

Bridge Approach Speed Investigation

Bridge # 910130 over Sanford Creek on SR 2049 (Forestville Rd)
Wake County
WBS Element # 17BP.5.R.32



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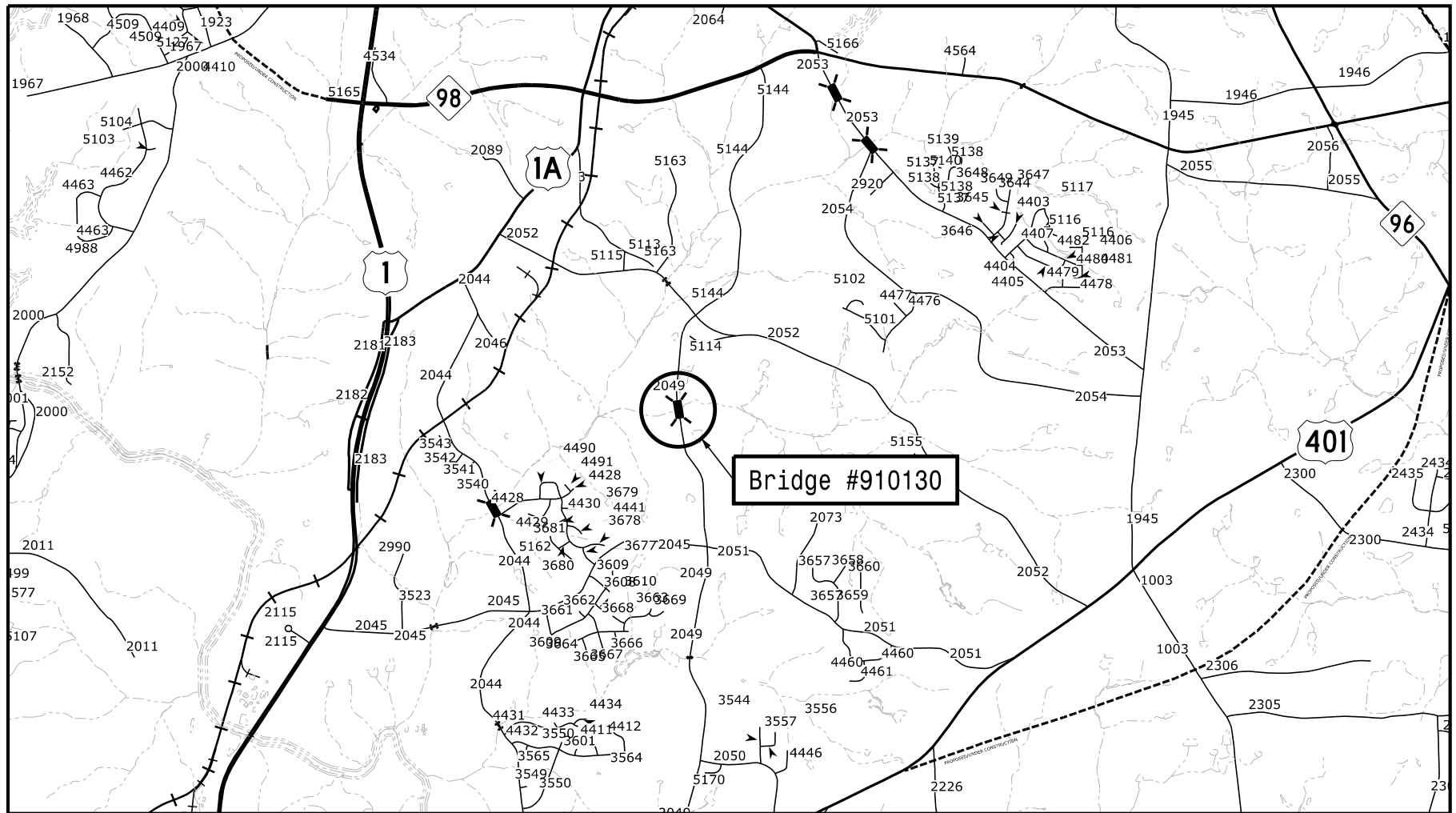
Bradley Reynolds

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	910130	Bridge #130 across Reedy Creek on SR 2049	35.93781473	-78.50737189



1"=5000'
SCALE

Bridge and Approach Investigation Checklist

Project 17BP.5.R.32

Description Bridge #130 over Sanford Creek on SR 2049

Route SR 2049 (Forestville Rd)

Division 5

County Wake

Existing Speed Limit 45 ☒ Posted ☐ Statutory

Reasonable & Comfortable Passenger Car Speed 45-50 mph

Speed Data N/A

Ball Bank Speed Study 45 mph: SB - 6-8

Warning Signs at Bridge Object Markers (OM-3L & OM-3R) - one located at each bridge corner
School (S1-1 & S4-3) - NB approach
School Zone pavement marking - NB approach
School Zone regulatory Speed Limit 35 (S4-1, R2-1, S4-3) - NB approach

Roadside Development Residential/Suburban. Thornrose subdivision in SW quadrant.
Heritage High School in NW quadrant. Fire Station #3 south of bridge.

ADT History 13800 vpd estimated north of bridge (@ intersection w/Rogers Rd)
from NCDOT TMC #10-2100, dated March 2010

Pedestrian/Bicycle Traffic One cyclist, no pedestrians observed.
Proposed Sanford Creek Greenway (Wake Forest) south of bridge.

Bridge and Approach Digital Photos Attached

Approach Lane Width 12'

Approach Shoulder Width: Varies from 4' to 8'±
Shoulder Type Grass

Lane Width (existing bridge) 10'

Shoulder width (existing bridge) 2'

Strategic Corridor / Thoroughfare Designation and Recommended Cross Section N/A, Local Secondary
2035 LRTP widening to 5 lane cross section (4 lanes with LT median),
project ID# A125a2.

Crash History and Safety Considerations Eleven reported collisions in a ten-year history (2/1/02 to 1/31/2012).
One collision on the bridge. Collision on bridge involved two pickups
sideswiping while travelling in opposite directions.

Comments Weight Limit signs not present.
Turn lanes north and south of bridge.
Consider a three lane cross section (2 lanes with LT median).

Reasonable Bridge Speed 45 mph

Investigated by: Elizabeth Harris, PhD, EI 3/27/12 Reviewed by: Bradley Reynolds, PE

County: Wake

Description: Bridge #130 over Sanford Creek

Route: SR 2049

SR 2049 (Forestville Rd) Northbound $\pm$ 350' from Bridge #130

SR 2049 (Forestville Rd) Northbound $\pm$ 75' from Bridge #130



SR 2049 (Forestville Rd) Southbound $\pm$ 200' from Bridge #130

SR 2049 (Forestville Rd) Southbound $\pm$ 50' from Bridge #130



County: Wake

Description: Bridge #130 over Sanford Creek

Route: SR 2049

Northbound view of Bridge #130 structure

SR 2049 (Forestville Rd) Northbound ± 250' from Bridge #130



Bridge Approach Speed Crash Analysis Request

Order # 41000018474

**500 feet on Both Sides of Bridge Number 130 on Secondary Route 2049 (Forestville Road)
over Reedy 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:** 41000018474
Location: 500 feet on Both Sides of Bridge Number 130 on Secondary Route 2049 (Forestville Road) over Reedy 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	101510067	0.500	10/05/2005 12:45	RAN OFF ROAD - RIGHT	\$ 70000	0	0	1	0	1	1	1	4	0	13	1
Unit	1 : 11	Alchl/Drgs:	0	Speed: 45 MPH Dir: N		Veh Mnvr/Ped Actn:				4	Obj Strk:					
2	102509840	0.500	02/02/2009 18:08	ANIMAL	\$ 1000	0	0	0	0	1	5	1	1	0	13	1
Unit	1 : 1	Alchl/Drgs:	0	Speed: 45 MPH Dir: N		Veh Mnvr/Ped Actn:				4	Obj Strk: 17					
3	102547171	0.533	02/16/2009 10:27	RAN OFF ROAD - RIGHT	\$ 5100	0	0	0	1	1	1	1	2	0	9	1
Unit	1 : 2	Alchl/Drgs:	0	Speed: 65 MPH Dir: N		Veh Mnvr/Ped Actn:				11	Obj Strk: 38					
4	102837046	0.550	03/18/2010 15:23	REAR END, SLOW OR STOP	\$ 2500	0	0	0	0	1	1	1	2	0	0	
Unit	1 : 1	Alchl/Drgs:	0	Speed: 0 MPH Dir: N		Veh Mnvr/Ped Actn:				1	Obj Strk:					
Unit	2 : 1	Alchl/Drgs:	0	Speed: 20 MPH Dir: N		Veh Mnvr/Ped Actn:				4	Obj Strk:					
5	103037383	0.557	11/16/2010 17:24	ANIMAL	\$ 4000	0	0	0	0	2	5	1	2	0		
Unit	1 : 4	Alchl/Drgs:	0	Speed: 45 MPH Dir: N		Veh Mnvr/Ped Actn:				4	Obj Strk: 17					
6	103106440	0.576	02/07/2011 19:50	ANIMAL	\$ 1500	0	0	0	0	2	5	2	3	0	0	
Unit	1 : 1	Alchl/Drgs:	0	Speed: 40 MPH Dir: N		Veh Mnvr/Ped Actn:				4	Obj Strk: 17					
7	103318181	0.576	12/01/2011 18:24	FIXED OBJECT	\$ 5200	0	0	0	0	1	5	1	3	0	13	1
Unit	1 : 1	Alchl/Drgs:	0	Speed: 45 MPH Dir: S		Veh Mnvr/Ped Actn:				4	Obj Strk: 58					
8	101579425	0.580	10/07/2005 13:10	RAN OFF ROAD - RIGHT	\$ 10000	0	0	0	2	2	1	3	4	0	0	
Unit	1 : 4	Alchl/Drgs:	0	Speed: 45 MPH Dir: N		Veh Mnvr/Ped Actn:				4	Obj Strk: 58					
9	102393214	0.597	09/04/2008 15:05	SIDESWIPE, OPPOSITE DIRECTION	\$ 850	0	0	0	0	1	1	1	1	0	13	1
Unit	1 : 2	Alchl/Drgs:	0	Speed: 45 MPH Dir: N		Veh Mnvr/Ped Actn:				4	Obj Strk:					
Unit	2 : 2	Alchl/Drgs:	0	Speed: 45 MPH Dir: S		Veh Mnvr/Ped Actn:				4	Obj Strk:					

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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
10	102393541	0.633	08/26/2008 08:02	LEFT TURN, DIFFERENT ROADWAYS	\$ 7300	0	0	0	2	2	1	3	3	0	1	1
Unit	1 : 1	Alchl/Drgs:	0	Speed: 45 MPH Dir: S		Veh Mnvr/Ped Actn:				4	Obj Strk:					
Unit	2 : 1	Alchl/Drgs:	0	Speed: 10 MPH Dir: E		Veh Mnvr/Ped Actn:				8	Obj Strk:					
11	102492145	0.633	12/18/2008 07:30	LEFT TURN, DIFFERENT ROADWAYS	\$ 4500	0	0	0	0	2	1	3	1	0	1	1
Unit	1 : 1	Alchl/Drgs:	0	Speed: 10 MPH Dir: E		Veh Mnvr/Ped Actn:				8	Obj Strk:					
Unit	2 : 1	Alchl/Drgs:	0	Speed: 35 MPH Dir: S		Veh Mnvr/Ped Actn:				4	Obj Strk:					

**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	11	100.00
Fatal Crashes	0	0.00
Non-Fatal Injury Crashes	4	36.36
Total Injury Crashes	4	36.36
Property Damage Only Crashes	7	63.64
Night Crashes	4	36.36
Wet Crashes	5	45.45
Alcohol/Drugs Involvement Crashes	0	0.00

Crash Severity Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	11	100.00
Fatal Crashes	0	0.00
Class A Crashes	0	0.00
Class B Crashes	1	9.09
Class C Crashes	3	27.27
Property Damage Only Crashes	7	63.64

Vehicle Exposure Statistics

Annual ADT = 4900

Total Length = 0.198 (Miles)

0.319 (Kilometers)

Total Vehicle Exposure = 3.54 (MVMT)

5.7 (MVKMT)

Crash Rate	Crashes Per 100 Million Vehicle Miles	Crashes Per 100 Million Vehicle Kilometers
Total Crash Rate	310.46	192.91
Fatal Crash Rate	0.00	0.00
Non Fatal Crash Rate	112.89	70.15
Night Crash Rate	112.89	70.15
Wet Crash Rate	141.12	87.69
EPDO Rate	1145.87	712.01

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

Miscellaneous Statistics

Severity Index =	3.69
EPDO Crash Index =	40.60
Estimated Property Damage Total = \$	111950.00

Accident Type Summary

Accident Type	Number of Crashes	Percent of Total
ANIMAL	3	27.27
FIXED OBJECT	1	9.09
LEFT TURN, DIFFERENT ROADWAYS	2	18.18
RAN OFF ROAD - RIGHT	3	27.27
REAR END, SLOW OR STOP	1	9.09
SIDESWIPE, OPPOSITE DIRECTION	1	9.09

Injury Summary

Injury Type	Number of Injuries	Percent of Total
Fatal Injuries	0	0.00
Class A Injuries	0	0.00
Class B Injuries	1	16.67
Class C Injuries	5	83.33
Total Non-Fatal Injuries	6	100.00
Total Injuries	6	100.00

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Monthly Summary

Month	Number of Crashes	Percent of Total
Jan	0	0.00
Feb	3	27.27
Mar	1	9.09
Apr	0	0.00
May	0	0.00
Jun	0	0.00
Jul	0	0.00
Aug	1	9.09
Sep	1	9.09
Oct	2	18.18
Nov	1	9.09
Dec	2	18.18

Daily Summary

Day	Number of Crashes	Percent of Total
Mon	3	27.27
Tue	2	18.18
Wed	1	9.09
Thu	4	36.36
Fri	1	9.09
Sat	0	0.00
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	0	0.00
0700-0759	1	9.09
0800-0859	1	9.09
0900-0959	0	0.00
1000-1059	1	9.09
1100-1159	0	0.00
1200-1259	1	9.09
1300-1359	1	9.09
1400-1459	0	0.00
1500-1559	2	18.18
1600-1659	0	0.00
1700-1759	1	9.09
1800-1859	2	18.18
1900-1959	1	9.09
2000-2059	0	0.00
2100-2159	0	0.00
2200-2259	0	0.00
2300-2359	0	0.00

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Strip Analysis Report

Light and Road Conditions Summary

Condition	Dry	Wet	Other	Total
Day	4	3	0	7
Dark	2	2	0	4
Other	0	0	0	0
Total	6	5	0	11

Object Struck Summary

Object Type	Times Struck	Percent of Total
ANIMAL	3	50.00
DITCH	2	33.33
OFFICIAL HIGHWAY SIGN BREAKAWAY	1	16.67

Vehicle Type Summary

Vehicle Type	Number Involved	Percent of Total
PASSENGER CAR	9	60.00
PICKUP	3	20.00
SINGLE UNIT TRUCK (3 OR MORE AXLES)	1	6.67
SPORT UTILITY	2	13.33

North Carolina Department of Transportation
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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	2	0	2	0
2006	0	0	0	0
2007	0	0	0	0
2008	3	0	1	2
2009	2	0	1	1
2010	2	0	0	2
2011	2	0	0	2
2012	0	0	0	0
Total	11	0	4	7

Injury Totals

Year	Fatal Injuries	Class A, B, or C Injuries
2002	0	0
2003	0	0
2004	0	0
2005	0	3
2006	0	0
2007	0	0
2008	0	2
2009	0	1
2010	0	0
2011	0	0
2012	0	0
Total	0	6

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	\$ 80000	16.80
2006	\$ 0	0.00
2007	\$ 0	0.00
2008	\$ 12650	10.40
2009	\$ 6100	9.40
2010	\$ 6500	2.00
2011	\$ 6700	2.00
2012	\$ 0	0.00
Total	\$ 111950	40.60

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	2	0	0	0
2006	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0
2008	2	0	0	0	0	1	0
2009	0	0	0	1	0	0	1
2010	0	0	1	0	0	0	1
2011	0	0	0	1	0	0	1
2012	0	0	0	0	0	0	0
Total	2	0	1	4	0	1	3

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Traffic Engineering Accident Analysis System
Strip Analysis Report**

Strip Diagram

Features	Milepost	Crash IDs
	0.500	101510067 102509840
	0.510	
	0.520	
	0.530	102547171
	0.540	
	0.550	102837046
	0.560	103037383
	0.570	
	0.580	103106440 103318181 101579425
BEGIN BRIDGE STRUCTURE	0.590	
Structure:910130	0.600	102393214
END BRIDGE STRUCTURE	0.610	
	0.620	
SONG SPARROW SR 4428	0.630	102393541 102492145
	0.640	
	0.650	
	0.660	
FOX WILD	0.670	
	0.680	
	0.690	
	0.700	

**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
41000018474	41000018474			76.8	8.4	4900	40002049

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 130 on Secondary Route 2049 (Forestville Road) over Reedy Creek	Kelly L. Becker, PE Capital Safety Region Raleigh NC

Included Accidents	Old MP	New MP	Type
101579425		0.58	I
102393541		0.633	I
102492145		0.633	I
102547171		0.533	I
102837046		0.55	I
103037383		0.557	I
103106440		0.576	I
102393214	0.3	0.597	I
103318181	999.999	0.576	I

Fiche Roads

Name	Code
SR 2049	40002049
FORESTVILLE	50010861

Strip Road

Name	Code	Begin MP	End MP	Miles	Kilometers
SR 2049	40002049	0.498	0.696	0.198	0.319

**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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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

**North Carolina Department of Transportation
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