

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

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

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

Division: **7**

Location: **On-site**

Route (US/NC/SR): **SR 3351**

County: **GUILFORD**

Project Description: **Bridge No. 400258 over SOUTH PRONG STINKING QUARTER CREEK on SR 3351 (Smithwood 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: **400258** over **SOUTH PRONG STINKING QUARTER CREEK** on **SR 3351 (Smithwood Road)**

Ex. Bridge Clear Deck Width: **25.17 Ft.**

Roadway width: **19 Ft.**

(Bridge / Culvert) Length: **36 Ft.**

Deck Width (Out To Out): **26.5 Ft.**

Water Depth: **1 Ft.**

Height Bed-To-Crown: **9 Ft.**

Year Built: **1954**

Posted: SV **26**

TTST: **LGW**

Superstructure: ; **Timber deck on Timber joists**

Abutment: **Timber**

Pier Type:

Temp. Shored: **No**

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

PRI: **53** DP: **5.5** SR: **37.83**

School Bussing crossings per day: **2 buses/ 6 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: **SR3346 (SR 2417 Randolph County) to SR 2418 (SR 3350 Guilford County)**

Approximate Length Of Detour? **2.69 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 **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 **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: **Near End bent on NW side**

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, B; NSW** 303d: **No**

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; Survey Required **Archaeology; No Survey Required**

Is The Bridge Structure Itself, Or Any Part Thereof, Considered Historic:

Impacts to a Church, Community Center, Or Other Public Facility? **No**

Is this a Statewide Bicycle Route or a Local Non-Marked Bicycle Route: **Yes, Greensboro Urban Area CTP**

Comments: **Volunteer Agricultural District on both sides. Coordinated with John Ivey, Guilford County Argicultural Extension Agent, on VAD. No additional coordination needed. Bike and Ped include 4 ft offsets on both sides of bridge and 4ft paved shoulder on approaches. 42" bike safe rail. 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? **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? **No**

Appreciable Amount Of Large Debris? **Low**

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

Superstructure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **60'**

Min. Number Of Spans: **1**

Span Arrangement: **60'**

Waive offset: **Yes**

Cap: **4'**

Skewed:

Leave footings at end and interior bents

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: **210/ SIR**

NHS: **No**

Tier: **Sub-Regional**

Func. Class: **Local**

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

Roadway lane width **_10_** ' with **_4_** ' shoulders with guardrail, including **4'** paved shoulders

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: **19 feet 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 **100** days of closure/construction. Amt: \$ **350** 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: **No**

Sequencing priority in construction? **None**

Comments: **Hold upstream side(south) of bridge. If historic use Alaskan rail.**



