

# School-Focused Road Safety Assessment

# VANDORA SPRINGS ELEMENTARY SCHOOL

Pilot Project Report November 19, 2021







Wake County Health & Human Services



Created through a partnership between the North Carolina Department of Transportation, Safe Routes to School Wake County, and the Capital Area Metropolitan Planning Organization



With special thanks to the Town of Garner

## School-Focused Road Safety Assessment

# Vandora Springs Elementary School

Pilot Project Report

# Road Safety Audit Team & Partners

#### Town of Garner Staff

- 1. Chris Johnson, Town Engineer
- 2. Leah Harrison, Assistant Town Engineer
- 3. Gabriela Lontos-Lawlor, Senior Planner
- 4. Thomas Bradley, Public Works
- 5. Officers Josh Hammond and Mike Medlin

#### North Carolina Department of Transportation (NCDOT)

- 1. Brian Mayhew, State Traffic Safety Engineer, Traffic Safety Unit
- 2. Brian Murphy, Safety Planning Engineer, Traffic Safety Unit
- 3. Daniel Carter, Safety Planning Engineer, Traffic Safety Unit

#### Safe Routes to School (SRTS) Wake County

1. Jennifer Delcourt, SRTS Coordinator, Wake County Health & Human Services

#### Capital Area Metropolitan Planning Organization (CAMPO)

1. Kenneth Withrow, Senior Transportation Planner

#### Wake County Public School System (WCPSS)

- 1. Joy Mylin, Senior Administrator/Routing Manager, WCPSS
- 2. Karen Stapleton, Routing Specialist, WCPSS
- 3. Rhonda Curtis, Principal, Vandora Springs Elementary School
- 4. Carey Johnson, Parent, Vandora Springs Elementary School

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# TABLE OF CONTENTS

# ROAD SAFETY AUDIT TEAM & PARTNERS

Background	
RSA Site Profile	5
Assessment Findings	9
Issues and Concerns	10
Recommendations	11
Next Steps	11
Appendices	11
LIST OF TABLES & FIGURES	
Table 1. How VSES Students Get to School	6
Figure 1. No Transport Zone Map	6
Figure 2. Annual Average Daily Traffic Map	7
Figure 3. Bicycle and Pedestrian Crash Map	8
Figure 4. Total Crashes Map	8
Figure 5. Map of Field Review Route	9
Table 2. Recommendations	11

#### **BACKGROUND**

In early 2021, CAMPO and SRTS staff began working with staff in NCDOT's Traffic Safety Unit to develop a pilot project that would adapt Road Safety Audit (RSA) techniques for specific application to Safe Routes to School and supporting safe walking and rolling around schools.

#### **GOALS**

- 1. To develop a process for evaluating safety and comfort of infrastructure around prioritized schools, identify solutions that decrease fatalities and serious injuries and increase safety and comfort, and identify funding options.
- 2. To build relationships and help partner organizations meet annual safety targets.
- 3. To empower local governments, schools, and neighborhoods to make walking and rolling to school a safer and easier option for more students.

#### S.T.E.P. TRAINING

On September 29, NCDOT hosted a training on the Federal Highway Administration's Safe Transportation for Every Pedestrian (STEP) Program. RSA team members were invited to participate in this training, which provided information on how and why to conduct RSAs and included field exercises as well as discussion. This training laid the groundwork for the Vandora Springs Elementary School RSA on November 19.

#### **SCHOOL SELECTION**

A call for applications was issued in August 2021 to municipal staff in Wake County. The RSA planning team invited each municipality to submit one school for consideration. The team requested that applicants illustrate why municipal staff believe the selected school to be the best candidate for an

RSA, and provide information about the school, including how many students currently walk and bike to school. Five schools were submitted for consideration and the RSA planning team reviewed each submission and conducted additional research to determine crash history, average daily traffic, and other important information.

The RSA planning team chose Vandora Springs Elementary School (VSES), submitted by staff at the Town of Garner, as the site for the RSA pilot project. VSES was chosen due to the strength of the Town of Garner's application, and the fact that the school community has been very vocal about their need for a safe way to walk to their school (latent demand). The RSA workshop with site field review was conducted at Garner Town Hall on November 19, 2021.

#### **RSA SITE PROFILE**

About the School



Image from rodgersbuilders.com

"Established in 1959, Vandora Springs is a pillar in the Garner Community. In addition to providing a safe place for generations of children to learn, grow, and play during and after the school day, we also prioritize community and life-long healthy habits. Our school community strongly believes that families who live within walking/biking distance, should be able to safely walk/bike to school on a regular basis. Right now, it simply is not safe for students who live just across the street or in the connecting neighborhoods to walk / bike to school."

~ Principal Rhonda Curtis

Table 1									
How VSES Students Get to School									
Carpool*	212	39%							
School Bus	146	27%							
Walker	20	4%							
Daycare	39	7%							
Vendor	10	2%							
YMCA	35	6%							
TOTAL	542								

\*The carpool number represents families rather than students and each family may have more than one child. As a result, the numbers here do not add up to 542.

- School hours are 8:30 AM to 3:00 PM.
- Campus was renovated in 2017 and NCDOT resurfaced Vandora Springs Rd around this time.
- There used to be a crosswalk & crossing guard located at Woodland Dr & Vandora Springs Rd. and the crosswalk was removed by NCDOT in 2017. As a result, the police department removed the crossing guard.
- There is latent demand from families that live on the north side of Vandora Springs Rd. that have expressed to the principal their desire to be able to safely cross Vandora Springs Rd. and walk or bike to and from school.
- Carpool stacking length seems to be sufficient to prevent lines of vehicles from backing up on to the street, which happens rarely. The entrance and exit of carpool lanes are separate. Neither has restrictions on right or left turns at any time.
- Jaycee Park abuts the back side of the school campus on Sycamore Dr., but there is no clear access point between the park and campus. The school has a joint use agreement (JUA) with the Town of Garner for Jaycee Park.
- There are several other programs at the school, including a YMCA after-school program and a summer learning program that serves several elementary schools.

- In 2021, the school launched their first Girls on the Run program.
- Members of the community use the school's basketball court and track on a daily basis.

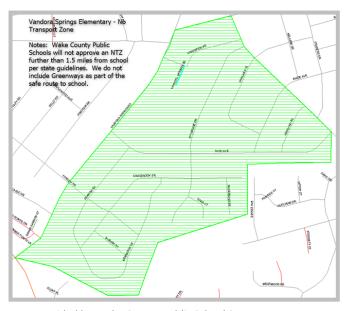
"There are many children around VSE that would love to be able to walk or ride their bikes to school, but because we don't have a safe route to school, these kids are not able to enjoy that privilege. I'd love for all kids who want to walk to be able to do so safely."

~ Carey Johnson, VSES Parent

#### No Transport Zone

NTZ (No Transport Zone) was revised going into the 2021-2022 school year. Neighborhoods on the west side of Vandora Springs Road were removed from the NTZ due to a lack of infrastructure, such as sidewalks, crosswalks, stop lights, and crossing guards. The current boundaries of the NTZ are shown in the image below.

Figure 1: Vandora Springs Elementary School Transport (NTZ)



Map provided by Wake County Public School System

#### Roadway & Intersection Characteristics

The study corridor was a 0.5 mile section of Vandora Springs Rd. between Vandora Ave. and Fowler Dr. Significant sections and intersections are described in the next column..

#### Vandora Springs Road

- ⇒ Major Collector/minor arterial classification owned and maintained by NCDOT
- ⇒ Two-lane undivided roadway with sections of center turn lane
- ⇒ Planned cross-section includes 3-lane road with on-road bike lanes (no current timeline or funding)
- ⇒ Includes partial areas of widening with curb and sidewalk, remaining areas have shoulder with ditches

#### Woodland Road

- ⇒ Major Collector classification, owned and maintained by NCDOT
- ⇒ Two-lane undivided roadway, ditches on both sides
- ⇒ Projected to become a 3- lane road with bike lanes
- ⇒ Carries a lot of traffic from motorists entering or leaving town

#### Intersections

- ⇒ There are no signalized intersections within the study area; the intersections are stop controlled on the side-streets. Traffic signals are present at Foxwood Dr to the north and Timber Dr to the south.
- ⇒ Vandora Springs Rd at Woodland Drive intersection is a three-way intersection with a stop sign control on Woodland. A church sits on the northwest corner of the intersection.
- ⇒ Vandora Springs Rd. at Park Ave is a three-way intersection with a stop sign control on Park Ave. A crosswalk on Vandora Springs Rd is located on the north side of the intersection. There is sidewalk on the east side of the Vandora Springs Rd. at the intersection.
- ⇒ Vandora Springs Rd at Fowler Drive is a four-way intersection with stop sign control on Fowler Dr. in both directions. Fowler Dr. has no sidewalks and Vandora Springs only has sidewalk on the south side. There are no crosswalks.

#### Speed

Posted speed limit on the Vandora Springs corridor is 35 mph. School speed zone posted limit is 25 mph between the hours of 8:00 - 9:00 AM and 2:30 – 3:30 PM with flashing lights. NCDOT reported that average operating speeds on Vandora Springs Road are 28-33 mph.

#### Traffic Volume

The most current Annual Average Daily Traffic (AADT) volume data from 2019 shows that Vandora Springs Road carries between 5,000 and 7,000 vehicles per day in the section of interest. Woodland Road carries 2,800 vehicles per day near its intersection with Vandora Springs.

Figure 2: Annual Average Daily Traffic (ADDT)

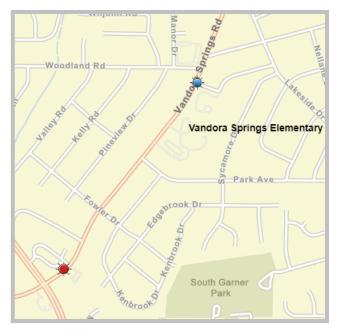


Map provided by NCDOT

#### **Crash History**

Pedestrian and bicycle crash data from 2007 to 2020 show that there has been one pedestrian crash and one bicycle crash near the school in that time period. The bicycle crash involved a motorist failing to yield and striking an adult bicyclist at the intersection of Vandora Springs and Frederick. The pedestrian crash was farther south, near the intersection with Timber Drive, and involved a person struck while dealing with a disabled vehicle. A full crash report is included in the appendix of this report.

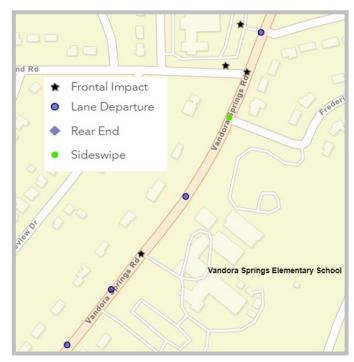
Figure 3: Bicycle Crashes, 2007-2020



Map provided by NCDOT

Total crash data (involving any parties, not just pedestrian or bicyclists) from 2016 to 2020 show that there have been nine crashes near the school as shown in the map in the next column.

Figure 4: Total Crash Data, 2016-2020



Map provided by NCDOT

#### Transit

Currently, the only transit service near Vandora Springs Elementary School is GoRaleigh Route 20, which runs along Vandora Springs Road from 7th Ave to West Garner Road.

#### **FUTURE PLANS**

Core team members reviewed applicable planning documents to identify additional information about the Vandora Springs Road corridor and future planned projects that might affect the study area. These plans included: Garner Forward Comprehensive Plan, Garner Forward Transportation Plan, and CAMPO 2050 Metropolitan Transportation Plan. The Town Planning Department is currently working on a sidewalk inventory and process to prioritize sidewalk construction, and will begin development of a Pedestrian Plan in early 2022.

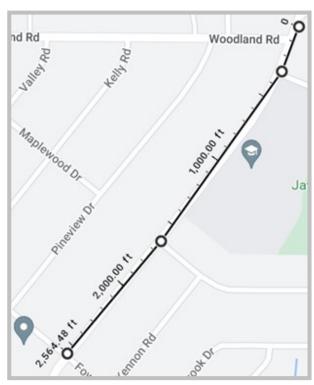
- Sidewalk is programmed for Vandora Springs Rd on West side
- Sidewalk planned for both sides of Woodland Rd, probably will happen in conjunction with future road widening, so timeframe undetermined.
- Specific crossing requirements were not identified through the Town's Transportation Plan, but a safe crossing across Vandora Springs Rd needs to be installed.
- Vandora Springs Rd is a major collector planned to eventually be a 3 lane road with on-street bike lanes on both sides.

#### ASSESSMENT FINDINGS

#### FIELD VISIT OVERVIEW

The RSA team walked from Garner Town Hall down Vandora Springs Rd to Vandora Springs Elementary School at 11am on the day of the RSA workshop. The team focused attention on the intersections immediately adjacent to the school on Vandora Springs Rd, as well as the stretch of Vandora Springs Rd between Woodland Rd and Park Ave.

Figure 5: Map of Field Review Route



Map from Google Maps

#### **POSITIVE FEATURES**

#### Corridor-wide

School zone speed limit is 25mph and there are flashing solar-powered speed signs on each side of the school zone, as well as school zone striping on the pavement. Sight distance is good in all but one direction (looking south from Woodland as the road rises).



Image from Google Maps

# Spring Dr to Woodland Rd n/a

#### Woodland Rd Intersection

High visibility pedestrian crossing signs have been installed near the intersection of Vandora Springs Road and Woodland Rd.

#### Woodland Rd to Park Ave..

There is continuous sidewalk on the eastside of Vandora Springs Road which connects to a path on the school campus leading to the front entrance, separate from vehicular traffic.



Photo of stairwell connecting Vandora Springs Rd sidewalk to campus sidewalk taken by Jennifer Delcourt

#### **ISSUES & CONCERNS**

#### Corridor-wide:

- There are no enhanced marked crossings for 1.2 miles across Vandora Springs Rd, including through the study area.
- Some vehicle speeds seemed to be above the posted speed limit of 35 mph.

#### Spring Dr to Woodland Rd

- A portion of the northbound lane on Vandora Springs Rd is approximately 18' wide with curb and gutter, beginning at Vandora Ave until a striped center lane emerges just before Lakeside Drive. The southbound lane is 9' with shoulder striping and ditch. Several team members have observed vehicles speeding to pass each other in the single northbound lane.
- Sidewalk is present on the east side of the road only.



Screenshot taken from Google maps, showing Vandora Springs Road where northbound lane becomes wider.

#### Woodland Rd Intersection

- There is no marked crossing of Vandora Springs Rd north of the school. A marked crossing was removed from the intersection of Vandora Springs Rd at Woodland Rd in 2017.
- There are no sidewalks along Woodland Rd; the shoulders are narrow, and worn paths are visible in some places on both sides of the roadway.
- There is poor sight distance at the intersection of Vandora Springs Rd & Woodland Ave looking south due to the crest and curve in the road in front of the school.

- The geometry of the Vandora Springs Road and Woodland Drive intersection is widest at the northwest corner, making it an easy turn that allows vehicles to maintain speed (see photo).
- There is a new high-visibility pedestrian warning sign on the north side of the Vandora Springs & Woodland Drive intersection, but there are no crossing facilities.



Photo of intersection of Woodland Drive and Vandora Springs Road taken by Jennifer Delcourt

#### Woodland Rd to Park Ave

There is a crosswalk on Vandora Springs Rd south of the school at Park Ave. It has no curb ramps and connects to sidewalk only on the east side of Vandora Springs Rd. (See photo)



Photo of crosswalk on Vandora Springs Road at Park Ave, screenshot taken from Google Maps

#### **OTHER OBSERVATIONS**

- Field visit took place after morning drop-off and before school dismissal, so no children could be observed. However, the participating parent described where students and adults usually cross at Vandora Springs Rd and Woodland Dr.
- Observed one adult pedestrian during the time of the field visit on a chilly day (Friday, Nov 19) around 12pm. Note: Additional observations concerning other parts of the corridor are included in Appendix 6.

# **RECOMMENDATIONS**

Table 2

Location	Identified Issue	Potential Countermeasures	Priority	Cost	Agency Lead
Corridor-wide	Lack of data on how many people walk & bike	Coordinate bike/ped Counts to support sidewalk and crossing improvement assessments	Near term (less than 2 years)	Low	NCDOT
Corridor-wide	Absence of an enhanced crossing on Vandora Springs Rd	Assess locations for an enhanced crossing to provide access to the school (a proposed crossing diagram is included in Appendix 7)	Mid-term (2-5 years)	Med-high	Town of Garner
Corridor-wide	Travel speeds above posted limits on Vandora Springs Rd	Narrowing of wide northbound lane	Near Term (less than 2 years)	Low	Town of Garner & NCDOT
Spring Dr to Woodland Rd	Vehicle passing in no-passing areas	Reallocation of travel lanes that may include cross-hatching center lanes to reduce lane width, add bike lane, other paint solutions to reduce lane width	Near term (less than 2 years)	Low	Town of Garner & NCDOT
Woodland Rd	Pedestrians walking along shoulder on Woodland Rd	Add sidewalks along Woodland Rd	Mid-term (2-5 years)	TBD	Town of Garner
Vandora Springs Rd to Park Ave	Existing unenhanced crossing	Evaluate crosswalk location at Park Ave to determine if it should be removed, relocated, or enhanced.	Short-term (less than 2 years)	Low	Town of Garner & NCDOT

# Agenda

#### Vandora Springs Elementary Road Safety Audit

Garner Town Hall

Friday, November 19, 2021



- 8:30 am Introductions
- 8:45 am Morning Presentations
  - Overview of Safe Routes to School
  - RSA Structure, Purpose & Goals
  - Data & Map Review
- 10:00 am Conduct Field Review at Vandora Springs Elementary School
- 10:30 am Meet with Officer Simpson
- 11:30 am Meet with Principal Curtis
- 12:30 pm LUNCH (La Roma Pizza)
- 1:30 pm Afternoon Discussion & Planning
  - Review map & record observations
  - Discuss possible solutions & countermeasures
  - Create draft action plan & identify next steps

3:00 pm - ADJOURN

#### Workshop PowerPoint Presentation



**Introductions** Name Organization/role + what does your org do? assessments assessments What do you think success looks like for this RSA?

2

4

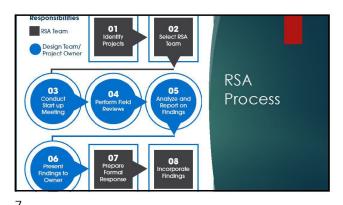


▶ Started in 2005 North ▶ Housed at NCDOT Integrated Mobility Carolina Division (IMD) Safe Routes » State Coordinator – Ed Johnson to School Funding Source: TAP – Federal Transportation Alternatives Program > Funds non-infrastructure grants (does not currently fund infrastructure) > Competitive grant process for eligible orgs ▶ Focuses on grades K-8 and projects within 2 miles of schools



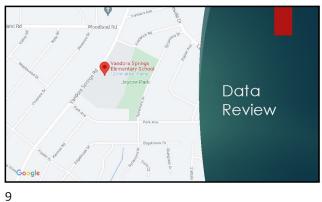
RSA Objectives Enhance understanding about crash risk and unique vulnerabilities of pedestrians Engage with a variety of stakeholders to expand perspectives on pedestrian safety needs Identify and prioritize specific locations, along a set of select roadways in the area, where crash risk may be highest for pedestrians Discuss potential countermeasures and safety improvements for priority locations

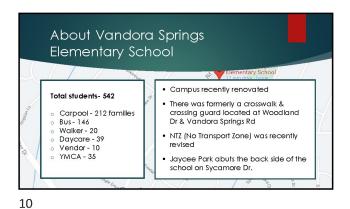
#### Workshop PowerPoint Presentation



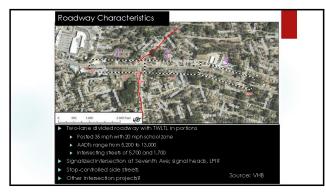


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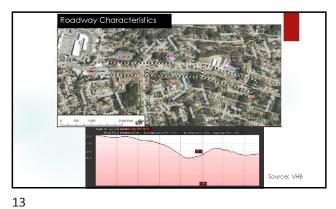


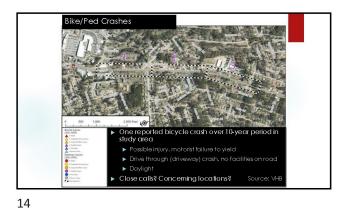


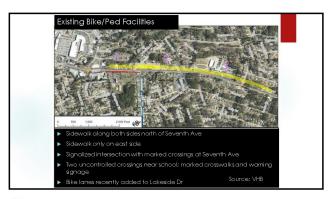




# Workshop PowerPoint Presentation



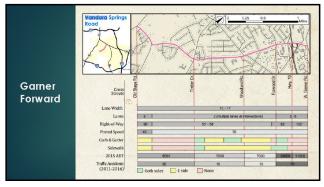




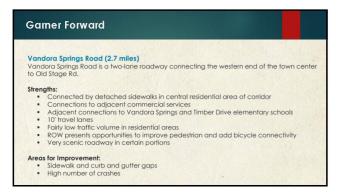


15 16



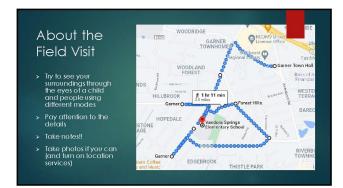


#### Workshop PowerPoint Presentation





19 20





21 22

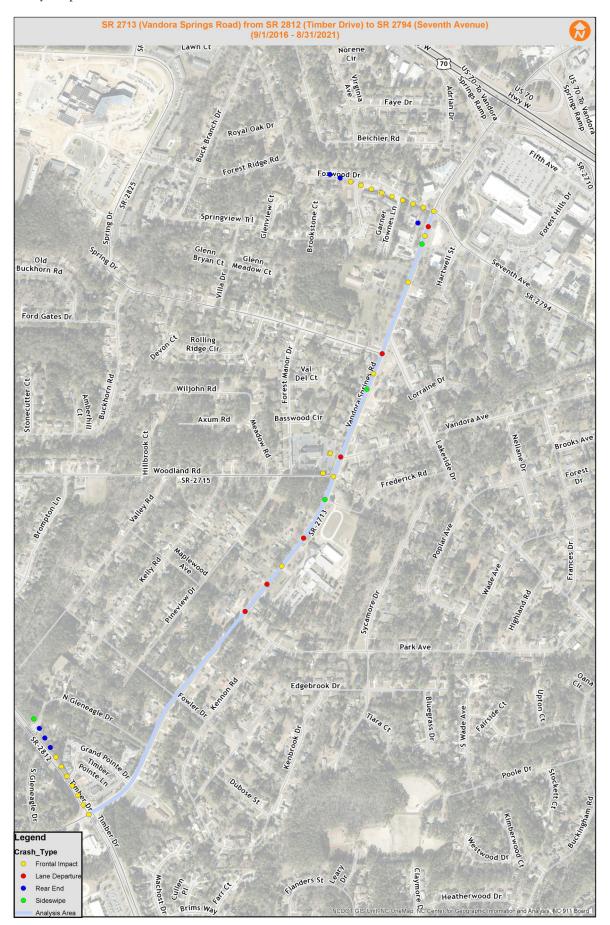




# Workshop PowerPoint Presentation



#### Crash History Map



#### **Study Criteria Summary**

All and Rural County: City: Date: 09/01/2016 **to** 08/31/2021 Study: 41000065724

SR 2713 (Vandora Springs Road) from SR 2812 (Timber Drive) to SR 2794 (Seventh Avenue) Location:

#### **Report Details**

Acc				Total	Injuries Condition Road Trfc Ctl
No	Crash ID	Milepost Date	Accident Type	Damage	F A B C R L W Ch Ci Dv Op
1	104839476	0.680 09/01/2016 15:43	ANGLE	\$ 28000	1 0 1 6 1 1 1 1 0 3 1
Unit	1:1	Alchl/Drgs: 1	Speed: 45 MPH Dir:	s v	Veh Mnvr/Ped Actn: 4 Obj Strk: 34
Unit	<b>2</b> : 1	Alchl/Drgs: 0	Speed: 45 MPH Dir:	w ı	Veh Mnvr/Ped Actn: 4 Obj Strk:
Unit	3:1	Alchl/Drgs: 0	Speed: 45 MPH Dir:	w ı	Veh Mnvr/Ped Actn: 4 Obj Strk:
Unit	4:1	Alchl/Drgs: 0	Speed: 25 MPH Dir:	sw v	Veh Mnvr/Ped Actn: 8 Obj Strk:
Unit	5:1	Alchl/Drgs: 0	Speed: 0 MPH Dir:	N N	Veh Mnvr/Ped Actn: 1 Obj Strk:
Unit	6:1	Alchl/Drgs: 0	Speed: 0 MPH Dir:	N '	Veh Mnvr/Ped Actn: 1 Obj Strk: 18
2	104860272	0.680 09/23/2016 18:08	ANGLE	\$ 23000	0 0 0 2 1 1 1 1 0 3 1
Unit	<b>1</b> : 1	Alchl/Drgs: 0	Speed: 15 MPH Dir:	SE V	Veh Mnvr/Ped Actn: 8 Obj Strk:
Unit	<b>2</b> : 4	Alchl/Drgs: 0	Speed: 45 MPH Dir:	E '	Veh Mnvr/Ped Actn: 4 Obj Strk:
3	105285511	0.680 11/09/2017 16:16	ANGLE	\$ 15500	0 0 1 0 2 1 3 3 0 3 1
Unit	1:1	Alchl/Drgs: 0	Speed: 15 MPH Dir:	s v	Veh Mnvr/Ped Actn: 8 Obj Strk:
Unit	2:1	Alchl/Drgs: 0	Speed: 45 MPH Dir:	N N	Veh Mnvr/Ped Actn: 4 Obj Strk:
Unit	3:4	Alchl/Drgs: 7	Speed: 0 MPH Dir:	W 1	Veh Mnvr/Ped Actn: 1 Obj Strk:
4	105522416	0.680 06/25/2018 15:57	REAR END, SLOW OR STOP	\$ 1600	0 0 0 0 1 1 1 1 0 3 1
Unit	1: 2	Alchl/Drgs: 0	Speed: 15 MPH Dir:	W I	Veh Mnvr/Ped Actn: 4 Obj Strk:
Unit	<b>2</b> : 2	<b>Alchi/Drgs:</b> 0	Speed: 0 MPH Dir:	w ,	Veh Mnvr/Ped Actn: 1 Obj Strk:
5	105564543	0.680 08/07/2018 04:59	ANGLE	\$ 2000	0 0 0 2 1 5 1 3 7 3 2
Unit	1:1	Alchl/Drgs: 0	Speed: 20 MPH Dir:	N N	Veh Mnvr/Ped Actn: 4 Obj Strk:
Unit	2:1 	Alchl/Drgs: 0	Speed: 15 MPH Dir:	_ w _ <u>'</u>	Veh Mnvr/Ped Actn: 4 Obj Strk:
6	105625361	0.680 09/27/2018 18:56	ANGLE	\$ 8500	0 0 0 0 2 4 3 1 0 3 1
Unit	<b>1</b> : 1	AlchI/Drgs: 0	Speed: 20 MPH Dir:	N N	Veh Mnvr/Ped Actn: 8 Obj Strk:
Unit	2:1	Alchl/Drgs: 0	Speed: 45 MPH Dir:	W I	Veh Mnvr/Ped Actn: 4 Obj Strk:
7	105958027	0.680 08/02/2019 18:35	RIGHT TURN, SAME ROADWAY	\$ 2000	0 0 0 0 2 1 3 1 0 3 1
Unit	1: 4	Alchl/Drgs: 0	Speed: 25 MPH Dir:	s v	Veh Mnvr/Ped Actn: 4 Obj Strk:

10/28/2021

All data presented in this report comes explicitly from the Traffic Engineering Accident Analysis System based upon vi criteria provided by the report's creator. The onus is strictly upon the user of this report to exercise due diligence in in and further representing this data.

Α				T. ( )	Injuries	Condition	Road Trfc C
Acc No	Crash ID	   Milepost   Date	Accident Type	Total	F A B C	R L W	Ch Ci Dv O
0.00			Accident Type	Damage			
Unit	2:1	Alchl/Drgs: 0	Speed: 15 MPH Dir:	S 	Veh Mnvr/Ped Actn	: 7 ( 	Obj Strk:
8	105962687	0.680 08/15/2019	REAR END, SLOW OR	\$ 3000	0 0 0 0	1 1 1	1 0 3 1
		17:51	STOP	,			
Unit	1:4	Alchl/Drgs: 0	Speed: 20 MPH Dir:	S	Veh Mnvr/Ped Actn	: 1	Obj Strk:
Unit	2:1	AlchI/Drgs: 0	Speed: 0 MPH Dir:	S	Veh Mnvr/Ped Actn	: 1 (	Obj Strk:
9	106056688	0.680 11/07/2019 09:52	REAR END, SLOW OR STOP	\$ 300	0 0 0 0	1 1 1	1 0 3 1
Unit	1:1	Alchl/Drgs: 0	Speed: 15 MPH Dir:	SW	Veh Mnvr/Ped Actn	: 4 (	Obj Strk:
Unit	<b>2</b> : 2	Alchl/Drgs: 0	Speed: 0 MPH Dir:		Veh Mnvr/Ped Actn		Obj Strk:
							. <u>í</u>
10	106300363	0.680 08/08/2020	ANGLE	\$ 35000	0 0 1 0	1 4 2	2 0 3 1
		22:00		_			
Unit	1: 2	Alchi/Drgs: 0	Speed: 0 MPH Dir:		Veh Mnvr/Ped Actn		Obj Strk:
Unit	<b>2</b> :5	Alchl/Drgs: 0	Speed: 45 MPH Dir:	E	Veh Mnvr/Ped Actn	: 4 (	Obj Strk: 34
11	106387544	0.680 10/23/2020	LEFT TURN, SAME	\$ 500	0 0 0 0	1 3 1	1 0 3 2
		20:21	ROADWAY	• 000			
Unit	1:2	AlchI/Drgs: 0	Speed: 45 MPH Dir:	S	Veh Mnvr/Ped Actn	: 4	Obj Strk:
Unit	<b>2</b> : 5	Alchl/Drgs: 0	Speed: 45 MPH Dir:	NW	Veh Mnvr/Ped Actn	: 8 (	Obj Strk:
12	105614494	1.130 12/03/2016 03:00	RAN OFF ROAD - RIGHT	\$ 40	0 0 0 0	1 4 1	3 12 13 1
Unit	<b>1</b> : 32	Alchl/Drgs: 7	Speed: 0 MPH Dir:	S	Veh Mnvr/Ped Actn	: 4 (	Obj Strk: 60
							·
13	105614737	1.190 11/02/2017	RAN OFF ROAD -	\$ 850	0 0 0 0	1 1 1	1 0 0
		07:43	RIGHT				
Unit	1:1	Alchl/Drgs: 0	Speed: 35 MPH Dir:	S	Veh Mnvr/Ped Actn	: 4 (	Obj Strk: 55
14	106027721	1.230 10/16/2019	LEFT TURN,	\$ 2000	0 0 0 0	2 1 3	1 0 1 1
14	10002//21	08:25	DIFFERENT ROADWAYS	Ψ 2000	0 0 0 0	2 1 3	1 0 1 1
Unit	1: 32	Alchl/Drgs: 7	Speed: 0 MPH Dir:	S	Veh Mnvr/Ped Actn	: 5 (	Obj Strk:
Unit	<b>2</b> : 1	Alchl/Drgs: 0	Speed: 5 MPH Dir:	sw	Veh Mnvr/Ped Actn	: 8 (	Obj Strk:
15	105656231	1.291 10/29/2018 14:40	RAN OFF ROAD - RIGHT	\$ 18050	0 0 1 0	1 1 1	1 0 0
11	4 . 5			147	Mala Marria/Dayl Anto		Objectator 24
Unit	1:5	Alchl/Drgs: 5	<b>Speed:</b> 45 MPH <b>Dir:</b>	- W	Veh Mnvr/Ped Actn	: 4 ( 	<b>Obj Strk:</b> 34
16	106435648	1.367 12/12/2020	SIDESWIPE, SAME	\$ 2000	0 0 0 0	1 4 1	1 0 13 1
		19:13	DIRECTION				
Unit	1:2	Alchl/Drgs: 0	Speed: 35 MPH Dir:	S	Veh Mnvr/Ped Actn	: 4 (	Obj Strk:
Unit	<b>2</b> : 4	Alchl/Drgs: 0	Speed: 0 MPH Dir:	S	Veh Mnvr/Ped Actn	: 8	Obj Strk:

# Crash History Details Report

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

										_			_	0000						
Acc									Total		Inju	ıries		Co	ndi	tion	Ro	ad	Trfc	Ctl
No	Crash ID	Milepost D	ate	Acc	ident	Туре	:	Da	amage	F	Α	В	С	R	L	W	Ch	Ci	Dν	Op
17	105300586		5/2017 ):59	LEFT TUI		DADW	/AYS	\$	2000	0	0	0	0	1	1	1	1	0	1	1
Unit	1:4	Alchl/Drgs:	0	Speed:	0	MPH	Dir:	Е		Veh	Mnvr	/Ped	Actn:		8	0	bj St	rk:		
Unit	2:1	Alchl/Drgs:	0	Speed:	35	MPH	Dir:	s		Veh	Mnvr	/Ped	Actn:		4	0	bj St	rk:		
														_						
18	106070563		/2019 3:19	LEFT TUI	,	NDAC	/AYS	\$	3800	0	0	0	0	1	1	1	1	0	1	1
Unit	1:4	Alchl/Drgs:	0	Speed:	15	MPH	Dir:	N۱	N	Veh	Mnvr	/Ped	Actn:		8	0	bj St	rk:		
Unit	<b>2</b> : 5	Alchl/Drgs:	0	Speed:	5	MPH	Dir:	Е		Veh	Mnvr	/Ped	Actn:		8	0	bj St	rk:		
<b></b> 19	105581479		<b>– – – –</b> 5/2018 7:47	RAN OFF	ROA	– – – D -		<b>\$</b>	2600	 0	0	0	0	1	1	1	 1	0	1	1
Unit	1:1	Alchl/Drgs:	0	Speed:	35	MPH	Dir:	S		Veh	Mnvr	/Ped	Actn:		4	o	bj St	rk:	35	
Unit	<b>2</b> : 2			Speed:		MPH		N۱	Ν				Actn:		8		bj St			
														_						
20	104995810	1.445 02/03 07	3/2017 7:04	LEFT TUI		DADW	/AYS	\$	1000	0	0	0	0	2	1	2	3	0	1	1
Unit	<b>1</b> : 2	Alchl/Drgs:	0	Speed:	35	MPH	Dir:	S		Veh	Mnvr	/Ped	Actn:		4	0	bj St	rk:		
Unit	<b>2</b> : 5	Alchl/Drgs:	0	Speed:	25	MPH	Dir:	W		Veh	Mnvr	/Ped	Actn:		8	0	bj St	rk:		
														_					-	
21	105190155		5/2017 D:46	SIDESWI		AME		\$	6000	0	0	0	0	1	1	2	1	0	0	
Unit	1:1	Alchl/Drgs:	7	Speed:	0	MPH	Dir:	Ν		Veh	Mnvr	/Ped	Actn:		3	0	bj St	rk:		
Unit	2:1	Alchl/Drgs:	0	Speed:	30	MPH	Dir:	Ν		Veh	Mnvr	/Ped	Actn:		4	0	bj St	rk:		
22	106190023		 /2020 :32	ANGLE				<b></b> \$	<b>8500</b>	 0	0	1	0	2	<b>-</b> -	2	 1	0	0	
Unit	1:4	Alchl/Drgs:	0	Speed:	10	MPH	Dir:	S		Veh	Mnvr	/Ped	Actn:		9	0	bj St	rk:		
Unit	<b>2</b> : 5	Alchl/Drgs:	0	Speed:	35	MPH	Dir:	S		Veh	Mnvr	/Ped	Actn:		6	o	bj St	rk:		
				·										_						
23	105205742	1.639 08/29 15	)/2017 5:12	RAN OFF STRAIGH		D -		\$	1400	0	0	0	0	1	4	1	1	0	1	1
Unit	<b>1</b> : 1	Alchl/Drgs:	7	Speed:	35	MPH	Dir:	Ε		Veh	Mnvr	/Ped	Actn:		4	0	bj St	rk:		
24	105997520	1.770 09/17 13	<b></b> 7/2019 3:04	LEFT TUI		 NDAC	/AYS	\$	<b>– – –</b> 12500	0	0	1	0	1	1	1	1	0	1	1
Unit	1:1	Alchl/Drgs:	0	Speed:	25	MPH	Dir:	Ε		Veh	Mnvr	/Ped	Actn:		8	0	bj St	rk:		
Unit	<b>2</b> : 4	Alchl/Drgs:	0	Speed:	35	MPH	Dir:	S		Veh	Mnvr	/Ped	Actn:		4	0	bj St	rk:		
<b>- -</b> 25	 105776822		 5/2019 5:43	SIDESWI		– – – AME		\$	<b></b> 600	 o	 o	0	0	2	<b></b> 4	 1	 1	 o	0	-1 -1
Unit	1:2	Alchl/Drgs:	0	Speed:	15	MPH	Dir:	NE	≣	Veh	Mnvr	/Ped	Actn:		5	O	bj St	rk:		
Unit	<b>2</b> : 2	Alchl/Drgs:	0	Speed:	30	MPH	Dir:	NE	≣.	Veh	Mnvr	/Ped	Actn:		4	o	bj St	rk:		
														_						

# Crash History Details Report

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

				1	ciip	Anai	y 010	T		_				_		141			T.	. 041
Acc				_				1000	Total	-		uries	1	-	_	ition	-	ad	Trfc	
No	Crash ID	Milepost	Date		cider	t Type	9		amage	F	100 000	В	С	R	<u>  L</u>	W	Ch		Dv	Op
26	106167420	1.853	02/25/2020 16:27	ANGLE				\$	3500	0	0	0	0	1	1	1	1	0	0	
Unit	<b>1</b> : 1	Alchi/Dr	<b>gs:</b> 0	Speed:	5	MPH	Dir:	Ν		Veh	Mnvr	/Ped	Actn:		8	C	Obj St	trk:		
Unit	2: 4 	Alchi/Dr	gs: 7	Speed:	10	MPH	Dir:	SI 	E ———	Veh	Mnvr	/Ped	Actn:		7 <b>–</b> –		Obj S1 — —	trk:		
27	105529644	1.872	06/30/2018 11:20	REAR E STOP	ND, S	SLOW	OR	\$	13000	0	0	0	1	1	1	1	1	0	0	
Unit	1:4	Alchi/Dr	gs: 7	Speed:	35	MPH	Dir:	S		Veh	Mnvr	/Ped	Actn:		1	C	Obj St	trk:	20	
Unit	2:1 	Alchi/Dr	gs: 0	Speed:	20	MPH	Dir:	s 		Veh	Mnvr	/Ped	Actn:	_	4 		Obj S1 	trk:	20	
28	105900123	1.872	06/17/2019 21:24	RAN OF	F RO	AD - LE	FT	\$	11000	0	0	1	0	1	4	1	1	0	0	
Unit	1:1	Alchi/Dr	gs: 0	Speed:	40	MPH	Dir:	N 		Veh	Mnvr	/Ped	Actn:	_	4		Obj S1	trk:	34	
29	104881420	1.900	10/15/2016 13:15	LEFT TU ROADW		SAME		\$	1800	0	0	0	0	1	1	1	1	0	3	1
Unit	1:1	Alchi/Dr	<b>gs:</b> 0	Speed:	20	MPH	Dir:	Ν		Veh	Mnvr	/Ped	Actn:		4	(	Obj St	trk:		
Unit	2: 4 	Alchi/Dr	gs: 0	Speed:	15 	MPH	Dir:	s <b>-</b> -		Veh	Mnvr	/Ped	Actn:	_	8		Obj S1	trk:		
30	104921703	1.900	11/21/2016 20:57	ANGLE				\$	7500	0	0	0	1	1	4	1	1	0	3	1
Unit	1:1	Alchi/Dr	<b>gs:</b> 0	Speed:	35	MPH	Dir:	S		Veh	Mnvr	/Ped	Actn:		8	C	Obj St	trk:		
Unit	<b>2</b> : 1	Alchi/Dr	gs: 0	Speed:	20	MPH	Dir:	N		Veh	Mnvr	/Ped	Actn:		4		Obj S1	trk:		
31	105614637	1.900	07/12/2017 15:43	LEFT TU		ROADV	VAYS	\$	500	0	0	0	0	1	1	1	1	0	3	1
Unit	<b>1</b> : 1	Alchi/Dr	<b>gs:</b> 0	Speed:	25	MPH	Dir:	W	1	Veh	Mnvr	/Ped	Actn:		8	(	Obj S1	trk:		
Unit	<b>2</b> : 2	Alchi/Dr	<b>gs:</b> 0	Speed:	35	MPH	Dir:	NI	E 	Veh	Mnvr	/Ped	Actn:		4		Obj St	trk:		
32	105176411	1.900	07/29/2017 14:34	REAR E STOP	ND, S	SLOW (	OR	\$	6500	0	0	0	0	1	1	1	1	0	3	1
Unit	1:1	Alchi/Dr	<b>gs:</b> 0	Speed:	0	MPH	Dir:	Ν		Veh	Mnvr	/Ped	Actn:		1	C	Obj St	trk:		
Unit	<b>2</b> : 1	Alchi/Dr	gs: 0	Speed:	35	MPH	Dir:	N		Veh	Mnvr	/Ped	Actn:		4		Obj S1	trk:		
33	105666310	1.900	11/05/2018 17:45	LEFT TU ROADW		SAME		\$	2500	0	0	0	0	2	4	3	1	0	3	1
Unit	1:1	Alchi/Dr	<b>gs:</b> 0	Speed:	35	MPH	Dir:	S		Veh	Mnvr	/Ped	Actn:		4	C	Obj St	trk:		
Unit	2:1	Alchi/Dr	<b>gs:</b> 7	Speed:	0	MPH	Dir:	N		Veh	Mnvr	/Ped	Actn:		8	C	Obj Si	trk:		
34	105671721	1.900	11/08/2018 17:26	ANGLE				<b>-</b> -	15000	0	0	0	0	1	<b>-</b> -	1	1	0	3	1
Unit	1:2	Alchi/Dr	<b>gs:</b> 0	Speed:	30	MPH	Dir:	Ν		Veh	Mnvr	/Ped	Actn:		4	C	Obj S1	trk:		
Unit	<b>2</b> : 5	Alchi/Dr	<b>gs:</b> 0	Speed:	10	MPH	Dir:	SI	E	Veh	Mnvr	/Ped	Actn:		8	C	Obj S1	trk:		
Unit	3:4	Alchi/Dr	<b>gs:</b> 0	Speed:	0	MPH	Dir:	W	1	Veh	Mnvr	/Ped	Actn:		1	C	Obj St	trk:		
														-						

10/28/2021

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Acc								Total		Inju	ries		Co	ondit	ion	Ro	ad	Trfo	c Ctl
No	Crash ID	Milepost	Date	Acc	iden	t Type	•	Damage	F	Ā	В	С	R	L	W	Ch			Ор
35	105948573	1.900	08/02/2019 07:40	ANGLE				\$ 11500	0	0	0	0	1	1	2	1	0	3	1
Unit	1:4	Alchl/Drg:	<b>s:</b> 0	Speed:	35	MPH	Dir:	S	Veh	Mnvr	/Ped	Actn:		4	0	bj St	rk:		
Unit	<b>2</b> : 5	Alchl/Drg:	s: 0	Speed:	30 <b>_</b> _	MPH	Dir:	W 	Veh	Mnvr	Ped	Actn:	:	4	o 	bj St	rk: 		
36	106095102	1.900	12/13/2019 14:03	ANGLE				\$ 4000	0	0	0	0	2	1	3	1	0	3	1
Unit	<b>1</b> : 10	Alchl/Drg:	<b>s:</b> 0	Speed:	35	MPH	Dir:	S	Veh	Mnvr	/Ped	Actn:		4	0	bj St	rk:		
Unit	<b>2</b> : 5	Alchl/Drg:	s: 0	Speed:	30	MPH	Dir:	W	Veh	Mnvr	Ped	Actn:	:	4	0	bj St	rk:		
37	106187397	1.900	03/18/2020 14:36	REAR EI	ND, S	LOW	OR	\$ 6500	0	0	0	0	1	1	1	1	0	3	1
Unit	1:2	Alchl/Drg:	<b>s:</b> 0	Speed:	15	MPH	Dir:	N	Veh	Mnvr	/Ped	Actn:		4	0	bj St	rk:		
Unit	<b>2</b> : 4	Alchl/Drg:	s: 0	Speed:	10	MPH	Dir:	N	Veh	Mnvr	Ped	Actn:		11	0	bj St	rk: 		
38	106257029	1.900	06/19/2020 18:41	LEFT TU ROADW		SAME		\$ 7000	0	0	0	0	2	1	3	1	0	3	2
Unit	<b>1</b> : 1	Alchl/Drg:	<b>s:</b> 0	Speed:	20	MPH	Dir:	NW	Veh	Mnvr	/Ped	Actn:		8	0	bj St	rk:		
Unit	<b>2</b> : 1	Alchl/Drg:	s: 0	Speed:	35	MPH	Dir:	s 	Veh	Mnvr	Ped	Actn:		4	0	bj St	rk: 		
39	106574714	1.900	05/13/2021 19:08	ANGLE	<u></u>			\$ 6000	0	0	0	0	1	1	1	3	0	3	1
Unit	1:1	Alchl/Drgs	<b>s</b> : 0	Speed:	40	MPH	Dir:	N	Veh	Mnvr	/Ped	Actn:		4	0	bj St	rk:		
Unit	2:1	Alchl/Drg:	<b>s:</b> 0	Speed:	35	MPH	Dir:	Е	Veh	Mnvr	/Ped	Actn:	:	4	0	bj St	rk:		
											_		-	_				-	

Acc No - Accident Number

Legend for Report Details:

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

#### **Summary Statistics**

#### **High Level Crash Summary**

Crash Type	Number of Crashes	Percent of Total
Total Crashes	39	100.00
Fatal Crashes	1	2.56
Non-Fatal Injury Crashes	10	25.64
Total Injury Crashes	11	28.21
Property Damage Only Crashes	28	71.79
Night Crashes	12	30.77
Wet Crashes	10	25.64
Alcohol/Drugs Involvement Crashes	2	5.13

#### **Crash Severity Summary**

Crash Type	Number of Crashes	Percent of Total
Total Crashes	39	100.00
Fatal Crashes	1	2.56
Class A Crashes	0	0.00
Class B Crashes	6	15.38
Class C Crashes	4	10.26
Property Damage Only Crashes	28	71.79

#### Vehicle Exposure Statistics

Annual ADT = 5800

Total Length = 1.22 (Miles)

1.963 (Kilometers)

Total Vehicle Exposure = 12.92 (MVMT)

20.79 (MVKMT)

Crash Rate	Crashes Per 100 Million Vehicle Miles	Crashes Per 100 Million Vehicle Kilometers
Total Crash Rate	301.84	187.55
Fatal Crash Rate	7.74	4.81
Non Fatal Crash Rate	77.39	48.09
Night Crash Rate	92.87	57.71
Wet Crash Rate	77.39	48.09
EPDO Rate	1461.21	907.96

#### Miscellaneous Statistics

Severity Index =	4.84
EPDO Crash Index =	188.80
Estimated Property Damage Total = \$	277040.00

#### **Accident Type Summary**

Accident Type	Number of Crashes	Percent of Total
ANGLE	13	33.33
LEFT TURN, DIFFERENT ROADWAYS	6	15.38
LEFT TURN, SAME ROADWAY	4	10.26
RAN OFF ROAD - LEFT	1	2.56
RAN OFF ROAD - RIGHT	4	10.26
RAN OFF ROAD - STRAIGHT	1	2.56
REAR END, SLOW OR STOP	6	15.38
RIGHT TURN, SAME ROADWAY	1	2.56
SIDESWIPE, SAME DIRECTION	3	7.69

#### **Injury Summary**

Injury Type	Number of Injuries	Percent of Total
Fatal Injuries	1	5.00
Class A Injuries	0	0.00
Class B Injuries	7	35.00
Class C Injuries	12	60.00
Total Non-Fatal Injuries	19	95.00
Total Injuries	20	100.00

<b>Monthly Summary</b>				
Month	Number of Crashes	Percent of Total		
Jan	0	0.00		
Feb	3	7.69		
Mar	2	5.13		
Apr	0	0.00		
May	1	2.56		
Jun	4	10.26		
Jul	2	5.13		
Aug	8	20.51		
Sep	4	10.26		
Oct	4	10.26		
Nov	8	20.51		
Dec	3	7.69		

#### **Daily Summary**

Day	Number of Crashes	Percent of Total
Mon	6	15.38
Tue	4	10.26
Wed	3	7.69
Thu	9	23.08
Fri	7	17.95
Sat	7	17.95
Sun	3	7.69

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	1	2.56			
0400-0459	1	2.56			
0500-0559	0	0.00			
0600-0659	1	2.56			
0700-0759	3	7.69			
0800-0859	2	5.13			
0900-0959	1	2.56			
1000-1059	2	5.13			
1100-1159	1	2.56			
1200-1259	0	0.00			
1300-1359	2	5.13			
1400-1459	4	10.26			
1500-1559	4	10.26			
1600-1659	2	5.13			
1700-1759	4	10.26			
1800-1859	4	10.26			
1900-1959	2	5.13			
2000-2059	2	5.13			
2100-2159	2	5.13			
2200-2259	1	2.56			
2300-2359	0	0.00			

#### Crash History Details Report

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

#### **Light and Road Conditions Summary**

Dry	Wet	Other	Total
20	6	0	26
8	4	0	12
1	0	0	1
29	10	0	39
	20 8 1	20 6 8 4 1 0	20 6 0 8 4 0 1 0 0

#### **Object Struck Summary**

Object Type	Times Struck	Percent of Total
LUMINAIRE POLE NON-BREAKAWAY	1	10.00
MAILBOX	1	10.00
MOVABLE OBJECT	1	10.00
PARKED MOTOR VEHICLE	2	20.00
TRAFFIC ISLAND CURB OR MEDIAN	1	10.00
UTILITY POLE	4	40.00

#### Vehicle Type Summary

Vehicle Type	Number Involved	Percent of Total
PASSENGER CAR	39	49.37
PICKUP	13	16.46
SINGLE UNIT TRUCK (2-AXLE, 6-TIRE)	1	1.27
SPORT UTILITY	15	18.99
UNKNOWN	2	2.53
VAN	9	11.39

#### **Yearly Totals Summary**

#### **Accident Totals**

Year	Total Accidents	Fatal Accidents	Injury Accidents	Property Damage Only Accidents
2016	5	1	2	2
2017	8	0	1	7
2018	8	0	3	5
2019	10	0	2	8
2020	7	0	2	5
2021	1	0	0	1
Total	39	1	10	28

#### **Injury Totals**

Year	Fatal Injuries	Class A, B, or C Injuries
2016	1	10
2017	0	1
2018	0	4
2019	0	2
2020	0	2
2021	0	0
Total	1	19

#### Miscellaneous Totals

Year	Р	roperty Damage	EPDO Index
2016	\$	60340	95.60
2017	\$	33750	15.40
2018	\$	63250	30.20
2019	\$	50700	24.80
2020	\$	63000	21.80
2021	\$	6000	1.00
Total	\$	277040	188.80

#### Type of Accident Totals

				Run Off Road &			
Year	Left Turn	Right Turn	Rear End	Fixed Object	Angle	Side Swipe	Other
2016	1	0	0	1	3	0	0
2017	3	0	1	2	1	1	0

10/28/2021

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# Crash History Details Report

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

_								
		Run Off Road &						
	Year	Left Turn	Right Turn	Rear End	Fixed Object	Angle	Side Swipe	Other
	2018	1	0	2	2	3	0	0
	2019	3	1	2	1	2	1	0
	2020	2	0	1	0	3	1	0
	2021	0	0	0	0	1	0	0
	Total	10	1	6	6	13	3	0



#### Crash History Details Report

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

Strip Diagram

#### **Features** Milepost Crash IDs SR 2712 | SR 2812 | THOMPSON | TIMBER 104839476 | 104860272 | 105285511 | 105522416 | 105564543 | 105625361 | 105958027 | 105962687 | 106056688 | 106300363 | 106387544 SR 2812 SB COUPLET 0.69 0.70 0.71 0.72 0.73 0.74 0.75 0.76 GRAND POINTE 0.77 0.78 0.79 0.80 0.81 0.82 0.83 GLEN EAGLE 0.84 0.85 0.86 0.87 0.88 0.89 0.90 0.91 0.92

0.93

0.94 0.95 0.96 0.97 0.98 0.99 1.00 1.01 1.02 1.03 1.04 1.05 1.06 1.07 1.08

10/28/2021

FOWLER

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	Strip Analysis Report	
Features	Milepost Crash IDs	
	1.09	
	1.10	
	1.11	
PARK	1.12	
	1.13 105614494	
	1.14	
	1.15	
	1.16	
	1.17	
	1.18	
	1.19 105614737	
	1.20	
	1.21	
	1.22	
	1.23 106027721	
	1.24	
	1.25	
	1.26	
	1.27	
	1.28	
	1.29 105656231	
	1.30	
	1.31	
	1.32	
	1.33	
	1.34	
	1.35	
	1.36	
FREDERICK	1.37 106435648	
	1.38	
	1.39	
	1.40	
SR 2715   WOODLAND	1.41 105300586   106070563	
	1.42	
	1.43	
	1.44 105581479	
VANDORA	1.45 104995810	
	1.46	
	1.47	
	1.48	
	1.49	
	1.50	
	1.51	
	1.52	
	1.53	

10/28/2021

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-14-



# Crash History Details Report

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

Features	Milepost	Crash IDs
	1.54	
	1.55	
	1.56	
	1.57	105190155
	1.58	
	1.59	
	1.60	106190023
	1.61	
	1.62	
	1.63	
SR 2825   SPRING	1.64	105205742
	1.65	
	1.66	
LAKESIDE	1.67	
	1.68	
	1.69	
	1.70	
	1.71	
	1.72	
	1.73	
	1.74	
	1.75	
	1.76	
	1.77	105997520
	1.78	
	1.79	
	1.80	
	1.81	
	1.82	
	1.83	
	1.84	
	1.85	105776822   106167420
	1.86	
	1.87	105529644   105900123
	1.88	
	1.89	
SR 2794   FOXWOOD   SEVENTH	1.90	104881420   104921703   105614637   105176411
		105666310   105671721   105948573   106095102
		106187397   106257029   106574714

#### Study Criteria

Study Name	Log No.	PH No.	TIP No.	K/A Cf.	B/C Cf.	ADT	ADT Route
41000065724				76.8	8.4	5800	

Request Date Courier Service Phone No. Ext. Fax No.

	County		Municipality					
Name	Code	Div.	Name	Code	Y-Line Ft.	Begin Date	End Date	Years
WAKE	92	5	All and Rural		0	09/01/2016	08/31/2021	5.00

Location Text Requestor

SR 2713 (Vandora Springs Road) from SR 2812 (Timber Drive) to SR 2794 (Seventh Avenue)

Included Accidents	Old MP	New MP	Туре
105614737		1.19	I
105614494		1.13	I
105997520		1.77	I
106027721		1.23	I

#### **Excluded Accidents**

104930731

104930733

105100265

105143607

105763273

105886913 106422146

#### **Fiche Roads**

Name	Code
SR 2713	40002713
SPRING	50028855
VANDORA SPRINGS	50031548

#### Strip Road

Name	Code	Begin MP	End MP	Miles	Kilometers
SR 2713	40002713	0.680	1.900	1.220	1.963

10/28/2021

All data presented in this report comes explicitly from the Traffic Engineering Accident Analysis System based upon vi criteria provided by the report's creator. The onus is strictly upon the user of this report to exercise due diligence in in and further representing this data. -16-

Site Field Review Prompt List

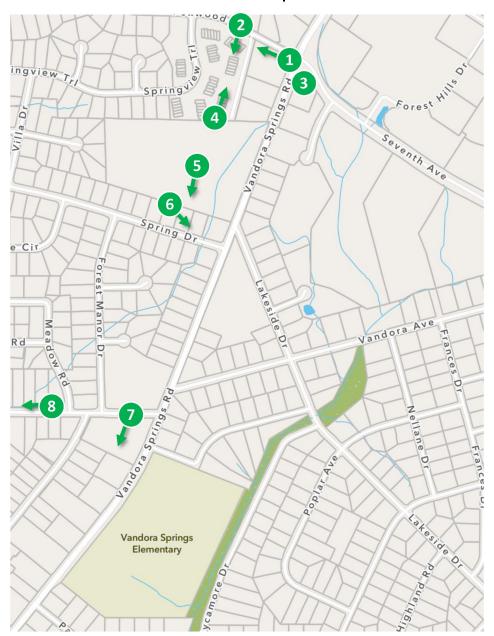
# **Site Field Review Prompt List**

SIDEWALKS - Are there sidewalks on one or both sides of the roads?  Do they create a network or are there dead ends?	SIDEWALKS — Are sidewalks in good condition? Do they have curb ramps? How close are they to motor vehicle traffic?
CROSSINGS – Where are crossings located? Where are they missing?	CROSSINGS – What traffic control devices are used? Traffic lights, stop signs, pedestrian signals, etc.?
SIGNS — What signs and road markings do you see?	SCHOOL ZONE – How was the school zone delineated?
TRANSIT – Did you see any bus stops? Where were they located?	DESTINATIONS – What sorts of places and types of land use did you see? Are any of these places where many people might want to go (parks, churches, businesses, etc.)?

Site Field Review Prompt List

MOTOR VEHICLE TRAFFIC – Was there a lot of motor vehicle traffic? How did drivers behave? Did you observe any issues with following	PEOPLE WALKING & BIKING – Did you see any? If so, where were they traveling?
traffic rules or devices?	uaveinig:
GENERAL – Did you see anything that was confusing or surprising to	COMFORT – Would you feel comfortable walking with children along
you?	these roads? Why or why not?
Additional Observations:	

# **Locator Map**



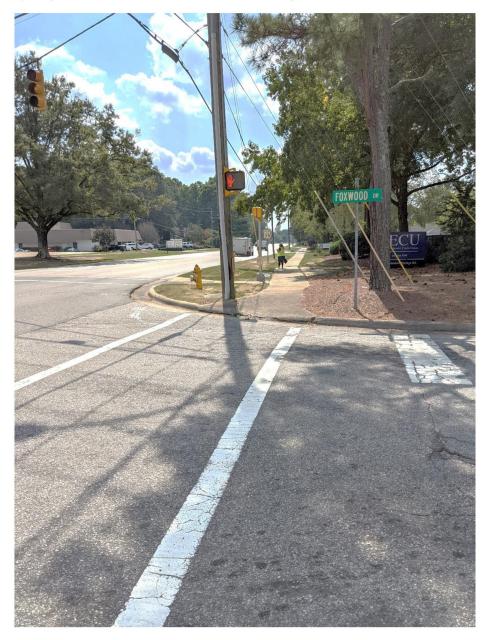
Images in this section provided by Gaby Lontos-Lawlor

# 1 - Vandora Springs Rd at 7th Ave/Foxwood Dr., facing west



- Standard crosswalk striping, beginning to fade
- Curb ramps with truncated dome, but only one truncated dome to cross west; missing one facing crosswalk to go south
- Pedestrian crossing signal

# 2 - Vandora Springs Rd at 7th Ave/Foxwood Dr., facing south



- Standard striping crosswalk present
- Pedestrian operated crossing signal
- Curb ramp missing truncated dome and in need of maintenance to repair cracked pavement

3 – Vandora Springs Rd at  $7^{\text{th}}$  Ave/Foxwood Dr.



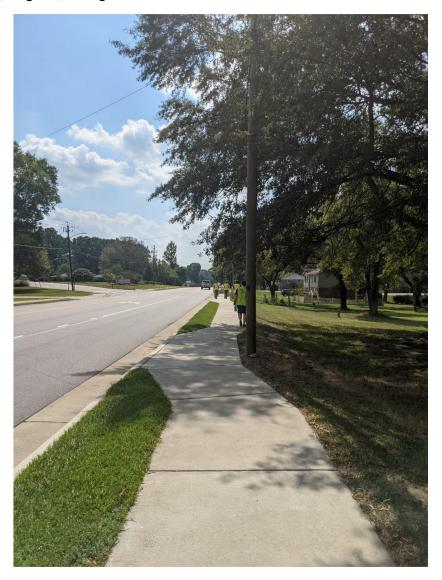
- Good example of a pedestrian push-button
- Pedestrian push-button is installed at appropriate height and spot for someone in wheelchair

# 4 – Vandora Springs Rd at Business Driveway, facing north



- Cracked sidewalk
- Car blocking pedestrian crossing
- Grass strip provides good buffer between pedestrians and vehicular traffic

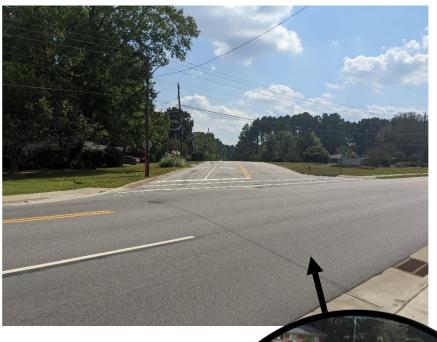
# 5 – Vandora Spring Rd, facing south



# Observations

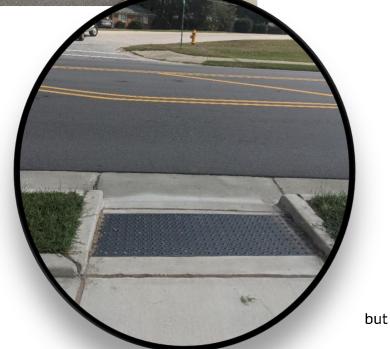
Sidewalk path diverts around utility pole

# 6 -Vandora Springs Rd at Lakeside Dr, facing east



#### Observations

- Standard crosswalk striping along Vandora Springs Rd, to cross Lakeside Dr
- Curb ramp missing truncated domes and does not line up with the crosswalk
- Image to the right shows
   ADA-accessible curb ramp,
   the crossing is not
   appropriately marked for
   pedestrians to walk across Vandora



Springs Rd

# 7 – Vandora Springs Rd, facing south



- On this section of Vandora Springs sidewalk is not installed on east side, it is only available on the west
- Sidewalk pavement in need of repair

# 8 – Woodland Rd at Meadow Rd, facing west



- No sidewalk or shoulder along Woodland Rd
- Road is hilly which creates visibility challenges in certain areas

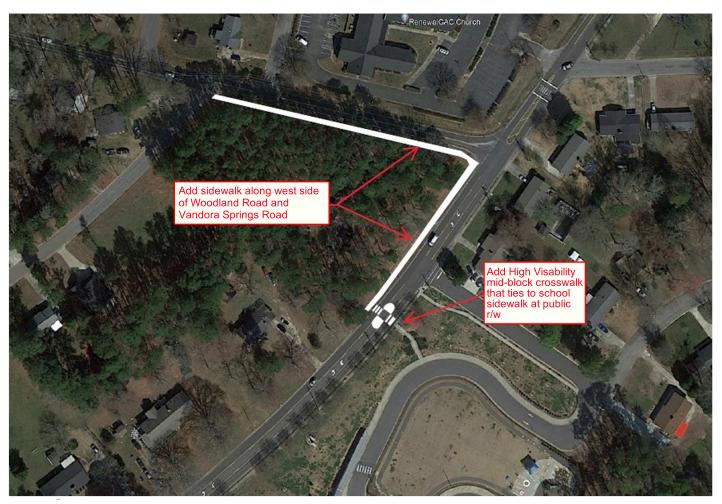


Image from Google Maps