

Bridge and Approach Investigation Checklist

Project 17BP.11.R.95
Description Bridge # 46
Route SR 1351
Division Eleven
County Watauga

Existing Speed Limit 55 MPH

Reasonable & Comfortable
Passenger Car Speed 30-35 MPH

Speed Data

Ball Bank Speed Study BB 14 degrees at 35mph

Warning Signs at Bridge Narrow Bridge, Bridge End Delineators

Roadside Development 10%

ADT History unknown

Pedestrian/Bicycle Traffic Unknown

Bridge and Approach
Digital Photos See Attached

Approach Lane Width 9 FEET

Approach Shoulder Width: 4 to 6 FEET
Shoulder Type grass

Lane Width (existing bridge) 7.5 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: 5/1/2004 **to** 4/30/2014 **Study:** 41000029651
Location: 500 feet on Both Sides of Bridge Number 46 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
41000029651	41000029651			76.8	8.4	250	40001351

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

County			Municipality					
Name	Code	Div.	Name	Code	Y-Line Ft.	Begin Date	End Date	Years
WATAUGA	94	11	All and Rural		0	5/1/2004	4/30/2014	10.00

Location Text	Requestor
500 feet on Both Sides of Bridge Number 46 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	2.530	2.724	0.194	0.312

Bridge # 46

Watauga

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-2.4



SB SR 1351



SB SR 1351



SB SR 1351



NB SR 1351



NB SR 1351



NB SR 1351

