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

TIP: **HB-0011** WBS No.: **49870.1.1** Field Scoping Meeting Date: **11/30/21**

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

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

Project Description: **Structure 230026 over Gum Swamp Run 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 **230026 over Gum Swamp Run on SR 1928**

Ex. Bridge Clear Deck Width: **24 Ft** Roadway width: **18 Ft**

(Bridge / Culvert) Length: **88 Ft** Deck Width (Out To Out): **28.5 Ft**

Water Depth: **1 Ft** Height Bed-To-Crown: **7 Ft**

Year Built: **1958** Posted: SV **99** TTST: **99**

Superstructure: **RC Deck on Timber Joist** Abutment: **RC Caps on Timber Piles** Pier Type: **1@18'4", 3@17', 1@18'2"**

Temp. Shored: **No**

Historic High Water (Elev. To The Existing Structure): **N/A**

PRI: **16.93** DP: **0** SR: **73.49** 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: **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 Lines | In Conflict – **Yes (Brunswick Electric) – Do Not Move** |
| 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), 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: **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: **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: **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 Marked Bicycle Route? **On CTP draft plan as a 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 ) 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 to moderate**

Placement Of Bents In The Water Be Allowed: **Yes** Where: **5-feet off of existing end bents**

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

Length Of Structure: **100 ft** Min. Number Of Spans: **2** Span Arrangement: **2 @ 50 feet**

Waive offset: **Yes** EB Cap: **4'-0"** Skewed: **90 degree**

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

| **Off-Site** ☐ | **Stage Construction** ☐ | New Alignment ☐ | **On-site** ☒ |
|---|---|---|---|
| | Clear roadway width:<br>Temp. Signals: | | Clear roadway width: **14 ft**<br>**one lane w/ signals:** |
| | Alignment: N, E, W, S | Alignment: N, E, W, S | Alignment: **Northeast (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 (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? **No**

Comments: **all temporary structures will be bridges not pipes**


Waccamaw
ck United
st Church
1928
Gum Swamp Run
Dock Rd
1928
Clifton's Landing
Waccamaw River