

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

TIP: **B-6018** WBS: **48213.1.1** Field Scoping Meeting Date: **11/8/18**
Division: **13** Location: **On-site**
Route (US/NC/SR): **SR 1296** County: **Buncombe**
Project Description: **Structure 100536 over Newfound Creek on SR 1296 (Brooks Branch Road)**
Tier: **Sub-Regional** Funding: **Federal**
Municipality: **N/A**

Attendees

	Name	Phone	E-mail
Division Bridge Manager	Chris Medlin	(828) 298-1128	cdmedlin@ncdot.gov
Division Engineering Specialist	Joel Davis	828-298-1128	jmdavis@ncdot.gov
Division Environmental Officer	Roger Bryan	(828) 251-6171 ext. 221	rdbryan@ncdot.gov
Hydraulics Engineer	Marc Shown	(919) 707-6751	mshown@ncdot.gov
Division Location & Surveys	Richard Hensley	828-667-9616	rhensley@ncdot.gov
Division Location & Surveys	Lee House	828-667-9616	jlhouse@ncdot.gov
PPU	Pam Williams	(919) 707-6608	prwilliams@ncdot.gov
PPU	Jess Earley	(919) 707-6606	jsearley@ncdot.gov
USFWS	Claire Ellwanger		claire_ellwanger@fws.gov
NCDWR	Kevin Barnett		Kevin.barnett@ncdwr.gov

Existing Features

Feature Bridged: **Bridge 100536 over Newfound Creek on SR 1296**

Ex. Bridge Clear Deck Width: **17.75 Ft**

Roadway width: **14 Ft**

(Bridge / Culvert) Length: **31 Ft**

Deck Width (Out To Out): **18.75 Ft**

Water Depth: **1 Ft**

Height Bed-To-Crown: **7 Ft**

Year Built: **1959**

Posted: SV: **22**

TTST: **29**

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

Abutment: **Timber Caps/Timber
Posts & Sills @ Var. Cts.**

Pier Type: **1@30'-6"**

Temp. Shored:

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

PRI: **56.85**

DP: **0**

SR: **7**

School Bussing crossings per day: **Division**

Posted Speed Limit Vicinity: **55 mph (statutory)**

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 future plans for upgrading this roadway either at or in the vicinity of this project? **N/A**

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

Are There EMS Or Business Access Issues? **Division**

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

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, Carolina Northern Flying Squirrel, Gray Bat, Northern Long-Eared Bat, Spotfin Chub, Appalachian Elktoe, Rusty-Patched Bumble Bee, Spruce-Fir Moss Spider, Tan Riffleshell, Spreading Aven, Virginia Spiraea, Rock Gnome**

T&E species effect: **No**

Trout County: **Yes**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration:

Permits discussion: **Nationwide 14**

Water Quality Classification: **C**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **French Broad**

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**

Kwn Or Potential Historic Properties In The Area: **No**

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? See comments

Is this a Statewide Bicycle Route or a Local n-Marked Bicycle Route: **No**

Comments: Intersecting road is a bike route; **maintain access to the Leicester Fire Station at all times**

Geotechnical

Are There Any Historical and/or Vibration Sensitive Structures Near By? -----

Comments:

Are There Any Kwn 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? **Yes** (MOA)

State Stormwater Permit? **No**

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: **N/A** Where:

Structure Type: **Culvert**

If Bridge: **N/A**

If girder; why?

Length Of Structure: **N/A**

Min. Number Of Spans: **N/A**

Span Arrangement: **N/A**

Waive offset: **N/A**

EB Cap: **N/A**

Skewed: **90°**

3 Barrel – 11x5 RCBC – low flow 1 barrel

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☐

Stage Construction ☒

New Alignment ☐

On-site ☒

Downstream--to the east side

Clear roadway width: **16ft for farm equipment**

Temp. Signals: **N/A**

Alignment: N, E, W, S

Downstream -to the east side

Clear roadway width: **16ft for farm equipment**

one lane w/ signals: **N/A**

or two lanes CRW:

Alignment: N, E, W, S

Environmental Document Prepared by DEO:

CE (federal) ☒

Minimum Criteria Checklist (state) ☐

ADT: **500 per SIR**

NHS: **0**

Tier: **Sub-Regional**

Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **N/A**

Roadway lane width: **9'** 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: **3"**

Existing Roadway: **18ft**

Pavement Marking: **Paint**

Pavement Markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **Type II**

Truck Percentage: **6 % per BIR**

Reasonable Safe Speed per SIR: **35 mph (from speed study)**

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? **Conc.**

Salvageable materials: **Steel beams**

Contact Person/number: **Buncombe County Bridge Maintenance Yard**

Deliver to: **Shannon Woody (828) 298-1128**

Removal of previous structure remnant abutments/piers: **All existing structure**

Sequencing priority in construction? **None**

Structure No:100536

Comments: **The DB Team shall cooperate with the Resident on bus turnarounds and provide bus turnarounds with ABC as necessary for culverts not constructed during the summer.**

