

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

## FIELD SCOPING MEETING WORKSHEET

### Design Build Process

WBS No.: **17BP.6.R.55**

Field Scoping Meeting Date: **May 8, 2017**

Division: **6**

Location: **On-site**

Route (US/NC/SR): **SR 1122**

County: **Robeson**

Project Description: **Bridge No. 770149 over First Swamp on SR 1122**

Tier: **Subregional - Local**

Funding: **State**

Municipality: **N/A**

### Attendees

	Name	Phone No.	E-mail
Division Bridge Program Manager	Christy Huff	910-364-0600	chuff@ncdot.gov
Division Environmental Officer	Jim Rerko	910-364-0580	jjrerko@ncdot.gov
Resident Engineer	Mike Parker	910-618-5689	jmparkerjr@ncdot.gov
Div. 6 District Engineer	Chuck Miller	910-618-5546	csmiller@ncdot.gov
Div. 6 Locating Engineer	John Kaukola	910-486-1338	jkaukola@ncdot.gov
Robeson County Maint. Engineer	Brice Bell	910-618-5543	bricebell@ncdot.gov
Div. 6 Bridge Engineer	Darren Pittman	910-364-0670	dpittman@ncdot.gov
Robeson Bridge Maint. Supervisor	Daniel Leggett	910-618-5542	dtleggett@ncdot.gov
Hydraulics Engineer	Andy Jordan	919-707-6729	pajordan@ncdot.gov
Hydraulics Engineer	Jon Moore	919-707-6738	Jlmoore6@ncdot.gov
DENR-DWR	Joanne Steenhuis	910-796-7306	Joanne.steenhuis@ncdenr.gov
Div. 6 Bridge Maint.	Mike Fisher	910-364-0670	mdfisher@ncdot.gov
PPU	Jamie Lancaster	919-707-6620	jlancaster@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
Div. 6 Const. Staff Engineer	Joe Bailey	910-364-0600	Jwbailey1@ncdot.gov

## **Existing Features**

Feature Bridged: **770149 over First Swamp on SR 1122**

Ex. Bridge Clear Deck Width: **25.583 (Ft.)**

Roadway width: **24 (Ft.)**

(Bridge / Culvert) Length: **36 (Ft.)**

Deck Width (Out To Out): **27.1 (Ft.)**

Water Depth: **6 (Ft.)**

Height Bed-To-Crown: **11 (Ft.)**

Year Built: **1954**

Posted: **SV 17 Tons**

TTST: **24 Tons**

Superstructure: **RC Deck on  
timber joists**

Abutment: **Timber caps/timber  
piles**

Pier Type:

Temp. Shored: **Yes**

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

PRI: **51.09**

DP: **4**

SR: **34.92**

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: **NC130/US501 to NC 130 to SR 1131**

Approximate Length Of Detour?

**4.8 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?

Are There Any Railroad Crossings On Detour?

**No**

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

Overhead Utility Lines

In Conflict **South Side**

Power Transmission Lines

~~In Conflict~~

Telephone

In Conflict **South Side**

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: **Yes**                      Comments: **All 4 quads**

Endangered Species In County: **Red-cockaded woodpecker, Michaux's sumac**

T&E species effect: **No effect for all.**

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

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

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

Permits discussion: **NW3**

Water Quality Classification: **C; Sw (14-34-11-3)**    303d: **No**

Coast Guard Permit? **No**    Drainage Basin: **Lumber**    Riparian Buffer Rules: **No**

Is The Project Site In Or Near Any Of The Following:

National Forest:	<b>No</b>	Wildlife Refuge:	<b>No</b>
State, County, Or Local Park:	<b>No</b>	Wild And Scenic River:	<b>No</b>
Airport:	<b>No</b>	Recreation or Power Generation:	<b>No</b>
Water Supply Reservoir:	<b>No</b>	Nutrient Sensitive Waters:	<b>No</b>
Public Use Boat Ramp:	<b>No</b>	Cemeteries:	<b>No</b>
VAD/Farmland Protection:	<b>No</b>	Game Lands:	<b>No</b>

Known 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 Non-Marked Bicycle Route: **No**

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 ) Limited Study**

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

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

Appreciable Amount Of Large Debris? **Low**

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

Structure Type: **Bridge** If Bridge: **CS** If girder; why?

Length Of Structure: **65** Min. Number Of Spans: **1** Span Arrangement:

Waive offset: **Yes** EB Cap: **2'-6"** Skewed: **90 degrees**

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

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

Environmental Document Prepared by DBE:

Low Impact Data Spreadsheet ☐ Minimum Criteria Checklist ☒

ADT: **120 per SIR** NHS: **No** Tier: **Subregional** Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **33' 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 8:1 down to 2' and blunt end**

Min. Pavement Surface Course: **3"** Existing Roadway: **18'**

Pavement Marking: **Paint** Pavement Markers: **Raised**

Will Railroad Involvement Be Required: **No** Method of Clearing: **II modified**

Truck Percentage: **6 % per BIR** Reasonable Safe Speed per SIR: **55 mph**

Liquidated damages: will be imposed after **90** days of closure/construction. Amt: **\$ 500** per day

CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **Pin and cap.**

Salvageable materials: **No**

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

Sequencing priority in construction?

Comments: **min. construction due to farming**