoulders, including **4'** paved shoulders

Extension of Paved shoulders: **end of project limits 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"**

Existing Roadway: **asphalt**

Pavement Marking: **Thermo**

Pavement Markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **II**

Truck Percentage: **6%**

Reasonable Safe Speed per SIR: **40 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? **Pin & Cap**

Salvageable materials: **All guardrail, wheel guard, post, post blocks, etc. All steel I beams, diaphragms, bearing plates, etc., and all timber caps and all good supplemented legs (Care with demolition needs to be taken)**

Contact Person/number: **Andrew Glasco, (336) 903-9198**

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

Removal of previous structure remnant abutments/piers: **no**

Sequencing priority in construction? **850012 highest priority, then 040177, then 130115, then 980020**

Comments: **existing bridge in curve, provide max 03 super on bridge**