

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION****FIELD SCOPING MEETING WORKSHEET****Design Build Process**WBS No.: **46313.3.F1 (B-5555) (FLAP-0215 (8))** Field Scoping Meeting Date: **December 3, 2014**Division: **14**Location: **On-site**Route (US/NC/SR): **NC 215**County: **Transylvania**Project Description: **Bridge No. 870046 over North Fork French Broad River on NC 215 (Parkway Road)**Tier: **Regional**Municipality: **No****Attendees**

|                             | <b>Name</b>             | <b>Phone No.</b>          | <b>E-mail</b>                            |
|-----------------------------|-------------------------|---------------------------|------------------------------------------|
| Division Bridge Manager     | <b>Josh Deyton</b>      | <b>828-488-0902</b>       | <b>jbdeyton@ncdot.gov</b>                |
| Asst. Bridge Program Mgr.   | <b>Mark Hill</b>        | <b>828-488-0902</b>       | <b>Mehill3@ncdot.gov</b>                 |
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| Asst. Div. Env. Officer     | <b>Dave McHenry</b>     | <b>828-586-2141</b>       | <b>dgmchenry@ncdot.gov</b>               |
| Hydraulics Engineer         | <b>Marc Shown</b>       | <b>919-707-6751</b>       | <b>mshown@ncdot.gov</b>                  |
| Hydraulics Engineer         | <b>Rusty Lassiter</b>   | <b>919-707-6732</b>       | <b>rlassiter@ncdot.gov</b>               |
| NCDOT – Geotechnical        | <b>Shane Clark</b>      | <b>282-298-3228</b>       | <b>scclark@ncdot.gov</b>                 |
| TPMU                        | <b>Pam Williams</b>     | <b>919-707-6608</b>       | <b>prwilliams@ncdot.gov</b>              |
| TPMU                        | <b>Jamie Lancaster</b>  | <b>919-707-6620</b>       | <b>jlancaster@ncdot.gov</b>              |
| Bridge Management           | <b>Paul Garrett</b>     | <b>919-707-6457</b>       | <b>pgarrett@ncdot.gov</b>                |
| NCDOT – L&S                 | <b>Pat Tuttle</b>       | <b>336-969-9550</b>       | <b>ptuttle@ncdot.gov</b>                 |
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| USACE                       | <b>Lori Beckwith**</b>  | <b>828-271-7980 x 223</b> | <b>Loretta.A.Beckwith@usace.army.mil</b> |
| DENR-DWR                    | <b>Kevin Barnett**</b>  | <b>828-296-4657</b>       | <b>Kevin.barnett@ncdenr.gov</b>          |
| USFWS                       | <b>Jay Mays</b>         | <b>828-258-3939 x 226</b> | <b>Jason_mays@fws.gov</b>                |
| NCWRC                       | <b>Andrea Leslie</b>    | <b>828-400-4223</b>       | <b>Andrea.Leslie@ncwildlife.org</b>      |
| NCWRC                       | <b>Marla Chambers</b>   | <b>704-485-8291</b>       | <b>Marla.chambers@ncwildlife.org</b>     |
| US Forest Service           | <b>Karen Compton</b>    | <b>828-257-4230</b>       | <b>kcompton@fs.fed.us</b>                |
| US Forest Service           | <b>Lorie Stroup</b>     | <b>828-877-3550 x 219</b> | <b>loriestroup@fs.fed.us</b>             |
| US Forest Service           | <b>Dave Danley</b>      | <b>828-712-5752</b>       | <b>ddanley@fs.fed.us</b>                 |
| NC-Cherokee                 | <b>Tyler Howe**</b>     |                           | <b>tylehowe@nc-cherokee.com</b>          |
| FHWA                        | <b>Mitch Batuzich**</b> |                           | <b>Michael.batuzich@dot.gov</b>          |

**\*\*Invited but could not attend field meeting.**

## **Existing Features**

Feature Bridged: **870046 over North Fork French Broad River on NC 215 (Parkway Road)**

Ex. Bridge Clear Deck Width: **18.75 (Ft.)** Roadway width: **19 (Ft.)**

(Bridge / Culvert) Length: **51 (Ft.)** Deck Width (Out To Out): **20(Ft.)**

Water Depth: **1(Ft.)** Height Bed-To-Crown: **15(Ft.)**

Year Built: **1936** Posted: SV **41** TTST: **43**

Superstructure: **RC Floor on I-Beams** Abutment: **Reinforced Concrete** Pier Type:

Temp. Shored: **N**

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

PRI: **45.15** DP: **3.5** SR: **58.72** School Bussing crossings per day:

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

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

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? **No**

Are There Any Railroad Crossings On Detour? **No**

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

Overhead Utility Lines ~~In Conflict~~ **No Utility conflicts**

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~~

What Is The Estimated Time Required To Complete Utility Adjustments **\_\_N/A**

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      None

Comments:

Endangered Species In County: **Bog Turtle, Carolina northern flying squirrel, Gray Bat, Northern Long eared bat (Proposed), Appalachian elktoe, Mountain sweet pitcherplant, Small whorled pogonia, Spreading avens, Swamp pink, Virginia spiraea, Rock gnome lichen**

T&E species effect: No effect on all except NLEB-may affect, not likely to adversely affect.

Trout County : **Yes**

TVA County: **Yes, TVA Mon. "AKW 219" SE quadrant**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **Yes**

Which species: **Brown Trout**

Duration : **Oct. 15 to April 15 no in-water work**

**Northern Long Ear Bat**

**May 15 to August 15, no tree clearing or bridge demolition**

Permits discussion:

Water Quality Classification: **B; Tr, HQW**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **French Broad**

Riparian Buffer Rules: **No**

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

National Forest: **Yes**

Wildlife Refuge: **No**

State, County, Or Local Park: **No**

Wild And Scenic River: **No**

Airport: **No**

Recreation Of Power Generation: **No**

Water Supply Reservoir: **No**

Nutrient Sensitive Waters: **No**

Public Use Boat Ramp: **No**

Cemeteries: **No**

Known Or Potential Historic Properties In The Area:

**Architecture: No Survey Required**

**Archaeology: No Sites Present**

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: **Yes – Route 5-Rosman to Blue Ridge Parkway**

Comments: **USFS to mark trees for pay out and DOT contractor will cut trees. Forest Service to do Biological Evaluation. NCDOT (Mark Davis) to notify trout farm downstream of construction.**

## Geotechnical

Are There Any Historical And/Or Vibration Sensitive Structures Near By **No**

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**

## Hydraulics

FEMA Approval? **No** (MOA )

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:

Superstructure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **105**

Min. Number Of Spans: **2**

Span Arrangement: **1 @ 70', 1@35'**  
looking downstream right to left

Waive offset: **No**

Cap: **4'**

Skewed:

## Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☐ Stage: ☒ **upstream**

New Alignment: ☐ On-site detour ☐

**Clear roadway width (CRW): 12' 10' lanes  
with 1' offsets each side  
Temp. Signals: Yes  
Alignment: North**

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

ADT: **100 per SIR**

NHS: **No**

Tier: **Regional**

Func. Class: **Major Collector- Rural**

Bridge Min. Clear Deck Width Recommended by Div.: **30' OTO with 2 bar metal rail (bike route)**

Roadway lane width **\_10\_'** with **\_4\_'** **paved** shoulders

Extension of Paved shoulders: **Project limits**

Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **No**

Min. Pavement Surface Course: **2.5** inches:

Existing Roadway: **19**

Pavement Marking: **Paint**

Pavement markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **II Modified**

Truck Percentage: **7 % per BIR – 5% Duals, 2% TTST**

Reasonable Safe Speed per SIR: **25** mph

Liquidated damages: will be imposed after **\_250\_** days of closure/construction. Amt: \$ **\_500\_** per day

CEI by? **NCDOT**

R/W by? **NCDOT**

R/W monuments? **Yes, Concrete**

Salvageable materials: **Guardrail**

Contact Person/number: **Randy Ramsey – 828-692-3209**

Deliver to: **693 Mountain Road, Hendersonville, NC, 28791**

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

Sequencing priority in construction? **Do at same time as 870073 concurrently**

Comments: **Provide weathered steel guardrail with wood posts. 2 bar anodized rail on bridge. Division requests 25' of new full depth pavement each side of approach slab. Maintain access to Forest Service Road at all times. Maintain a bus turnaround on Southeast quadrant.**

