NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

FIELD SCOPING MEETING WORKSHEET

Design Build Process

WBS No.: **48067.1.1 (B-5873)** Field Scoping Meeting Date: **March 16, 2016**

Division: **13** Meeting Location: **On-site**

Route (US/NC/SR): **SR 3137** County: **Buncombe**

Project Description: **Bridge No. 100088 over Cane Creek on SR 3137 (Sharon Road)**

Tier: **Sub-Regional** Funding: **State**

Municipality: **N/A**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	**Chris Medlin**	**(828) 298-1128**	**cdmedlin@ncdot.gov**
Division Environmental Off.	**Yates Allen**	**(828) 251-6171**	**yallen@ncdot.gov**
Hydraulics Engineer	**Marc Shown** **Rusty Lassiter**	**(919) 707-6751**	**mshown@ncdot.gov**
PPU	**Pam Williams**	**(919) 707-6608**	**prwilliams@ncdot.gov**
PPU	**Eileen Fuchs**	**(919) 707-6613**	**eafuchs@ncdot.gov**
DENR-DWQ	**Kevin Barnett**	**(828) 296-4657**	**Kevin.Barnett@ncdenr.gov**
USFWS	**Andrew Henderson**	**(828) 258-3939 ext. 227**	**andrew_henderson@fws.gov**
Division Utility	**Robert Briggs**	**(828) 251-6171 ext. 224**	**rbriggs@ncdot.gov**

Gersheon Carver & Steve Gosnell– L&S

Existing Features

Feature Bridged: **100088 over Cane Creek on SR 3137 (Sharon Road)**

Exist. Bridge Clear Deck Width: **14.08'** Approach Roadway width: **15'**

Bridge Length: **46'** Deck Width (Out To Out): **15.08'**

Water Depth: **2'** Height Bed-To-Crown: **13**'

Year Built: **1959** Posted: SV: **Not Posted** TTST: **Not Posted**

Superstructure: **Timber Floor on I-Beam** Substructure: **Abuts: reinforced concrete** Pier Type: **1@ 45'-5.5"**

Temp. Shored:

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

PRI: **59.93** DP: **4.50** **SR: 21.79** School Bus crossings per day: **None**

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

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

If Off-Site, Description Of Detour Route: **SR 3137 – SR 3138 – US 74A – SR 3136 – SR 3137**

Approximate Length Of Detour? **≈ 3.7 miles, measurement from Google Map**

Improvements Needed To Road(s) On Detour? **No (including no paving US 74A)**

Div. Traffic Eng. Recommend Off-site detour signing? **Trailblazing with Street/Road names**

Improvements Needed To Bridges On Detour? **No**

Are future plans for upgrading this roadway either at or in the vicinity of this project? **No**

Are Bridges On Detour Currently Programmed? **No**

Are There EMS Or Business Access Issues? **No, per Buncombe County EMS response, the potential impacts on Emergency Medical Services will be minimal**

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

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

Overhead Utility Lines	In Conflict	**See below**
Power Transmission Lines	In Conflict	
Telephone	In Conflict	**See below**
Cable Lines	In Conflict	
Fiber Optic	In Conflict	
Water	In Conflict	**See below**
Sewer	In Conflict	
Natural Gas	In Conflict	**See below**
Other	In Conflict	**There are no utilities attached to the bridge; Final Survey DGN file will be provided.**

AT&T CORP. has a pole in the Northeast corner of the bridge with two drops and an aboveground

line to a pole located on the Southeast side of the bridge with one drop. And three underground lines, two are on the South side of Cane Creek Rd. running Northeast towards Sharon Rd. and run to the first pole on the Northeast side of the bridge, and one line running Southeast down Sharon Rd. on the East side from the second pole.
Duke Energy has no poles on SR-3133 (Sharon Rd.). Duke Energy also has one pole at the beginning of the project on the South side of SR 3136 (Cane Creek Rd.) running North. There are also four poles on the West side of SR-3136 (Cane Creek Rd.) and one pole on the South side of Cane Creek Rd. at the end of the project. All are shown in the FS file.
PSNC has a gas line running the length of the project on the South side of SR-3136 (cane creek Rd.) crossing Sharon Rd.
City of Asheville has a water line running the length of the project on the North side of SR-3136.

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:

Endangered Species In County: Per NHP records, there are no T&E element occurrences within 1.0 mile of the bridge. Biological conclusion for the following is “No Effect”: Carolina northern flying squirrel, Bog turtle, Spotfin chub, Spruce-fir moss spider, Spreading avens, Rock gnome lichen, Virginia Spirea, Bald eagle

Northern Long Eared Bat, Gray Bat, Appalachian Elktoe, Tan Riffleshell, Spotfin Chub**: No Effect**

Trout County : **Yes** TVA County: **Yes**

CAMA County; **No** Primary Nursery Area: **Yes**

Moratoria: **No** Which species: **N/A** Duration: **N/A**

Permits discussion:

Water Quality Classification: **C** 303d: **No**

Coast Guard Permit? **No** Drainage Basin: **French Broad** Riparian Buffer Rules: **None**

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 or Power Generation: **No**
Water Supply Reservoir**:** **No**	Nutrient Sensitive Waters: **No**
Public Use Boat Ramp**:** **No**	Cemeteries: **No**
VAD/Farmland Protection: **No**	Game lands: **No**

Comments: **Trout & Hatchery Support**

Known Or Potential Historic Properties In The Area:
Architecture: No Survey Required **Archaeology: NHP**

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: **Yes, per Bike & Ped Report**

Comments: **Per SubRegional Tier guidelines, 42" vertical concrete rail is acceptable for bridges less than 100' in length.**

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: **No**

Comments:

GeoEnvironmental Report for Planning (memo date: June 15, 2016)

Findings:
UST Facilities - no petroleum sites were identified within the project limits.
Hazardous Waste Sites- no Hazardous Waste Sites were identified within the project limits.
Landfills - no apparent landfills were identified within the project limits.
Other GeoEnvironmental Concerns - no other GeoEnvironmental concerns were identified within the project limits.

Anticipated Impacts:
The GeoEnvironmental Section observed no contaminated properties during the field reconnaissance and regulatory agencies' records search.

Are Any Impacts Anticipated To Natural Springs Or Artesian Wells: Comments:

Possible Foundation Type: @ **End Bents** @ **Interior**

Hydraulics

FEMA Approval? **Yes; Limited Detail** (MOA) 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: **No** Where:

Superstructure Type: **Bridge** If Bridge: **CS** If girder; why?

Length Of Structure: **70'** Min. Number Of Spans: **1** Span Arrangement: **1 @ 70'**

Waive offset: **Yes; right side (north); No; left side (south)** Cap: **4'** Skewed: **Vertical abutment on right side (north)**

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 (Let Year 2018): **210 VPD (interpolated traffic forecast from TPB memo dated: 3/7/16)** NHS: 0 Tier: **Sub-regional** Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **30' Out To Out**

Roadway lane width: **10'** with **3'** shoulders or pave to face of guardrail

Extension of Paved shoulders: **to end of guardrail and taper 8:1**

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

Min. Pavement Surface Course: **3"** (inches) Existing Roadway: **13' – 17'**

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

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

Truck Percentage: **3% (2% duals; 1% TTST)** Reasonable Safe Speed per SIR: **25 MPH**

Liquidated damages: will be imposed after **150** days of closure/construction. Amt: **$ 500** per day

CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **Conc.**

Salvageable materials: **Steel I- Beams**

Contact Person/number: **Shannon Woody** mswoody@ncdot.gov **(828) 298-1128**

Deliver to: **Buncombe County Bridge Maintenance Yard located at:**

20 Old 74, Asheville, NC 28803; DOT will offload

Removal of previous structure remnant abutments/piers: **No**

Sequencing priority in construction? **No**

Comments:

- **design and replace 24" CMP located 80' south of bridge (prior to gravel section);**
- **bridge & creek are very close to a stop condition-"T" Intersection;**
- **pave 150' on east side approach; pave to end of radii at intersection on west side**
- **resurface Cane Creek Road 150' (75' on each side of the intersection)**