

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

TIP No.: WBS No.: Field Scoping Meeting Date: **5/18/2017**
 17BP.11.R.144
 Division: **11** Location: **On-site**
 Route (US/NC/SR): County: **Surry**
 Project Description: **Bridge No. 850012 over Snow Creek on SR 1122 (Dobbins Mill Road)**
 Tier: **SUBREGIONAL** Funding: **State**
 Municipality: **N/A**

Attendees

	Name	Phone No.	E-mail
Division Bridge Program Manager	Jami Guynn	336-903-9220	jcguyenn@ncdot.gov
Division BPM Assistant	Mark Johnson	336-903-9208	mgjohnson4@ncdot.gov
Division Environmental Officer	Heath Slaughter	336-903-9202	hslaughter@ncdot.gov
Division L&S	Landon Wagoner	336-903-9501	rlwagoner@ncdot.gov
Hydraulics Engineer	Marc Shown	919-707-6751	mshown@ncdot.gov
Hydraulics Engineer	Rusty Lassiter	919-707-6732	rlassiter@ncdot.gov
PPU	Eileen Fuchs	919-707-6613	Eafuchs@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov

Existing Features

Feature Bridged: **Bridge No. 850012 over Snow Creek on SR 1122 (Dobbins Mill Road)**

Ex. Bridge Clear Deck Width: **22 (Ft.)**

Roadway width: **18 (Ft.)**

(Bridge / Culvert) Length: **121 (Ft.)**

Deck Width (Out To Out): **24.083 (Ft.)**

Water Depth: **1 (Ft.)**

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

Year Built: **1964**

Posted: **SV 6**

TTST: **0**

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

Abutment:
**E.BTS:TIM.CAPS/TIM.POST&
SILLS**

Pier Type:
BTS:TIM.CAP/TIM.PILES

Temp. Shored: **Yes**

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

PRI: DP: **SR: 19.71** School Bussing crossings 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: **SR 1123 to SR 1100 to SR 1110**

Approximate Length Of Detour? **4.3 miles see detour below**

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? **Low impact**

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

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 yes

Fiber Optic ~~In Conflict~~

Water ~~In Conflict~~

Sewer ~~In Conflict~~

Natural Gas In Conflict **downstream south side**

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: **No**

T&E species effect: **No**

Trout: **Not watershed**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration:

Permits discussion:

Water Quality Classification: **C**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Yadkin**

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: Survey required (6/15/17) return of survey in process.

Archaeology: No survey required

Is The Bridge Structure Itself, Or Any Part Thereof, Considered Historic: **Yes-mill probably (tbd SHPO mtg 11/28/17)**

Impacts to a Church, Community Center, Or Other Public Facility? **No**

Is this a Statewide Bicycle Route or a Local Non-Marked Bicycle Route: **yes, Surry County Scenic Bicycle Route.**

Comments:

Geotechnical

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

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 Bents:

Hydraulics

FEMA Approval? **Yes** (MOA)

Is There Unusual Scour Potential? **No**

Is Protection Needed? **STD**

Are Banks Stable? **yes**

Is Protection Needed? **STD**

Appreciable Amount Of Large Debris? **Low**

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

Structure Type: **Bridge**

If Bridge: **CS / BB combo**

If girder; why?

Length Of Structure: **130'**

Min. Number Of Spans: **2**

Span Arrangement: **1@90, 1@40**

Waive offset: **yes only on right side
(west side)**

EB Cap: **4'**

Skewed:

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

Environmental Document Prepared by DEO:

Low Impact Data Spreadsheet ☐

Minimum Criteria Checklist ☒

ADT: **590 per SIR**

NHS: **No**

Tier: **SUBREGIONAL**

Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **30' OTO – 2-bar rail**

Roadway lane width: **10'** with **6'** shoulders, including **3'9"** paved shoulders

Extension of Paved shoulders: **taper 8:1 at project limits.**

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

Min. Pavement Surface Course: **2.5"**

Existing Roadway:

Pavement Marking: **paint (match)**

Pavement Markers: **match (none)**

Will Railroad Involvement Be Required:

No

Method of Clearing: **II**

Truck Percentage: **6%**

Reasonable Safe Speed per SIR: **40 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? **Pin & Cap**

Salvageable materials: **All steel I beams, diaphragms, bearing plates, etc., and all timber caps and all good supplemented legs and all crutch bent material. (Care with demolition needs to be taken)**

Contact Person/number: **Gary Robbins (336) 530-6051**

Deliver to: **Elkin Bridge Maintenance Yard, 150 Northwood Drive, Elkin, NC 28621**

Removal of previous structure remnant abutments/piers: **yes on upstream left, at mill**

Sequencing priority in construction? **850012 highest priority, then 040177, then 130115, then 980020**

Comments: per Division, **Bridge No. 850012 shall be scheduled for construction as soon as feasibly possible following resolution of potential historic issues.**



