

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

TIP No.: **B-5778** WBS No.: **45734.1.1** Field Scoping Meeting Date: **February 10, 2016**
Division: **9** Location: **On-site**
Route (US/NC/SR): **NC 801** County: **ROWAN**
Project Description: **Bridge No. 61 over Fourth Creek on NC 801**
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 Supv.	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: **790061 over Fourth Creek on NC 801**

Ex. Bridge Clear Deck Width: **30.17 (Ft.)**

Roadway width: **25.833 (Ft.)**

(Bridge / Culvert) Length: **209 (Ft.)**

Deck Width (Out To Out): **32.33 (Ft.)**

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

Height Bed-To-Crown: **31 (Ft.)**

Year Built: **1940**

Posted: SV **Not Posted**

TTST: **Not Posted**

Superstructure: **REINFORCED
CONCRETE DECK GIRDERS**

Abutment: **RC SPILL
THROUGH**

Pier Type: **RC POST & BEAM**

Temp. Shored: **No**

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

PRI: **43.75156** DP: **10.17** SR: **43.5**

School Bussing crossings per day: 5 buses/12 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? **N/A**

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** Don't put light back on Pole

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: **C** 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: **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: **No**

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:

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? **Yes**

Comments: **One petroleum sites was identified in the project limits in NW Quadrant. Site is anticipated to present low geoenvironmental impacts.**

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? **Low**

Is Protection Needed? **Yes- Re-armor banks where bents are removed.**

Are Banks Stable? **Moderate**

Is Protection Needed? **Standard Rip Rap on Banks**

Appreciable Amount Of Large Debris? **Moderate**

Placement Of Bents In The Water Be Allowed: **No** Where:

Structure Type: **Bridge**

If Bridge: **Girder**

If girder; why? **Truck Traffic**

Length Of Structure: **225'**

Min. Number Of Spans: **3**

Span Arrangement:

Waive offset: **No**

EB Cap: **4'-0"**

Skewed: **Yes**

Use steel or Bulb Tee. Raise grade a couple of feet.

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☐

Stage Construction ☐

New Alignment ☒ or On-site ☒

two lanes CRW: **24'** (11' lanes with 1' shy each side)

Alignment: W

Alignment: **West**

Environmental Document Prepared by DBE:

Low Impact Data Spreadsheet ☐

Minimum Criteria Checklist ☒

ADT: **5500**

NHS: **No**

Tier: **REGIONAL**

Func. Class: **Major Collector**

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

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

Extension of Paved shoulders: end of **construction limits**

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

Min. Pavement Surface Course: **2½"**

Existing Roadway: **20**

Pavement Marking: **Thermoplastic**

Pavement Markers: **Snowplowable**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **III**

Truck Percentage: **7 % (Duals- 5, TTST-2)**

Reasonable Safe Speed per SIR: **55 mph**

Liquidated damages: will be imposed after 540 days of closure/construction. Amt: \$ 1000 per day

CEI by? **NCDOT**

R/W by?

DBT

R/W monuments? **Conc.**

Salvageable materials: **None**

Contact Person/number: **N/A**

Deliver to: **N/A**

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

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

Comments: **Option for On-site Detour or New Alignment to the West side**