

Spot Safety Project Evaluation

Project Information

Order ID: 41000027396

Project ID: 06-07-209

Location: US 701 in the vicinity of SR 1142 (Campbell Rd)

County: Bladen

City: North of Clarkton

Division: 6

Signal ID: N/A

Countermeasure: Guardrail Installation – both approaches of culvert

Project Completion: September 22, 2008 Project Cost: \$40,000

Map and Aerial (from Google Maps)



Naïve Before and After Analysis

Before Period: October 1, 2003 through August 31, 2008 (4 years, 11 months)

Const. Period: September 1, 2008 through November 30, 2008

After Period: December 1, 2008 through October 31, 2013 (4 years, 11 months)

Analysis Criteria: Treatment data consisted of all crashes in the milepost range from MP 3.90 to MP 4.30 on US 701.

Target Crashes: Please note that Lane Departure Crashes were the target crashes for the applied countermeasure.

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	2	3	+ 50.0 %
Total Severity Index	38.9	1.00	- 97.4 %
Target Crashes	2	0	- 100.0 %
Target Crash Severity Index	38.9	0	- 100.0 %
Volume (2005, 2011)	4,700	4,300	- 8.5 %

<u>Injury Crash Summary</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Fatal injury Crashes	1	0	- 100.0 %
Class A injury Crashes	0	0	N/A
Class B injury Crashes	0	0	N/A
Class C Injury Crashes	0	0	N/A
Property Damage Only	1	3	+ 200.0 %

Overall Summary Results

Total Crashes:	+ 50 %	(increase)
Total Crash Severity:	- 97 %	(reduction)
Target Crashes:	- 100 %	(reduction)
Target Crash Severity:	- 100 %	(reduction)
Volume:	- 9 %	(reduction)

Items for Discussion/Concerns

None.

Data Prepared For

The Traffic Safety Unit *of the*
Transportation Mobility and Safety Division *of the*
Division of Highways *of the*
North Carolina Department of Transportation

Data Prepared By

Principal Investigator: Justin Green, EI
Work Group/Consultant: NCDOT - Safety Evaluation Group
Date: January 9, 2014

SS# 06-07-209
 Order# 41000027396
 Bladen County
 BEFORE Period
 10/1/2003 - 8/31/2008

Begin
 Study
 MP 3.90



Culvert
 Location

US 701
 ADT (2006)
 4,700

End
 Study
 MP 4.30

LEGEND

Lane Departure
 Target Crashes

N.C. DEPARTMENT of TRANSPORTATION
DIVISION of HIGHWAYS
TRANSPORTATION MOBILITY and SAFETY DIVISION

TRAFFIC SAFETY UNIT

Date: January 2014 Prepared By: J. Green

SS# 06-07-209
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 AFTER Period
 12/1/2008 - 10/31/2013

Begin
 Study
 MP 3.90



Culvert
 Location

Guardrail
 Installed

US 701
 ADT (2011)
 4,300

End
 Study
 MP 4.30

LEGEND			

Lane Departure
 Target Crashes

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