

Bridge and Approach Investigation Checklist

Project 17BP.11.R.104
Description Bridge # 317
Route SR 1745
Division 11
County Wilkes

Existing Speed Limit 55 MPH
Reasonable & Comfortable Passenger Car Speed 20 MPH
Speed Data NA
Ball Bank Speed Study 12- 15 degrees at 25mph
Warning Signs at Bridge One Lane Bridge, Bridge End Delineators
Roadside Development 20%
ADT History 2009-350vpd, 2011-380vpd, 2013-370vpd
Pedestrian/Bicycle Traffic unknown
Bridge and Approach Digital Photos see attached
Approach Lane Width 15 FEET Single Lane
Approach Shoulder Width: 6 to 8 FEET
Shoulder Type grass
Lane Width (existing bridge) 15 FEET Single Lane
Shoulder width (existing bridge) 2 FEET
Strategic Corridor / Thoroughfare Designation and Recommended Cross Section
Crash History and Safety Considerations No crashes in recent 10 year study

Comments

Reasonable Bridge Speed 25 mph MPH



Investigated by: J. A. Hamrick, P. E.

Date: 7/17/2014

Reviewed by:

**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report**

Study Criteria Summary

County: WILKES **City:** All and Rural
Date: 5/1/2004 to 4/30/2014 **Study:** BRIDGE317ONSR1745
Location: Bridge number 317 on SR 1745 (Shumate Mountain Rd). 500 feet from each end.

Report Details

Study Criteria

Study Name	Log No.	PH No.	TIP No.	K/A Cf.	B/C Cf.	ADT	ADT Route
BRIDGE317ONSR1745			17BP11R104	76.8	8.4	400	

Request Date	Courier Service	Phone No.	Ext.	Fax No.

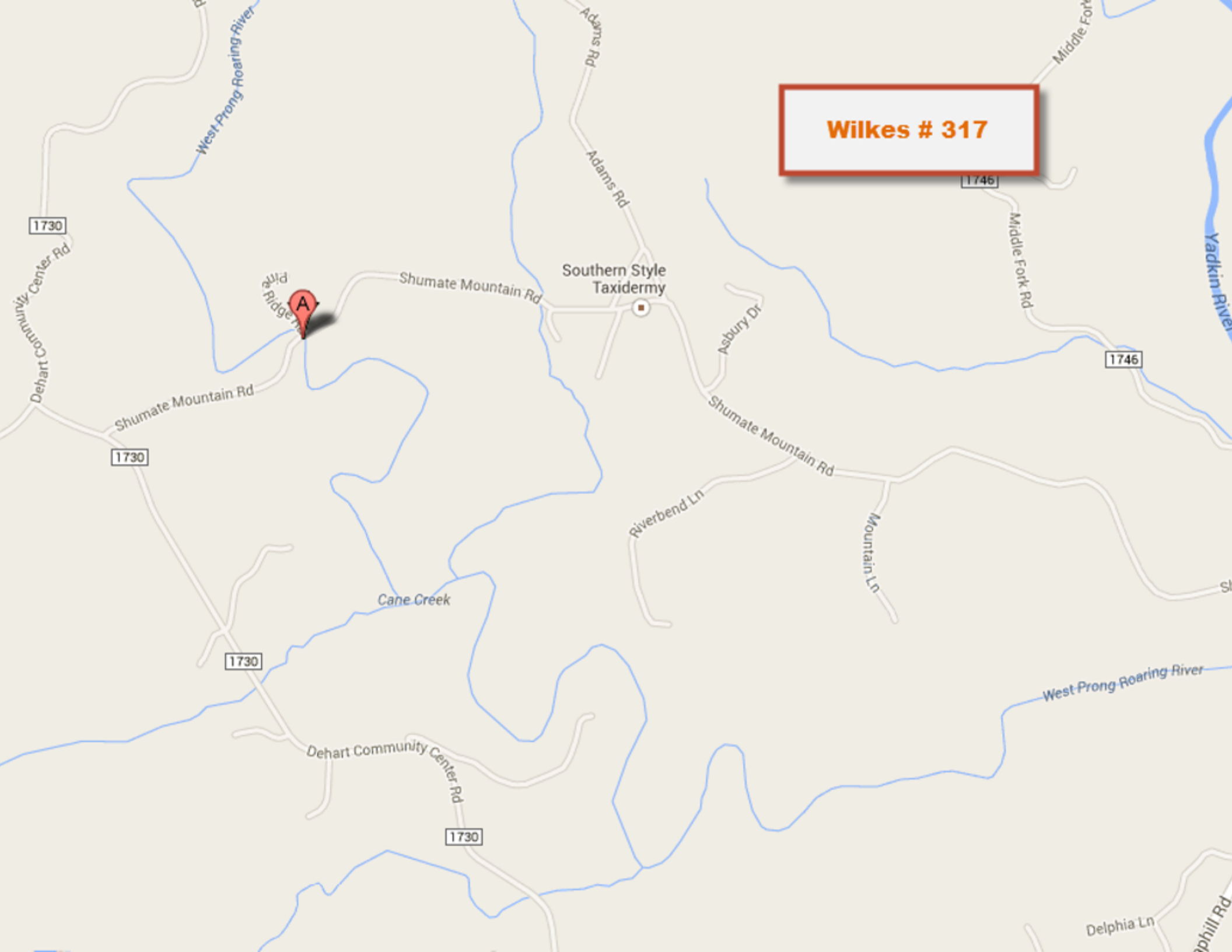
County			Municipality						
Name	Code	Div.	Name	Code	Y-Line Ft.	Begin Date	End Date	Years	
WILKES	96	11	All and Rural		0	5/1/2004	4/30/2014	10.00	

Location Text	Requestor
Bridge number 317 on SR 1745 (Shumate Mountain Rd). 500 feet from each end.	Jimmy Hamrick, PE High Country and Foothills Safety Region

Fiche Roads	
Name	Code
SR 1745	40001745
SHUMATE	50040531

Strip Road					
Name	Code	Begin MP	End MP	Miles	Kilometers
SR 1745	40001745	0.289	0.494	0.205	0.330

Wilkes # 317



Bridge # 317 Wilkes Co.





WB SR 1745



WB SR 1745



EB SR 1745



EB SR 1745



EB SR 1745