

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

TIP: **B-6006** WBS: **48201.1.1** Field Scoping Meeting Date: **July 30, 2018**
Division: **6** Location: **On-site**
Route (US/NC/SR): **SR 1159** County: **Columbus**
Project Description: **230313 over Boggy Branch on SR 1159 (Old Tram Road)**
Tier: **Subregional** Funding: **Federal**
Municipality: **N/A**

Attendees

	Name	Phone	E-mail
Division Bridge Program Manager	Christy Huff, PE	910-364-0603	chuff@ncdot.gov
Division Environmental Officer	James Rerko	910-364-0834	jjrerko@ncdot.gov
Division Environmental Specialist	Greg Price	910-364-0835	gwprice2@ncdot.gov
Division Project Development Eng.	Steve Kendall	910-364-0603	sdkendall@ncdot.gov
Division Bridge Maintenance Engineer	Darren Pittman	910-364-0670	dpittman@ncdot.gov
Assistant Division Bridge Maintenance Engineer	Mike Fisher	910-364-0670	mdfisher@ncdot.gov
Division Utility Coordinator	Rick Bounds	910-639-7345	rbounds@ncdot.gov
PPU	Jamie Lancaster, PE	919-707-6620	jlancaster@ncdot.gov
PPU	Jess Earley, PE	919-707-6606	jsearley@ncdot.gov
Hydraulics Engineer	Jon Moore, PE	919-707-6738	jlmoore6@ncdot.gov
Hydraulics Engineer	Erik Seiler	919-707-6757	epseiler@ncdot.gov
NCDEQ-DWR	Joanne Steenhuis		Joanne.steenhuis@ncdenr.gov
Bridge Maintenance Supervisor	Gary Hilburn	910-642-4388	gdhilburn@ncdot.gov
Assistant Resident Engineer (Whiteville)	Jason Johnson	910-642-2489	Jajohnson4@ncdot.gov
District Engineer (Bladen, Columbus)	Ken Clark, PE	910-642-3760	klclark@ncdot.gov

Existing Features

Feature Bridged: Structure **230313 over Boggy Branch on SR 1159 (Old Tram Road)**

Ex. Bridge Clear Deck Width: **24 (Ft.)**

Roadway width: **20 (Ft.)**

(Bridge / Culvert) Length: **73 (Ft.)**

Deck Width (Out To Out): **25.417 (Ft.)**

Water Depth: **3 (Ft.)**

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

Year Built: **1955**

Posted: SV **Not Posted**

TTST: **Not Posted**

Superstructure: **Reinforced
Concrete floor on I-Beams**

Abutment: **_**

Pier Type: **1 @ 18'3", 2 @
18'4", 1 @ 18'5"**

Temp. Shored:

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

PRI: **52.89**

DP: **2.5**

SR: **26.64**

School Bussing crossings per day: **Division**

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

Detour

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

If Off-Site, Description Of Detour Route: SR 1158 - NC 905 - NC 130 - SR 1166 - SR 1157 - SR 1159

Approximate Length Of Detour? **8.2 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? **Division**

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

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

Overhead Utility Lines

In Conflict **No**

Power Transmission Lines

In Conflict **No**

Telephone

In Conflict **Yes**

Cable Lines

In Conflict **Yes**

Fiber Optic

In Conflict **Yes**

Water

In Conflict **No**

Sewer

In Conflict **No**

Natural Gas

In Conflict **No**

Other

In Conflict **No**

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

Is A FEMA Buy-Out Property Being Impacted:

Environmental

Wetlands At Site: **Yes** Comments:

Endangered Species In County: Red-Cockaded Woodpecker, Cooley's Meadowrue, Rough-Leaved Loosestrife

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

Trout County: **No**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species: **N/A**

Duration: **N/A**

Permits discussion: **NW #3**

Water Quality Classification: **Class C-Sw**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Lumber**

Riparian Buffer Rules: **N/A**

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**

Known Or Potential Historic Properties In The Area: **None**

Architecture: No Survey Required

Archaeology: No Survey Required

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 n-Marked Bicycle Route: **No**

Comments:

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 Bents:

Hydraulics

FEMA Approval? **Yes** (MOA) State Stormwater Permit? **No**
Is There Unusual Scour Potential? **No** Is Protection Needed? **Standard**
Are Banks Stable? **Yes** Is Protection Needed? **Standard**
Appreciable Amount Of Large Debris? **Moderate**
Placement Of Bents In The Water Be Allowed: **Yes** Where: **between bent 2 & 3 (not in center 1/3)**
Structure Type: **Bridge** If Bridge: **CS -- 21"** If girder; why?
Length Of Structure: **90** Min. Number Of Spans: **2** Span Arrangement: **1 @ 40, 1 @ 50**
Waive offset: **Yes** EB Cap: **2'-6"** Skewed: **30°**

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: **760 per SIR** NHS: **0** Tier: **Subregional** Func. Class: **Minor Collector**
Bridge Min. Clear Deck Width Recommended by Div.: **33 ft OTO**
Roadway lane width: **11'** 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: **3"** Existing Roadway:
Pavement Marking: **Paint** Pavement Markers: **Raised**
Will Railroad Involvement Be Required: **No** Method of Clearing: **II Modified**
Truck Percentage: **6% per BIR** Reasonable Safe Speed per SIR: **55 mph (from speed study)**
Liquidated damages: will be imposed after **120** days of closure/construction. Amt: **\$ 500** per day
CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **Pin & Cap**
Salvageable materials: **No**
Contact Person/number:
Deliver to:
Removal of previous structure remnant abutments/piers: **Remove all structure remnants**
Sequencing priority in construction? **No**
Comments: **Not on an evacuation route**

