NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

FIELD SCOPING MEETING WORKSHEET

Design Build Process

WBS No.: **48079.1.1 (B-5886)** Field Scoping Meeting Date: **March 15, 2016**

Division: **13** Location: **On-site**

Route (US/NC/SR): **SR 1178** County: **Rutherford**

Project Description: **Bridge No. 800058 over Mountain Creek on SR 1178 (Maple Creek Road)**

Tier: **Sub-regional** Funding: **State**

Municipality: **N/A**

Attendees – Same on March 15th

	Name	Phone No.	E-mail
Division Bridge Manager	**Chris Medlin**	**(828) 298-1128**	**cdmedlin@ncdot.gov**
Division Environmental Off.	**Roger Bryan**	**(828) 251-6171 ext. 221**	**rdbryan@ncdot.gov**
Division Const. Engineer	**Rick Tipton**	**(828) 251-6171**	**rtipton@ncdot.gov**
Hydraulics Engineer	**Rusty Lassiter**	**(919) 707-6732**	**rlassiter@ncdot.gov**
Hydraulics Engineer	**Marc Shown**	**(919) 707-6751**	**mshown@ncdot.gov**
PPU	**Pam Williams**	**(919) 707-6608**	**prwilliams@ncdot.gov**
PPU	**Eileen Fuchs**	**(919) 707-6613**	**eafuchs@ncdot.gov**
Resident Engineer	**Chris Guffey**	**(828) 652-7848**	**caguffey@ncdot.gov**
DENR-DWQ	***Kevin Barnett**	**(828) 296-4657**	**Kevin.Barnett@ncdenr.gov**
Asheville Bridge	**Paul Roberts**	**(828) 298-1128**	**paulroberts@ncdot.gov**
Division Utility	**Robert Briggs**	**(828) 251-6171 ext. 224**	**rbriggs@ncdot.gov**
L & S	**Gersheon Carver**	**(828) 667-9616**	**gdcarver@ncdot.gov**
L & S	**Steve Gosnell**	**(828) 667-9616**	**sgosnell@ncdot.gov**

* attended remainder of March 15th, beginning with this bridge

Existing Features

Feature Bridge: **Bridge No. 800058 over Mountain Creek on SR 1178 (Maple Creek Road)**

Ex. Bridge Clear Deck Width: 19.17 (**Ft.)** Roadway width: 19 **(Ft.)**

(Bridge / Culvert) Length: 106 (**Ft.)** Deck Width (Out To Out): 20.00 **(Ft.)**

Water Depth: 2 **(Ft.)** Height Bed-To-Crown: 20 **(Ft.)**

Year Built: 1950 Posted: SV: **18** TTST: **23**

Superstructure: TIMBER FLOOR ON SALVAGED I-BEAMS

Abutment: End Bents 1 & 2: Timber Caps & piles ; Bent 1 Timber caps, piles & sills / concrete footing

Pier Type: **1 @ 35'-6; 1 @ 34'-6; 1 @ 35'-6**

Temp. Shored:

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

PRI: **33.48** DP: **0.00** **SR: 43.26** School Bus crossings per day: **2 buses (4 trips)**

Posted Speed Limit Vicinity:

Posted Speed: 45 mph

Detour Off-Site ☒ **Stage Construction** ☐ **New Alignment** ☐ **On-site** ☐

If Off-Site, Description Of Detour Route: **SR 1175 – SR 1172 – SR 1174 - SR 1178**

Approximate Length Of Detour? **3.7 miles**

Improvements Needed To Road(s) On Detour? **No**

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

Improvements Needed To Bridges On Detour? **No**

Are future plans for upgrading this roadway either at or in the vicinity of this project? B-5889 (800265) letting on same contract

Are Bridges On Detour Currently Programmed? Bridge 86 & 106 are on the detour route. Bridge 106 is programmed, but let date is May 2022 (project should be completed by then).

Are There EMS Or Business Access Issues? **EMS-No**

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

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

Overhead Utility Lines	In Conflict - **Yes; Rutherford Electric**
Power Transmission Lines	In Conflict
Telephone	In Conflict - **Yes; AT & T overhead & underground**
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: bald eagle, bog turtle, dwarf-flowered heartleaf, rock gnome lichen, small whorled pogonia, white irisette, Indiana Bat, Northern Long-Eared Bat

T&E species effect: No effect

Trout County : **No** TVA County: **No**

CAMA County; **No** Primary Nursery Area: **No**

Moratoria: **No** Which species: Duration :

Permits discussion: Final design, tree clearing & percussive activities information will be provided in the permit application.

Water Quality Classification: **Water Supply IV** 303d: **No**

Coast Guard Permit? **No** Drainage Basin: **Broad River** 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:
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 Non-Marked Bicycle Route: **No**

Comments: **sand dredging downstream; gun shooting range upstream**

Geotechnical

Are There Any Historical And/Or Vibration Sensitive Structures Near By: No 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**

Hydraulics

FEMA Approval? **Yes, Limited Detail** State Stormwater Permit? **No**

Is There Unusual Scour Potential? **No** Is Protection Needed?

Are Banks Stable? **Yes** Is Protection Needed?

Appreciable Amount Of Large Debris? **No**

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

Superstructure Type: **Bridge** If Bridge: **CS /BB** If girder; why?

Length Of Structure: **120'** Min. Number Of Spans: 2 Span Arrangement: 1 @ 90'; 1 @ 30'

Waive offset: **No** Cap: **4'** Skewed: **90 degree; hold low chord; hold southern face of bridge**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☒ Stage: ☐ New Alignment: ☐ On-site detour ☐

Clear roadway width (CRW):
Temp. Signals:
Alignment: N, E, W, S

Alignment; N, E, W, S

CRW:
one lane w/ signals;
or two lanes CRW;
Alignment;

Environmental Document Prepared by DEO: Minimum Criteria Checklist ☒

ADT: **840 per BIR** NHS: 0 Tier: Sub-regional Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **30 ' OTO**

Roadway lane width _**10**_ **'** 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"** inches: Existing Roadway: 17'

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: 35 **mph**

Liquidated damages: will be imposed after **_150__** days of closure/construction. Amt: **$** _**500**__ per day

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

Salvageable materials: **Guardrail, posts and beams**

Contact Person/number: **Cliff Thomas** cbthomas1@ncdot.gov **(828) 286-3191**

Deliver to: **Contractor to deliver to Rutherford County Bridge Maintenance Yard located at: 909 Ledbetter Road, Spindale, 28160; DOT will offload**

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

Sequencing priority in construction? **No**

Comments: **Near B-5889 (800265).**