

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

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

Field Scoping Meeting Date: **Feb. 19, 2014**

Division: **7**

Location: **On-site**

Route (US/NC/SR): **SR1500**

County: **ORANGE**

Project Description: **Bridge No. 670132 over UT to SOUTH HYCO CREEK on SR1500 (Allison Rd)**

Tier: **Sub-Regional**

Municipality: **No**

**Attendees**

|                             | <b>Name</b>           | <b>Phone No.</b>    | <b>E-mail</b>                                                      |
|-----------------------------|-----------------------|---------------------|--------------------------------------------------------------------|
| Division Bridge Manager     | <b>Tim Powers</b>     | <b>336-487-0000</b> | <a href="mailto:tpowers@ncdot.gov">tpowers@ncdot.gov</a>           |
| Division Environmental Off. | <b>Jerry Parker</b>   | <b>336-256-2063</b> | <a href="mailto:jparker@ncdot.gov">jparker@ncdot.gov</a>           |
| Hydraulics Engineer         | <b>Bill Elam</b>      | <b>919-707-6718</b> | <a href="mailto:belam@ncdot.gov">belam@ncdot.gov</a>               |
| Hydraulics Engineer         | <b>Galen Cail</b>     | <b>919-707-6711</b> | <a href="mailto:gcail@ncdot.gov">gcail@ncdot.gov</a>               |
| TPMU                        | <b>Pam Williams</b>   | <b>919-707-6608</b> | <a href="mailto:prwilliams@ncdot.gov">prwilliams@ncdot.gov</a>     |
| TPMU                        | <b>Tom Bacon</b>      | <b>919 707-6607</b> | <a href="mailto:tabacon@ncdot.gov">tabacon@ncdot.gov</a>           |
| Bridge Management           | <b>Paul Garrett</b>   | <b>919-707-6457</b> | <a href="mailto:pgarrett@ncdot.gov">pgarrett@ncdot.gov</a>         |
| Division Environmental Off. | <b>Nicole Thomson</b> | <b>336-334-3515</b> | <a href="mailto:Njthomson2@ncdot.gov">Njthomson2@ncdot.gov</a>     |
| DENR-DWR                    | <b>Dave Wanucha</b>   | <b>336-771-4951</b> | <a href="mailto:Dave.wanucha@ncdot.gov">Dave.wanucha@ncdot.gov</a> |
| Division 7                  | <b>Aaron Carr</b>     | <b>513-485-2952</b> | <a href="mailto:aacarr@ncdot.gov">aacarr@ncdot.gov</a>             |
|                             |                       |                     |                                                                    |
| USFWS                       | <b>Gary Jordan</b>    |                     | Not present – sent comments                                        |
| USACE                       | <b>David Bailey</b>   |                     | Not present – sent comments                                        |
| NCWRC                       | <b>Travis Wilson</b>  |                     | Not present – sent comments                                        |

## **Existing Features**

Feature Bridged: **670132 over UT to SOUTH HYCO CREEK on SR1500 (Allison Rd)**

Ex. Bridge Clear Deck Width: **19.0 (Ft.)** Roadway width: **20 (Ft.)**

(Bridge / Culvert) Length: **19 (Ft.)** Deck Width (Out To Out): **20(Ft.)**

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

Year Built: **1957** Posted: SV **17** TTST: **25**

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

Temp. Shored: **Yes**

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

PRI: **42.89** DP: **1** SR: **36** School Bussing crossings per day:

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

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

If Off-Site, Description Of Detour Route: **NC 86 to SR 1502(Burton Road) to SR 1501 (Allison Road)**

Approximate Length Of Detour? **2.5 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**

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**

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 **No**

Comments:

Endangered Species In County: Not present [Bald Eagle, dwarf wedgemussel, smooth coneflower, Michaux's sumac]

T&E species effect: **No effect for all**

Trout County : **No**

TVA County: **No**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration :

Permits:

Water Quality Classification: **WS II, HQW**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Roanoke**

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 Survey Required**

**Archaeology; No Sites Present**

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:

## **Geotechnical**

Are There Any Historical And/Or Vibration Sensitive Structures Near By **No** 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: **No** Comments:

Possible Foundation Type: @ **End Bents**

@ **Interior**

## Hydraulics

FEMA Approval? **No**

State Stormwater Permit? **Yes, Authorization from DWR**

Is There Unusual Scour Potential? **No**

Is Protection Needed?

Are Banks Stable? **No**

Is Protection Needed? **Yes**

Appreciable Amount Of Large Debris? **Moderate**

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: **Yes**

**2 @ 10' x 6' RCBC**

**Extend wing wall on the Southwest bank as necessary to catch slope and armor bank as necessary.**

## 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: **100 / SIR**

NHS: **0**

Tier: **Sub-Regional**

Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.:

Roadway lane width **\_9\_** ' with **\_4\_** ' shoulders

Extension of Paved shoulders: **No paved shoulders**

Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **No pavement**

Min. Pavement Surface Course: **N/A** inches:

Existing Roadway: **13' to 16' Gravel**

Pavement Marking: **None**

Pavement markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **II**

Truck Percentage: : **6 % per BIR;**

Reasonable Safe Speed per Division: **55 mph SIR**  
**Division recommends 35 mph**

Liquidated damages: will be imposed after **120** 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? **No**

Comments: No plans to upgrade roadway. **Proposed ABC, no pavement (gravel roadway). Division recommends reasonable speed limit of 35 mph. No Plans to upgrade road**

