

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

WBS No.: **17BP.7.R.86**

Field Scoping Meeting Date: **Feb. 20, 2014**

Division: **7**

Location: **On-site**

Route (US/NC/SR): **SR3343**

County: **GUILFORD**

Project Description: **Bridge No. 400271 over NORTH PRONG of STINKING QUARTER CREEK on SR3343 (Coble Church Rd)**

Tier: **Sub-Regional**

Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Tim Powers	336-487-0000	tpowers@ncdot.gov
Hydraulics Engineer	Bill Elam	919-707-6718	belam@ncdot.gov
Hydraulics Engineer	Larry Clawson	919-707-6712	ldclawson@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
Division 7	Aaron Carr	513-485-2952	aacarr@ncdot.gov
DENR-DWR	Dave Wanucha	336-771-4951	Dave.wanucha@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: **400271** over **NORTH PRONG** of **STINKING QUARTER CREEK** on **SR3343 (Coble Church Rd)**

Ex. Bridge Clear Deck Width: **24.17 (Ft.)** Roadway width: **18 (Ft.)**

(Bridge / Culvert) Length: **53 (Ft.)** Deck Width (Out To Out): **25.5(Ft.)**

Water Depth: **2(Ft.)** Height Bed-To-Crown: **8(Ft.)**

Year Built: **1953** Posted: SV **16** TTST: **24**

Superstructure: **TM M-BM ;** Abutment: **TM** Pier Type: **TM**

Temp. Shored: **Yes**

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

PRI: **57.7** DP: **9.2** SR: **28.1** School Bussing crossings per day:

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

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

If Off-Site, Description Of Detour Route: SR 3359(Staley Lake Road) to SR 3351(Smithwood Road) to SR 3360 (Bowman Dairy Road)

Approximate Length Of Detour? **3.02 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**

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

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

Overhead Utility Lines ~~In Conflict~~ **Not 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 Adjustments **0 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: **Per ACOE meeting on 8/28/14**
Feature in SW quadrant is wetland 50' from
Creek

Endangered Species In County:

T&E species effect: **No Effect on any aquatic species, Bald Eagle and Whorled 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: **No**

Coast Guard Permit? **No**

Drainage Basin: **Cape Fear**

Riparian Buffer Rules: **Yes 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; 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, request 2-3' offset**

Comments: **Possible historic site awaiting architectural survey.**

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 Limited Detail Study** State Stormwater Permit? **No**

Is There Unusual Scour Potential? **Low** Is Protection Needed?

Are Banks Stable? **Yes** Is Protection Needed?

Appreciable Amount Of Large Debris? **Moderate**

Placement Of Bents In The Water Be Allowed: **No** Where:

Superstructure Type: **Bridge** If Bridge: **CS** If girder; why?

Length Of Structure: **70** Min. Number Of Spans: **1** Span Arrangement:

Waive offset: **5' offset** Cap: **2'6"** Skewed: **No**

Per ACOE feature on SW side is wetland from tie-in at creek to about 50 feet 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: **400 / SIR** NHS: **0** Tier: **Sub-Regional** Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **30 OTO**

Roadway lane width **_10_** ' with **_3_** ' shoulders

Extension of Paved shoulders: **No paved shoulders**

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' 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: **55 (55 design speed)**
mph per division

Liquidated damages: will be imposed after **_90_** days of closure/construction. Amt: \$ **_350_** per da

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?

Comments:

May need to provide asymmetric widening on bridge due to sight distance for drive. Replace driveway pipe on NW side. Maintain access to Fire Water Point (WP 450). Maintain existing centerline. Maintain existing ditch line on west side due to dams.

