

09.08/2019

See Sheet 1A For Index of Sheets  
See Sheet 1B For Standard Symbology Sheet

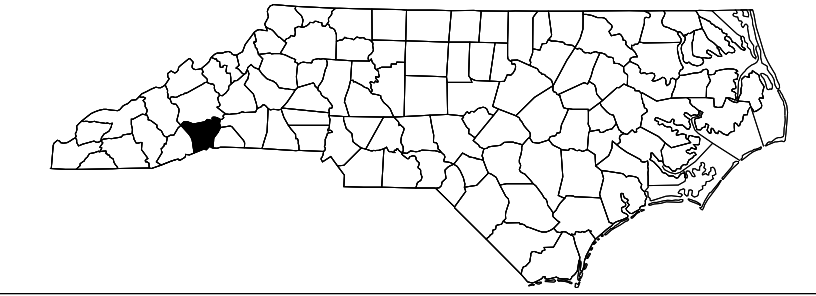
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## HENDERSON COUNTY

**LOCATION: SR 1783 (NORTH HIGHLAND LAKE ROAD) FROM NC225  
TO WEST OF US 176**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNALS,  
SIGNING, CULVERT, AND RETAINING WALLS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	<b>U-5887</b>	1	-
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44634.1.1	NA	PE	
44634.2.1	NA	RW UTIL.	
44634.3.1	NA	CONST.	

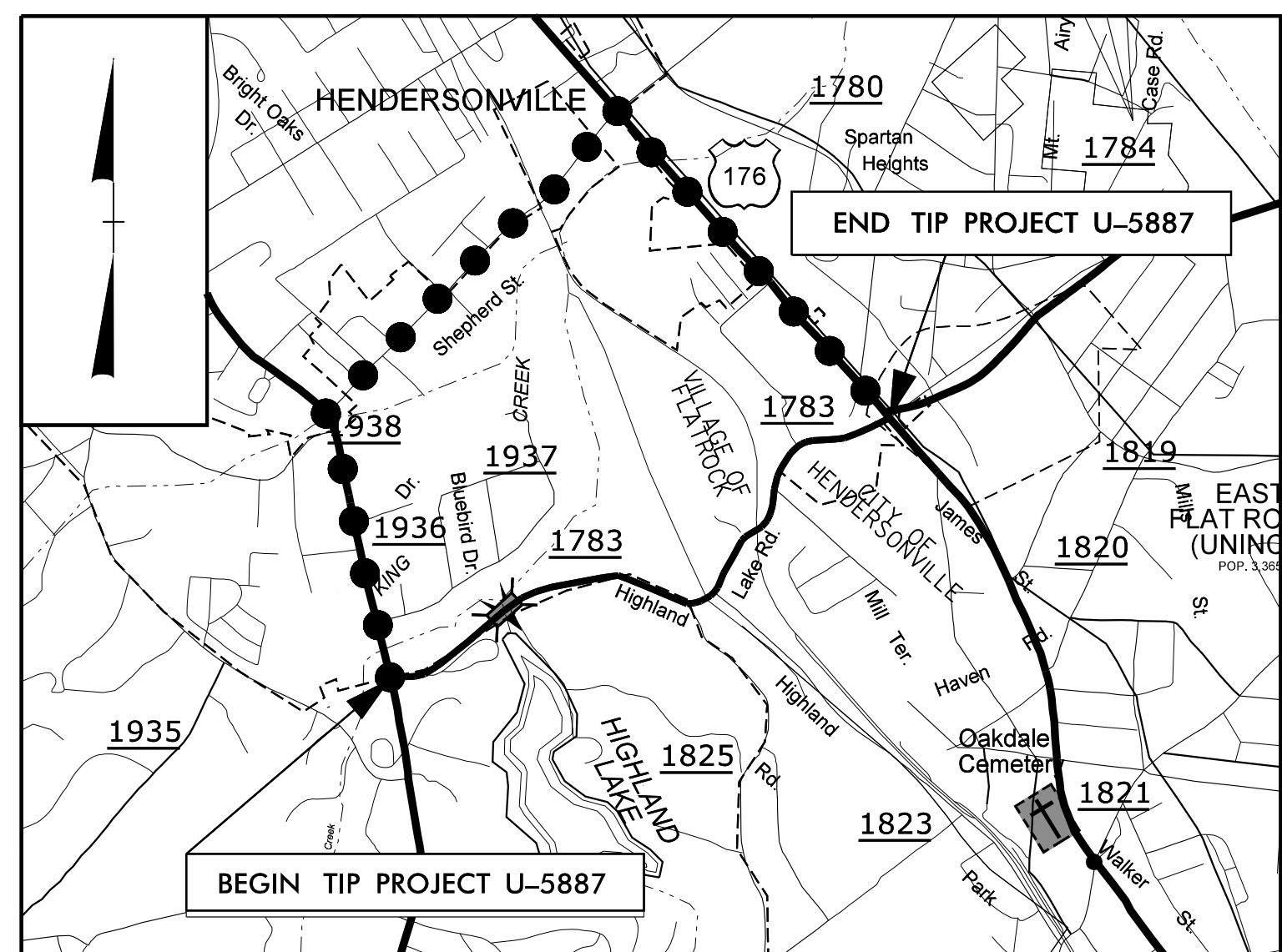


**V&M**  
Vaughn & Melton  
Consulting Engineers

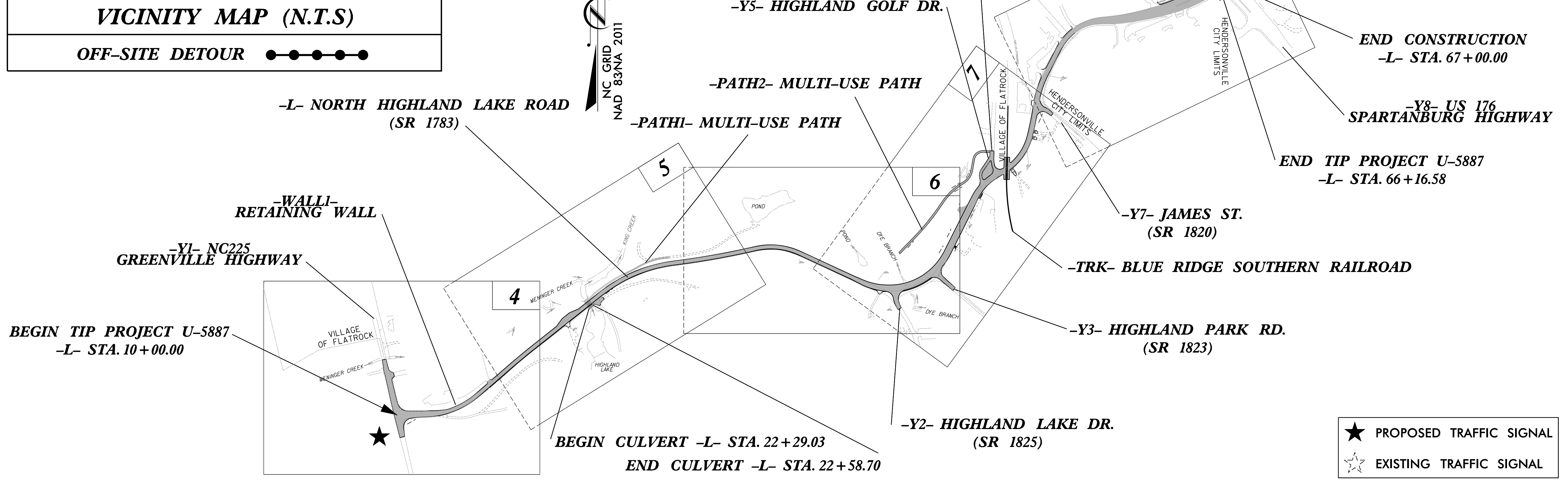
Asheville, North Carolina  
828-253-2796

Boone, NC 828-355-9933  
Tri-Cities, TN 423-467-8401  
Knoxville, TN 865-546-5800  
Spartanburg, SC 864-574-4775  
Charleston, SC 843-974-5650  
Middlesboro, KY 606-248-6600  
Raleigh, NC 919-977-9455  
Charlotte, NC 704-357-0488  
Atlanta, GA 770-627-3590

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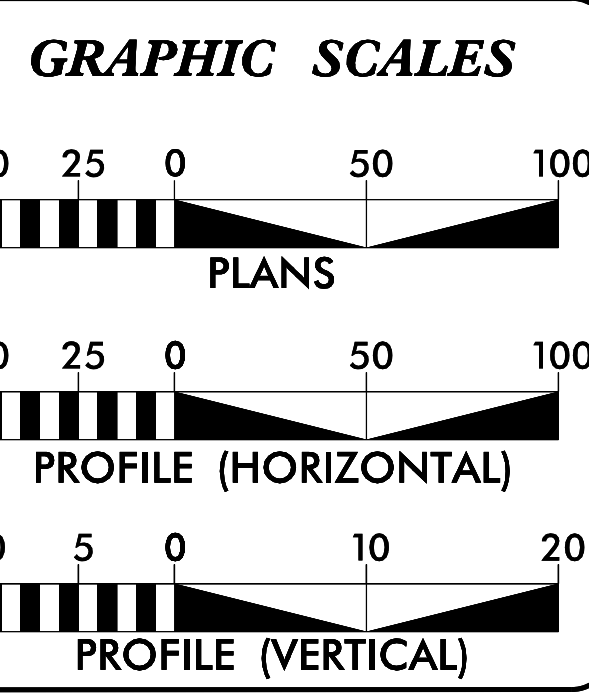
**VICINITY MAP (N.T.S)**  
OFF-SITE DETOUR



Design exceptions on this project for horizontal and vertical curves.

★ PROPOSED TRAFFIC SIGNAL  
☆ EXISTING TRAFFIC SIGNAL

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



**DESIGN DATA**

ADT 2010 = 6700  
ADT 2040 = 7200

T = 5 % \*  
V = 35 MPH  
\* TTST = 2% DUAL 3%  
K = 9 %  
D = 55 %  
FUNC CLASS =  
MAJOR COLLECTOR

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT U-5887 = 1.058 MILES  
LENGTH CULVERT TIP PROJECT U-5887 = 0.006 MILES  
TOTAL LENGTH OF TIP PROJECT U-5887 = 1.064 MILES

Prepared In the Office of:  
**VAUGHN & MELTON, INC.**  
1318-F PATTON AVENUE ASHEVILLE, NC 28806 PHONE (828)253-2796

2018 STANDARD SPECIFICATIONS  
REECE M. SCHULER, P.E., P.L.S.  
PROJECT ENGINEER

RIGHT OF WAY DATE:  
JUNE 30, 2019

LETTING DATE:  
MAY 18, 2021

JARED PHILPOT, E.I.  
PROJECT DESIGN ENGINEER

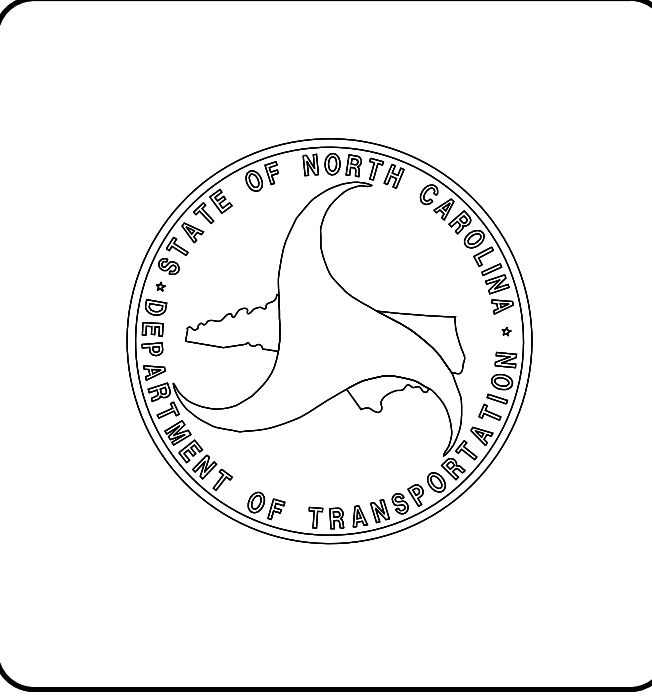
BARRY MOSTELLER  
PROJECT TEAM LEAD

**HYDRAULICS ENGINEER**

DocuSigned by:  
[Signature]  
SIGNATURE: P.E. 4/21/2021

**ROADWAY DESIGN ENGINEER**

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Reece M. Schuler  
SIGNATURE: P.E. 4/21/2021



**TIP PROJECT: U-5887**

**CONTRACT: C204631**

3/11/2021 3:34:57 AM  
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User:cmjmarrell