

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

TIP: **B-6010**                      WBS: **48205.1.1**                      Field Scoping Meeting Date: **11/8/18**  
Division: **13**    Location: **On-site**  
Route (US/NC/SR): **SR 1183**    County: **Madison**  
Project Description: **Structure 560302 over Shut in Creek on SR 1183 (Upper Shut-In 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. 560302 over Shut in Creek on SR 1183**

Ex. Bridge Clear Deck Width: **19.167 Ft**

Roadway width: **17 Ft**

(Bridge / Culvert) Length: **26 Ft**

Deck Width (Out To Out): **20.167 Ft**

Water Depth: **1 Ft**

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

Year Built: **1963**

Posted: **SV 10**

TTST: **14**

Superstructure: **3 Sub & 2 Top  
Diagonal Floor Beams**

Abutment: **Timber Cap/Timber  
Post & Sills @ Various Centers**

Pier Type: **1 @ 26'**

Temp. Shored:

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

PRI: **66.79**

DP: **20.27**

SR: **16.28**

School Bussing crossings per day: **2 Buses @ 8  
trips per day**

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?

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? **N/A**

Overhead Utility Lines

In Conflict

Power Transmission Lines

In Conflict **Yes**

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:

Trout County: **Yes**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species: **N/A**

Duration: **N/A**

Permits discussion: **B.E.**

Water Quality Classification: **C; Tr**

303d:

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: **Pisgah National Forest**

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? **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?

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: **N/A** Where:

Structure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **55 ft**

Min. Number Of Spans: **1**

Span Arrangement: **1 @ 55ft**

Waive offset: **Yes**

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

Skewed: **60°**

Hydraulic maintain existing LOS for final

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

Off-Site ☐

Stage Construction ☒

New Alignment ☐

On-site ☐

Clear roadway width: 1-10ft lane  
with 1ft offsets

Temp. Signals: Yes

Upstream side (South)

Clear roadway width:  
one lane w/ signals:

or two lanes CRW:

Alignment: N, E, W, S

Alignment: N, E, W, S

Alignment: N, E, W, S

Environmental Document Prepared by DEO:

CE (federal) ☒

Minimum Criteria Checklist (state) ☐

ADT: **330 per SIR**

NHS: **0**

Tier: **Sub-Regional**

Func. Class: **Local**

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

Roadway lane width: **9'** with **3'** shoulders, including **0'** paved 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:

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: **None**

Contact Person/number:

Deliver to:

Removal of previous structure remnant abutments/piers: **Yes**

Sequencing priority in construction? **Priority due to low posting**

Structure No: 560302

Comments: **Coordinate with Forest Service.**

Sequence and Schedule Restrictions--Property surrounding both bridges is within the National Forest Service Lands and the Department will enter into a Category 5 Agreement accordingly. In such case, the Department will be required to prepare documentation and coordinate with the US Forest Service based on the final design. The Design-Build Team shall anticipate that it will take roughly 6 months from the National Forest Service receiving approved Right of Way plans to conclusion of the Category 5 process. No additional contract time will be granted provided that the Category 5 process concluded in the aforementioned 6-month time frame. Therefore, the Design-Build Team is encouraged to schedule the design early in contract. The Department will be responsible for any costs payable to the US Forest Service as part of this coordination including review cost, land use cost, and environmental assessment and impacts.

