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

TIP: **HB-0013** WBS: **49872.1.1** Field Scoping Meeting Date: **11/30/21**

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

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

Project Description: **Culvert No. BP-024-2270 on SR 1928 (Old Dock Road) over Waccamaw River Overflow**

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: **Culvert BP-024-2270 over Waccamaw river overflow on SR 1928**

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

(Bridge / Culvert) Length: **__ (Ft.)** Deck Width (Out to Out): **_ (Ft.)**

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

Year Built: **_** Posted: SV **_** TTST: **_**

Superstructure: **_** Abutment: **_** Pier Type: **_**

Temp. Shored: **_**

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

PRI: **_** DP: **_** **SR: _** 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: **N/A**

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

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

Div. Traffic Eng. Recommend Off-site detour signing? **No**

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? **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 Lines	In Conflict– **Yes (Brunswick Electric)**
Telephone	In Conflict- **Yes (AT&T)**
Cable Lines	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), Cooley's meadowrue (unresolved) and Waccamaw silverside (May Affect, Not Likely to Adversely Affect)**

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: **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: **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**

Kwn 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 n-Marked Bicycle Route: **on draft CTP as 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? **Yes (MOA)-detailed** 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: **preferred not in channel**

Structure Type: **Bridge** If Bridge: **21" CS** If girder; why?

Length Of Structure: **200 feet** Min. Number of Spans: **4** Span Arrangement: **4 @ 50 feet**

Waive offset: **No** EB Cap: **4'-0"** Skewed: **90 degrees**

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: **North (upstream)**

Environmental Document Prepared by **PEF:**

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

ADT: **880 (2019)** NHS: 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 (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: **None**

Contact Person/number:

Deliver to:

Removal of previous structure remnant abutments/piers: **Yes, remove all**

Sequencing priority in construction? **First**

Comments: **None**