

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

WBS: **17BP.9.R.71** Bridge No.: **290078** Field Scoping Meeting Date: **October 26, 2016**
Division: **9** Location: **On-site**
Route (US/NC/SR): **SR 1338** County: **Davie**
Project Description: **Bridge No. 78 over Hunting Creek on SR 1338 (County Line Road)**
Tier: **Sub-Regional** Funding: **State**
Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Program Manager	Matt Jones	336-747-7800	mwjones@ncdot.gov
Division Environmental Officer	Amy Euliss	336-747-7800	aeuliss@ncdot.gov
Division Construction Engineer	Keith Raulston	336-747-7800	kraulston@ncdot.gov
Division Bridge Superintendent	Chuck White	704-630-3260	crwhite@ncdot.gov
Davie Bridge Maintenance	B. S. Cornatzer	704-630-3260	bscornatzer@ncdot.gov
PPU	Pam Williams	919-707-6608	prwilliams@ncdot.gov
PPU			
Hydraulics Engineer	Galen Cail	919-707-6711	gcail@ncdot.gov
Hydraulics Engineer	Chris Lewis	919-707-6714	crlewis2@ncdot.gov
USACE	John Thomas	919-554-4884 x25	John.t.thomas.jr@usace.army.mil
NCDEQ-DWR	Dave Wanucha	336-771-4951	dave.wanucha@ncdenr.gov
USFWS	Andrew Henderson	828-258-3939 x 227	Andrew_Henderson@fws.gov
NCWRC	Marla Chambers	704-984-1070	Marla.chambers@ncwildlife.org
Locations and Surveys	Mike Motsinger	336-969-0523	mmotsinger@ncdot.gov
Locations and Surveys	Ruth E. Brim	336-969-9550	rebrim@ncdot.gov

Existing Features

Feature Bridged: **290078 over Hunting Creek on SR 1338 (County Line Road)**

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

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

(Bridge / Culvert) Length: **(Ft.) 220**

Deck Width (Out To Out): **(Ft.) 26.4**

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

Height Bed-To-Crown **(Ft.) 28'**

Year Built: **1961**

Posted: SV: **35**

TTST: **38**

Superstructure: **REINFORCED
CONCRETE ON I-BEAMS**

Abutment: **Spill Through**

Pier Type: **RC POST & BEAM**

Temp. Shored:

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

PRI:

DP:

SR: 49.26

School Bus crossings per day: 2 buses, 3 trips per day

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

Detour

Off-Site ☒

Stage Construction ☐

New Alignment ☐

On-site ☐

If Off-Site, Description Of Detour Route: **SR 1306– US 64 –NC 901**

Approximate Length Of Detour?

6.67 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 response

Are There Any Railroad Crossings On Detour? No

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

Overhead Utility Lines

Conflict

Power Transmission Lines

Conflict

Yes

Telephone

Conflict

Cable Lines

Conflict

Fiber Optic

Conflict

Water

Conflict

Possibly

Sewer

Conflict

Natural Gas

Conflict

Other

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, north west quadrant

Comments:

Endangered Species In County: Northern long-eared bat; Michaux's sumac

T&E species effect: **Surveys should be conducted by DEO for Michaux's sumac May through October due to the project's proximity to known locations of the species**

Trout County: **NO**

TVA County: **NO**

CAMA County **NO:**

Primary Nursery Area: **NO**

Moratoria: No

Which species:

Duration:

Permits discussion: NW3

Water Quality Classification: **WS III**

303d: **No**

Coast Guard Permit? No

Drainage Basin: **Yadkin – Pee Dee**

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:	Native American SE on hill
VAD/Farmland Protection:	No	Game Lands:	Yes-Ducks Unlimited-NCWRC South-west

Known Or Potential Historic Properties In The Area: **Potential Adjacent Native American site**

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 Non-Marked Bicycle Route: Yes

1) Davie County CTP indicates on-road bike route along SR 1338 traversing this location. See Bicycle Map and see also p. II-13 of CTP. https://connect.ncdot.gov/projects/planning/TPBCTP/Davie%20County/Davie_BicycleMap.pdf

Contact: Piedmont Triad Regional Council (serves Northwest Piedmont RPO), Jesse Day, Senior Regional Planner (jday@ptrc.org or 336.904.0300); Davie County Planning Director, Andrew Meadwell (336) 753-6050

Comments: The southwest quadrant for construction or staging or placement of material will be allowed due to the presents of an archaeological site.

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

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

Possible Foundation Type:

End Bents: Interior Bents:

Hydraulics

FEMA Approval?

(MOA)

Structure No: 290078

Is There Unusual Scour Potential? Yes Is Protection Needed? No
Are Banks Stable? Yes Is Protection Needed? No
Appreciable Amount Of Large Debris? Heavy
Placement Of Bents In The Water Be Allowed: No Where:
Structure Type: **Bridge** If Bridge: **CS or BB** If girder; why?
Length Of Structure: 230' Min. Number Of Spans: 3 Span Arrangement: 70-90-70
Waive offset: No EB Cap: **2'-6" or 4'-0"** Skewed: No

Items To Be Discussed / Resolved At FSM By Attendees

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

Environmental Document Prepared by DEO:

Low Impact Data Spreadsheet ☒ Minimum Criteria Checklist ☐

ADT: **540 SIR** NHS: **No** Tier: Sub-Regional Func. Class: **Local, Rural**

Bridge Min. Clear Deck Width Recommended by Div.: 30 OTO with 2-bar rail.

Roadway lane width: 10 ' with 6 ' shoulders, including **4'** paved shoulders for bike accommodations

Extension of Paved shoulders: min. 100' either side of bridge for bike accommodations

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

Min. Pavement Surface Course: **2½"** Existing Roadway: 24' overall with +/- 9' lanes

Pavement Marking: **Thermoplastic/Paint/None** Pavement Markers: Raised/**Snowplowable/None**

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

Truck Percentage: **6%** Reasonable Safe Speed per SIR: 55 **mph**

Liquidated damages: will be imposed after 180 days of closure/construction. Amt: \$ 750 per day

CEI by? **NCDOT** R/W by? **DBT** R/W monuments? Conc.

Salvageable materials: None

Contact Person/number:

Deliver to:

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

Sequencing priority in construction?

Comments: **No sag on bridge.**

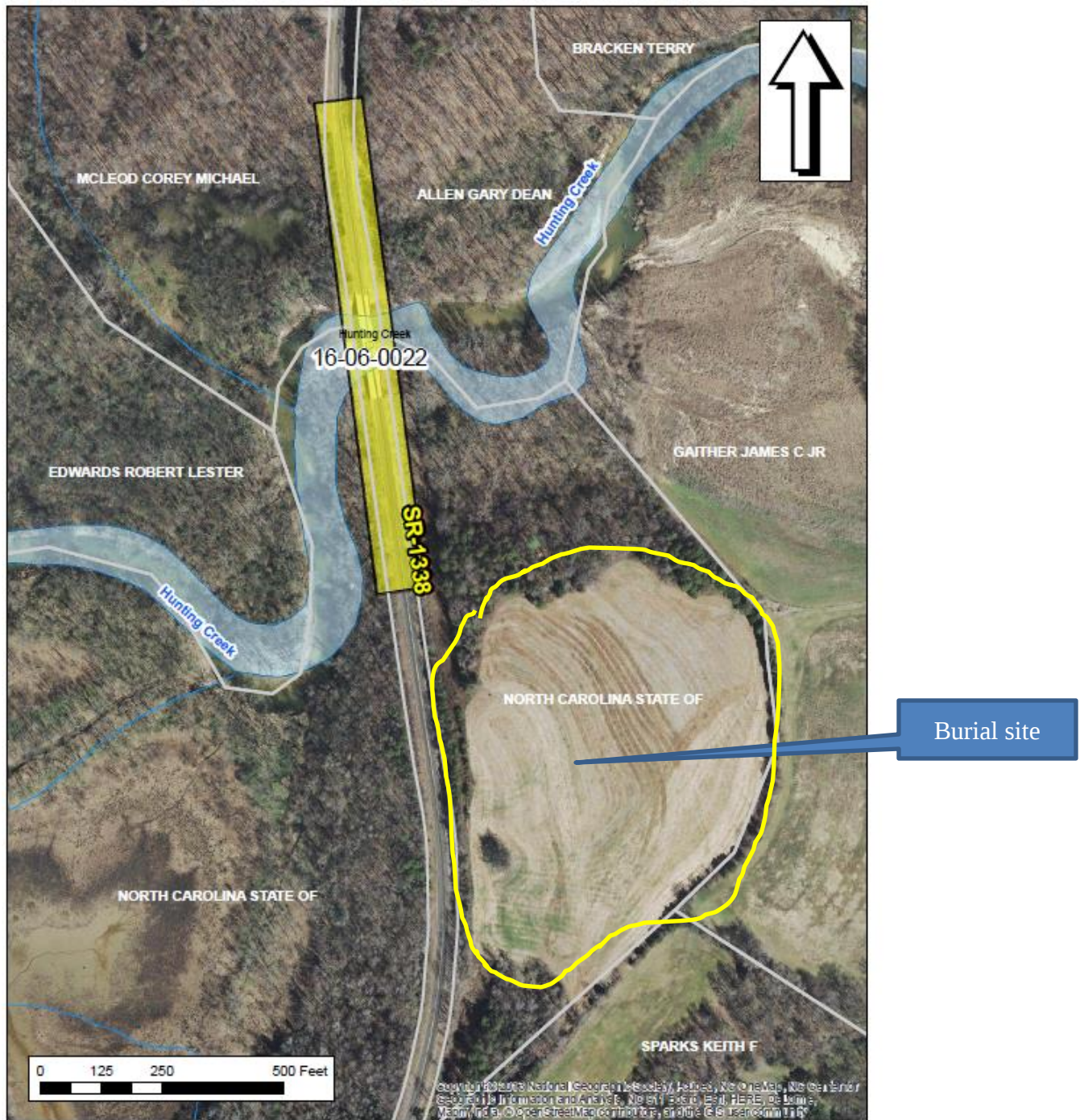


Figure 3. Recent aerial map of SR 1338 showing the current APE highlighted in yellow.

"ARCHAEOLOGICAL SURVEY REQUIRED" form for the Amended Minor Transportation Projects as Qualified in the 2015 Programmatic Agreement.