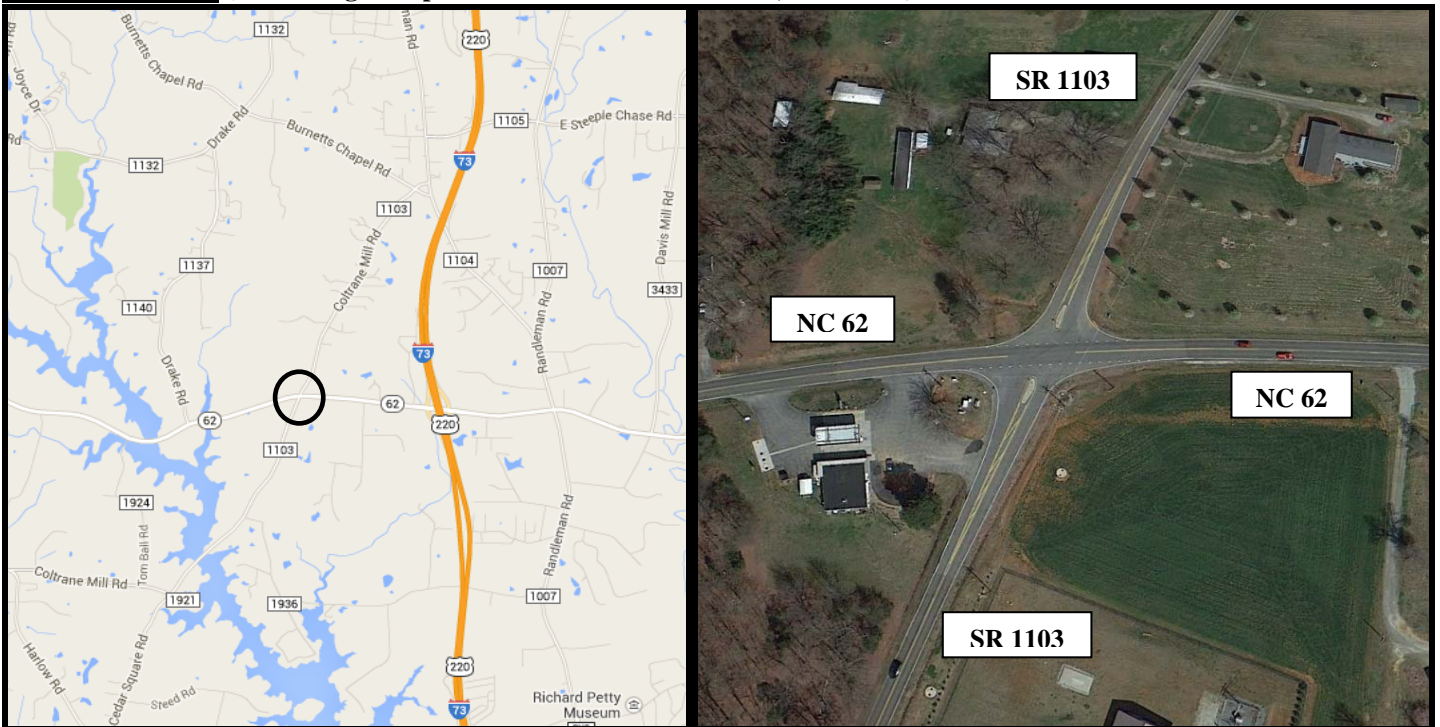


Spot Safety Project Evaluation

Project Information

Order ID: 41000028043
Project ID: 07-04-208
Location: NC 62 and SR 1103 (Coltrane Mill Road)
County: Guilford
City: Greensboro
Division: 7
Signal ID: N/A
Countermeasure: Install center islands with stop signs on SR 1103.
Project Completion: January 06, 2009. Project Cost: \$65,000.00

Map and Aerial (from Google Maps – Coordinates are 35.924019,-79.843354)



Naive Before and After Analysis

Before Period: September 1, 2003 through October 31, 2008 (5 years, 2 months)

Const. Period: November 1, 2008 through January 31, 2009 (3 months)

After Period: February 1, 2009 through March 31, 2014 (5 years, 2 months)

Analysis Criteria: Treatment data consisted of all crashes within 150 feet of the subject intersection for the NC 62 and SR 1103 approaches.

Target Crashes: Frontal impact crashes between a vehicle entering from SR 1103 and a vehicle on NC 62.

<u>Treatment Information</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Total Crashes	4	3	-25.0%
Total Severity Index	25.50	3.47	-86.4%
Target Crashes	2	2	0.0%
Target Crash Severity Index	42.60	4.70	-89.0%
Volume (2006, 2010)	6,100	5,600	-8.2%

<u>Injury Crash Summary</u>	Before	After	Percent Reduction (-) Percent Increase (+)
Fatal injury Crashes	1	0	-100.0%
Class A injury Crashes	0	0	0.0%
Class B injury Crashes	1.0	1.0	0.0%
Class C Injury Crashes	2.0	0.0	-100.0%
Property Damage Only	0.0	2.0	100.0%

Overall Summary Results

Total Crashes: -25.0 % (reduction)

Total Crash Severity: -86.4% (reduction)

Target Crashes: 0.0 % (no change)

Target Crash Severity: -89.0 % (reduction)

Volume: -8.2 % (reduction)

Items for Discussion/Concerns

The installation of center islands with stop signs resulted in a reduction of total crashes in the before and after periods. The target crashes remained the same in the before and after periods. Also, the severity of both total crashes and target crashes experienced a reduction of over 85% between the before and after periods.

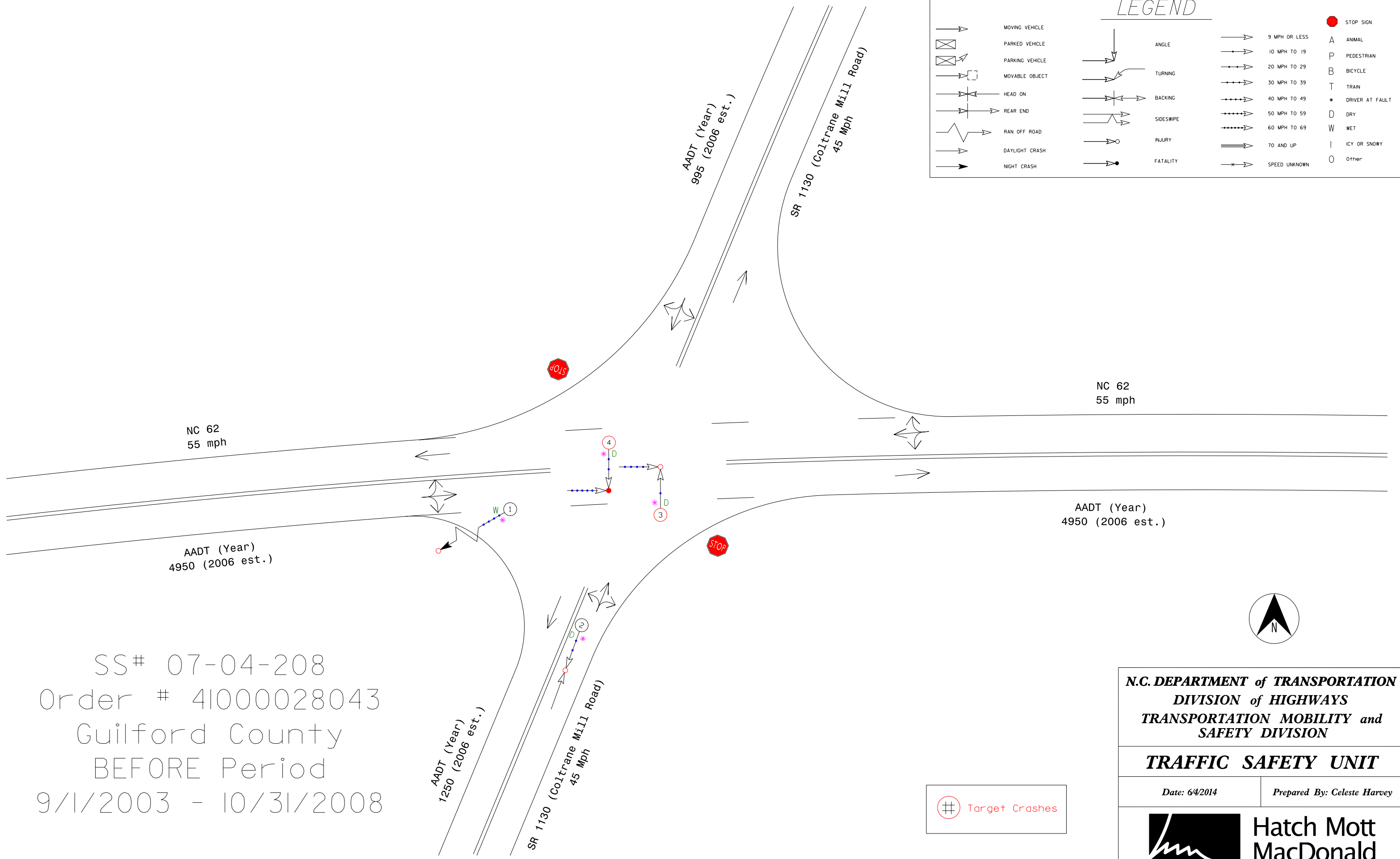
Data Prepared For

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: Celeste Harvey
Work Group/Consultant: Hatch Mott MacDonald
Date: June 6, 2014

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
			SPEED UNKNOWN
			STOP SIGN
			A ANIMAL
			P PEDESTRIAN
			B BICYCLE
			T TRAIN
			* DRIVER AT FAULT
			D DRY
			W WET
			I ICY OR SNOWY
			O Other



SS# 07-04-208
 Order # 41000028043
 Guilford County
 BEFORE Period
 9/1/2003 - 10/31/2008

Target Crashes

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

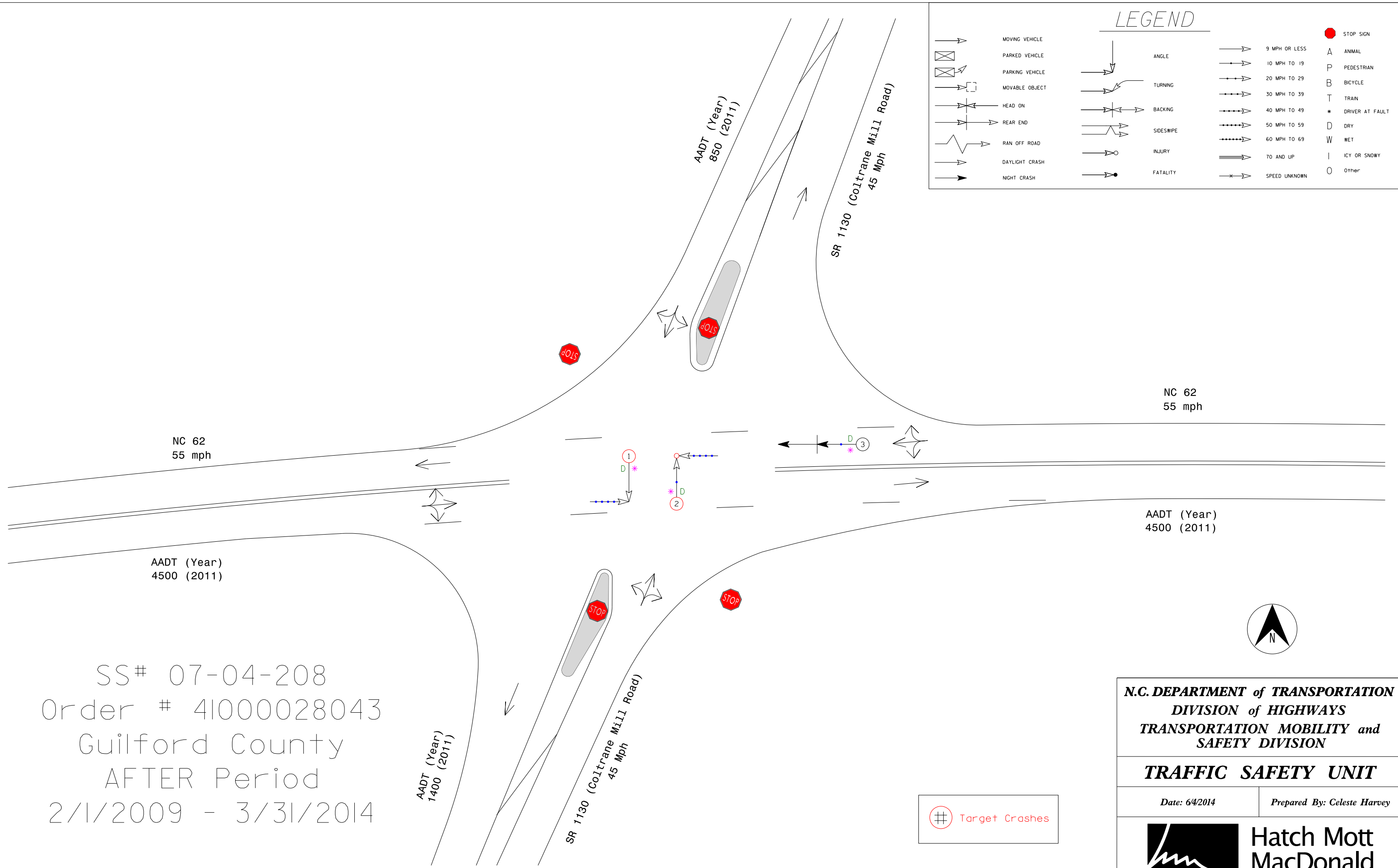
TRAFFIC SAFETY UNIT

Date: 6/4/2014 Prepared By: Celeste Harvey

Hatch Mott MacDonald

LEGEND

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



SS# 07-04-208
 Order # 41000028043
 Guilford County
 AFTER Period
 2/1/2009 - 3/31/2014

Target Crashes

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

TRAFFIC SAFETY UNIT

Date: 6/4/2014 Prepared By: Celeste Harvey

