

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 3368**

County: **GUILFORD**

Project Description: **Bridge No. 400272 over CLIMAX CREEK on SR 3368 (Watchtower 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: **400272 over CLIMAX CREEK on SR 3368 (Watchtower Road)**

Ex. Bridge Clear Deck Width: **21.17 Ft.** Roadway width: **20 Ft.**

(Bridge / Culvert) Length: **35 Ft.** Deck Width (Out To Out): **22.17 Ft.**

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

Year Built: **1956** Posted: SV **N/A** TTST: **N/A**

Superstructure: ; **Timber Deck on** Abutment: **Timber** Pier Type:
Timber Joists

Temp. Shored: **No**

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

PRI: **62.8** DP: **4.5** SR: **20.5** School Bussing crossings per day: **3 buses/ 3 trips – No concerns**

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

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

If Off-Site, Description Of Detour Route: **SR 3093 to SR 3370 to SR 3381**

Approximate Length Of Detour? **3.24 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 **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: **SW side of bridge in pasture.
Should not be affected, approx. 50' from C/L**

Endangered Species In County: **Bald Eagle, Northern Long-Eared Bat (Proposed), Small
Whorled Pogonia**

T&E species effect: **No effect for Eagle. Survey Required in May for Pogonia conducted by
NES**

Trout County : **No**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration :

Permits:

Water Quality Classification: **WS-IV; 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 Sites Present

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: **No**

Comments: **Near NC-2 (Mountains to Sea Bike Route) and Prop. Climax Creek Greenway.
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? **Detail Study** (MOA) State Stormwater Permit? **No**
Is There Unusual Scour Potential? **No** Is Protection Needed? **Standard**
Are Banks Stable? **Yes** Is Protection Needed? **Rip Rap Banks**
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: **65'** Min. Number Of Spans: **1** Span Arrangement: **65'**
Waive offset: **Yes** Cap: **4'** Skewed: **Yes**

Take out mud sills and rip rap banks

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: **700/ 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: **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: **20 foot 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: **60 mph**
Liquidated damages: will be imposed after **100** days of closure/construction. Amt: \$ **250** 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? **July 1 – April 1 construction due to strawberry season.**
Comments:



