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

TIP: **B-6008** WBS: **48203.1.1** Field Scoping Meeting Date: **July 30, 2018**

Division: **6** Location: **On-site**

Route (US/NC/SR): **SR1536** County: **Bladen**

Project Description: **080198 over Kelly Creek on SR 1536** (**James Porter 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**
County Maintenance Engineer (Bladen)	**Nick Garrell**	**910-862-3396**	**nlgarrell@ncdot.gov**

Existing Features

Feature Bridged: Structure **080198 over Kelly Creek on SR 1536 (James Porter Rd)**

Ex. Bridge Clear Deck Width: **24 (Ft.)** Roadway width: **16 (Ft.)**

(Bridge / Culvert) Length: **51 (Ft.)** Deck Width (Out To Out): **25.417 (Ft.)**

Water Depth: **1 (Ft.)** Height Bed-To-Crown: **10 (Ft.)**

Year Built: **1966** Posted: SV **15** TTST: **22**

Superstructure: **Timber Floor on Timber Joists** Abutment: _ Pier Type: **1 @ 17'8", 1 @ 17'1", 1 @ 16'8"**

Temp. Shored: _

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

PRI: **45.915** DP: **3.175** **SR: 40.03** School Bussing crossings per day: **Division**

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

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

Road will be closed for the replacement of this bridge.

If Off-Site, Description Of Detour Route: Road will be temporarily closed during construction.

Approximate Length Of Detour? **Dead End Road**

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? **N/A**

Are Bridges On Detour Currently Programmed? **N/A**

Are There EMS Or Business Access Issues? **No**

Are There Any Railroad Crossings On Detour? **N/A**

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 **No**
Cable Lines	In Conflict **No**
Fiber Optic	In Conflict **No**
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: **No**

Is A FEMA Buy-Out Property Being Impacted: **No**

Environmental

Wetlands At Site: **Yes** Comments:

Endangered Species In County: Red-Cockaded Woodpecker, American Chaffseed, Pondberry, Rough-Leaved Loosestrife, Northern Long-Eared Bat

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: **Nationwide #3**

Water Quality Classification: **Class C-Sw** 303d: **No**

Coast Guard Permit: **No** Drainage Basin: **Cape Fear** 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: **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 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? **No** (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: **No** Where:

Structure Type: **Bridge** If Bridge: **CS—24”** If girder; why?

Length Of Structure: **65ft** Min. Number Of Spans: 1 Span Arrangement: **1@ 65ft**

Waive offset: **Yes** EB Cap: **4'-0"** Skewed: **90°**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☐	**Stage Construction** ☐	New Alignment ☐	**On-site** ☐
	Clear roadway width: Temp. Signals:		Clear roadway width: one lane w/ signals: **1-lane; no signals** or two lanes CRW:
	Alignment: N, E, W, S	Alignment: N, E, W, S	Alignment: N, E, W, S

Road will be temporarily closed during construction.

Environmental Document Prepared by DEO Or PEF:

CE (federal) ☒ Minimum Criteria Checklist (state) ☐

ADT: **90 per SIR** NHS: 0 Tier: Subregional Func. Class: Local

Bridge Min. Clear Deck Width Recommended by Div.: **24 ft OTO**

Roadway lane width: **9’** with **3'** shoulders

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

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

Min. Pavement Surface Course: **N/A** Existing Roadway:

Pavement Marking: **N/A** Pavement Markers: **N/A**

Will Railroad Involvement Be Required: **No** Method of Clearing: **Type II Modified**

Truck Percentage: **N/A** Reasonable Safe Speed per SIR: **25 mph (from speed study)**

Liquidated damages: will be imposed after **90** 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: **Yes**

Sequencing priority in construction? **This should be the last to design and construct; no construction between October 1st and January 1st (hunting season);**

Comments: **50 ft paved approaches, no approach slab; not on an evacuation route**