

Bridge Approach Speed Investigation

Bridge # 910132 over Smith Creek on SR 2052 (Rogers Rd)
Wake County
WBS Element # 17BP.5.R.14



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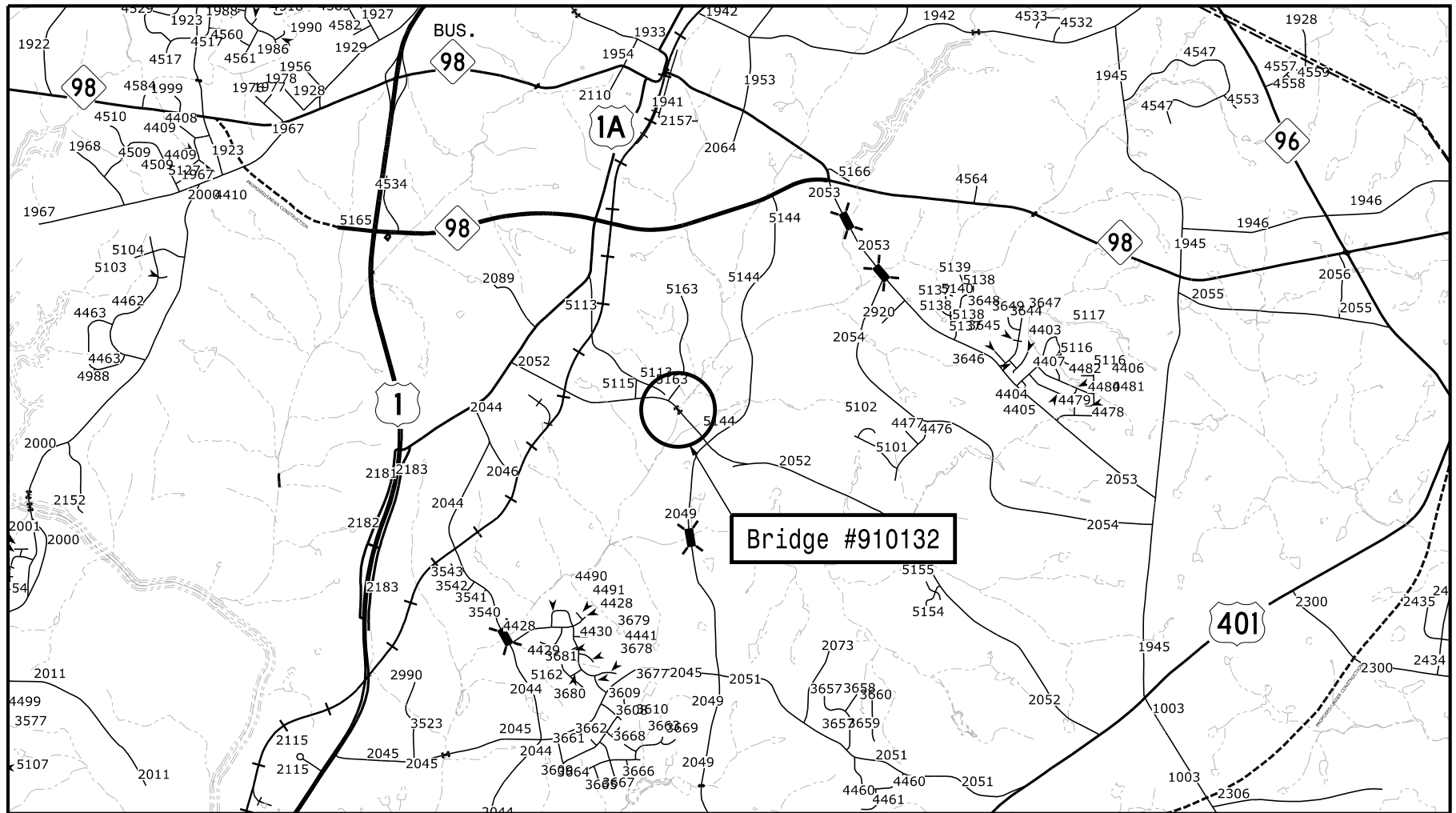
Bradley Reynolds

Bradley A. Reynolds, PE
Project Manager



Division 5 - Wake County Design Build Year 2 Bridge Program

Bridge locations plotted based on coordinates provided by Bridge Management



Division	County	Structure Number	Structure Description	Latitude	Longitude
5	Wake	910132	Bridge #132 over Smiths Creek on SR 2052	35.94924936	-78.50861644



1"=5000'
SCALE

Bridge and Approach Investigation Checklist

Project 17BP.5.R.14

Description Bridge #132 over Smith Creek on SR 2052

Route SR 2052 (Rogers Rd)

Division 5

County Wake

Existing Speed Limit 45 ☒ Posted ☐ Statutory

Reasonable & Comfortable Passenger Car Speed 45 mph

Speed Data N/A

Ball Bank Speed Study 45 mph: WB - 6-8
EB N/A due to signal

Warning Signs at Bridge Weight Limit Signs (Single Vehicle 20 tons, TTST 27 tons) - 1x each Appr.
Signal Ahead (W3-3) - WB approach
School (S1-1) - WB approach
School Zone pavement marking - WB approach
School Zone regulatory Speed Limit 35 (S4-1, R2-1, S4-3) - EB approach

Roadside Development Residential/Suburban. Heritage Middle/Elementary in SW quadrant.
past Franklin St. signalized intersection. Church and Greenway in
NE quadrant. No development in SE and NW quadrants.

ADT History 17300 vpd estimated east of bridge from NCDOT TMC #10-2100,
dated March 2010

Pedestrian/Bicycle Traffic One pedestrian, no cyclists observed. Smith Creek Greenway located
in NE quadrant; proposed to continue on the south side of bridge.

Bridge and Approach Digital Photos Attached

Approach Lane Width 11'

Approach Shoulder Width: Varies from 2' to 4'± (paved) + 4' to 10'± (grass)
Shoulder Type Paved/Grass

Lane Width (existing bridge) 11'

Shoulder width (existing bridge) 2'

Strategic Corridor / Thoroughfare Designation and Recommended Cross Section N/A, Local Secondary

Crash History and Safety Considerations Twelve reported collisions in a ten-year history (2/1/02 to 1/31/2012).
No collisions on the bridge. Ran off road collision west of bridge.
Majority of nearby collisions at Franklin St. signalized intersection.

Comments Heavy vehicles observed. Turn lanes north and south of bridge.
Consider a minimum three lane cross section (2 lanes with LT median)
with ped/bike accommodation. Overhead lighting present.
400' from bridge to Franklin St. signal.

Reasonable Bridge Speed 45 mph

County: Wake

Description: Bridge #132 over Smith Creek

Route: SR 2052

SR 2052 (Rogers Rd) Eastbound $\pm 275'$ from Bridge #132



SR 2052 (Rogers Rd) Eastbound $\pm 50'$ from Bridge #132



SR 2052 (Rogers Rd) Westbound $\pm 375'$ from Bridge #132



SR 2052 (Rogers Rd) Westbound $\pm 50'$ from Bridge #132



County: Wake

Description: Bridge #132 over Smith Creek

Route: SR 2052

Eastbound view of Bridge #132 structure



Westbound view of Bridge #132 structure



Eastbound view of Pedestrian crossing Bridge #132



Northbound view of Smith Creek Greenway and Church



Bridge Approach Speed Crash Analysis Request

Order # 41000018475

**500 feet on Both Sides of Bridge Number 132 on Secondary Route 2052 (Rogers Road)
over Smiths Creek in Wake County**

Document Prepared By:

Safety Planning Group
Traffic Safety Systems Management Unit
Transportation Mobility and Safety Division
North Carolina Department of Transportation

Note: The crash statistics have been generated and are available through North Carolina's Crash Database. This database provides an inventory of **reported** crashes on record that have occurred at this location. Please note that many traffic crashes go unreported for a variety of reasons, and this report simply provides a listing of all crashes on record that occurred within 0 feet of the section described above.

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

Study Criteria Summary

County: WAKE **City:** All and Rural
Date: 02/01/2002 to 01/31/2012 **Study:** 41000018475
Location: 500 feet on Both Sides of Bridge Number 132 on Secondary Route 2052 (Rogers Road) over Smiths Creek

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	101965113	1.032	01/20/2007 15:35	REAR END, SLOW OR STOP	\$ 6000	0	0	0	0	1	1	1	1	0	3	1
Unit	1 : 4	Alchl/Drgs:	0	Speed: 45 MPH Dir: W		Veh Mnvr/Ped Actn: 4				Obj Strk:						
Unit	2 : 2	Alchl/Drgs:	0	Speed: 45 MPH Dir: W		Veh Mnvr/Ped Actn: 1				Obj Strk:						
Unit	3 : 4	Alchl/Drgs:	0	Speed: 45 MPH Dir: W		Veh Mnvr/Ped Actn: 1				Obj Strk:						
2	102439882	1.032	10/27/2008 07:25	LEFT TURN, SAME ROADWAY	\$ 7000	0	0	0	1	1	1	1	7	0	3	1
Unit	1 : 1	Alchl/Drgs:	0	Speed: 35 MPH Dir: E		Veh Mnvr/Ped Actn: 4				Obj Strk:						
Unit	2 : 4	Alchl/Drgs:	0	Speed: 10 MPH Dir: W		Veh Mnvr/Ped Actn: 8				Obj Strk:						
3	102520667	1.032	01/03/2009 15:01	REAR END, SLOW OR STOP	\$ 3000	0	0	0	0	1	1	1	1	0	3	1
Unit	1 : 5	Alchl/Drgs:	0	Speed: 35 MPH Dir: W		Veh Mnvr/Ped Actn: 11				Obj Strk:						
Unit	2 : 2	Alchl/Drgs:	0	Speed: 35 MPH Dir: W		Veh Mnvr/Ped Actn: 11				Obj Strk:						
4	102568675	1.032	03/18/2009 18:28	ANGLE	\$ 10000	0	0	0	0	1	1	1	4	0	3	1
Unit	1 : 1	Alchl/Drgs:	0	Speed: 15 MPH Dir: S		Veh Mnvr/Ped Actn: 8				Obj Strk:						
Unit	2 : 1	Alchl/Drgs:	0	Speed: 45 MPH Dir: W		Veh Mnvr/Ped Actn: 4				Obj Strk:						
5	102608934	1.032	05/28/2009 14:39	REAR END, SLOW OR STOP	\$ 2300	0	0	0	1	2	1	2	3	0	3	1
Unit	1 : 1	Alchl/Drgs:	0	Speed: 35 MPH Dir: E		Veh Mnvr/Ped Actn: 4				Obj Strk:						
Unit	2 : 2	Alchl/Drgs:	0	Speed: 35 MPH Dir: E		Veh Mnvr/Ped Actn: 4				Obj Strk:						
6	102980373	1.037	09/01/2010 06:59	OVERTURN/ROLLOVER	\$ 17000	0	0	0	0	1	1	1	1	0	3	1
Unit	1 : 4	Alchl/Drgs:	3	Speed: 35 MPH Dir: NW		Veh Mnvr/Ped Actn: 4				Obj Strk:						
Unit	2 : 4	Alchl/Drgs:	0	Speed: 0 MPH Dir: NW		Veh Mnvr/Ped Actn: 1				Obj Strk:						
7	103223750	1.051	07/06/2011 18:02	ANIMAL	\$ 1000	0	0	0	0	1	1	2	1	0		2
Unit	1 : 4	Alchl/Drgs:	0	Speed: 35 MPH Dir: E		Veh Mnvr/Ped Actn: 4				Obj Strk:			17			
8	101468050	1.052	05/03/2005 22:41	ANIMAL	\$ 3500	0	0	0	0	1	4	1	3	0		
Unit	1 : 4	Alchl/Drgs:	0	Speed: 45 MPH Dir: E		Veh Mnvr/Ped Actn: 4				Obj Strk:			17			

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

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
9	102047055	1.055	05/23/2007 10:36	ANGLE	\$ 19000	0	0	0	0	1	1	1	7	0	0	
Unit	1 : 4	Alchl/Drgs:	0	Speed: 20 MPH Dir: E		Veh Mnvr/Ped Actn:				4	Obj Strk:					
Unit	2 : 4	Alchl/Drgs:	0	Speed: 45 MPH Dir: E		Veh Mnvr/Ped Actn:				9	Obj Strk:					
10	103092957	1.090	01/08/2011 13:57	ANGLE	\$ 11500	0	0	0	0	5	1	4	3	0		
Unit	1 : 1	Alchl/Drgs:	0	Speed: 30 MPH Dir: N		Veh Mnvr/Ped Actn:				4	Obj Strk:					
Unit	2 : 4	Alchl/Drgs:	0	Speed: 30 MPH Dir: S		Veh Mnvr/Ped Actn:				4	Obj Strk:					
Unit	3 : 1	Alchl/Drgs:	0	Speed: 30 MPH Dir: S		Veh Mnvr/Ped Actn:				4	Obj Strk:					
11	101680870	1.110	02/21/2006 20:11	RAN OFF ROAD - LEFT	\$ 10000	0	0	2	0	1	4	1	8	0	13	1
Unit	1 : 4	Alchl/Drgs:	0	Speed: 45 MPH Dir: E		Veh Mnvr/Ped Actn:				4	Obj Strk: 59					
12	102491865	1.192	12/17/2008 17:49	ANIMAL	\$ 1000	0	0	0	0	2	5	2	1	0		
Unit	1 : 3	Alchl/Drgs:	0	Speed: 35 MPH Dir: N		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	12	100.00
Fatal Crashes	0	0.00
Non-Fatal Injury Crashes	3	25.00
Total Injury Crashes	3	25.00
Property Damage Only Crashes	9	75.00
Night Crashes	3	25.00
Wet Crashes	2	16.67
Alcohol/Drugs Involvement Crashes	0	0.00

Crash Severity Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	12	100.00
Fatal Crashes	0	0.00
Class A Crashes	0	0.00
Class B Crashes	1	8.33
Class C Crashes	2	16.67
Property Damage Only Crashes	9	75.00

Vehicle Exposure Statistics

Annual ADT = 3200

Total Length = 0.206 (Miles)

0.332 (Kilometers)

Total Vehicle Exposure = 2.41 (MVMT)

3.87 (MVKMT)

Crash Rate	Crashes Per 100 Million Vehicle Miles	Crashes Per 100 Million Vehicle Kilometers
Total Crash Rate	498.46	309.73
Fatal Crash Rate	0.00	0.00
Non Fatal Crash Rate	124.62	77.43
Night Crash Rate	124.62	77.43
Wet Crash Rate	83.08	51.62
EPDO Rate	1420.62	882.73

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Strip Analysis Report**

Miscellaneous Statistics

Severity Index =	2.85
EPDO Crash Index =	34.20
Estimated Property Damage Total = \$	91300.00

Accident Type Summary

Accident Type	Number of Crashes	Percent of Total
ANGLE	3	25.00
ANIMAL	3	25.00
LEFT TURN, SAME ROADWAY	1	8.33
OVERTURN/ROLLOVER	1	8.33
RAN OFF ROAD - LEFT	1	8.33
REAR END, SLOW OR STOP	3	25.00

Injury Summary

Injury Type	Number of Injuries	Percent of Total
Fatal Injuries	0	0.00
Class A Injuries	0	0.00
Class B Injuries	2	50.00
Class C Injuries	2	50.00
Total Non-Fatal Injuries	4	100.00
Total Injuries	4	100.00

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Monthly Summary

Month	Number of Crashes	Percent of Total
Jan	3	25.00
Feb	1	8.33
Mar	1	8.33
Apr	0	0.00
May	3	25.00
Jun	0	0.00
Jul	1	8.33
Aug	0	0.00
Sep	1	8.33
Oct	1	8.33
Nov	0	0.00
Dec	1	8.33

Daily Summary

Day	Number of Crashes	Percent of Total
Mon	1	8.33
Tue	2	16.67
Wed	5	41.67
Thu	1	8.33
Fri	0	0.00
Sat	3	25.00
Sun	0	0.00

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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	8.33
0700-0759	1	8.33
0800-0859	0	0.00
0900-0959	0	0.00
1000-1059	1	8.33
1100-1159	0	0.00
1200-1259	0	0.00
1300-1359	1	8.33
1400-1459	1	8.33
1500-1559	2	16.67
1600-1659	0	0.00
1700-1759	1	8.33
1800-1859	2	16.67
1900-1959	0	0.00
2000-2059	1	8.33
2100-2159	0	0.00
2200-2259	1	8.33
2300-2359	0	0.00

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Strip Analysis Report

Light and Road Conditions Summary

Condition	Dry	Wet	Other	Total
Day	7	1	1	9
Dark	2	1	0	3
Other	0	0	0	0
Total	9	2	1	12

Object Struck Summary

Object Type	Times Struck	Percent of Total
ANIMAL	3	75.00
EMBANKMENT	1	25.00

Vehicle Type Summary

Vehicle Type	Number Involved	Percent of Total
LIGHT TRUCK (MINI-VAN, PANEL)	1	4.55
PASSENGER CAR	6	27.27
PICKUP	3	13.64
SPORT UTILITY	11	50.00
VAN	1	4.55

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Strip Analysis Report

Yearly Totals Summary

Accident Totals

Year	Total Accidents	Fatal Accidents	Injury Accidents	Property Damage Only Accidents
2002	0	0	0	0
2003	0	0	0	0
2004	0	0	0	0
2005	1	0	0	1
2006	1	0	1	0
2007	2	0	0	2
2008	2	0	1	1
2009	3	0	1	2
2010	1	0	0	1
2011	2	0	0	2
2012	0	0	0	0
Total	12	0	3	9

Injury Totals

Year	Fatal Injuries	Class A, B, or C Injuries
2002	0	0
2003	0	0
2004	0	0
2005	0	0
2006	0	2
2007	0	0
2008	0	1
2009	0	1
2010	0	0
2011	0	0
2012	0	0
Total	0	4

Miscellaneous Totals

Year	Property Damage	EPDO Index
2002	\$ 0	0.00
2003	\$ 0	0.00
2004	\$ 0	0.00

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Year	Property Damage	EPDO Index
2005	\$ 3500	1.00
2006	\$ 10000	8.40
2007	\$ 25000	2.00
2008	\$ 8000	9.40
2009	\$ 15300	10.40
2010	\$ 17000	1.00
2011	\$ 12500	2.00
2012	\$ 0	0.00
Total	\$ 91300	34.20

Type of Accident Totals

Year	Left Turn	Right Turn	Rear End	Run Off Road & Fixed Object	Angle	Side Swipe	Other
2002	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	1
2006	0	0	0	1	0	0	0
2007	0	0	1	0	1	0	0
2008	1	0	0	0	0	0	1
2009	0	0	2	0	1	0	0
2010	0	0	0	0	0	0	1
2011	0	0	0	0	1	0	1
2012	0	0	0	0	0	0	0
Total	1	0	3	1	3	0	4

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Traffic Engineering Accident Analysis System
Strip Analysis Report

Strip Diagram

Features	Milepost	Crash IDs
HERITAGE ELEMENTARY SCHOOL ENTR. FRANKLIN	1.030	101965113 102439882 102520667 102568675 102608934
	1.040	102980373
	1.050	103223750 101468050 102047055
	1.060	
	1.070	
	1.080	
	1.090	103092957
	1.100	
	1.110	101680870
BEGIN BRIDGE STRUCTURE	1.120	
Structure:910132	1.130	
END BRIDGE STRUCTURE	1.140	
	1.150	
	1.160	
	1.170	
	1.180	
	1.190	102491865
	1.200	
	1.210	
	1.220	
	1.230	
	1.240	

**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
41000018475	41000018475			76.8	8.4	3200	40002052

Request Date	Courier Service	Phone No.	Ext.	Fax No.
03/15/2012		(919)773-2778		

County			Municipality					
Name	Code	Div.	Name	Code	Y-Line Ft.	Begin Date	End Date	Years
WAKE	91	5	All and Rural		0	02/01/2002	01/31/2012	10.00

Location Text	Requestor
500 feet on Both Sides of Bridge Number 132 on Secondary Route 2052 (Rogers Road) over Smiths Creek	Kelly L. Becker, PE Capital Safety Region Raleigh NC

Included Accidents	Old MP	New MP	Type
102439882		1.032	I
101468050	1.033	1.052	R
101680870	1.099	1.11	R
102047055	1.036	1.055	R
103223750	1.032	1.051	R
101965113		1.032	I
102520667		1.032	I
102568675		1.032	I
102608934		1.032	I
102980373		1.037	I
103092957		1.09	I

Fiche Roads

Name	Code
SR 2052	40002052
ROGER	50026348

Strip Road

Name	Code	Begin MP	End MP	Miles	Kilometers
SR 2052	40002052	1.030	1.236	0.206	0.332

**North Carolina Department of Transportation
Traffic Engineering Accident Analysis System
Fiche, Intersection, and Strip Reports Code Index**

T - Type of Accident Codes

0 = UNKNOWN
1 = RAN OFF ROAD - RIGHT
2 = RAN OFF ROAD - LEFT
3 = RAN OFF ROAD - STRAIGHT
4 = JACKKNIFE
5 = OVERTURN/ROLLOVER
13 = OTHER NON-COLLISION
14 = PEDESTRIAN
15 = PEDALCYCLIST
16 = RR TRAIN, ENGINE
17 = ANIMAL
18 = MOVABLE OBJECT
19 = FIXED OBJECT
20 = PARKED MOTOR VEHICLE
21 = REAR END, SLOW OR STOP
22 = REAR END, TURN
23 = LEFT TURN, SAME ROADWAY
24 = LEFT TURN, DIFFERENT ROADWAYS
25 = RIGHT TURN, SAME ROADWAY
26 = RIGHT TURN, DIFFERENT ROADWAYS
27 = HEAD ON
28 = SIDESWIPE, SAME DIRECTION
29 = SIDESWIPE, OPPOSITE DIRECTION
30 = ANGLE
31 = BACKING UP
32 = OTHER COLLISION WITH VEHICLE

F - Road Feature Codes

0 = NO SPECIAL FEATURE
1 = BRIDGE
2 = BRIDGE APPROACH
3 = UNDERPASS
4 = DRIVEWAY, PUBLIC
5 = DRIVEWAY, PRIVATE
6 = ALLEY INTERSECTION
7 = FOUR-WAY INTERSECTION
8 = T-INTERSECTION
9 = Y-INTERSECTION
10 = TRAFFIC CIRCLE/ROUNDBOUT
11 = FIVE-POINT, OR MORE
12 = RELATED TO INTERSECTION
13 = NON-INTERSECTION MEDIAN CROSSING
14 = END OR BEGINNING - DIVIDED HIGHWAY
15 = OFF RAMP ENTRY
16 = OFF RAMP PROPER
17 = OFF RAMP TERMINAL ON CROSSROAD
18 = MERGE LANE BETWEEN ON AND OFF RAMP
19 = ON RAMP ENTRY
20 = ON RAMP PROPER
21 = ON RAMP TERMINAL ON CROSSROAD
22 = RAILROAD CROSSING
23 = TUNNEL
24 = SHARED-USE PATHS OR TRAILS
25 = OTHER

R - Road Condition Codes

1 = DRY
2 = WET
3 = WATER (STANDING, MOVING)
4 = ICE
5 = SNOW
6 = SLUSH
7 = SAND, MUD, DIRT, GRAVEL
8 = FUEL, OIL
9 = OTHER
10 = UNKNOWN

L - Light Condition Codes

1 = DAYLIGHT
2 = DUSK
3 = DAWN
4 = DARK - LIGHTED ROADWAY
5 = DARK - ROADWAY NOT LIGHTED
6 = DARK - UNKNOWN LIGHTING
7 = OTHER
8 = UNKNOWN

W - Weather Condition Codes

1 = CLEAR
2 = CLOUDY
3 = RAIN
4 = SNOW
5 = FOG, SMOG, SMOKE
6 = SLEET, HAIL, FREEZING RAIN/DRIZZLE
7 = SEVERE CROSSWINDS
8 = BLOWING SAND, DIRT, SNOW
9 = OTHER

S - Accident Severity Codes

K = FATAL
A = A-LEVEL INJURY
B = B-LEVEL INJURY
C = C-LEVEL INJURY
O = PROPERTY DAMAGE ONLY

Ch - Road Character

1 = STRAIGHT, LEVEL
2 = STRAIGHT, HILLCREST
3 = STRAIGHT, GRADE
4 = STRAIGHT, BOTTOM (SAG)
5 = CURVE, LEVEL
6 = CURVE, HILLCREST
7 = CURVE, GRADE
8 = CURVE, BOTTOM (SAG)
9 = OTHER

Op - Traffic Control Operating

1 = YES
2 = NO
3 = UNKNOWN

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Traffic Engineering Accident Analysis System
Fiche, Intersection, and Strip Reports Code Index**

Veh Mnvr - Vehicle Maneuver Codes

1 = STOPPED IN TRAVEL LANE
2 = PARKED OUT OF TRAVEL LANES
3 = PARKED IN TRAVEL LANES
4 = GOING STRAIGHT AHEAD
5 = CHANGING LANES OR MERGING
6 = PASSING
7 = MAKING RIGHT TURN
8 = MAKING LEFT TURN
9 = MAKING U-TURN
10 = BACKING
11 = SLOWING OR STOPPING
12 = STARTING IN ROADWAY
13 = PARKING
14 = LEAVING PARKED POSITION
15 = AVOIDING OBJECT IN ROAD

Dv - Traffic Control Device

0 = NO CONTROL PRESENT
1 = STOP SIGN
2 = YIELD SIGN
3 = STOP AND GO SIGNAL
4 = FLASHING SIGNAL WITH STOP SIGN
5 = FLASHING SIGNAL WITHOUT STOP SIGN
6 = RR GATE AND FLASHER
7 = RR FLASHER
8 = RR CROSSBUCKS ONLY
9 = HUMAN CONTROL
10 = WARNING SIGN
11 = SCHOOL ZONE SIGNS
12 = FLASHING STOP AND GO SIGNAL
13 = DOUBLE YELLOW LINE, NO PASSING ZONE
14 = OTHER

Alchl/Drugs - Driver Alcohol/Drugs Suspected Status Codes

0 = NO
1 = YES - ALCOHOL, IMPAIRMENT SUSPECTED
2 = YES - ALCOHOL, NO IMPAIRMENT DETECTED
3 = YES - OTHER DRUGS, IMPAIRMENT SUSPECTED
4 = YES - OTHER DRUGS, NO IMPAIRMENT DETECTED
5 = YES - ALCOHOL AND OTHER DRUGS, IMPAIRMENT SUSPECTED
6 = YES - ALCOHOL AND OTHER DRUGS, NO IMPAIRMENT DETECTED
7 = UNKNOWN

Ped Actn - Pedestrian Action Codes

1 = ENTERING OR CROSSING SPECIFIED LOCATION
2 = WALKING, RIDING, RUNNING/JOGGING WITH TRAFFIC
3 = WALKING, RIDING, RUNNING/JOGGING AGAINST TRAFFIC
4 = WORKING
5 = PUSHING VEHICLE
6 = APPROACHING OR LEAVING VEHICLE
7 = PLAYING
8 = STANDING
9 = OTHER

Ci - Roadway Contributing Circumstances

0 = NONE (NO UNUSUAL CONDITIONS)
1 = ROAD SURFACE CONDITION
2 = DEBRIS
3 = RUT, HOLES, BUMPS
4 = WORK ZONE (CONSTRUCTION, MAINTENANCE, UTILITY)
5 = WORN TRAVEL-POLISHED SURFACE
6 = OBSTRUCTION IN ROADWAY
7 = TRAFFIC CONTROL DEVICE INOPERATIVE, NOT VISIBLE OR MISSING
8 = SHOULDERS LOW, SOFT OR HIGH
9 = NO SHOULDERS
10 = NON-HIGHWAY WORK
11 = OTHER
12 = UNKNOWN

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Traffic Engineering Accident Analysis System
Fiche, Intersection, and Strip Reports Code Index**

Obj Strk - Object Struck Codes

14 = PEDESTRIAN
15 = PEDALCYCLIST
17 = ANIMAL
18 = MOVABLE OBJECT
20 = PARKED MOTOR VEHICLE
33 = TREE
34 = UTILITY POLE
35 = LUMINAIRE POLE NON-BREAKAWAY
36 = LUMINAIRE POLE BREAKAWAY
37 = OFFICIAL HIGHWAY SIGN NON-BREAKAWAY
38 = OFFICIAL HIGHWAY SIGN BREAKAWAY
39 = OVERHEAD SIGN SUPPORT
40 = COMMERCIAL SIGN
41 = GUARDRAIL END ON SHOULDER
42 = GUARDRAIL FACE ON SHOULDER
43 = GUARDRAIL END IN MEDIAN
44 = GUARDRAIL FACE IN MEDIAN
45 = SHOULDER BARRIER END
46 = SHOULDER BARRIER FACE
47 = MEDIAN BARRIER END
48 = MEDIAN BARRIER FACE
49 = BRIDGE RAIL END
50 = BRIDGE RAIL FACE
51 = OVERHEAD PART UNDERPASS
52 = PIER ON SHOULDER OF UNDERPASS
53 = PIER IN MEDIAN OF UNDERPASS
54 = ABUTMENT OF UNDERPASS
55 = TRAFFIC ISLAND CURB OR MEDIAN
56 = CATCH BASIN OR CULVERT ON SHOULDER
57 = CATCH BASIN OR CULVERT ON MEDIAN
58 = DITCH
59 = EMBANKMENT
60 = MAILBOX
61 = FENCE OR FENCE POST
62 = CONTRUCTION BARRIER
63 = CRASH CUSHION
64 = OTHER FIXED OBJECT

Unit # - Vehicle Style Codes

1 = PASSENGER CAR
2 = PICKUP
3 = LIGHT TRUCK (MINI-VAN, PANEL)
4 = SPORT UTILITY
5 = VAN
6 = COMMERCIAL BUS
7 = SCHOOL BUS
8 = ACTIVITY BUS
9 = OTHER BUS
10 = SINGLE UNIT TRUCK (2-AXLE, 6-TIRE)
11 = SINGLE UNIT TRUCK (3 OR MORE AXLES)
12 = TRUCK/TRAILER
13 = TRUCK/TRACTOR
14 = TRACTOR/SEMI-TRAILER
15 = TRACTOR/DOULBES
16 = UNKNOWN HEAVY TRUCK
17 = TAXICAB
18 = FARM EQUIPMENT
19 = FARM TRACTOR
20 = MOTORCYCLE
21 = MOPED
22 = MOTOR SCOOTER OR MOTOR BIKE
23 = PEDALCYCLE
24 = PEDESTRIAN
25 = MOTOR HOME/RECREATIONAL VEHICLE
26 = OTHER
27 = ALL TERRAIN VEHICLE (ATV)
28 = FIRETRUCK
29 = EMS VEHICLE, AMBULANCE, RESCUE SQUAD
30 = MILITARY
31 = POLICE
32 = UNKNOWN