

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

WBS No.: **17BP.11.R.103**

Field Scoping Meeting Date: **May 6, 2014**

Division: **11**

Location: **On-site**

Route (US/NC/SR): **SR1304**

County: **WATAUGA**

Project Description: **Bridge No. 940261 over COVE CREEK on SR1304 (Marion Thomas)**

Tier: **Sub-Regional**

Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Jami Guynn	336-903-9220	jcguynn@ncdot.gov
Division Environmental Off.	Heath Slaughter	336-903-9202	hslaughter@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: **940261 over COVE CREEK on SR1304 (Marion Thomas)**

Ex. Bridge Clear Deck Width: **13 (Ft.)** Roadway width: **11 (Ft.)**

(Bridge / Culvert) Length: **36 (Ft.)** Deck Width (Out To Out): **14(Ft.)**

Water Depth: **1(Ft.)** Height Bed-To-Crown: **6(Ft.)**

Year Built: **1966** Posted: SV **21** TTST: **27**

Superstructure: **ST M-BM ;** Abutment: **TM** Pier Type: **NONE**

Temp. Shored: **No**

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

PRI: **62.8** DP: **3.5** SR: **16.8** School Bussing crossings per day: **N/A**

Posted Speed Limit Vicinity: **Stat. 55** (mph)

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

If Off-Site, Description Of Detour Route: **N/A**

Approximate Length Of Detour? **No outlet – dead end road**

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? **N/A**

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	
Telephone	In Conflict	Yes

Cable Lines	In Conflict
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Fiber Optic	In Conflict
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Water	In Conflict
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Sewer	In Conflict
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Natural Gas	In Conflict
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Other	In Conflict
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Based On The Past History Near This Project Site, What Is The Estimated Time Required To Complete Utility Adjustments **1 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: **JS in NE quadrant**

Endangered Species In County: **Bog turtle, Carolina northern flying squirrel, Virginia big eared bat, Spruce-fir moss spider, Blue Ridge goldenrod, Heller's blazing star, Roan mountain bluet, Spreading avens, Rock gnome lichen, Northern long-eared bat**

T&E species effect: **No Effect**

Trout County : **Yes**

TVA County: **Yes-**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **Yes**

Which species: **Brown Trout**

Duration : **October 15 to April 15**

Permits: **NWP 14, TVA**

Water Quality Classification: **C**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Watauga**

Riparian Buffer Rules: **No**

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: **No**

Public Use Boat Ramp: **No**

Cemeteries: **No**

Known Or Potential Historic Properties In The Area:

Architecture: No Historic Properties Affected Archaeology: No Historic Properties

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: **DWR doesn't consider it a trout stream but NCWRC does and is a Hatchery Supported Water**

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** 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? **No**

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:

3@12' x 4' RCBC.

***Avoid Jurisdictional ditch in front of barn.**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☐ Stage: ☒ **downstream** New Alignment: ☐ On-site detour ☐
(south side)

Clear roadway width : 12'
10'lane with 1' shy each side
Temp. Signals: No
Alignment: S
10 mph design speed

Environmental Document Prepared by DBE: Low Impact Data Spreadsheet ☐ Minimum Criteria Checklist ☒

ADT: **40vpd/ SIR** NHS: **No** Tier: **Sub-Regional** Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **N/A**

Roadway lane width **14' lane with 2' shoulders (18' total roadway width); eliminate guardrail**

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

Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **N/A**

Min. Pavement Surface Course: **N/A** inches: Existing Roadway: **11 & Gravel**

Pavement Marking: **None** Pavement markers: **None**

Will Railroad Involvement Be Required: **No** Method of Clearing: **II Modified**

Truck Percentage: : **0 %** Reasonable Safe Speed per SIR: **15** mph (per discussion in Field Scoping Meeting)

Liquidated damages: will be imposed after **60** days of closure/construction. Amt: \$ **500** per day

CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **DBT to provide & install Pin/Cap**

Salvageable materials: **All steel I-beams & timber caps**

Contact Person/number: **David Scott 828-268-6061 (Office)**

Deliver to: **Boone Bridge Maintenance Yard - 1989 NC 194 N, Boone, NC 28607**

Removal of previous structure remnant abutments/piers: **None**

Sequencing priority in construction? **None**

Comments:

Watauga 940261

