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

TIP: **HB-0014** WBS No.: **49873.1.1** Field Scoping Meeting Date: **11/30/21**

Division: **6** Location: **On-site**

Route (US/NC/SR): **SR 1928** County: **Columbus**

Project Description: **Structure 230033 over Juniper Creek on SR 1928 (Old Dock Road)**

Tier: **Sub-Regional** Funding: **State**

Municipality: **N/A**

Attendees

	Name	Phone No.	E-mail
Division Const. Engineer	**Rusty Marsh**	**910-364-0600**	**rmarsh@ncdot.gov**
Division Bridge Program Manager	**Adam Britt**	**910-364-0603**	**atbritt@ncdot.gov**
Division RE	**Blythe Jordan**	**910-788-5300**	**bljordan@ncdot.gov**
Division Asst RE	**Jason Johnson**	**910-788-5300**	**Jajohnson4@ncdot.gov**
Division Project Engineer	**Christy Huff**	**910-364-0603**	**chuff@ncdot.gov**
Division Environmental Officer	**Greg Price**	**910-364-0683**	**gwprice2@ncdot.gov**
Environmental Specialist II	**Chris Underwood**	**910-364-0684**	**csunderwood@ncdot.gov**
PDEA Engineer	**Jim Rerko**	**910-364-0693**	**jjrerko@ncdot.gov**
Division Utility	**Rick Bounds**	**910-639-7345**	**rbounds@ncdot.gov**
Hydraulics Unit	**Galen Cail**	**919-707-6711**	**gcail@ncdot.gov**
Hydraulics Unit	**Charles Smith**	**919-707-6716**	**Crsmith1@ncdot.gov**
Hydraulics Engineer	**Craig Lee**	**919-707-6708**	**cjlee@ncdot.gov**
PPT/ PMU	**Jess Earley**	**919-707-6606**	**jsearley@ncdot.gov**
PPT/PMU	**Eileen Fuchs**	**919-707-6613**	**eafuchs@ncdot.gov**
County Maintenance Engineer	**Barry Gelezinsky**	**910-788-5330**	**bwgelezinsky@ncdot.gov**
District Engineer	**Ken Clark**	**910-788-5300**	**klclark@ncdot.gov**
Div. Bridge Maintenance	**Mike Fisher**	**910-364-0670**	**mdfisher@ncdot.gov**

Bridge Maintenance Sup.	**Gary Hilburn**	**910-788-5345**	**gdhilburn@ncdot.gov**
Division L&S	**Chad Blackmon**	**910-486-1338**	**cmblackmon@ncdot.gov**

Existing Features

Feature Bridged: Structure **230033 over Juniper Creek on SR 1928**

Ex. Bridge Clear Deck Width: **27.8 Ft** Roadway width: **18 Ft**

(Bridge / Culvert) Length: **55 FT** Deck Width (Out To Out): **28 Ft**

Water Depth: **3 Ft** Height Bed-To-Crown: **10 Ft**

Year Built: **1977** Posted: SV **99** TTST: **99**

Superstructure: - **Metal Bridge Steel Plank Floor on I-Beams** Abutment: **Timber Cap and Piles** Pier Type: **1@18'5", 1@18'1", 1@18'2"**

Temp. Shored: **No**

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

PRI: **8.06** DP: **2** **SR: 95.21** School Bussing crossings per day:

Posted Speed Limit Vicinity: **55 mph**

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

If Off-Site, Description Of Detour Route: **On-Site**

Approximate Length Of Detour? **N/A**

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

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? **No**

Are Bridges On Detour Currently Programmed? **N/A**

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

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 / Internet	In Conflict – **Yes (ATMC)**
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:

Endangered Species In County: **Northern Long-eared bat (May Affect, Likely to Adversely Affect) , Red-cockaded woodpecker (No Effect), wood stork (unresolved), American alligator(Biological Conclusion not required) and Cooley's meadowrue (unresolved)**

T&E species effect: **above**

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

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

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

Permits discussion: **Nationwide #3, 14, 23 or IP**

Water Quality Classification: **C:Sw** 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**: No** Wildlife Refuge: **Yes-Black Bear Sanctuary**

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: **Yes, State-Owned**

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 and/or Marked Bicycle Route: **on draft CTP for bike route, but not adopted**

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? **No (MOA)-will provide model** State Stormwater Permit? **Yes**

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: **Yes** Where: **N/A**

Structure Type: **Bridge** If Bridge: **24" CS** If girder; why?

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

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

Items To Be Discussed / Resolved At FSM By Attendees

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

Clear roadway width:
Temp. Signals:

Alignment: N, E, W, S

Alignment: N, E, W, S

Clear roadway width: **14 feet**
one lane w/ signals:
Alignment: **NE (Upstream)**

Environmental Document Prepared by PEF:

CE (federal) ☒ Minimum Criteria Checklist (state) ☐

ADT: **880 (2019)** NHS: **0** Tier: **Sub-regional** Func. Class: **Rural Local**

Bridge Min. Clear Deck Width Recommended by Div.: **33' OTO**

Roadway lane width: **10** ' with **3** ' shoulders, including **0** ' paved shoulders

Extension of Paved shoulders: **to end of guardrail & taper 8:1**

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

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

Pavement Marking: **Thermoplastic** Pavement Markers: **Raised**

Will Railroad Involvement Be Required: **No** Method of Clearing: **Type II Mod.**

Truck Percentage: **6% per BIR** Reasonable Safe Speed per SIR: **55 mph (from DSS)**

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? **Pin & Cap**

Salvageable materials: **Yes, all metal (no planks)**

Contact Person/number: **Gary Hilburn; provide 24-hour notice once available (910-625-5634**)

Deliver to: **Whiteville Bridge Yard, 31 Airport Road, Whiteville, NC 28472**

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

Sequencing priority in construction? **Second Priority**

Comments: **None**

