

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

WBS No.: **17BP.6.R.48**

Field Scoping Meeting Date: **Sept 24, 2014**

Division: **6**

Location: **On-site**

Route (US/NC/SR): **SR 1379**

County: **COLUMBUS**

Project Description: **Bridge No. 230167 over Gapway Swamp on SR 1379 (Hinsons Crossroads)**

Tier: **Subregional**

Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Brice Bell	910-486-1493	bricebell@ncdot.gov
Division Environmental Off.	Jim Rerko	910-437-0207	jjrerko@ncdot.gov
Hydraulics Engineer	Jerry Lindsey	919-707-6734	jlindsey@ncdot.gov
Hydraulics Engineer	Jon Moore	919-707-6738	Jlmoore6@ncdot.gov
TPMU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
TPMU	Christy Huff	919-707-6606	chuff@ncdot.gov
Bridge Management	Paul Garrett	919-707-6457	pgarrett@ncdot.gov
Resident Engineer	Rusty Marsh	910-642-2489	rmarsh@ncdot.gov
Asst. Resident Engineer	Terry Church	910-642-2489	tachurch@ncdot.gov
Div. 6 Locating Engineer	John Kaukola	910-486-1338	jkaukola@ncdot.gov
Div. 6 Maintenance Engineer	Ken Murphy	910-486-1493	rkmurphy@ncdot.gov
Div. 6 Bridge Engineer	Darren Pittman	910-829-6345	dpittman@ncdot.gov
Div. 6 Bridge Maint. Supervisor	Barry Gelezinsky	910-642-4388	bwgelezinsky@ncdot.gov
Division 6 Bridge Maint.	Kevin Worley	910-642-4388	kjworley@ncdot.gov
Div. 6 Dist. 3 Engineer	Drew Cox	910-642-3760	hlcox@ncdot.gov
DENR-DWR	Mason Herndon	910-308-4021	Mason.herndon@ncdenr.gov
USACE	Liz Hair	910-251-4049	sarah.e.hair@usace.army.mil

Existing Features

Feature Bridged: **230167 over Gapway Swamp on SR 1379 (Hinsons Crossroads)**

Ex. Bridge Clear Deck Width: **24 (Ft.)** Roadway width: **19 (Ft.)**

(Bridge / Culvert) Length: **151 (Ft.)** Deck Width (Out To Out): **25.33(Ft.)**

Water Depth: **4 (Ft.)** Height Bed-To-Crown: **14 (Ft.)**

Year Built: **1967** Posted: SV **26** TTST: **30**

Superstructure: **PPC channels** Abutment: **TM** Pier Type: **TM**

Temp. Shored: **No**

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

PRI: DP: **SR: 34.18** School Bussing crossings per day: **2 buses,**

Posted Speed Limit Vicinity: **55 /SDV** (mph) **4 trips; moderate concerns**

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

If Off-Site, Description Of Detour Route: **SR 1380, US 76, NC 904**

Approximate Length Of Detour? **9.5 (Miles) node to node per SDV**

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 Bridges On Detour Currently Programmed? **B#79 on NC 904 also known as B-5338 has been completed.**

Are There EMS Or Business Access Issues? **Length of detour route would increase response times for fire, EMS and law enforcement**

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

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

Overhead Utility Lines **In Conflict** **Brunswick Electric**

Power Transmission Lines In Conflict

Telephone **In Conflict** **Telecom**

Cable Lines In Conflict

Fiber Optic In Conflict

Water In Conflict

Sewer In Conflict

Natural Gas In Conflict

Other In Conflict

NCDOT Division 6 Utility Coordinator
Dan Johnson (910) 437-0207

Based On The Past History Near This Project Site, What Is The Estimated Time Required To Complete Utility Adjustments **3 Months**

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: **NES delineated**

Endangered Species In County: **American alligator, Atlantic sturgeon, Bald Eagle (BGPA), Red-cockaded woodpecker, Shortnose sturgeon, Waccamaw silverside, Wood stork, Cooley's meadowrue & Rough-leaved loosestrife.**

T&E species effect: Atlantic sturgeon, Bald eagle, RCW, Shortnose sturgeon, Waccamaw silverside, Wood stork - No Effect; American alligator - Not Required; Cooley's meadowrue and Rough-leaved loosestrife – Unresolved (survey June 2015)

Trout County : **No**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration :

Permits: **No**

Water Quality Classification: **C; Sw**

303d: Yes, Category 1, aquatic standards. No deck drains over the water.

Coast Guard Permit? **No**

Drainage Basin: **Lumber**

Riparian Buffer Rules: **None**

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 Of Power Generation: **No**

Water Supply Reservoir: **No**

Nutrient Sensitive Waters: **No**

Public Use Boat Ramp: **No**

Cemeteries: **No**

Known Or Potential Historic Properties In The Area:

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**

Hydraulics

FEMA Approval? **Limited DS** (MOA) State Stormwater Permit? **No**
Is There Unusual Scour Potential? **No** Is Protection Needed? **Normal End Bent Protection**
Are Banks Stable? **Yes** Is Protection Needed? **No**
Appreciable Amount Of Large Debris? **Yes**
Placement Of Bents In The Water Be Allowed: **No** Where:
Superstructure Type: **Bridge** If Bridge: **CS** If girder; why?
Length Of Structure: **150'** Min. Number Of Spans: 3 Span Arrangement: **50-60-40**
Waive offset: **No** Cap: **2'6"** Skewed: **90 degrees**

**** No deck drains on center span ****

**** No super on the bridge; match existing ****

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☒ Stage: ☐ New Alignment: ☐ On-site detour ☐
Clear roadway width (CRW): Alignment; N, E, W, S CRW:
Temp. Signals: Alignment; N, E, W, S one lane w/ signals;
Alignment; or two lanes CRW;
Alignment;
Environmental Document Prepared by DEO: Low Impact Data Spreadsheet ☒ Minimum Criteria Checklist ☐
ADT: **290 per SIR** NHS: **No** Tier: **Subregional** Func. Class: **Local, Rural**
Bridge Min. Clear Deck Width Recommended by Div.: **33' out to out**
Roadway lane width **10'** with **3'** shoulders
Extension of Paved shoulders: **end of construction limits and blunt end.**
Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **Yes**
Min. Pavement Surface Course: **2-1/2** inches: Existing Roadway: **19**
Pavement Marking: **Paint** Pavement markers: **Raised**
Will Railroad Involvement Be Required: **No** Method of Clearing: **Method II Modified**
Truck Percentage: : **6 % per BIR;** Reasonable Safe Speed per SIR **55 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? **Concrete monuments**
Salvageable materials: **No**
Removal of previous structure remnant abutments/piers: **None**
Sequencing priority in construction? **No**
Comments:

- **Offsite detour should be coordinated with SCDOT at least 3 months prior to construction. DBT to send detour packet to Columbus County District Engineer, Drew Cox.**
- **Division requests full depth pavement a minimum of 50' from both ends of bridge**