

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

TIP: B-6011

WBS: 17BP.13.R.196

Field Scoping Meeting Date: 11/8/18

Division: 13

Location: On-site

Route (US/NC/SR): SR 1430

County: Burke

Project Description: Structure 110145 over Bristol Creek on SR 1430 (Harland Road)

Tier: Sub-Regional

Funding: Federal

Municipality: N/A

Attendees

[illegible]

Existing Features

Feature Bridged: Bridge No. 110145 over Bristol Creek on SR 1430

Ex. Bridge Clear Deck Width: **18.917 Ft**

Roadway width: **16 Ft**

(Bridge / Culvert) Length: **41 Ft**

Deck Width (Out To Out): **19.833 Ft**

Water Depth: **1 Ft**

Height Bed-To-Crown: **7 Ft**

Year Built: **1958**

Posted: **SV 10**

TTST: **10**

Superstructure: **Timber Floor
on I-Beams**

Abutment: **EB1: Tim Caps/Tim
Posts & Sills; EB2: Tim
Caps/Tim Piles**

Pier Type: **1 @ 40'-6"**

Temp. Shored:

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

PRI: **65.61**

DP: **31.61**

SR: **10.8**

School Bussing crossings per day: **Buses per
day: 3; Trips per day: 2**

Posted Speed Limit Vicinity: **40 mph**

Detour

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

If Off-Site, Description Of Detour Route: **SR 1429 - SR 1428 - SR 1427 - SR 1426**

Approximate Length Of Detour? **6.6 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 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**

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 **Yes**

Cable Lines In Conflict

Fiber Optic In Conflict **Yes**

Water In Conflict **Yes**

Sewer In Conflict

Natural Gas In Conflict

Other In Conflict **Guy Wire**

Is There Any Future Utility Construction Anticipated In The Project Area:

Is A FEMA Buy-Out Property Being Impacted:

Environmental

Wetlands At Site: **No**

Comments:

Endangered Species In County: **Dwarf-Flowered Heartleaf, Heller's Blazing Star, Mountain Golden Heather, Small Whorled Pogonia, Spreading Avens, White Irisette, Rock Gnome Lichen**

T&E species effect: **No**

Trout County: **Yes**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration:

Permits discussion: **Nationwide 3**

Water Quality Classification: **WS-IV**

303d: **No**

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: **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**

Kwn Or Potential Historic Properties In The Area: **No**

Architecture: Survey Required—No Historical Properties

Archaeology: No Survey Required

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 n-Marked Bicycle Route: **No**

Comments:

Geotechnical

Are There Any Historical and/or Vibration Sensitive Structures Near By? -----

Comments:

Are There Any Kwn 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 Bents:

Hydraulics

FEMA Approval? **Yes** (MOA) State Stormwater Permit? **No**
Is There Unusual Scour Potential? **No** Is Protection Needed? **Std**
Are Banks Stable? **Yes** Is Protection Needed? **Std**
Appreciable Amount Of Large Debris? **Moderate**
Placement Of Bents In The Water Be Allowed: **N/A** Where:
Structure Type: **Bridge** If Bridge: **CS** If girder; why?
Length Of Structure: **70ft** Min. Number Of Spans: **1** Span Arrangement: **1 @ 70ft**
Waive offset: **No; hold upstream face** EB Cap: **4'-0"** Skewed: **Yes**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☒ Stage Construction ☐ New Alignment ☐ On-site ☐
Clear roadway width:
Temp. Signals:
Alignment: N, E, W, S Alignment: N, E, W, S Alignment: N, E, W, S
Environmental Document Prepared by DEO:
CE (federal) ☒ Minimum Criteria Checklist (state) ☐
ADT: **1700 per SIR** NHS: **0** Tier: **Sub-Regional** Func. Class: **Local**
Bridge Min. Clear Deck Width Recommended by Div.: **30ft OTO**
Roadway lane width: **10'** with **3'** shoulders, including **2'** paved shoulders
Extension of Paved shoulders: **end of construction limits taper 8:1**
Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **Yes**
Min. Pavement Surface Course: **3"** Existing Roadway: **19ft**
Pavement Marking: **Paint** Pavement Markers: **None**
Will Railroad Involvement Be Required: **No** Method of Clearing: **Type II Modified**
Truck Percentage: **6 %per BIR** Reasonable Safe Speed per SIR: **30 mph (from speed study)**
Liquidated damages: will be imposed after **180** days of closure/construction. Amt: **\$ 500** per day
CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **Conc.**
Salvageable materials: **No**
Contact Person/number:
Deliver to:
Removal of previous structure remnant abutments/piers: **Yes**
Sequencing priority in construction? **Priority along with 100142**
Comments: **Pave to farthest radii of SR 1431. A turnaround for school buses may be necessary.**

