NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

FIELD SCOPING MEETING WORKSHEET

Design Build Process

WBS No.: **17BP.12.R.104**

Field Scoping Meeting Date: **November 7, 2016**

Division: **12**

Location: **On-site**

Route (US/NC/SR): **SR 1113**

County: **Lincoln**

Project Description: **# 540121 on SR 1113 (Reepsville Road) over TANYARD CREEK**

Tier: **Subregional**

Municipality: **None**

Attendees

	NAME	PHONE	EMAIL
Division Bridge Manager	Steve Rackley	704-480-9034	srackley@ncdot.gov
Division Environmental Supervisor	Trish Beam	704-480-9044	pdbeam@ncdot.gov
Hydraulics Engineer	Paul Fisher	919-707-6720	pfisher@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
US FWS	Andrew Henderson	828- 258 - 3939 x 227	andrew_henderson@fws.gov
Environmental Specialist	Jeff Wyatt	704-480-9041	jlwyatt@ncdot.gov
Div. 12 Bridge Maintenance Technician	Ryan Barbee	704-480-9029	rbarbee@ncdot.gov
L & S - Locating Engineer	Stacy Cooke	704-284-3331	slcooke@ncdot.gov

Existing Features

Feature Bridge: **# 540121 on SR 1113 (Reepsville Road) over TANYARD CREEK**

Ex. Bridge Clear Deck Width: **24.2 (Ft.)**

Approach Roadway width: **18 (Ft.)**

(Bridge / Culvert) Length: **91 (Ft.)**

Deck Width (Out To Out): **24.5 (Ft.)**

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

Height Bed-To-Crown: **14' (Ft.)**

Built date: **1974**

Posted: SV: **21** TTST: **24**

Superstructure Type: **Precast Prestressed concrete channels**

End Bent & Interior Bent: **PPC Caps on timber piles; timber bulkheads**

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

Sufficiency Rating: **48.75 ;** DP: **0** School Bus crossings per day: **8 trips per day**

Posted Speed Limit Vicinity: **Statutory 55** mph

Detour: Off-Site ☒ Stage Construction: ☐ On-site: ☐

If Off-Site, Description Of Detour Route: **SR 1197- SR 1215**

Approximate Length Of Detour? 6.4 miles

Improvements Needed To Road(s) On Detour? **No**

Div. Traffic Eng. Recommend Off-site detour signing? **Trailblazing**

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? **Yes; Lincoln Bridges 140 & 144**

Sequencing priority in construction? Construct **# 540121, #540140 & #540144 consecutively in this order**

Are There EMS Or Business Access Issues? **Moderate impacts**
Are There Any Railroad Crossings On Detour? **No**

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

Overhead Utility Lines	In Conflict	- **Yes**
Power Transmission Lines	In Conflict	
Telephone	In Conflict	- **Yes**
Cable Lines	In Conflict	- **Yes**
Fiber Optic	In Conflict	- **Yes**
Water	In Conflict	
Sewer	In Conflict	
Natural Gas	In Conflict	
Other	In Conflict	

Based On The Past History Near This Project Site, What Is The Estimated Time Required To Complete Utility Adjustments **_4_ Months**

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? **Northern long-eared bat (NLEB); Dwarf-Flowered heartleaf and Michaux's sumac**

T&E species effect: **None, except NLEB** - ***May Affect, but the activity is accepted under the Biological Opinion on the Northern Long-eared bat final 4d rule***

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

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

Moratoria: **No** Which species : Duration:

Permits Required: **NW3**

Water Quality Classification: **Class "C"** 303d: **No**

Coast Guard Permit? **No** Drainage Basin: **Catawba** Riparian Buffer rules: **None**

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:

Hist. Archit. Survey? **SHPO reviewing assessment for Warlick Homestead** Archaeology Survey? **NHP**

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

Any Church, Community Center, Or Other Public Facility Impacts? **No**

Project in on a Statewide Bicycle Route or a Local Non-Marked Bicycle Route: **Yes; NC 6 Piedmont Spur**

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 **No** Comments:

Are Any Impacts Anticipated To Natural Springs Or Artesian Wells: Comments:

Possible Foundation Type:

Hydraulics

FEMA Approval? **Yes; Limited Detail Study (MOA)**

Is There Unusual Scour Potential? **moderate** Is Protection Needed? **STD**

Are Banks Stable? **Yes** Is Protection Needed? **STD**

Appreciable Amount Of Large Debris? **moderate**

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

Superstructure Type: **Bridge** If Bridge: **CS** If girder; why?

Length Of Structure: **70 ft** Min. Number Of Spans: **1** Span Arrangement: **1 @ 70'**

Waive setback: **No** Cap: **4'-0"** Skewed: **90 degrees**

Items To Be Discussed / Resolved At FSM By Attendees

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

Environmental Document Prepared by DBE: Low Impact Data Spreadsheet ☐ Minimum Criteria Rule Checklist ☒

ADT: **2700 SIR** NHS: **No** Tier: **Subregional** Func. Class: **Minor Collector, Rural**

Bridge Min. Clear Deck width Recommended by Div.: **33' OTO with vertical face rail**

Roadway lane width **11'** with **6'** shoulders including **4'** paved shoulders for bike accommodations

Paved shoulders to be extended **to end of construction limits - Yes**

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

Min. Pavement Surface Course: **2 ½"** inches: Existing Roadway: 20' **paved**

Pavement markings: **Paint** Pavement Markers: **None**

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

Truck Percentage: : **6 %**; Reasonable Safe Speed: **55 mph**

Liquidated damages: will be imposed after **90** days of closure. Amt: **$ 500** per day

CEI: **DOT** R/W: **by DBT** R/W monuments: **Pin & Caps**

Salvageable materials: **None**

Contact Person/number:

Deliver to:

Removal of remnant abutments/piers: **No**

Comments: **Do not shop curve bridge anchor unit.**

Little Pott Creek
SR 1197
SR 1822
SR 1216
SR 1956
133
SR 1217
'12: 480
'13: 120
'10: 1200
SR 1208
1107 ft
SR 1212
SR 1438
134
Maybank Ln
'13: 210
SR 1922
SR 1922
SR 1216
12
SR 1215
'12: 1100
SR 1205
Tanyard Creek
SR 1206
SR 1206
SR 1208
SR 1215
SR 1216
SR 1113
SR 1197
'10: 520
'13: 260
SR 1205
'13: 2000
SR 1436
'12: 1300
'13: 380
SR 1113
SR 1197
'13: 300
SR 1113
121
Mintch Cir
SR 1204
SR 1194
SR 1193
SR 1200
SR 1185
SR 1203