

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

WBS No.: **55045.1.1 (B-5415)**

Field Scoping Meeting Date: **March 15, 2016**

Division: **13**

Location: **On-site**

Route (US/NC/SR): **SR 1793**

County: **Rutherford**

Project Description: **Bridge No. 800088 over Branch of Sandy Run Creek on SR 1793 (McKinney Mill 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	rtpion@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. 800088 over Branch of Sandy Run Creek on SR 1793 (McKinney Mill Road)**

Ex. Bridge Clear Deck Width: 24.92 (Ft.)

Roadway width: **19 (Ft.)**

(Bridge / Culvert) Length: **91 (Ft.)**

Deck Width (Out To Out): 25.50 (ft)

Water Depth: 1 (Ft.)

Height Bed-To-Crown: 15 (Ft.)

Year Built: 1962

Posted: SV: **17**

TTST: **21**

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

Abutment: **End bents: timber caps/timber piles; Bents: timber caps /timber posts & concrete sills**

Pier Type: **1 @ 30'-6 ; 1 @ 29'-6; 1 @ 30'-6**

Temp. Shored:

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

PRI: 39.07 DP: 7.25 SR: 37.10

School Bus crossings per day: **2 buses (4 trips)**

Posted Speed Limit Vicinity:

Posted Speed: 55 Statutory (mph)

Detour Off-Site

Stage Construction

New Alignment

On-site

If Off-Site, Description Of Detour Route: **SR 1749 – SR 1765 – SR 1762 – SR 1793**

Approximate Length Of Detour? **4.9 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? **No**

Are Bridges On Detour Currently Programmed? **No**

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

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

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 **(none)**

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: **Class C**

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: NHP

Archaeology: NHP

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: **McKinney Mill Site w/ waterwheel not eligible NRHP; 2-bar metal bridge**

Geotechnical

Are There Any Historical And/Or Vibration Sensitive Structures Near By: **McKinney Mill w/ waterwheel** Comments: **monitor for vibration**

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** (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: **No** Where: **N/A**
Superstructure Type: **Bridge** If Bridge: **BB** If girder; why?
Length Of Structure: **100'** Min. Number Of Spans: **1** Span Arrangement: **1 @ 100'**
Waive offset: **No** Cap: **4'** Skewed: **straighten out skew and maintain slope & abutment**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour Stage: New Alignment: On-site detour
Clear roadway width (CRW): Alignment; N, E, W, S CRW:
Temp. Signals: Alignment; N, E, W, S one lane w/ signals;
Alignment: N, E, W, S or two lanes CRW;
Alignment;

Environmental Document Prepared by DEO: Minimum Criteria Checklist
ADT: **260 per BIR** NHS: 0 Tier: Sub-regional Func. Class: Local

Bridge Min. Clear Deck Width Recommended by Div.: **27' OTO with 2-bar rail.**

Roadway lane width 10' with 3' shoulders including 0' paved shoulders

Extension of Paved shoulders: end of **construction limits**

Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **Yes**

Min. Pavement Surface Course: **3"** inches: Existing Roadway: 16'

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: 55 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? **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: **cut concrete posts and and leave in place**

Sequencing priority in construction? **No**

Comments: **Minimize impact to McKinney Mill site and perform vibration monitoring during construction.**

Design and replace 24" CMP pipe with in project limits