

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

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

Field Scoping Meeting Date: **Sept. 18, 2014**

Division: **7**

Location: **On-site**

Route (US/NC/SR): **SR 2719**

County: **GUILFORD**

Project Description: **Bridge No. 400431 over UT REEDY FORK on SR 2719 (High Rock Road)**

Tier: **Sub-Regional**

Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Tim Powers	336-487-0000	tpowers@ncdot.gov
Division Environmental Office/ SEPI	Nikki Thomson	336-487-0000	Njthomson2@ncdot.gov
Hydraulics Engineer	Galen Cail	919-707-6711	Gcail@ncdot.gov
Hydraulics Engineer	Larry Clawson	919-707-6712	ldclawson@ncdot.gov
Hydraulics Engineer	Zack O'Keefe	919-707-6427	zokeefe@ncdot.gov
TPMU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
TPMU	Jamie Lancaster	919 707-6620	jlancaster@ncdot.gov
Bridge Management	Paul Garrett	919-707-6457	pgarrett@ncdot.gov
USACE	David Bailey	919-554-4884 x 30	David.E.Bailey2@usace.army.mil
DENR-DWR	Dave Wanucha	336-771-4951	Dave.Wanucha@ncdenr.gov
USACE	Brian Stewart		
Natural Environment Section	Amy James	919-707-6129	Aejames2@ncdot.gov
Natural Environment Section	Jim Mason	919-707-6136	jsmason@ncdot.gov
Division Bridge	Tamara Makhoulf	336-487-0000	tkmakhoulf@ncdot.gov

Existing Features

Feature Bridged: **400431 over UT REEDY FORK on SR 2719 (High Rock Road)**

Ex. Bridge Clear Deck Width: **24.08 Ft.** Roadway width: **20 Ft.**

(Bridge / Culvert) Length: **31 Ft.** Deck Width (Out To Out): **25.67 Ft.**

Water Depth: **1 Ft.** Height Bed-To-Crown: **13 Ft.**

Year Built: **1963** Posted: SV **39** TTST: **LGW**

Superstructure: **Prestressed concrete** Abutment: **TM** Pier Type: **TM**

Temp. Shored: **No**

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

PRI: **54.6** DP: **9** SR: **28.62** School Bussing crossings per day: **3 buses/ 9 trips – Moderate concerns**

Posted Speed Limit Vicinity: **55** (mph) statutory

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

If Off-Site, Description Of Detour Route: **SR 2705 to SR 2733 to NC 61**

Approximate Length Of Detour? **2.99 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? **No comments provided**

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

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

Overhead Utility Lines

Power Transmission Lines **If cast in place – no conflict. If crane - conflict**

Telephone

Cable Lines

Fiber Optic

Water

Sewer

Natural Gas

Other

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 **Possible water**

Is A FEMA Buy-Out Property Being Impacted **No**

Environmental

Wetlands At Site **No**

Comments:

Endangered Species In County: **Bald Eagle, Northern Long-Eared Bat (Proposed), Small Whorled Pogonia**

T&E species effect: **No effect for Eagle and Pogonia**

Trout County : **No**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration :

Permits:

Water Quality Classification: **WS-V; NSW**

303d: **Yes**

Coast Guard Permit? **No**

Drainage Basin: **Cape Fear**

Riparian Buffer Rules: **Jordan**

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 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: **Greensboro Urban Area CTP**

Comments: **Bike and Ped 4' offsets on both side of bridges and 4' paved shoulders min. 100' on approaches.**

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 Detail Study**
(MOA)

State Stormwater Permit? **No**

Is There Unusual Scour Potential? **No**

Is Protection Needed? **Standard**

Are Banks Stable? **Yes**

Is Protection Needed? **Standard**

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:

2@ 11' x 10' RCBC Cast in place. Need bank stabilization on downstream and maybe upstream.

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: **820/ SIR**

NHS: **No**

Tier: **Sub-Regional**

Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.:

Roadway lane width **_10_** ' with **_4_** ' shoulders with guardrail with **4'** Paved shoulders **min. 100 ft measured from begin and end of culvert for bikes.**

Extension of Paved shoulders: **N/A**

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: **20 feet paved**

Pavement Marking: **Thermoplastic**

Pavement markers: **No**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **II**

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? **Division ROW**

R/W monuments? **Conc.**

Salvageable materials: **None**

Contact Person/number:

Deliver to:

Removal of previous structure remnant abutments/piers: **remove remnant concrete abutments**

Sequencing priority in construction? **Build 400189 first since it has the lowest posting on 17bp.7.r.86**

Comments:



