

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

TIP: **B-6016** WBS: **48211.1.1** Field Scoping Meeting Date: **11/8/18**
Division: **13** Location: **On-site**
Route (US/NC/SR): **SR 2027** County: **Buncombe**
Project Description: **Structure 100142 over Martin Creek on SR 2027 (Martin's Creek Road)**
Tier: **Sub-Regional** Funding: **Federal**
Municipality: **N/A**

Attendees

	Name	Phone	E-mail
Division Bridge Manager	Chris Medlin	(828) 298-1128	cdmedlin@ncdot.gov
Division Engineering Specialist	Joel Davis	828-298-1128	jmdavis@ncdot.gov
Division Environmental Officer	Roger Bryan	(828) 251-6171 ext. 221	rdbryan@ncdot.gov
Hydraulics Engineer	Marc Shown	(919) 707-6751	mshown@ncdot.gov
Division Location & Surveys	Richard Hensley	828-667-9616	rhensley@ncdot.gov
Division Location & Surveys	Lee House	828-667-9616	jllhouse@ncdot.gov
PPU	Pam Williams	(919) 707-6608	prwilliams@ncdot.gov
PPU	Jess Earley	(919) 707-6606	jsearley@ncdot.gov
USFWS	Claire Ellwanger		claire_ellwanger@fws.gov
NCDWR	Kevin Barnett		Kevin.barnett@ncdwr.gov

Existing Features

Feature Bridged: **Bridge 100142 over Martin Creek on SR 2027**

Ex. Bridge Clear Deck Width: **24.33 Ft**

Roadway width: **18 Ft**

(Bridge / Culvert) Length: **21 Ft**

Deck Width (Out To Out): **25.333 Ft**

Water Depth: **1 Ft**

Height Bed-To-Crown: **6 Ft**

Year Built: **1971**

Posted: **SV 12**

TTST: **19**

Superstructure: **Timber Floor in I-Beam**

Abutment: **Yount Masonry**

Pier Type: **1@21'**

Temp. Shored:

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

PRI: **60.02**

DP: **11.39**

SR: **19.37**

School Bussing crossings per day: **Buses per day: 3, Trips per day: 6**

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

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? **N/A**

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

Are There EMS Or Business Access Issues? **N/A**

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

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

Overhead Utility Lines

In Conflict

Power Transmission Lines

In Conflict **Yes**

Telephone

In Conflict **Yes**

Cable Lines

In Conflict

Fiber Optic

In Conflict **Yes (attached to bridge)**

Water

In Conflict

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: **No**

Comments:

Endangered Species In County: **Bog Turtle, Carolina Northern Flying Squirrel, Gray Bat, Northern Long-Eared Bat, Spotfin Chub, Appalachian Elktoe, Rusty-Patched Bumble Bee, Spruce-Fir Moss Spider, Tan Riffleshell, Spreading Aven, Virginia Spiraea, Rock Gnome Lichen**

T&E species effect: **No effect**

Trout County: **Yes**

TVA County: **No**

CAMA County: **No**

Primary Nursery Area: **No**

Moratoria: **Yes**

Which species: **Rainbow & Brown Trout**

Duration: **October 15 – April 15**

Permits discussion: **Nationwide 3**

Water Quality Classification: **WS-II; Tr, HQW**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **French Broad**

Riparian Buffer Rules:

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**

Kwn Or Potential Historic Properties In The Area: **No**

Architecture: No Survey Required

Archaeology: Survey Required—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? **Church right before the bridge**

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 Kwn 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** (MOA)

State Stormwater Permit? **No**

Is There Unusual Scour Potential? **No**

Is Protection Needed? **Std**

Are Banks Stable? **Yes**

Is Protection Needed? **Std**

Appreciable Amount Of Large Debris? **No**

Placement Of Bents In The Water Be Allowed:

Where:

Structure Type: **Bridge**

If Bridge: **CS**

If girder; why?

Length Of Structure: **50ft**

Min. Number Of Spans: **1**

Span Arrangement: **1@50ft**

Waive offset: **Yes**

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

Skewed: **Yes**

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site ☐

Stage Construction ☒

New Alignment ☐

On-site ☐

Clear roadway width: 1-10ft lane
with 1ft offsets

Temp. Signals: No

Hold Upstream Side

Alignment: South Side

Alignment: N, E, W, S

Clear roadway width:
one lane w/ signals:

or two lanes CRW:

Alignment: N, E, W, S

Environmental Document Prepared by DEO:

CE (federal) ☒

Minimum Criteria Checklist (state) ☐

ADT: **200 per SIR**

NHS: **0**

Tier: **Sub-Regional**

Func. Class: **Local**

Bridge Min. Clear Deck Width Recommended by Div.: **27 Ft**

Roadway lane width: **10'** with **3'** 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: **24.5ft**

Pavement Marking: **Paint**

Pavement Markers: **None**

Will Railroad Involvement Be Required: **No**

Method of Clearing: **Type II Modified**

Truck Percentage: **6 % per BIR**

Reasonable Safe Speed per SIR: **45 mph (from
speed study)**

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? **Conc.**

Salvageable materials: **No**

Contact Person/number:

Deliver to:

Removal of previous structure remnant abutments/piers: **Remove All**

Sequencing priority in construction? **Priority along with 110145**

Comments: **Shop curve Type 3 Anchor Unit. A moratorium (for rainbow and brown trout) prohibiting in-stream work and land disturbance within the 25-foot trout buffer is recommended from October 15 to April 15 to protect the egg and fry stages of trout.**

