

Spot Safety Project Evaluation

Project Information

Order ID: 41000027218

Project ID: 01-07-204

Location: NC 11-42 in the vicinity of Bridge #070024

County: Bertie

City: North of Lewiston

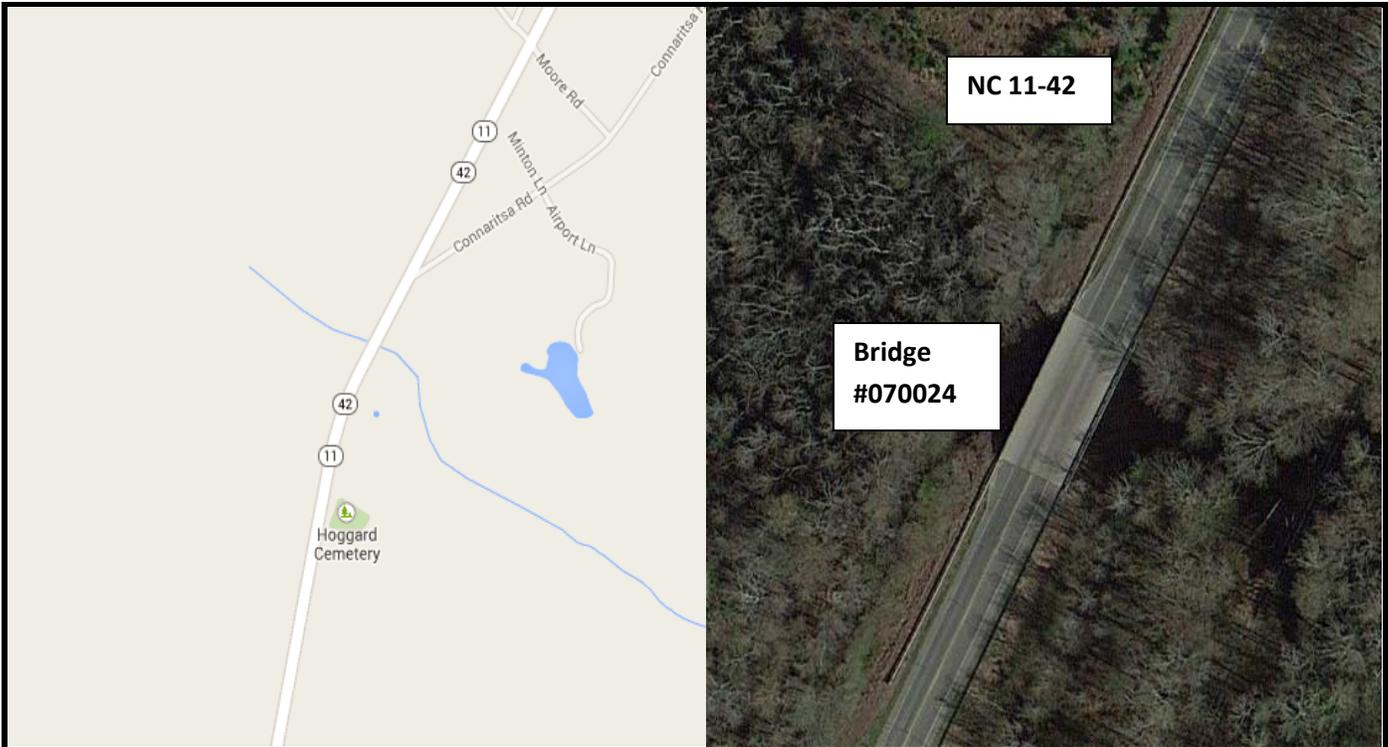
Division: 1

Signal ID: N/A

Countermeasure: Guardrail Installation – upgrade guardrail at bridge approach

Project Completion: September 24, 2008 Project Cost: \$36,500

Map and Aerial (from Google Maps)



Naïve Before and After Analysis

Before Period: June 1, 2003 through June 30, 2008 (5 years, 1 month)

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

After Period: October 1, 2008 through October 31, 2013 (5 years, 1 month)

Analysis Criteria: Treatment data consisted of all crashes in the milepost range from MP 9.352 to MP 9.752 on NC 11-42.

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	3	0	- 100.0 %
Total Severity Index	28.73	0	- 100.0 %
Target Crashes	3	0	- 100.0 %
Target Crash Severity Index	28.73	0	- 100.0 %
Volume (2005, 2011)	5,400	5,700	+ 5.6 %

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

Overall Summary Results

Total Crashes:	- 100 %	(reduction)
Total Crash Severity:	- 100 %	(reduction)
Target Crashes:	- 100 %	(reduction)
Target Crash Severity:	- 100 %	(reduction)
Volume:	+ 6 %	(increase)

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 6, 2014

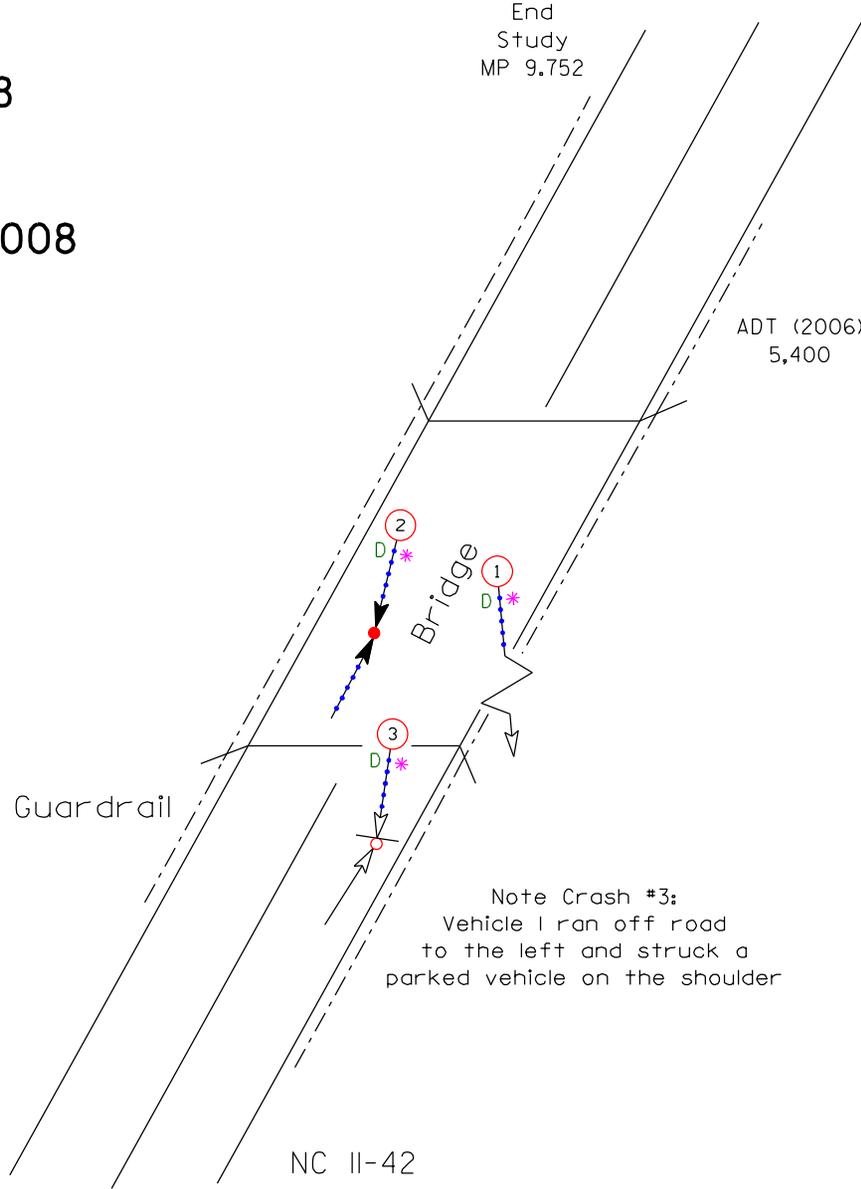
SS# 01-07-204
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 Bertie County
 BEFORE Period
 6/1/2003 - 6/30/2008

End
 Study
 MP 9.752



LEGEND			

ADT (2006)
 5,400



Begin
 Study
 MP 9.352

NC 11-42

Note Crash #3:
 Vehicle 1 ran off road
 to the left and struck a
 parked vehicle on the shoulder

Lane Departure
 Target Crashes

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

TRAFFIC SAFETY UNIT

Date: December 2013

Prepared By: J. Green

SS# 01-07-204
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 Bertie County
 AFTER Period
 10/1/2008 - 10/31/2013

End
 Study
 MP 9.752



LEGEND

ADT (2011)
 5,700

Bridge

Upgraded
 Guardrail

Begin
 Study
 MP 9.352

NC 11-42

Lane Departure
 Target Crashes

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