

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

TIP No.: **B-5661** WBS No.: **45616.1.1** Field Scoping Meeting Date: **March 21, 2016**
Division: **4** Location: **On-site**
Route (US/NC/SR): **SR 2123** County: **JOHNSTON**
Project Description: **Bridge No. 0243 over Little River on SR 2123 (Old Dam Rd)**
Tier: **SUB-REGIONAL** Funding: **HFB**
Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Program Manager	Wade Harper	252-237-6164	waharper@ncdot.gov
Division Environmental Officer	Chad Coggins	252-237-6164	ccoggins@ncdot.gov
Division Resident Engineer	Bobby Liverman	252-459-2129	bliverman@ncdot.gov
Division Bridge Maint. Engineer	Randy Davis	252-296-3552	radavis@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
PPU	Jamie Lancaster	919-707-6620	jlancaster@ncdot.gov
Hydraulics Engineer	Jerry Lindsey	919-707-6734	jlindsey@ncdot.gov
Hydraulics Engineer	Andy Jordan	919-707-6729	pajordan@ncdot.gov
USACE	Tom Steffens	910-251-4615	Thomas.A.Steffens@usace.army.mil
NCDEQ-DWR	Rob Ridings (did not attend)	919-707-8786	Rob.ridings@ncdenr.gov
NCWRC	Travis Wilson (did not attend)	919-707-0370	travis.wilson@ncwildlife.org
USFWS	Gary Jordan	919-856-4520	Gary_jordan@fws.gov
NES- BSG	Jared Gray	919-707-6120	jgray@ncdot.gov
NES-BSG	Tim Bassette	919-707-6104	tpbassette@ncdot.gov

Existing Features

Feature Bridged: **500243 over Little River on SR 2123 (Old Dam Rd)**

Ex. Bridge Clear Deck Width: **24.167(Ft.)**

Roadway width: **24.167 (Ft.)**

(Bridge / Culvert) Length: **81 (Ft.)**

Deck Width (Out To Out): **24.167 (Ft.)**

Water Depth: **4 (Ft.)**

Height Bed-To-Crown: **16 (Ft.)**

Year Built: **1950**

Posted: **SV 31**

TTST: **36**

Superstructure: **STEEL PLANK
FLOOR/I-BEAMS**

Abutment: **E.BTS:TIM.CAPS
ON TIM.PILES;BT:RCP&BEAM
W/STL.CAP**

Pier Type: **E.BTS:TIM.CAPS
ON TIM.PILES;BT:RCP&BEAM
W/STL.CAP**

Temp. Shored: **No**

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

PRI: **55.189** DP: **2.5** SR: **27.08**

School Bussing crossings per day: **7 buses/17 trips**

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

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

If Off-Site, Description Of Detour Route: **SR 1934 to SR 2127 to SR2124**

Approximate Length Of Detour? **4.8 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~~

Cable Lines ~~In Conflict~~

Fiber Optic ~~In Conflict~~

Water ~~In Conflict~~ **-Possible**

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: **Yes**

Comments:

Endangered Species In County: **Red cockaded woodpecker, Dwarf Wedgemussel, Tar River spinymussel, Michaux's sumac**

T&E species effect: **Unresolved for Mussels; No effect for woodpecker and sumac**

Trout County: **No**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **No**

Which species:

Duration:

Permits discussion:

Water Quality Classification: **WS-V; NSW**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **Neuse**

Riparian Buffer Rules: **Yes**

Is The Project Site In Or Near Any Of The Following:

National Forest:

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: **Yes**

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: NHP

Is The Bridge Structure Itself, Or Any Part Thereof, Considered Historic: **No**

Impacts to a Church, Community Center, Or Other Public Facility? **Church on NE side; picnic area in SE Quadrant**

Is this a Statewide Bicycle Route or a Local Non-Marked Bicycle Route: **No**

Comments: **Gage Station can be removed if it is in the way; Natural dam located downstream of bridge. Formal Section 7 consultation with USFWS is required due to mussels**

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, detailed**
(MOA)

State Stormwater Permit? **No**

Is There Unusual Scour Potential? **Yes**

Is Protection Needed? **Std. End Bent Protection**

Are Banks Stable? **Yes**

Is Protection Needed? **Std. End Bent Protection**

Appreciable Amount Of Large Debris? **Moderate**

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

Structure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **110'**

Min. Number Of Spans: **3**

Span Arrangement: 30 – 55 - 25

Waive offset: **No**

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

Skewed: **90**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

Environmental Document Prepared by DBE:

Low Impact Data Spreadsheet ☒

Minimum Criteria Checklist ☐

ADT: **1000 per**
forecast

NHS: **No**

Tier: **SUB-REGIONAL**

Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **30' OTO; 2-bar Rail**

Roadway lane width: 10 ' with 3 ' shoulders including 2' paved 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: **20'**

Pavement Marking: **Paint**

Pavement Markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **II Modified**

Truck Percentage: **4 % (3% Duals, 1%TTST)**

Reasonable Safe Speed per SIR: **50 mph**

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? **Concrete**

Salvageable materials: **No**

Contact Person/number:

Deliver to:

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

Sequencing priority in construction? **No work on Sunday or during funerals;**

Comments: **Match existing guardrail length; maintain 12' from back of guardrail to shoulder in SE Quadrant for pull out area. Stripe to match existing lane widths.**