

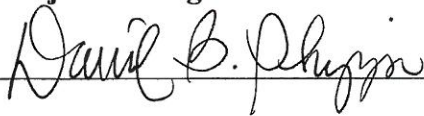
NCDOT Safety Project Work Product

Crash Analysis for Reported Crashes On US 701 from 1400 feet south to 600 feet north of SR 1005 (Peacock Road) Columbus County

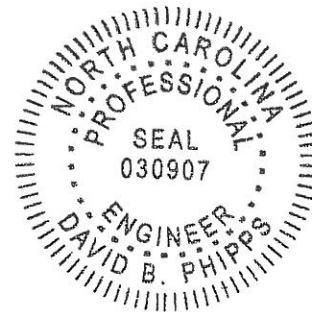
Document Prepared By:

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Date: 2/5/2015

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Study Criteria Summary

County: COLUMBUS City: All and Rural
Date: 1/1/2010 to 12/31/2014 Study: US701NEARSR1005
Location: US 701 from 1400 feet south to 600 feet north of SR 1005 (Peacock Road)

Report Details

Acc No	Crash ID	Milepost	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
						F	A	B	C	R	L	W	Ch	Ci	Dv	Op
1	104228824	25.499	11/24/2014 13:03	OTHER COLLISION WITH VEHICLE	\$ 25000	1	1	2	0	2	1	3	1	1	13	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 55 MPH	Dir: N		Veh Mnvr/Ped Actn: 4				Obj Strk:						
Unit	2 : 1	Alchl/Drgs: 0	Speed: 55 MPH	Dir: S		Veh Mnvr/Ped Actn: 4				Obj Strk: 59						
2	103341551	25.525	12/29/2011 18:13	ANIMAL	\$ 1700	0	0	0	0	1	5	1		0		
Unit	1 : 1	Alchl/Drgs: 0	Speed: 0 MPH	Dir: N		Veh Mnvr/Ped Actn: 4				Obj Strk: 17						
3	103424435	25.565	04/12/2012 18:15	REAR END, TURN	\$ 1000	0	0	0	2	1	1	1	1	0	1	1
Unit	1 : 2	Alchl/Drgs: 0	Speed: 10 MPH	Dir: N		Veh Mnvr/Ped Actn: 4				Obj Strk:						
Unit	2 : 5	Alchl/Drgs: 0	Speed: 55 MPH	Dir: N		Veh Mnvr/Ped Actn: 4				Obj Strk:						
4	104228042	25.622	11/26/2014 07:47	FIXED OBJECT	\$ 7000	0	0	0	0	2	1	3	5	1	13	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 65 MPH	Dir: N		Veh Mnvr/Ped Actn: 4				Obj Strk: 58						
5	103221768	25.665	08/08/2011 06:00	ANIMAL	\$ 1700	0	0	0	0	1	3	1	1	0	0	
Unit	1 : 14	Alchl/Drgs: 0	Speed: 55 MPH	Dir: S		Veh Mnvr/Ped Actn: 4				Obj Strk: 17						

Legend for Report Details:
 Acc No - Accident Number
 Injuries: F - Fatal, A - Class A, B - Class B, C - Class C
 Condition: R - Road Surface, L - Ambient Light, W - Weather
 Rd Ch - Road Character
 Rd Ci - Roadway Contributing Circumstances
 Trfc Ctl - Traffic Control: Dv - Device, Op - Operating
 Alchl/Drgs - Alcohol Drugs Suspected
 Veh Mnvr/Ped Actn - Vehicle Maneuver/Pedestrian Action
 Obj Strk - Object Struck

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Summary Statistics

High Level Crash Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	5	100.00
Fatal Crashes	1	20.00
Non-Fatal Injury Crashes	1	20.00
Total Injury Crashes	2	40.00
Property Damage Only Crashes	3	60.00
Night Crashes	1	20.00
Wet Crashes	2	40.00
Alcohol/Drugs Involvement Crashes	0	0.00

Crash Severity Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	5	100.00
Fatal Crashes	1	20.00
Class A Crashes	0	0.00
Class B Crashes	0	0.00
Class C Crashes	1	20.00
Property Damage Only Crashes	3	60.00

Vehicle Exposure Statistics

Annual ADT = 3400

Total Length = 0.379 (Miles) 0.61 (Kilometers)

Total Vehicle Exposure = 2.35 (MVMt) 3.79 (MVKMT)

Crash Rate	Crashes Per 100 Million Vehicle Miles	Crashes Per 100 Million Vehicle Kilometers
Total Crash Rate	212.50	132.04
Fatal Crash Rate	42.50	26.41
Non Fatal Crash Rate	42.50	26.41
Night Crash Rate	42.50	26.41
Wet Crash Rate	85.00	52.82
EPDO Rate	3748.42	2329.16

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Miscellaneous Statistics

Severity Index =	17.64
EPDO Crash Index =	88.20
Estimated Property Damage Total = \$	36400.00

Accident Type Summary

Accident Type	Number of Crashes	Percent of Total
ANIMAL	2	40.00
FIXED OBJECT	1	20.00
OTHER COLLISION WITH VEHICLE	1	20.00
REAR END, TURN	1	20.00

Injury Summary

Injury Type	Number of Injuries	Percent of Total
Fatal Injuries	1	16.67
Class A Injuries	1	16.67
Class B Injuries	2	33.33
Class C Injuries	2	33.33
Total Non-Fatal Injuries	5	83.33
Total Injuries	6	100.00

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Monthly Summary

Month	Number of Crashes	Percent of Total
Jan	0	0.00
Feb	0	0.00
Mar	0	0.00
Apr	1	20.00
May	0	0.00
Jun	0	0.00
Jul	0	0.00
Aug	1	20.00
Sep	0	0.00
Oct	0	0.00
Nov	2	40.00
Dec	1	20.00

Daily Summary

Day	Number of Crashes	Percent of Total
Mon	2	40.00
Tue	0	0.00
Wed	1	20.00
Thu	2	40.00
Fri	0	0.00
Sat	0	0.00
Sun	0	0.00

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Hourly Summary

Hour	Number of Crashes	Percent of Total
0000-0059	0	0.00
0100-0159	0	0.00
0200-0259	0	0.00
0300-0359	0	0.00
0400-0459	0	0.00
0500-0559	0	0.00
0600-0659	1	20.00
0700-0759	1	20.00
0800-0859	0	0.00
0900-0959	0	0.00
1000-1059	0	0.00
1100-1159	0	0.00
1200-1259	0	0.00
1300-1359	1	20.00
1400-1459	0	0.00
1500-1559	0	0.00
1600-1659	0	0.00
1700-1759	0	0.00
1800-1859	2	40.00
1900-1959	0	0.00
2000-2059	0	0.00
2100-2159	0	0.00
2200-2259	0	0.00
2300-2359	0	0.00

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Light and Road Conditions Summary

Condition	Dry	Wet	Other	Total
Day	1	2	0	3
Dark	1	0	0	1
Other	1	0	0	1
Total	3	2	0	5

Object Struck Summary

Object Type	Times Struck	Percent of Total
ANIMAL	2	50.00
DITCH	1	25.00
EMBANKMENT	1	25.00

Vehicle Type Summary

Vehicle Type	Number Involved	Percent of Total
PASSENGER CAR	4	57.14
PICKUP	1	14.29
TRACTOR/SEMI-TRAILER	1	14.29
VAN	1	14.29

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Yearly Totals Summary

Accident Totals

Year	Total Accidents	Fatal Accidents	Injury Accidents	Property Damage Only Accidents
2010	0	0	0	0
2011	2	0	0	2
2012	1	0	1	0
2013	0	0	0	0
2014	2	1	0	1
Total	5	1	1	3

Injury Totals

Year	Fatal Injuries	Class A, B, or C Injuries
2010	0	0
2011	0	0
2012	0	2
2013	0	0
2014	1	3
Total	1	5

Miscellaneous Totals

Year	Property Damage	EPDO Index
2010	\$ 0	0.00
2011	\$ 3400	2.00
2012	\$ 1000	8.40
2013	\$ 0	0.00
2014	\$ 32000	77.80
Total	\$ 36400	88.20

Type of Accident Totals

Year	Left Turn	Right Turn	Rear End	Run Off Road & Fixed Object	Angle	Side Swipe	Other
2010	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	2
2012	0	0	1	0	0	0	0
2013	0	0	0	0	0	0	0
2014	0	0	0	1	0	0	1

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Year	Left Turn	Right Turn	Rear End	Run Off Road & Fixed Object	Angle	Side Swipe	Other
Total	0	0	1	1	0	0	3

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Strip Diagram

Features	Milepost	Crash IDs
	25.30	
	25.31	
	25.32	
	25.33	
	25.34	
	25.35	
	25.36	
	25.37	
	25.38	
	25.39	
	25.40	
	25.41	
	25.42	
	25.43	
	25.44	
	25.45	
	25.46	
	25.47	
	25.48	
	25.49	
	25.50	104228824
	25.51	
	25.52	103341551
	25.53	
	25.54	
	25.55	
	25.56	
SR 1005 PEACOCK	25.57	103424435
	25.58	
	25.59	
	25.60	
	25.61	
	25.62	104228042
Structure:230060	25.63	
	25.64	
	25.65	
	25.66	
	25.67	103221768
	25.68	

North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Strip Analysis Report

Study Criteria

Study Name	Log No.	PH No.	TIP No.	K/A Cf.	B/C Cf.	ADT	ADT Route
US701NEARSR1005				76.8	8.4	3400	

Request Date	Courier Service	Phone No.	Ext.	Fax No.
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County			Municipality			Y-Line Ft.	Begin Date	End Date	Years
Name	Code	Div.	Name	Code					
COLUMBUS	23	6	All and Rural			150	1/1/2010	12/31/2014	5.00

Location Text	Requestor
US 701 from 1400 feet south to 600 feet north of SR 1005 (Peacock Road)	

Included Accidents	Old MP	New MP	Type
104228824		25.499	I
103341551		25.525	I

Fiche Roads

Name	Code
US 701	20000701

Strip Road

Name	Code	Begin MP	End MP	Miles	Kilometers
US 701	20000701	25.300	25.679	0.379	0.610