

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

WBS No.:	Field Scoping Meeting Date: October 26, 2016
Division: 6	Location: On-site
Route (US/NC/SR): US 701	County: Columbus
Project Description: Emergency Replacement of Culvert 60 on US 701	
Tier: Regional	Funding:
Municipality: No	

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Darren Pittman	910-829-6345	dpittman@ncdot.gov
Division Environmental Off.	Jim Rerko	910-437-0207	jjrerko@ncdot.gov
Division Maint. Engineer	Ken Murphy, Jr.	910-486-1493	rkmurphy@ncdot.gov
Hydraulics Engineer	Jerry Lindsey	919-707-6734	jlindsey@ncdot.gov
Division	Rusty Marsh	910-642-2489	Rmarsh@ncdot.gov
PPU	Virginia Mabry	919-707-6604	vmabry@ncdot.gov
PPU	Jamie Lancaster	919-707-6620	jlancaster@ncdot.gov
Division	Terry Church	910-642-2489	tachurch@ncdot.gov
Geotech	Dean Argenbright	252-355-9054	dargenbright@ncdot.gov
DENR-DWR	Joanne Steenhuis	910-796-7306	Joanne.steenhuis@ncdenr.gov
Division 6	Joe Bailey	910-486-1493	Jwbailey1@ncdot.gov
Division 6	Scott Pridgen	910-437-2611	gspridgen@ncdot.gov
Division 6	Sean Matuszewski	910-437-2611	spmatuszewski@ncdot.gov
Division 6	Matthew Edwards	910-486-1493	mdedwards@ncdot.gov
Division 6	Drew Cox	910-642-3760	hlcox@ncdot.gov

Existing Features

Feature Bridged: **230060 over Western Prong Creek on US701 (James B White Highway)**

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

Roadway width: **34 (Ft.)**

(Bridge / Culvert) Length: **52 (Ft.)**

Deck Width (Out To Out): **37(Ft.)**

Water Depth: **2 (Ft.)**

Height Bed-To-Crown: **12 (Ft.)**

Year Built: **1931**

Posted: **Not Posted**

Superstructure: **2- Triple 8' x 8'**

RCBC

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

PRI: **0** DP: **2.5** SR: **80.76**

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: **NC 131 to SR 1003 to SR 1545**

Approximate Length Of Detour? **3(Miles)**

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? **N/A**

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

Are There EMS Or Business Access Issues? **N/A**

Are There Any Railroad Crossings On Detour? **N/A**

Should Work Zone Pedestrian Access Be Maintained During Construction?

Overhead Utility Lines ~~In Conflict~~

Power Transmission Lines ~~In Conflict~~

Telephone ~~In Conflict~~

Cable Lines In Conflict

Fiber Optic In Conflict

Water ~~In Conflict~~

Sewer ~~In Conflict~~

Natural Gas In Conflict

Other ~~In Conflict~~

Based on the past history near this project site, what is the estimated time required to complete Utility Adjustment? **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:

Endangered Species In County: **American alligator, Red-cockaded woodpecker, Bald eagle, Waccamaw silverside, Wood stork, Cooley's meadowrue, Rough-leaved loosestrife**

T&E species effect: Anticipate No effects

Trout County : **No**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria:

Which species:

Duration :

Permits discussion: NW 3 or 14

Water Quality Classification: **C; SW (15-4-2)**

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: **Yes**

VAD/Farmland Protection: **No**

Game lands: **No**

Known Or Potential Historic Properties In The Area:

Architecture: NHP

Archaeology: No Survey

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: **Church located south of Peacock Road**

Geotechnical

Are There Any Historical And/Or Vibration Sensitive Structures Near By Church Comments:

Are There Any Known Landfills And / Or Geo-environmental Hazard Sites At Or Within Close Proximity To The Project Site **No** Comments:

Are Any Impacts Anticipated To Natural Springs Or Artesian Wells: **No** Comments:

Possible Foundation Type: **Steel Piles @ End Bents**

Steel Piles @ Interior

Hydraulics

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

Model with culvert 389

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☒ Stage: ☐ New Alignment: ☐ On-site detour ☐

Environmental Document Prepared by DBE: Low Impact Data Spreadsheet ☐ Minimum Criteria Checklist ☐

ADT:**6900 (2036)** NHS: **No** Tier: **Regional** Func. Class: **Minor Arterial**

Bridge Min. Clear Deck Width Recommended by Div.: **36' OTO**

Roadway lane width **12__'** with **_6_'** shoulders including **_2__** paved shoulders

Extension of Paved shoulders: end of **construction limits**

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

Min. Pavement Surface Course: **3"** inches: Existing Roadway: **24 (Ft)**

Pavement Marking: **Thermoplastic** Pavement markers: **Raised**

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

Truck Percentage: **8 % per CIR** Reasonable Safe Speed per SIR: **55 mph**

Liquidated damages: will be imposed after **120** days of closure/construction. Amt: \$ **1500** per day

CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **Pin & caps**

Salvageable materials: **No**

Contact Person/number:

Deliver to:

Removal of previous structure remnant abutments/piers:

Sequencing priority in construction?

No Sunday work or during funerals. Pull old culvert out.