

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

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

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

Division: **7**

Location: **On-site**

Route (US/NC/SR): **SR3121**

County: **GUILFORD**

Project Description: **Bridge No. 400254 over UT to SOUTH PRONG STINKING QUARTER Creek on SR3121 (Ferguson 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	Aaron Carr	513-485-2952	aacarr@ncdot.gov
DENR-DWR	Dave Wanucha	336-771-4951	Dave.wanucha@ncdenr.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: **400254 over UT to SOUTH PRONG STINKING QUARTER CREEK on SR3121 (Ferguson Rd)**

Ex. Bridge Clear Deck Width: **24.75 (Ft.)** Roadway width: **17 (Ft.)**

(Bridge / Culvert) Length: **35 (Ft.)** Deck Width (Out To Out): **26(Ft.)**

Water Depth: **1(Ft.)** Height Bed-To-Crown: **11(Ft.)**

Year Built: **1957** Posted: SV **23** TTST: **37**

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

Temp. Shored: **Yes**

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

PRI: **53.9** DP: **5** SR: **26.82** School Bussing crossings per day:

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

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

If Off-Site, Description Of Detour Route: **SR 3122 (Garrett Store Road) to SR 1005 (Alamance Church road)**

Approximate Length Of Detour? **2.3 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? **Low**

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

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

Overhead Utility Lines ~~In Conflict~~ **No conflicts anticipated**

Power Transmission Lines ~~In Conflict~~

Telephone ~~In Conflict~~ **in area but no conflicts**

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 **No**

Comments:

Endangered Species In County:

T&E species effect: **No Effect for any aquatic species, Bald Eagle, whorled pogonia**

Trout County : **No**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration :

Permits:

Water Quality Classification: **WSV-IV, 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; No 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: **Volunteer Agricultural District on West Side (Thomas Black property) contacted Guildford County VAD officer John Ivey 1/7/14 no additional coordination required.**

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? **No** State Stormwater Permit? **No**
Is There Unusual Scour Potential? **No** Is Protection Needed?
Are Banks Stable? **Yes** Is Protection Needed?
Appreciable Amount Of Large Debris? **Ok**
Placement Of Bents In The Water Be Allowed: **No** Where:
Superstructure Type: **Culvert** If Bridge: If girder; why?
Length Of Structure: Min. Number Of Spans: Span Arrangement:
Waive offset: Cap: Skewed: **No**
2@12' x 10' 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: **500 / SIR** NHS: **0** Tier: **Sub-Regional** Func. Class: **Local**
Bridge Min. Clear Deck Width Recommended by Div.:
Roadway lane width **_10_** ' with **_4_** ' shoulders
Extension of Paved shoulders: **No paved shoulders**
Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **Yes if guardrail required**
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 per SIR: **55 mph**
Liquidated damages: will be imposed after **90** days of closure/construction. Amt: \$ **350** per day
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:
Avoid impact to rock wall on NW side. Do not relocate drives due to buffer rules. Lengthen culvert to eliminate guardrail.

