Spot Safety Project Evaluation

Project Information

Order ID:	41000027246
Project ID:	08-06-213
Location:	SR 1121 (New Hope Church Rd) in the vicinity of Bridge #750306
County:	Randolph
City:	South of Asheboro
Division:	8
Signal ID:	N/A
Countermeasure:	Guardrail Installation on approach and trailing ends of Bridge #750306
Project Completion:	February 27, 2008
Project Cost:	$28,500

Map and Aerial (from Google Maps)

Naïve Before and After Analysis

Before Period: June 1, 2002 through December 31, 2007 (5 years, 7 months)

Const. Period: January 1, 2008 through March 31, 2008

After Period: April 1, 2008 through October 31, 2013 (5 years, 7 months)

Analysis Criteria: Treatment data consisted of all crashes in the milepost range from MP 3.843 to MP 4.243 on SR 1121.

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

Treatment Information	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	2	0	- 100.0 %
Total Severity Index	42.60	0	- 100.0 %
Target Crashes	2	0	- 100.0 %
Target Crash Severity Index	42.60	0	- 100.0 %
Volume (2005, 2011)	260	370	+42.0 %

Injury Crash Summary	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	1	0	- 100.0 %
Property Damage Only	0	0	N/A

Overall Summary Results

Total Crashes:	- 100 %	(reduction)
Total Crash Severity:	- 100 %	(reduction)
Target Crashes:	- 100 %	(reduction)
Target Crash Severity:	- 100 %	(reduction)
Volume:	+ 42 %	(increase)

Items for Discussion/Concerns

None.

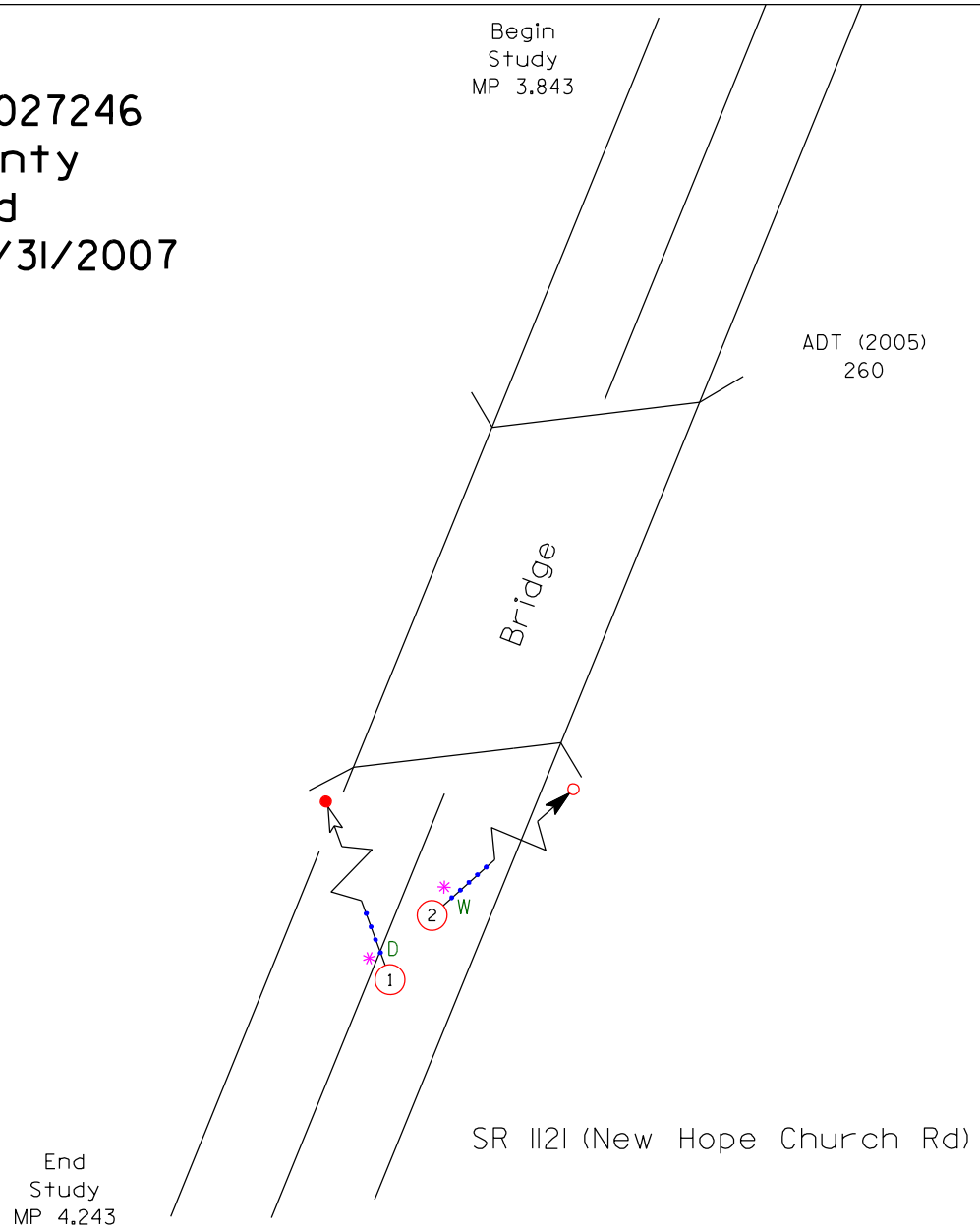
Data Prepared For

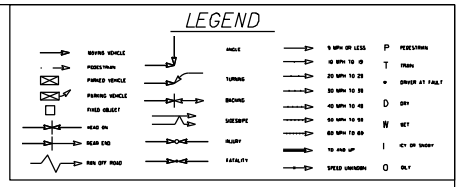
The Traffic Safety Unit *of the*
Transportation Mobility and Safety Division *of the*
Division of Highways *of the*
North Carolina Department of Transportation

Data Prepared By

Principal Investigator:	Justin Green, EI
Work Group/Consultant:	NCDOT - Safety Evaluation Group
Date:	January 6, 2014

SS# 08-06-213
Order# 41000027246
Randolph County
BEFORE Period
6/1/2002 - 12/31/2007





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Lane Departure Target Crashes

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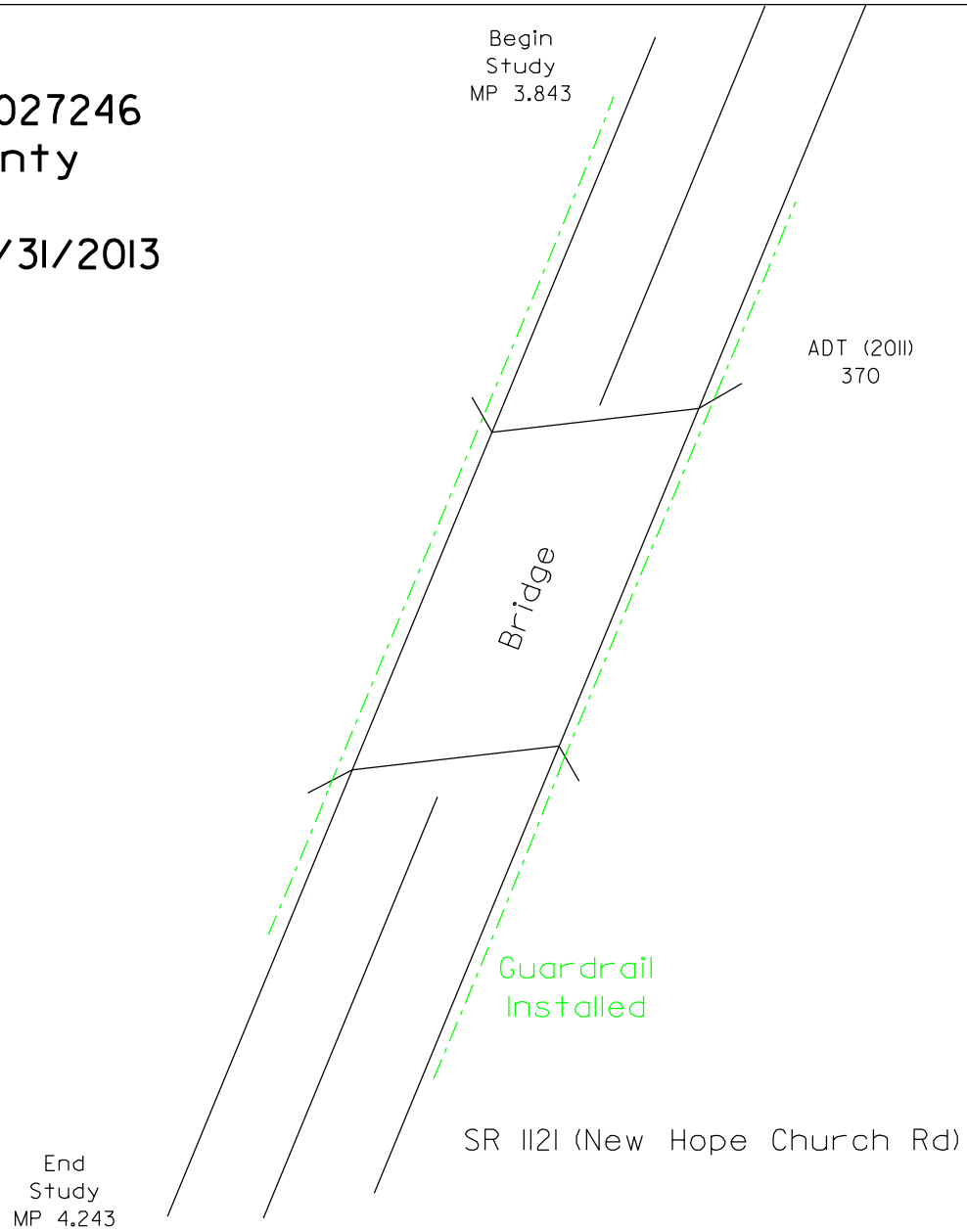
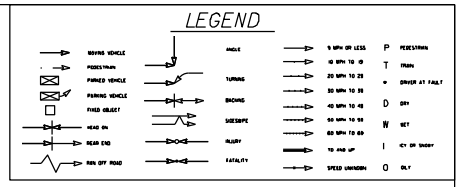
DIVISION of HIGHWAYS
TRANSPORTATION MOBILITY and SAFETY DIVISION

TRAFFIC SAFETY UNIT

Date: December 2013 | *Prepared By: J. Green*

SS# 08-06-213
Order# 41000027246
Randolph County
AFTER Period
4/1/2008 - 10/31/2013





Lane Departure Target Crashes

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