

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

WBS No.: **17BP.11.R.110**

Field Scoping Meeting Date: **May 7, 2014**

Division: **11**

Location: **On-site**

Route (US/NC/SR): **SR1583**

County: **CALDWELL**

Project Description: **Bridge No. 130347 over ZACKS FORK CREEK on SR 1583
(Georgetown Est. Road)**

Tier: **Sub-Regional**

Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Jami Guynn	336-903-9220	jcguyenn@ncdot.gov
Hydraulics Engineer	Randy Henegar	919-707-6726	rhenegar@ncdot.gov
Hydraulics Engineer	Marc Shown	919-707-6751	mshown@ncdot.gov
Hydraulics Engineer	Rusty Lassiter	919-707-6732	rlassiter@ncdot.gov
TPMU	Virginia Mabry	919-707-6604	vmabry@ncdot.gov
Bridge Management	Paul Garrett	919-707-6457	pgarrett@ncdot.gov
NCWRC	Marla Chambers	704-984-1070	Marla.chambers@ncwildlife.org

Existing Features

Feature Bridged: **130347 over ZACKS FORK CREEK on SR 1583 (Georgetown Est. Road)**

Ex. Bridge Clear Deck Width: **23.80 (Ft.)** Roadway width: **18 (Ft.)**

(Bridge / Culvert) Length: **61 (Ft.)** Deck Width (Out To Out): **25.5(Ft.)**

Water Depth: **1(Ft.)** Height Bed-To-Crown: **12(Ft.)**

Year Built: **1971** Posted: SV **20** TTST: **23**

Superstructure: **PC CHNL-BM ;** Abutment: **TM** Pier Type: **TM**

Temp. Shored: **No**

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

PRI: **56.2** DP: **0** SR: **25.1** School Bussing crossings per day: **No response**

Posted Speed Limit Vicinity: **35 mph (SIR)**

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

If Off-Site, Description Of Detour Route: **No outlet- dead end road**

Approximate Length Of Detour? **N/A**

Improvements Needed To Road(s) On Detour? **N/A**

Div. Traffic Eng. Recommend Off-site detour signing? **N/A**

Improvements Needed To Bridges On Detour? **N/A**

Are Bridges On Detour Currently Programmed? **N/A**

Are There EMS Or Business Access Issues? **No response**

Are There Any Railroad Crossings On Detour? **N/A**

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

Overhead Utility Lines In Conflict

Power Transmission Lines In Conflict **No Visible Conflicts with Utilities**

Telephone In Conflict

Cable Lines In Conflict

Fiber Optic In Conflict

Water In Conflict

Sewer In Conflict **No; 45' north of bridge**

Natural Gas In Conflict

Other In Conflict

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: **Bog turtle, Carolina Northern flying squirrel, Virginia big eared bat, Spruce-fir Moss spider, Dwarf flowered heartleaf, Heller's blazing star; Northern Long-Eared Bat**

T&E species effect: **Virginia Big-Eared Bat (VBEB) No Effect**

Northern Long-Eared Bat (NLEB) – No Effect

Trout County : **Yes, but no moratoria**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration :

Permits:

Water Quality Classification: **C**

303d: **Yes**

Coast Guard Permit? **No**

Drainage Basin: **Catawba**

Riparian Buffer Rules: **No**

Is The Project Site In Or Near Any Of The Following:

National Forest: **No**

Wildlife Refuge/Gamelands: **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: **No**

Public Use Boat Ramp: **No**

Cemeteries: **No**

VAD-Farmland Preservation: **No**

Known Or Potential Historic Properties In The Area:

Architecture: No Survey Required

Archaeology: No

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**

Comments: **Pond to the NW**

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? **Re-delineation** State Stormwater Permit? **No**
(MOA)
Is There Unusual Scour Potential? **No** Is Protection Needed? **Standard**
Are Banks Stable? **Yes** Is Protection Needed? **Standard**
Appreciable Amount Of Large Debris? **No**
Placement Of Bents In The Water Be Allowed: Where:
Superstructure Type: **Bridge** If Bridge: **CS** If girder; why?
Length Of Structure: **75 feet** Min. Number Of Spans: **1** Span Arrangement: **1 @ 75'**
Waive offset: **Not waived** Cap: **4'** Skewed:
Overtopping – Use Alaskan rail for drainage. Not TVA.

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☐ Stage: ☒ New Alignment: ☐ On-site detour ☒
Clear roadway width (CRW):12' CRW: 10' lane with 1 foot
Temp. Signals: No shy each side
Alignment: either side one lane;
10' lane, 1' shy(offset) each side Alignment: either side
15 mph stage speed due to stop
Environmental Document Prepared by DBE: Low Impact Data Spreadsheet ☐ Minimum Criteria Checklist ☐
ADT: **500 per SIR** NHS: **0** Tier: **Sub-Regional** Func. Class: **Local**
Bridge Min. Clear Deck Width Recommended by Div.: **27' OTO with Alaska Rail**
Roadway lane width **9'** with **3'** 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: **18**
Pavement Marking: **None** Pavement markers: **None**
Will Railroad Involvement Be Required: **No** Method of Clearing: **III**
Truck Percentage: : **6 % per BIR;** Reasonable Safe Speed per SIR: **35 mph per SIR**
Liquidated damages: will be imposed after **90** days of construction. Amt: **\$ 500** per day
CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **Pin/caps to be provided & installed by DBT**
Salvageable materials: **all guardrail, post, etc., and all channel leg beams and concrete caps (care with demo needs to be taken)**
Contact Person/number: **David Wayne at (336) 903-9124**
Deliver to: **481 Pleasant Hill Road, Lenoir, NC 28645**
Removal of previous structure remnant abutments/piers: No
Sequencing priority in construction **None**
Comments: Memorial Gardens do not disturb

Caldwell 130347

