

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

TIP: **B-6017**                      WBS: **48212.1.1**                      Field Scoping Meeting Date: **11/8/18**  
Division: **13**    Location: **On-site**  
Route (US/NC/SR): **SR 1151**    County: **Madison**  
Project Description: **Structure 560222 over Back Branch on SR 1151 (Baltimore 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	jllhouse@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 No. 560222 over Back Branch on SR 1151**

Ex. Bridge Clear Deck Width: **16.33 Ft**

Roadway width: **18 Ft**

(Bridge / Culvert) Length: **22 Ft**

Deck Width (Out To Out): **17.833 Ft**

Water Depth: **1 Ft**

Height Bed-To-Crown: **6 Ft**

Year Built: **1951**

Posted: **SV 23**

TTST: **32**

Superstructure: **Timber Floors  
on Salvaged I-Beams**

Abutment: **Timber Caps/Yount  
Masonry**

Pier Type: **1 @ 22'**

Temp. Shored:

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

PRI: **39.25**

DP: **2.5**

SR: **48.62**

School Bussing crossings per day: **Buses per  
day: 1, Trips per day: 4**

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? **N/A**

Are There Any Railroad Crossings On Detour? **N/A**

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

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: **Gray Bat, Northern Long-Eared Bat**

T&E species effect: **No effect**

Trout County: **Yes**

TVA County:

CAMA County: **No**

Primary Nursery Area:

Moratoria: **No**

Which species: **N/A**

Duration: **N/A**

Permits discussion: **Nationwide 3**

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: Survey Required—Effects  
Required**

**Archaeology: Survey Required—No Effect**

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 n-Marked Bicycle Route: **No**

Comments:

## **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? **No** (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? **Moderate**

Placement Of Bents In The Water Be Allowed: **No** Where:

Structure Type: **Bridge**

If Bridge: **CS or BB**

If girder; why?

Length Of Structure: **30ft**

Min. Number Of Spans: **1**

Span Arrangement: **1@30ft**

Waive offset: **Yes**

EB Cap: **4'-0"**

Skewed: **60°**

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

Off-Site ☐

Stage Construction ☐

New Alignment ☐

On-site ☒

Clear roadway width:

Temp. Signals:

Alignment: N, E, W, S

Alignment: N, E, W, S

Clear roadway width: 1- 10ft lane  
one lane w/ signals: Yes, 15mph  
Alignment: Downstream (South)

Environmental Document Prepared by DEO:

CE (federal) ☒

Minimum Criteria Checklist (state) ☐

ADT: **510 per SIR**

NHS: **0**

Tier: **Sub-Regional**

Func. Class: **Minor Collector**

Bridge Min. Clear Deck Width Recommended by Div.: **27 ft OTO**

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: **3"**

Existing Roadway: **17ft**

Pavement Marking: **Paint**

Pavement Markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **Type II Modified**

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: **No**

Contact Person/number:

Deliver to:

Removal of previous structure remnant abutments/piers: **Remove all**

Sequencing priority in construction? **None**

Comments:

Structure No: 560222

