

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

TIP No.: **B-5767** WBS No.: **45723.1.1** Field Scoping Meeting Date:
Division: **9** Location: **On-site**
Route (US/NC/SR): **NC 150** County: **ROWAN**
Project Description: **Bridge No. 63 over Kerr Creek on NC 150 (Mooresville Rd)**
Tier: **REGIONAL** Funding: **HFB**
Municipality:

Attendees

	Name	Phone No.	E-mail
Division Bridge Program Manager	Matt Jones	336-747-7800	mwjones@ncdot.gov
Division Environmental Specialist	Stephanie Braquet	336-747-7800	scbraquet@ncdot.gov
Division Construction Engineer	Keith Raulston	336-747-7800	kraulston@ncdot.gov
Division Bridge Superintendent	Chuck White	704-630-3260	crwhite@ncdot.gov
Rowan County Bridge Supervisor	Scott Cornatzer	704-630-3260	bscornatzer@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
PPU	Jamie Lancaster	919-707-6620	jlancaster@ncdot.gov
Hydraulics Engineer	Galen Cail	919-707-6711	gcail@ncdot.gov
Hydraulics Engineer	Chris Lewis	919-707-6714	Crlewis2@ncdot.gov
Hydraulics Engineer	Tatiana Cooper		Tecooper1@ncdot.gov
USACE	John Thomas - Did Not attend – provided comments	919-554-4884 x25	John.t.thomas.jr@usace.army.mil
NCDEQ-DWR	Dave Wanucha - Did Not attend – provided comments	336-771-4951	dave.wanucha@ncdenr.gov
USFWS	Andrew Henderson - Did Not attend – provided comments	828-258-3939 x 227	Andrew_Henderson@fws.gov
NCWRC	Marla Chamber - Did Not attend	704-485-8291	Marla.chambers@ncwildlife.org
Locations and Surveys	Mike Motsinger	336-969-0523	mmotsinger@ncdot.gov
Locations and Surveys	Ruth E. Brim	336-969-9550	rebrim@ncdot.gov
Rowan Bridge Maint.	Nicholas Hanes	704-639-7555	nmhanes@ncdot.gov

Existing Features

Feature Bridged: **790063 over Kerr Creek on NC 150 (Morresville Rd)**

Ex. Bridge Clear Deck Width: **31.33 (Ft.)**

Roadway width: **28.17 (Ft.)**

(Bridge / Culvert) Length: **122 (Ft.)**

Deck Width (Out To Out): **33.5 (Ft.)**

Water Depth: **1 (Ft.)**

Height Bed-To-Crown: **15 (Ft.)**

Year Built: **1963**

Posted: SV **99**

TTST: **99**

Superstructure: **REINFORCED
CONCRETE DECK ON I-
BEAMS**

Abutment: **RC CAPS ON STEEL
PILES**

Pier Type: **RCP&W ON
SPREAD FTG**

Temp. Shored: **No**

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

PRI: **57.94**

DP: **1.5**

SR: **19.97**

School Bussing crossings per day: 3 buses/6 trips

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

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

If Off-Site, Description Of Detour Route: **N/A**

Approximate Length Of Detour? **N/A**

Improvements Needed To Road(s) On Detour? **N/A**

Div. Traffic Eng. Recommend Off-site detour signing? **N/A**

Improvements Needed To Bridges On Detour? **N/A**

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? **Low Impact**

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~~

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: **Bald Eagle, Northern Long-eared bat, Schweinitz's Sunflower**

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

Trout County: **No** TVA County: **No**

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

Moratoria: **None** Which species: **N/A** Duration: **N/A**

Permits discussion:

Water Quality Classification: **WS-II; HQW** 303d: **No**

Coast Guard Permit? **No** Drainage Basin: **Yadkin Pee-Dee** 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: **Yes** 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: **Yes**

Architecture: No Survey Required

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 Non-Marked Bicycle Route: **No**

Comments: **Kerr Mill Historic Site is located at the Park upstream of the Project**

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:

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? **Moderate** Is Protection Needed? **Armor banks in SE Quadrant**
Are Banks Stable? **Yes** Is Protection Needed?
Appreciable Amount Of Large Debris? **Low**
Placement Of Bents In The Water Be Allowed: **No** Where: **No**
Structure Type: **Bridge** If Bridge: **Girder** If girder; why? **Truck Traffic**
Length Of Structure: **125'** Min. Number Of Spans: **1** Span Arrangement:
Waive offset: **Yes** EB Cap: **4'-0"** Skewed: **45°**

Raise Grade a couple of feet.

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☐ Stage Construction ☐ New Alignment ☐ On-site ☒
two lanes CRW: **24' (11' lanes with 1' shy each side)**
Alignment: **North**

Environmental Document Prepared by DBE:

Low Impact Data Spreadsheet ☐ Minimum Criteria Checklist ☒

ADT: **5900** NHS: **No** Tier: **REGIONAL** Func. Class: **Major Collector**

Bridge Min. Clear Deck Width Recommended by Div.: **32' Clear Roadway Width**

Roadway lane width: **12'** with **8'** shoulders, including **4'** paved shoulders

Extension of Paved shoulders: end of **guardrail**

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

Min. Pavement Surface Course: **2½"** Existing Roadway: **23'**

Pavement Marking: **Thermoplastic** Pavement Markers: **Snowplowable**

Will Railroad Involvement Be Required: **No** Method of Clearing: **III**

Truck Percentage: **6 % (Duals-3, TTST-3)** Reasonable Safe Speed per SIR: **55 mph**

Liquidated damages: will be imposed after **365** days of closure/construction. Amt: **\$ 1000** per day

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

Salvageable materials: **Steel girders, if not composite**

Contact Person/number: **Chuck White – 704-630-3260**

Deliver to: **DOT will pickup, DBT to load**

Removal of previous structure remnant abutments/piers: **None**

Sequencing priority in construction? **Build 790061 and 790063 concurrently**

Comments: **Remove piers to stream bed. Min. 3' of clearance under bridge**