

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

WBS No.: **17BP.7.R.87**

Field Scoping Meeting Date: **Feb. 19, 2014**

Division: **7**

Location: **On-site**

Route (US/NC/SR): **SR1002**

County: **ORANGE**

Project Description: **Bridge No. 670061 over UT to BUCKWATER CREEK on SR1002 (Saint Mary's Rd)**

Tier: Sub-Regional but is **Major Collector** – NOT SRT design guidelines

Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Tim Powers	336-487-0000	tpowers@ncdot.gov
Division Environmental Off.	Jerry Parker	336-256-2063	jparker@ncdot.gov
Hydraulics Engineer	Bill Elam	919-707-6718	belam@ncdot.gov
Hydraulics Engineer	Galen Cail	919-707-6711	gcail@ncdot.gov
TPMU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
TPMU	Tom Bacon	919 707-6607	tabacon@ncdot.gov
Bridge Management	Paul Garrett	919-707-6457	pgarrett@ncdot.gov
Division Environmental Off.	Nicole Thomson	336-334-3515	Njthomson2@ncdot.gov
DENR-DWR	Dave Wanucha	336-771-4951	Dave.wanucha@ncdot.gov
Division 7	Aaron Carr	513-485-2952	aacarr@ncdot.gov
USFWS	Gary Jordan		Not present – sent comments
USACE	David Bailey		Not present – sent comments
NCWRC	Travis Wilson		Not present – sent comments

Existing Features

Feature Bridged: **670061** over **UT to BUCKWATER CREEK on SR1002 (Saint Mary's Rd)**

Ex. Bridge Clear Deck Width: **25.0 (Ft.)** Roadway width: **18 (Ft.)**

(Bridge / Culvert) Length: **20 (Ft.)** Deck Width (Out To Out): **26.17 (Ft.)**

Water Depth: **1(Ft.)** Height Bed-To-Crown: **9(Ft.)**

Year Built: **1956** Posted: SV **16** TTST: **23**

Superstructure: **TM M-BM ;** Abutment: **Rubble Masonry** Pier Type: **NONE**

Temp. Shored: **0**

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

PRI: **50.2** DP: **43.8** SR: **48.97** School Bussing crossings per day:

Posted Speed Limit Vicinity: **50** (mph) posted

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

If Off-Site, Description Of Detour Route: **SR 1538 (New Sharon Church Road) to SR 1548 (Schley Road)**

Approximate Length Of Detour? **5.94 miles**

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? **No**

Are There EMS Or Business Access Issues? **Fire station 290' east of bridge**

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

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

Overhead Utility Lines **In Conflict** Directly Over

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** To be installed. Tim Powers has coordinated.

Other ~~In Conflict~~

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 **No**

Comments:

Endangered Species In County: None nearby

T&E species effect: **No Effect for Bald Eagle, Michaux's sumac, dwarf wedgemussel or Smooth Coneflower**

Trout County : **No**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration :

Permits:

Water Quality Classification: **WS-IV, NSW**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Neuse**

Riparian Buffer Rules: **Yes Neuse**

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; **Yes**

Public Use Boat Ramp; **No**

Cemeteries ; **No**

Known Or Potential Historic Properties In The Area:

Architecture; No Sites Present

Archaeology; No Sites Present

Is The Bridge Structure Itself, Or Any Part Thereof, Considered Historic: **No**

Impacts to a Church, Community Center, Or Other Public Facility? **Fire Station**

Is this a Statewide Bicycle Route or a Local Non-Marked Bicycle Route: **NO**

Comments:

Preschool and Ball Fields nearby. Keep 2-3 offsets for bike and ped.

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? **Yes** State Stormwater Permit? **No**
Is There Unusual Scour Potential? **Yes** Is Protection Needed? **Yes, Rip Rap Banks**
Are Banks Stable? **No** Is Protection Needed? **Yes**
Appreciable Amount Of Large Debris? **Low to Moderate**
Placement Of Bents In The Water Be Allowed: Where:
Superstructure Type: **Culvert** If Bridge: If girder; why?
Length Of Structure: Min. Number Of Spans: Span Arrangement:
Waive offset: Cap: Skewed: **Yes**

2 @ 10' x 6' RCBC

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: **2400 / SIR** NHS: **0** Tier: **Sub-Regional** Func. Class: **Maj. Collector**

Bridge Min. Clear Deck Width Recommended by Div.:

Roadway lane width **12'** with **8'** 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: **2-1/2"** inches: Existing Roadway: **18' Paved**

Pavement Marking: **Thermoplastic** Pavement markers: **None**

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

Truck Percentage: : **6 % per BIR;** Reasonable Safe Speed per SIR: **50 mph**

Liquidated damages: will be imposed after **90** days of closure/construction. Amt: \$ **400** per day

Time restrictions for fire department

CEI by? **NCDOT** R/W by? **Division ROW** R/W monuments? **Conc.**

Salvageable materials: **No**

Contact Person/number:

Deliver to:

Removal of previous structure remnant abutments/piers: **No**

Sequencing priority in construction? **None**

Comments:

