

Bridge and Approach Investigation Checklist

Project 17BP.11.R.109
Description Bridge # 149
Route SR 1351
Division Eleven
County Watauga

Existing Speed Limit 55 MPH
Reasonable & Comfortable Passenger Car Speed _____ MPH
Speed Data _____
Ball Bank Speed Study BB 15 degrees at 25mph
Warning Signs at Bridge _____
Roadside Development 20%
ADT History unknown
Pedestrian/Bicycle Traffic unknown
Bridge and Approach Digital Photos See attached
Approach Lane Width 7 to 8 FEET
Approach Shoulder Width: 2 to 6 FEET
Shoulder Type grass
Lane Width (existing bridge) 7 FEET
Shoulder width (existing bridge) 1 FEET
Strategic Corridor / Thoroughfare Designation and Recommended Cross Section _____
Crash History and Safety Considerations None

Comments _____

Reasonable Bridge Speed 40 MPH

Investigated by: J. A. Hamrick, P. E.
Date: 8/4/2014

Reviewed by: _____



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

Study Criteria Summary

County: WATAUGA **City:** All and Rural
Date: 5/1/2009 to 4/30/2014 **Study:** 41000029686
Location: 500 feet on Both Sides of Bridge Number 149 on Secondary Route 1351 (Castle Ford Road) over Grassy Creek

Report Details

Study Criteria

Study Name	Log No.	PH No.	TIP No.	K/A Cf.	B/C Cf.	ADT	ADT Route
41000029686	41000029686			76.8	8.4	250	40001351

Request Date	Courier Service	Phone No.	Ext.	Fax No.
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County			Municipality						
Name	Code	Div.	Name	Code	Y-Line Ft.	Begin Date	End Date	Years	
WATAUGA	94	11	All and Rural		0	5/1/2009	4/30/2014	5.00	

Location Text	Requestor
500 feet on Both Sides of Bridge Number 149 on Secondary Route 1351 (Castle Ford Road) over Grassy Creek	Jimmy Hamrick, PE NCDOT High Country and Foothills Region

Fiche Roads	
Name	Code
SR 1351	40001351
CASTLE FORD	50005304

Strip Road					
Name	Code	Begin MP	End MP	Miles	Kilometers
SR 1351	40001351	4.128	4.322	0.194	0.312

Bridge # 149
Watauga Co.



1.4.9.













