

Spot Safety Project Evaluation

Project Information

Order ID: 41000028645
Project ID: 14-05-206
Location: SR 1127 (Crab Creek/Kanuga) at SR 1123 (Little River Rd)
County: Henderson
Division: 14
Countermeasure: Minor widening and the installation of a center concrete island on SR 1123
Project Completion: July 29, 2008 Project Cost: \$30,000

Map and Aerial (from Google Maps – Coordinates 35.271369, -82.500935)



Naive Before and After Analysis

Before Period: January 1, 2003 through June 30, 2008 (5.5 years)

Const. Period: July 1, 2008 through August 31, 2008

After Period: September 1, 2008 through February 28, 2014 (5.5 years)

Analysis Criteria: Treatment data consisted of all crashes within 150 feet of the intersection of SR 1127 and SR 1123

Target Crashes: Target Crashes are left turn-same roadway crashes

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	9	1	-88.9
Total Severity Index	12.71	8.4	-33.9
Target Crashes	4	0	-100.0
Target Crash Severity Index	23.65	n/a	n/a
Volume (2005, 2011)	5,600	4,700	-16.1

<u>Target Crash Injury 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	2	0	-100.0
Property Damage Only	1	0	-100.0

Overall Summary Results

Total Crashes:	-89 %	(reduction)
Total Crash Severity:	-34 %	(reduction)
Target Crashes:	-100 %	(reduction)
Target Crash Severity:	n/a	
Volume:	-16 %	(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: Brad Robinson, PE
Work Group/Consultant: NCDOT - Safety Evaluation Group
Date: April 15, 2014

SS# 14-05-206
 Order# 41000028645
 Henderson County
 BEFORE Period
 1/1/03-6/30/08

White Squirrel Ln

**SR 1127
 (Kanuga Rd)**

**ADT (YEAR)
 5,200 (2005)**

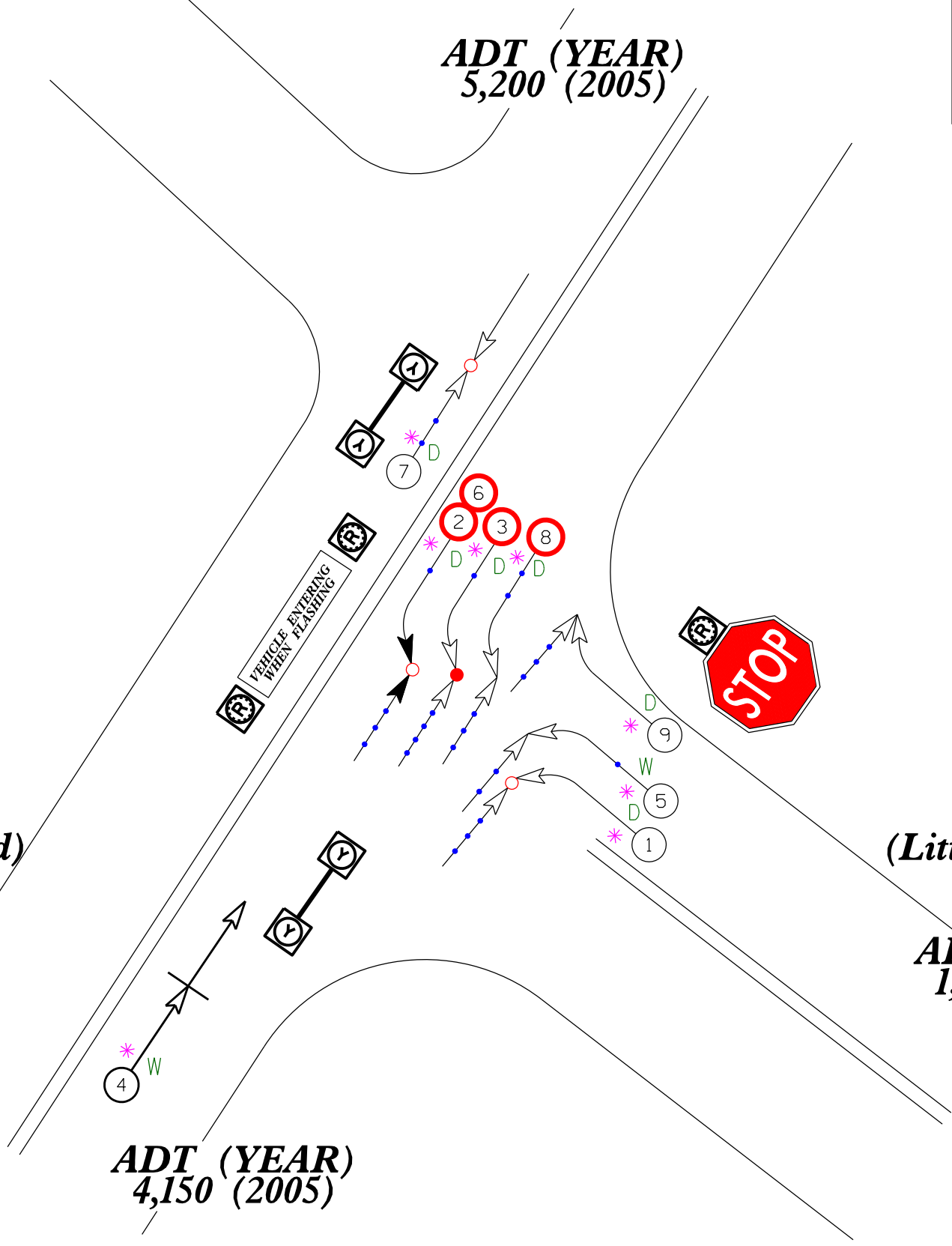
**SR 1127
 (Crab Creek Rd)**

**ADT (YEAR)
 4,150 (2005)**

**SR 1123
 (Little River Rd)**

**ADT (YEAR)
 1,800 (2005)**

LEGEND			
	MOVING VEHICLE		ANGLE
	PARKED VEHICLE		TURNING
	PARKING VEHICLE		BACKING
	MOVABLE OBJECT		SIDESWIPE
	HEAD ON		INJURY
	REAR END		FATALITY
	RAN OFF ROAD		9 MPH OR LESS
	DAYLIGHT CRASH		10 MPH TO 19
	NIGHT CRASH		20 MPH TO 29
			30 MPH TO 39
			40 MPH TO 49
			50 MPH TO 59
			60 MPH TO 69
			70 AND UP
			A ANIMAL
			P PEDESTRIAN
			B BICYCLE
			T TRAIN
			* DRIVER AT FAULT
			D DRY
			W WET
			I ICY OR SNOWY
			O Other



Target Crashes

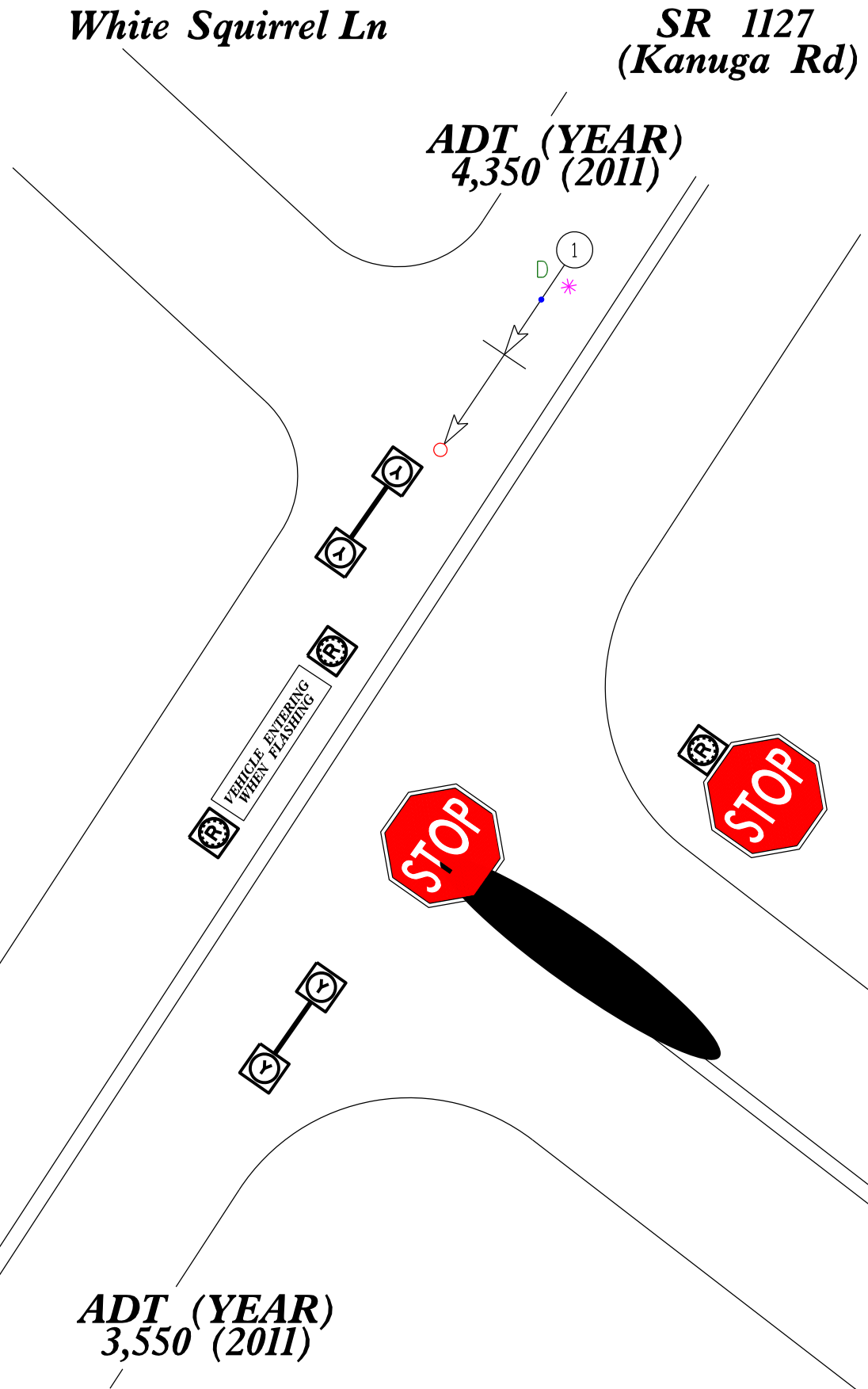
**N.C. DEPARTMENT of TRANSPORTATION
 DIVISION of HIGHWAYS
 TRANSPORTATION MOBILITY and
 SAFETY DIVISION**

TRAFFIC SAFETY UNIT

Date: April 2014

Prepared By: BDR

SS# 14-05-206
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 AFTER Period
 9/1/08-2/28/14



LEGEND

	MOVING VEHICLE		ANGLE		9 MPH OR LESS		A ANIMAL
	PARKED VEHICLE		TURNING		10 MPH TO 19		P PEDESTRIAN
	PARKING VEHICLE		TURNING		20 MPH TO 29		B BICYCLE
	MOVABLE OBJECT		BACKING		30 MPH TO 39		T TRAIN
	HEAD ON		SIDESWIPE		40 MPH TO 49		* DRIVER AT FAULT
	REAR END		INJURY		50 MPH TO 59		D DRY
	RAN OFF ROAD		FATALITY		60 MPH TO 69		W WET
	DAYLIGHT CRASH		SPEED UNKNOWN		70 AND UP		I ICY OR SNOWY
	NIGHT CRASH						O Other

Target Crashes

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