



VILLAGE OF MARVIN

10004 New Town Road | Marvin, NC | 28173 | Tel: (704) 843-1680 | Fax: (704) 843-1660 | www.marvinnc.org

VILLAGE COUNCIL MEETING MINUTES

February 25, 2021 – 9am

Village Hall, 10004 New Town Road

Work Session – Virtual Meeting

A. AGENDA ITEMS

1. Call to Order

Mayor Pollino called the meeting to order at 9:04am and determined a quorum was present.

Present: Mayor Pollino, Mayor Pro Tem Vandenberg, Councilman Lein, Councilman Wortman

Present Virtually: Councilman Marcolese (*disconnected 2:07pm, reconnected 2:09pm*)

Absent: None

Staff Present: Christina Amos, Austin W. Yow, Rohit Ammanamanchi, Jamie Privuznak, Derek Durst

2. Consider Allowing Councilmembers to Participate Remotely

MOTION: Mayor Pro Tem Vandenberg moved to allow councilmembers to participate remotely.

VOTE: The motion passed unanimously.

3. Adoption of the Agenda

Mayor Pro Tem Vandenberg requested to make the following changes:

- Add Item #18 “Approve 2020 Tax Refunds as of February 23, 2021.”
- Add Item #19 “Report of Total Unpaid 2019-2020 Taxes that are a Lien on Real Property per NCGS §105-369(a).”
- Add Item #20 “Direct the Tax Collector to Advertise the Names of Delinquent Taxpayers and Tax Liens in a Newspaper of General Circulation Pursuant to NCGS §105-369(a).”
- Add c. “Update from Retreat” to Manager’s Report
- Amend Closed Session to Read: “Recess into Closed Session Pursuant of NCGS §143-318.11(a)(1)(5) for Review and Approval of Closed Session Minutes from the 9/8/20, 10/29/20, 11/10/20, 11/23/20, and 1/12/21 Meetings; and To Discuss Terms of Potential Acquisition of Real Property.”

MOTION: Mayor Pro Tem Vandenberg moved to adopt the agenda as amended.

VOTE: The motion passed unanimously.

B. PRESENTATIONS

TIME STAMP 4:20

1. Bonds Grove Church Road and Waxhaw-Marvin Road Reconfiguration Options and Feedback

Rohit Ammanamanchi, Planning & Zoning Administrator, explained that a study is being conducted on the Bonds Grove Church and Waxhaw-Marvin Road intersection to determine how best to reconfigure the intersection to address traffic and safety concerns. The two options being considered are a traffic light or a roundabout. An online public comment period will start on March 8. Council directed Mr. Ammanamanchi and Mr. Yow to post communications about the public comment period.

TIME STAMP 13:00

2. Marvin Heritage District Next Steps

Mr. Ammanamanchi recapped his presentation on the Marvin Heritage District from the previous week’s Council retreat. Based on recent feedback from property owners, he recommended to Council to ask property owners to submit professional sketch plans depicting what their desired and feasible development would be. He added that staff would then consolidate the plans into one final scenario and contract DFI to determine the economic feasibility of that scenario. Council discussed this item in depth.

C. VILLAGE HALL

TIME STAMP 23:00

1. Discussion and Consideration of Village Hall Documents

Christina Amos, Village Manager, briefed Council on the pre-bid meeting that took place with interested vendors on Monday, February 22. She then explained the project manual and answered questions from Council. Council discussed the manual and bid documents in depth. She asked Council to consider creating a subcommittee to recommend finishes for the new Village Hall.

MOTION: Mayor Pro Tem Vandenberg moved to create a Village Hall Design Finishes Subcommittee with herself and Mayor Pollino.

VOTE: The motion passed unanimously.

Ms. Amos also informed Council about a potential drainage issue at the site resulting from the installation of a drainage pipe by NCDOT between the two roundabouts on New Town Rd. She distributed a survey showing the pipe. *(See attached survey, which is hereby incorporated as a reference into these minutes).* She asked Council to authorize her to have an engineer examine the site to determine what work is needed to resolve the issue. Council agreed and asked Ms. Amos to reach out to state representatives to help recoup costs from NCDOT.

MOTION: Mayor Pro Tem Vandenberg moved to authorize the Manager to work with Dewberry Engineering to assess and work to solve the drainage issues at the Marvin School and New Town Road intersection to mitigate the issues of any future development and authorization to spend \$15,000 with McConnell Grading who is the Village's all-inclusive vendor.

VOTE: The motion passed unanimously.

D. ITEMS OF DISCUSSION

TIME STAMP 1:02:50

1. **Consider Call for Public Hearing to be held at 6:30pm on March 9th, 2021 at Village Hall for Conditional Use Permit (CUP) Application #21-12576: 1000 Spyglass Lane, Pool in a Side Yard**

Council asked Mr. Ammanamanchi about the little documentation provided by the pool builder and directed him to not accept further applications with this little documentation going forward.

MOTION: Councilman Wortman moved to call for Public Hearing to be held at 6:30pm on March 9th, 2021 at Village Hall for Conditional Use Permit (CUP) Application #21-12576: 1000 Spyglass Lane, Pool in a Side Yard.

VOTE: The motion passed 3-1. Councilmembers Lein, Marcollese, and Wortman voted "Yea." Mayor Pro Tem Vandenberg voted "No."

MOTION: Mayor Pro Tem Vandenberg moved to take a 1-minute recess.

VOTE: The motion passed unanimously.

MOTION: Mayor Pro Tem Vandenberg moved to reconvene.

VOTE: The motion passed unanimously.

TIME STAMP 1:13:30

2. **Consider Call for Public Hearing to be held at 6:30pm on March 9th, 2021 at Village Hall for Zoning Text Amendment Application #21-12592 to Revise the Definition of Rural Subdivision in §150.015 DEFINITIONS**

Mr. Ammanamanchi explained that the applicant wished to build a rural subdivision of six lots on 19 acres. The proposal meets all requirements of a rural subdivision, except that the tract is less than the required 25 acres. He explained that the Planning Board recommended changing the requirement to 12 acres. Council discussed this item in depth and directed Mr. Ammanamanchi to change it to 10 acres.

MOTION: Mayor Pro Tem Vandenberg moved to call for Public Hearing to be held at 6:30pm on March 9th, 2021 at Village Hall for Zoning Text Amendment Application #21-12592 to Revise the Definition of Rural Subdivision in §150.015 DEFINITIONS.

VOTE: The motion passed unanimously.

TIME STAMP 1:22:20

3. **Discussion and Consideration of Options to Address Flooding on the Marvin Loop Greenway**

Derek Durst, Public Facilities Manager, explained that explained that the Village Engineer has recommended raising the actual trail to address flooding issues. Council discussed this item in depth. Councilmember Wortman stated he would visit the site during the weekend to get some grading shots, after which Mr. Durst would use the information gathered to acquire a new quote from McConnell Grading.

TIME STAMP 1:31:00

4. **Discussion and Consider Approval of Village of Marvin Sponsorship and Donation Policy**

Mr. Durst explained that the draft policy has been reviewed by the Village Attorney. Council discussed this item in depth and asked Mr. Durst questions regarding the terms of the sponsorship. *(See attached policy, which is hereby incorporated as a reference into these minutes).* Council directed Ms. Amos to determine whether donations to the Village are tax deductible.

MOTION: Mayor Pro Tem Vandenberg moved to approve the Village of Marvin Sponsorship and Donation Policy.

VOTE: The motion passed unanimously.

TIME STAMP 1:35:10

5. Discuss and Consider Approval of Contract with Spotz for Facility Scheduling Software for an Annual Rate of \$600 and 4% fees Associated with Credit Card Processing

Mr. Durst explained that this company would handle the schedules for rentals of the Barn, Picnic Shelter, and Community Gardens at Marvin Efirid Park. He noted that the company cut its rate in half due to the few number of facilities that need rentals to be managed. Council directed Mr. Durst to move forward.

TIME STAMP 1:42:30

6. Discussion of List of Projects for State Representative Assistance

Ms. Amos recapped the previous Council retreat at which Council asked state representatives to aid with projects, including financing and construction of roundabouts; lighting; resurfacing New Town Road; reducing speed limits on New Town, Marvin, and Marvin School Road; stop signs in Wyndham Hall; large pothole at the New Town and Marvin Road intersection; the resurfacing of the Tom Short Road roundabout in Marvin Creek; and the drainage issue at the Village Hall property. Council discussed this item in depth and directed Ms. Amos to email these concerns to the state representatives.

TIME STAMP 1:52:00

7. Discussion and Consideration of Solid Waste and Recycling RFP

Ms. Amos walked through the RFP page-by page asking Council if they had any changes or questions. Council discussed this item in depth and directed Ms. Amos to amend the RFP with their feedback.

MOTION: Mayor Pro Tem Vandenberg moved to take a 5-minute recess for lunch and bio break.

VOTE: The motion passed unanimously.

Mayor Pollino reconvened the meeting.

TIME STAMP 2:50:20

8. Discuss and Consider Adoption of OR-2021-02-01 to Appropriate Unassigned Fund Balance to Transportation Budget for Local Match Payment to NCDOT for the Construction of a Roundabout at New Town and Marvin Road

Ms. Amos informed the Council that a correction needs to be made to the budget ordinance and consideration needs to be delayed until the March 9 regular meeting. Council agreed to delay consideration. Ms. Amos distributed copies of the Village's agreement with NCDOT about the roundabout, as well as a copy of an NCDOT presentation from the 1/28/21 Council Work Session Meeting. *(See attached agreement, which is hereby incorporated as a reference into these minutes).* She also informed Council that NCDOT is requesting an additional \$105,000 for the construction of the roundabout at New Town and Marvin Road. Council discussed this in depth and directed Ms. Amos to contact State Representatives about the poor service that NCDOT has provided. Council agreed by consensus to provide additional funding of an undetermined amount at a future date.

TIME STAMP 3:30:20

9. Discuss and Consider Applicants for Appointment to the Planning Board for a Term Commencing 3/1/2021 and Expiring 3/1/2024

Austin W. Yow, Village Clerk & Assistant to the Manager, informed the Council that there were two applicants for the vacant Planning Board seat. Council discussed the applicants and chose to delay consideration until the March 9 regular meeting.

TIME STAMP 3:33:40

10. Discussion of Resolution to Oppose the Avention Apartment Complex

Mr. Ammanamanchi explained that the draft resolution was to oppose the high-density Avention Apartment Complex rezoning request. This development if approved would result in the construction of 310 apartments near the intersection of New Town and Providence Road. Council discussed this item and decided that it was prudent to adopt the resolution immediately.



A RESOLUTION OPPOSING THE AVENTON CONDITIONAL REZONING REQUEST

WHEREAS, the Village of Marvin Council's purpose is to represent the desires of its citizens and to serve as a voice for the greater good of the community and support the same for neighboring municipalities; and

WHEREAS, the Village of Marvin has joined an alliance with four other municipalities in Union County, including Weddington, to collectively oppose high-density development; and

WHEREAS, the Village of Marvin recognizes that the Avention rezoning has been proposed to Union County in a residential area bordered by both Marvin and the Town of Weddington, and 310 units of high-density (R-4 apartments) residential development on 19.07 acres for a density of 16.2 units per acre; and

WHEREAS, the Village of Marvin recognizes that 98% of Marvin residents are not in favor of apartments in the area according to our 2019 Resident Survey; and

WHEREAS, the Village of Marvin recognizes that high density development puts a burden on the infrastructure and encourages growth that outpaces needed improvements, especially the delayed NC-16 widening project; and

WHEREAS, stormwater issues have been a problem in the area and will be accentuated by this high-density development; and

WHEREAS, traffic in the area is over capacity on Providence Road and New Town Road; these roads cannot sustain additional impact from high density residential development; and

NOW, THEREFORE, BE IT RESOLVED that the Marvin Village Council hereby requests the Union County Board of County Commissioners listen to the desires of the citizens and stay consistent with existing low-density residential County and Village zoning of surrounding parcels and reject the rezoning request for the Avention apartment complex.

Adopted this 25th day of February 2021.

MOTION: Mayor Pro Tem Vandenberg moved to suspend the rules to amend the agenda to consider adopting the resolution.

VOTE: The motion passed unanimously.

MOTION: Mayor Pro Tem Vandenberg moved to amend the agenda consideration to approve the resolution to oppose the Avention Conditional Rezoning Request, RS-2021-02-01.

VOTE: The motion passed unanimously.

MOTION: Mayor Pro Tem Vandenberg moved to approve RS-2021-02-01, the Resolution Opposing the Avention Rezoning Request.

VOTE: The motion passed unanimously.

TIME STAMP 3:39:25

11. Discussion of Roadway Median Ordinance

Mr. Ammanamanchi explained that he has revised the subjective language of this ordinance pursuant to the direction of Council. Council directed Mr. Ammanamanchi to submit the revised ordinance to the Planning Board for review.

TIME STAMP 3:41:00

12. Discussion of Statement of Economic Interest and Code of Ethics Forms

Mr. Yow updated Council on the receipt of Statement of Economic Interest and Code of Ethics forms from staff and board members. Council directed Mr. Yow to provide another update at the March 25 work session.

TIME STAMP 3:43:20

13. Discussion of Joint Meetings with the Planning and PR&G Boards

Mr. Yow informed Council that based on the feedback from Council and Board Members the best dates to hold joint meetings are Monday, March 8 at 6:30pm for the Planning Board, and Tuesday, March 23 at 9am for the PR&G Board.

TIME STAMP 3:50:20

14. Discussion of Gates and Private Roads Ordinance

Mr. Ammanamanchi explained that recently certain subdivisions have informed staff that they wish to install gates at the entrances to their subdivisions. Currently, the Village does not allow for the creation of new private roads or the installation of gates on public roads. Mayor Pro Tem Vandenberg added that the Village's sign ordinance was amended in 2017 to allow the installation of gates for rural subdivisions. Mr. Ammanamanchi highlighted that these ordinances are contradictory and asked Council how they wished to address the issue of gates. Council discussed this item in depth.

Council agreed that Mr. Ammanamanchi and the Village Attorney should identify where and how the ordinance needs to be clarified. Council will discuss this item again at the March 25 work session.

TIME STAMP 4:18:10

15. Review of Council Meeting Minutes from 1/28/21, 2/3/21, and 2/9/21

Council reviewed the minutes from 1/28/21, 2/3/21, and 2/9/21 and made no changes.

MOTION: Mayor Pro Tem Vandenberg moved to approve the minutes from 1/28/21, 2/3/21, and 2/9/21. The minutes will be on the consent agenda for the March 9 regular meeting.

VOTE: The motion passed unanimously.

TIME STAMP 4:20:00

16. Discussion of Spring Town Hall Ideas and "Marvin Day" Ideas

Council discussed idea and topics to be incorporated into the agenda for the Spring Town Hall Meeting to be held on Wednesday, May 12 at 6:30pm at Forest Hill Church in Waxhaw. Council also discussed creating a "Marvin Day" to celebrate with the community beginning in 2022. Council discussed event planning and potentially creating committee to begin preparations. Staff will bring this item back at the March 25 work session.

TIME STAMP 4:46:00

17. Discussion of Candidate Questionnaire

Council discussed dedicating a page on the Village's website to house information about candidates running for the Village Council. If approved, this would take the form a questionnaire where candidates could provide some basic information about their qualifications and why they are running for office.

TIME STAMP 4:50:00

18. Approve 2020 Tax Refunds as of February 23, 2021

(See attached document, which is hereby incorporated as a reference into these minutes).

MOTION: Mayor Pro Tem Vandenberg moved to approve 2020 Tax Refunds as of February 23, 2021

VOTE: The motion passed unanimously.

TIME STAMP 4:50:25

19. Report of Total Unpaid 2019-2020 Taxes that are a Lien on Real Property Per NCGS §105-369(a)

(See attached document, which is hereby incorporated as a reference into these minutes).

MOTION: Mayor Pro Tem Vandenberg moved to accept the Report of Total Unpaid 2019-2020 Taxes that are a Lien on Real Property per NCGS §105-369(a).

VOTE: The motion passed unanimously.

TIME STAMP 4:50:45

20. Direct the Tax Collector to Advertise the Names of Delinquent Taxpayers and Tax Liens in a Newspaper of General Circulation Pursuant to NCGS §105-369(a) Between March 1 and June 30, 2021

(See attached document, which is hereby incorporated as a reference into these minutes).

MOTION: Mayor Pro Tem Vandenberg moved to direct Staff to Advertise the Names of Delinquent Taxpayers and Tax Liens in a Newspaper of General Circulation Pursuant to NCGS §105-369(a) Between March 1 and June 30, 2021.

VOTE: The motion passed unanimously.

E. OPEN TOPICS

TIME STAMP 4:51:25

1. Update on Easement

Mayor Pollino informed Council that he spoke to a resident of Innisbrook regarding an easement provide access to the Preserve Trail. He added that this resident asked about how long it would take to build the connection to the trail if he agreed. A meeting is scheduled with this resident and members of the Village staff about this proposed easement.

F. COMMUNICATIONS

TIME STAMP 4:58:00

1. Discussion and Consideration of Communication Topics for March 2021

Mr. Yow presented the list of proposed communications for March. He also asked for feedback regarding publishing additional information about the Inherit the Land Documentary, participating in a local magazine, and topics for an upcoming projects newsletter. Council decided to not circulate further information about the Inherit the Land Documentary and to contribute to the local magazine, staff availability permitting. Council discussed topics for the upcoming projects newsletter.

MOTION: Mayor Pro Tem Vandenberg moved to suspend the rules to reopen open topics.

VOTE: The motion passed unanimously.

E. OPEN TOPICS

TIME STAMP 5:13:10

2. Additional Council Seat

Council discussed whether they were interested in pursuing adding another Council seat that would be filled by election in 2023. Council will discuss this idea in greater detail at the March 9 regular meeting.

G. REPORTS AND UPDATES

TIME STAMP 5:31:15

1. Manager's Report

a. Tom Short Sidewalk Update

Ms. Amos informed Council that the Village Attorney has determined based on precedent that absent any agreement that the Village is responsible for the maintenance of the Tom Short sidewalk repairs. Council directed Ms. Amos to add this topic to the list of projects for assistance from state representatives.

b. Street Blade Posts & Speed Limit Signs Update

Ms. Amos stated that the street blades for Weddington Chase and Canterfield Creek are not compatible with their current brackets/posts. She presented quotes for replacing the posts/brackets and asked Council if they wished to standardize brackets going forward. She also distributed photos of the proposed posts/brackets and copies of emails with the subdivision HOAs showing that they approve of the posts/brackets. *(See attached documents, which is hereby incorporated as a reference into these minutes)*. Council agreed to proceed with addressing the posts/brackets in the two subdivisions. Council also chose to provide subdivisions with the option of either having the standardized bracket or paying the cost difference to upgrade to a different design. This upgrade option would also extend to the installation of speed limit signs. Staff will prepare a budget amendment to cover the cost of standardizing brackets in Weddington Chase and Canterfield Creek.

MOTION: Mayor Pro Tem Vandenberg moved to purchase standardized brackets with PBH-9 as shown for Canterfield Creek and Weddington Chase.

VOTE: The motion passed unanimously.

MOTION: Mayor Pro Tem Vandenberg moved to authorize a future budget amendment to appropriate funding of \$11,000 from fund balance reserve "sign" to pay for brackets.

VOTE: The motion passed unanimously.

MOTION: Mayor Pro Tem Vandenberg moved to amend the spec manual to include posts/brackets as approved by new policy.

VOTE: The motion passed unanimously.

MOTION: Mayor Pro Tem Vandenberg moved make a signpost/bracket upgrade policy.

VOTE: The motion passed unanimously.

c. Update from Retreat (Discussed prior to "a. Tom Short Sidewalk Update")

Ms. Amos shared a presentation from the Union County Sheriff's Office on response times, which showed Marvin had a much faster response time than unincorporated Union County. *(See attached presentation, which is hereby incorporated as a reference into these minutes)*.

d. Community Clean Up Day

Ms. Amos informed Council that a resident called and wishes to organize a Community Clean Up event. She asked Council for their consent to advertise this event. Council agreed and directed staff to place this item on the next PR&G Board meeting agenda.

e. Crash Data for Roundabout

Ms. Amos distributed crash data for the Marvin and New Town Road intersection which Council previously requested. *(See attached documents, which is hereby incorporated as a reference into these minutes).*

TIME STAMP 6:02:40

2. Planner's Report

a. CRTPO Resources Update

Mr. Ammanamanchi stated that CRTPO would issue staff to help the Village coordinate with NCDOT, USDOT, and to tabulate the right of way required from property owners to proceed with the expansion of the Marvin Loop Trail.

b. Roundabout Lighting Update

Mr. Ammanamanchi informed Council that Union Power sent the survey data to NCDOT, which should move the process forward for getting lighting installed at the two existing roundabouts on New Town Road.

c. Union County Happenings

Mr. Ammanamanchi informed Council that the Union County Planning Board will review the Avention Rezoning Request on March 2 and that the public must either give comments in-person or submit them by email. At the same meeting, the Board will have their first look at the Union County 2050 Comprehensive Plan. A vote from the County Planning Board on the plan is expected in April. They are also considering a policy to prohibit upward zoning of properties along corridors that needs transportation infrastructure upgrades. He concluded by briefly covering the timeline of adoption for the 2050 Comprehensive Plan, which is currently slated for June.

d. Barcroft Residency Issue

Mr. Ammanamanchi informed Council that the developer of Barcroft did an occupancy check and that he expects to hear back soon.

H. AGENDA ITEMS

TIME STAMP 6:12:30

1. Review of Action Items

- Ms. Amos will determine with the Village Attorney whether donations to the Village are tax deductible.
- Ms. Amos and Mr. Yow will bring back the idea of a Marvin Day Committee at the March 25 work session.
- Ms. Amos will contact state representatives about the list of issues with which the Village needs assistance.
- Ms. Amos will confirm with NCDOT Council's agreement to contribute additional funding of an undetermined amount for the roundabout.
- Ms. Amos will inform the police officers that Council wants them to perform more traffic stops.
- Mr. Yow will issue special meeting notices for joint meetings with the Planning and PR&G Boards.
- Mr. Yow will send Mayor Pro Tem Vandenberg the previous Council application.
- Mr. Ammanamanchi will submit the revised Roadway Median Planting Ordinance to the Planning Board for review.
- Mr. Ammanamanchi will work with the Village Attorney to clarify our ordinances regarding gates and private roads.
- Mr. Ammanamanchi will get a quote from DFI for another feasibility study.
- Mr. Ammanamanchi and Mr. Yow will post communications advertising the public comment period for the Bonds Grove Church and Waxhaw-Marvin Road Reconfiguration study.
- Mr. Durst will move forward with the Spatz contract.
- Councilmembers will contact the two Planning Board applicants.

Review of Ongoing Action Item Spreadsheet

Council chose not to review the list at this meeting.

TIME STAMP 6:15:40

2. Council Comments

Mayor Pollino: He thanked staff for their hard work. He thanked Ms. Amos for her hard work on the solid waste RFP. He reflected on the Council retreat and asked Councilman Wortman to speak about the retreat at the WUMA meeting.

Councilman Lein: He thanked staff for their hard work for the retreat.

I. CLOSED SESSION

MOTION: Mayor Pro Tem Vandenberg moved to table the Closed Session until the March 10 special meeting.

VOTE: The motion passed unanimously.

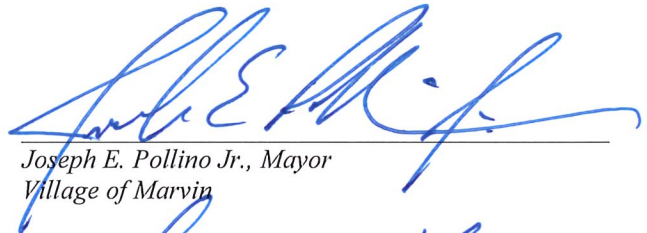
1. **Recess into Closed Session Pursuant of NCGS §143-318.11(a)(1)(5) for Review and Approval of Closed Session Minutes from the 9/8/20, 10/29/20, 11/10/20, 11/23/20, and 1/12/21 Meetings; and To Discuss Terms of Potential Acquisition of Real Property**

J. ADJOURNMENT

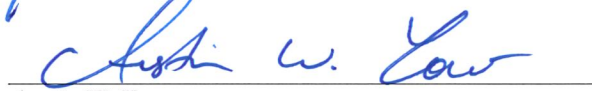
MOTION: Mayor Pro Tem Vandenberg moved to adjourn the meeting at 3:33pm.

VOTE: The motion passed unanimously.

Adopted: 4-13-21



 Joseph E. Pollino Jr., Mayor
 Village of Marvin



 Austin W. Yow
 Village Clerk & Assistant to the Manager
 Village of Marvin



Village of Marvin

Sponsorship and Naming Policy

I. INTRODUCTION AND PURPOSE

In 2012, the Village of Marvin opened its first public facility, Marvin Efird Park. The Village Council understands the need to supplement its current and future projects both at the park, and throughout the Village through relationships with businesses, individuals, and organizations by means of sponsorships, grants and donations. For the purpose of project funding, the Village seeks to create mutually beneficial relationships that will allow the Village to offer its citizens amenities, programs, facilities or structures through alternative sources that will allow us to accelerate our ability to provide these enhancements to the community. The purpose of this sponsorship program is to generate additional revenues for the Village and it is not intended to provide a public forum for communication and debate. The Village will operate its sponsorship program in a manner that maximizes revenue, while ensuring that the sponsorship materials displayed do not negatively affect the goodwill of citizens and visitors and do not diminish the reputation of the Village.

In addition to procuring this funding, the Village will work with its citizens to give back to the community by honoring its people, businesses, or organizations by means of recognition of amenities, facilities, or structures as outlined in the following naming policy. The Village reserves all rights for approving acceptable sponsorships and names for public amenities, facilities or structures located on Village property. All sponsorship and naming requests must be consistent with our Village mission.

II. POLICY

1. Sponsorships vs. Donations

- A. The Village of Marvin recognizes that sponsorships are made when there is an expectation of a specific benefit in return. This benefit may be, but is not limited to, recognition in the form of advertising in newsletters, plaques, at Village events or naming rights. Sponsorships can be in the forms of services, funds, or in-kind gifts.
- B. Donations can be made to the Village in the form of services, funds, or gifts-in-kind, however there is no expectation or recognition or compensation, or restrictions on how this money or gift is to be used within the Village. Since donations can be used at the discretion of the Council, there is no policy for donations. Donors, however, may be recognized in accordance with the sponsorship guidelines and this decision is at the discretion of the Council.

2. Sponsorships and Names must be in accordance with the following Sponsorship and Naming Guidelines.

3. Sponsorship and Naming agreements must be confirmed in writing via the Sponsorship/Naming Application before being accepted by the Village.
4. Sponsorships and Names must be consistent with the mission of the Village of Marvin.
5. Sponsorships or Names will not be accepted if they were to cause the Village any loss of authority or are not consistent with the Sponsorship/Naming Guidelines.
6. The Village has the right to limit the number of facilities, structures, or sites to which Sponsorships and Naming Rights can be applied.
7. The Village will not accept cash as a form of payment. Payment should be by check, wire/ credit card, or other "traceable" method. The Village makes no representation as to whether any funds collected may be claimed as a tax deduction and any person making a contribution is advised to seek the advice of a tax professional as to the deductibility of their contribution.
8. This program does not create a public forum. The Village reserves the right to exercise full editorial control over the denial, location, method, size, appearance and wording of any sponsorship messages.

III. SPONSORSHIP / NAMING GUIDELINES AND CRITERIA

1. Businesses, individuals, and organizations are eligible for *Sponsorships* if they meet the following applicable criteria:
 - A. Supports the Village's mission.
 - B. Promotes positive and healthy images and messages in our community.
 - C. Provides sponsorships for the purpose of improving or enhancing the lives of the Village citizens.
 - D. Preserves cultural and historical features of our Village.
 - E. Sponsorships will relate to the intent of the Village owned property.
 - F. Sponsorship or Naming shall not create any right to use the Village name, logo, slogans or other graphic representations in any messages without the prior written consent of the Village.
2. Businesses, individuals, and organizations are eligible to request *Naming Rights* in limited and unusual circumstances which generally involve substantial contributions. Naming Rights must be approved by Village Council.
3. Sponsorships and Naming Rights are maintained as a nonpublic forum. Although the Village recognizes and confirms that entering into a sponsorship agreement is not an endorsement of that sponsor or its goods or services, sponsorships do imply some affiliation between the sponsor and the Village. Such perceived affiliation can affect the public trust and the Village's ability to govern equitably, efficiently and effectively. Therefore, no potential sponsor and no offer of sponsorship will be approved that might compromise the public trust or the public's perception of the Village's ability to act in the public interest or that the Village deems might have a negative impact on its mission, image or values. The Village also intends to preserve its right and discretion to exercise full editorial control over the placement, content, appearance and wording of all sponsorship

recognition messages. The Village may make distinctions on the appropriateness of the sponsors recognition message but not the potential sponsor's viewpoint.

Sponsorships or Naming Rights will **not** be considered if:

- A. They involve illegal activity or that promote drugs, alcohol or tobacco.
 - B. A company's primary revenue is derived from the sale of alcohol, tobacco, firearms, or are regarded as an "adult" business or if they contain messages for products, services or entertainment directed to sexual stimulation.
 - C. They come from religious or political organizations.
 - D. They contain messages for products or services related to human reproduction or sexuality, including but not limited to contraceptive products or services, other products or services related to sexual hygiene, counseling with regard to pregnancy, abortion or other sexual matters.
 - E. They give the appearance that a product or service is endorsed by the Village of Marvin or if their sponsorship would create a conflict of interest or policy with the Village.
 - F. The messages include language, pictures, or other graphic representations that are unsuitable for exposure to persons of young age and immature judgment, or shall be derogatory of any person or group because of race, national origin, ethnic background, religion or gender.
 - G. The message may adversely impact the mission, image and values and goals of the Village.
4. The Village may take into consideration the following factors before deciding to enter into a sponsorship agreement. The outcome of these considerations may be cause for a sponsorship not to be accepted:
- A. The timeliness or readiness of the individual, company, or organization to enter into a sponsorship agreement.
 - B. Any operating or maintenance costs associated with the sponsorship agreement.
 - C. The sponsorship is reasonably related to the project or purpose for which it is being given, and;
 - D. If the sponsorship will help generate more revenue and/or less cost to the Village than without it.
 - E. The extent and prominence of the sponsorship recognition, including aesthetic characteristics of the public display of sponsorship.

IV. APPLICATION AND SELECTION PROCESS

1. The Village Council is the governing body that may (i) approve a list of predetermined sponsorship opportunities, (ii) approve sponsorships of \$10,000 or more and (iii) approve all Naming Rights.
2. The Village Manager or designee may approve any sponsorship in amounts less than \$10,000.

V. SPONSORSHIP AND NAMING RIGHTS LEVELS AND BENEFITS

The goal of the Village of Marvin is to yield similar benefit values for the various types of sponsorships. New sponsorship opportunities may be added to the current list of opportunities at any time. Likewise, some sponsorship opportunities are limited and once the maximum number of opportunities is met, these options may no longer be available. Where partial sponsorships are available, there may be no more than two sponsors of one facility/amenity/structure/ program.

A. Facility/Structure Sponsor

A sponsorship agreement that includes a payment to the Village for the purpose or constructing, renovating, or purchasing a specific facility or structure.

Benefits Include:

- Plaque Recognition on Village property.
- Other possible negotiated benefits as agreed to on the sponsorship agreement application.

B. Amenity Sponsor

A sponsorship agreement that includes a payment to the Village for the entire (100%) cost of a specific amenity.

- Plaque/Signage Recognition on Village property and sponsored amenity.
- Other possible negotiated benefits as agreed to on the sponsorship agreement application.
- Specific Amenity Projects may have pre-determined sponsorship structure/ levels as approved by the Village.

C. Event/Program Sponsor

A sponsorship agreement that includes a payment to the Village, in part, to be applied to the overall operating expenses of a specific event or program to be used as the committee, organizers, or Council decides.

- Recognition on all event/program advertisements (media and promotional materials) for the specific sponsored event.
- Recognition at the event/program as Event/Program sponsor.
- Other possible negotiated benefits as agreed to on the sponsorship agreement application.

Naming Rights may be granted for facilities/structures or sites as predetermined as applicable by the Village Council and where the Naming Rights criteria has been met.

Village of Marvin

Sponsorship / Naming Rights Application

Date: _____

Applicant Information

Name of Organization/Business : _____

Contact Person: _____

Street Address: _____ City, State, Zip code: _____

Phone (Office/Home): _____ (Cell): _____

Email: _____

What type of sales generates revenue for your company / organization? _____

Are you applying for a Sponsorship or Naming Rights? Please check only one box below and complete only that section.

Sponsorship Request

Please select one sponsorship level per application.

Sponsorship Levels:

Facility/Structure Sponsor

Amenity Sponsor

Event/Program Sponsor

Other

Special requests or details: _____

I understand that the benefits I will receive for my sponsorship are in accordance with the Sponsorship Policy for my level of sponsorship selected above. Where applicable, any other negotiated benefits are as follows: _____

Applicant Signature and Date

Village Official Signature and Date (if approved)

Naming Rights Request

Amenity/Program/Facility/Structure/Site of Naming to be considered: _____

Name/Title to be recommended for consideration: _____

If named after a person, is this person living or deceased? Please check one box.

Is this a business or organization? yes no

Please state your justification for Naming the above stated amenity/program/facility/structure or site on the space provided. _____

Applicant Signature and Date

Elected Official Signature and Date (if approved_

Item D.8.

NORTH CAROLINA
UNION COUNTY

2nd SUPPLEMENTAL AGREEMENT

DATE: 2/3/2021

NORTH CAROLINA DEPARTMENT OF
TRANSPORTATION

TIP #: U-6088

AND

WBS ELEMENTS:	PE	47883.1.1
	ROW	47883.2.1
	CON	47883.3.1

VILLAGE OF MARVIN

THIS AGREEMENT is made and entered into on the last date executed below, by and between the North Carolina Department of Transportation, an agency of the State of North Carolina, hereinafter referred to as the "Department", and the Village of Marvin, hereinafter referred to as the "Municipality."

WITNESSETH:

WHEREAS, the Department and the Municipality on 3/12/2018, entered into a certain Project Agreement for the original scope: the conversion of the existing stop-controlled intersection at New Town Road (SR 1315) and Marvin Road (SR 1312) to a roundabout, programmed under Project U-6088; and

WHEREAS, the Department and the Municipality on 4/22/2020, entered into a Supplemental Agreement to return the Municipality's local participation in the construction phase of the project due to the delay in the letting date of the project; and

WHEREAS, this Supplemental Agreement is to address the increase in project costs and revise the local participation in the ROW and CON phases of the project.

NOW THEREFORE, the parties wish to supplement the aforementioned Agreement whereby the following provisions are amended:

7. FUNDING

The new estimated cost of the project is \$1,905,000 as shown in the *revised funding table* below. Costs that exceed the total estimated cost will be shared equally between the Department (50%) and the Municipality (50%) to all phases of the project.

REVISED FUNDING TABLE

PHASE	FEDERAL FUNDS (STBG-DA)	STATE FUNDS	LOCAL FUNDS
PE	\$120,000	\$80,000	\$0
RIGHT OF WAY	\$360,000	\$120,000	\$120,000
CONSTRUCTION	\$884,000	\$121,000	\$100,000
TOTALS	\$1,364,000	\$321,000	\$220,000
TOTAL ESTIMATED COST			\$1,905,000

- A. The estimated local match for the Right of Way (ROW) phase is \$120,000 of which \$15,000 has previously been received by the Department. Upon partial execution of the Agreement, the Municipality shall submit a check for \$105,000 to the Department's Division Engineer to cover the remainder of the local match for the ROW phase.
- B. The estimated local match for the Construction (CON) phase is \$100,000. Prior to the Department requesting authorization for Construction, the Department will request a check from the Municipality in the amount of \$100,000 to cover the local match of the construction phase.
- C. Upon completion of the Project, the Department will calculate the actual costs of the work and will bill the Municipality for any excess project costs based on the above participation rates. Reimbursement to the Department shall be made in one final payment within sixty days of invoicing by the Department. A late payment penalty and interest shall be charged on any unpaid balance due in accordance with NCGS § 147-86.23.

OTHER PROVISIONS

The other party to this Agreement shall comply with Title VI of the Civil Rights Act of 1964 (Title 49 CFR, Subtitle A, Part 21) and related nondiscrimination authorities. Title VI and related authorities

prohibit discrimination on the basis of race, color, national origin, disability, gender, and age in all programs or activities of any recipient of Federal assistance.

A copy or facsimile copy of the signature of any party shall be deemed an original with each fully executed copy of the Agreement as binding as an original, and the parties agree that this Agreement can be executed in counterparts, as duplicate originals, with facsimile signatures sufficient to evidence an agreement to be bound by the terms of the Agreement.

Except as hereinabove provided, the Agreement heretofore executed by the Department and the Municipality on 3/12/2018 and 4/22/2020 are ratified and affirmed as therein provided.

IN WITNESS WHEREOF, this Agreement has been executed, in duplicate, the day and year heretofore set out, on the part of the Department and the Municipality by authority duly given.

L.S. ATTEST:

BY: Ash W. Yow

TITLE: Village Clerk

DATE: 2/11/21

VILLAGE OF MARVIN

BY: Christina Amos

TITLE: manager

DATE: 2/11/21

NCGS 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.



This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act.

Jamie P. Schonen 02/11/21
(FINANCE OFFICER)

Federal Tax Identification Number

56-1998217

Remittance Address:

Village of Marvin

Attn: Mr. Joe Pollino

10004 New Town Road

Marvin, NC 28173

DEPARTMENT OF TRANSPORTATION

BY: _____

(CHIEF ENGINEER)

DATE: _____

APPROVED BY BOARD OF TRANSPORTATION ITEM O: _____ (Date)



VILLAGE OF MARVIN

10004 New Town Road | Marvin, NC | 28173 | Tel: (704) 843-1680 | Fax: (704) 843-1660 | www.marvinnc.org

February 25, 2021

UNPAID 2020 TAXES THAT ARE LIENS ON REAL PROPERTY In compliance with N.C.G.S 105-396(a)

Totals below as of January 31, 2021

Original Ad Valorem Base tax levy due for Tax Year 2020 <i>(Without subsequent discoveries/releases)</i>	\$ 689,552
Total Current Year taxes collected	\$ 685,589
Base amount outstanding (Real and Personal Property)	\$ 21,019
Current Tax Year 2020 collection rate	97 %

Item D. 20

Advertisement for Village of Marvin 2020 Delinquent Taxes:

Under and by virtue of the authority bestowed on the Tax Collector pursuant by North Carolina General Statutes 105-369 and as an order of the Marvin Village Council on February 25, 2021; the Tax Collector hereby submits an advertisement of tax liens on all unpaid 2020 real estate tax bills as of 5 p.m. on January 31, 2021.

This advertisement shall contain “the name of the record owner of the parcel as determined as of the date the taxes became delinquent.” Taxes became delinquent on January 6, 2021. Notices were properly sent to the owners of record as of that date. Also contained in this advertisement is the property description, parcel identification number and the principal amount of tax due.

The amount advertised will be increased by interest and advertising cost. The omission of interest and advertising cost from the amount advertised will not constitute a waiver of the Village of Marvin’s claim for those items. If the taxes remain unpaid, the tax collector may foreclose on the tax lien to satisfy all claims on unpaid taxes.

Item G. 1. b.

Administrator

From: Tom Becker <tom.becker@talennium.com>
Sent: Friday, February 12, 2021 11:33 AM
To: Administrator
Cc: mikedolandesign@gmail.com
Subject: Re: Sign Replacements

Christina,
Yes, Weddington Chase is approving these sign changes. Can you please provide a time-line for installation?

Tom

From: Administrator <administrator@marvinnc.gov>
Date: Thursday, February 11, 2021 at 10:11 AM
To: Tom Becker <tom.becker@talennium.com>
Subject: FW: Sign Replacements

Hey Tom,
For some reason, I was thinking Bill took your place...sorry!

See email below.

Thanks,
CA

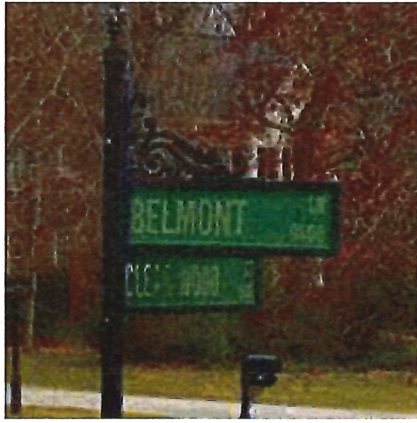
From: Administrator
Sent: Thursday, February 04, 2021 12:53 PM
To: Bill Laughlin <blaughlin1992@gmail.com>; Michael Dolan <mikedolandesign@gmail.com>
Subject: Sign Replacements

Good Afternoon,
As you know, we have the signs for your subdivision waiting in our office to install and have had issues due to the brackets not matching up. Upon assessing the cost of new brackets, were looking at about \$4K for WC and \$5 for CC. This is in addition to the actual cost of the signs. I will be asking my board to cover this cost next week because this was not an expense we anticipated and therefore did not explain to you both initially. If they approve, we would change out the brackets only and not the actual posts and start a Village-wide standardization with the same blades to make it more efficient and easy for us to maintain shall they break in the future (as these would be our duty to maintain). Do you both feel ok with the bracket as displayed below? Its very similar to CC (which is the pic below) with the exception of the decorative scrolls at the top—they would disappear. WC has more of a hanging style sign so these are a lot better quality than WC's current design.

Please advise thoughts.
Thanks,
Christina

PBH-9

PBH - 9"x48"



Administrator

From: Michael Dolan <mikedolandesign@gmail.com>
Sent: Tuesday, February 09, 2021 12:26 PM
To: Administrator; Bill Laughlin
Subject: Re: Sign Replacements

Good by me.

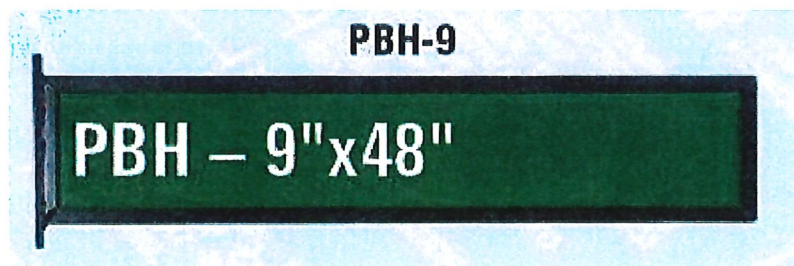
Mike

From: Administrator <administrator@marvinncc.gov>
Date: Thursday, February 4, 2021 at 12:53 PM
To: Bill Laughlin <blaughlin1992@gmail.com>, Michael Dolan <mikedolandesign@gmail.com>
Subject: Sign Replacements

Good Afternoon,

As you know, we have the signs for your subdivision waiting in our office to install and have had issues due to the brackets not matching up. Upon assessing the cost of new brackets, were looking at about \$4K for WC and \$5 for CC. This is in addition to the actual cost of the signs. I will be asking my board to cover this cost next week because this was not an expense we anticipated and therefore did not explain to you both initially. If they approve, we would change out the brackets only and not the actual posts and start a Village-wide standardization with the same blades to make it more efficient and easy for us to maintain shall they break in the future (as these would be our duty to maintain). Do you both feel ok with the bracket as displayed below? Its very similar to CC (which is the pic below) with the exception of the decorative scrolls at the top—they would disappear. WC has more of a hanging style sign so these are a lot better quality than WC's current design.

Please advise thoughts.
Thanks,
Christina



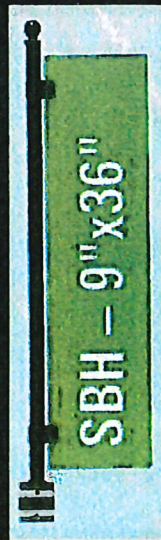


BLADE HOLDERS

SLIDE-IN



HANGING



COMPLETE POST SETUP

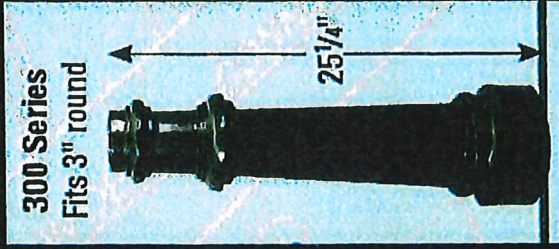
POST



FINIAL



BASE



FAST SIGNS
More than fast. More than signs.

TULLAMORE/AMBER MEADOWS

- NEEDS NEW BLADE HOLDERS
- QUANTITIES:
 - BLADES: 12



FAST SIGNS.
More than fast. More than signs.®

copy

NOTES:

1. THE VILLAGE OF MARVIN LOGO SHALL BE USED ON STREET NAME MARKERS LOCATED ON VILLAGE MAINTAINED STREETS.
2. THE LOGO SHALL BE WHITE WITH A GREEN BACKGROUND WITH RETROREFLECTIVE CHARACTERISTICS MEETING MINIMUM ASTM D-4956 TYPE III STANDARDS.
3. PREFERRED MATERIALS:
-WHITE: 3M HIGH INTENSITY GRADE PRISMATIC SERIES 3930 (3930 WHITE)
-GREEN: 3M ELECTRO-CUT FILM SERIES 1170 (1170 GREEN)
4. THE DECORATIVE LOGO SHALL BE ACQUIRED FROM THE VILLAGE OF MARVIN.



VILLAGE OF MARVIN STANDARD DRAWING

STREET NAME SIGN

REV. DATE

STD. NO.

703.1

Mann Creek -

Tullamore Amber Metals -

Presence -



7510 Pineville-Matthews Rd. Ste 8A
 Charlotte, NC 28226
 (704) 841-4033

ESTIMATE

E-SC-60040

More Than Fast. More Than Signs.
<https://www.fastsigns.com/419>

NEWEST

DESCRIPTION: Weddington Chase Street Blade Holders

Bill To: Marvin Efird Park
 8909 New Town Rd
 Waxhaw, NC 28173
 US

Installed: Marvin Efird Park
 Derek Durst
 Weddington Chase
 Canterfield Creek
 Marvin, NC 28173
 US

Requested By: Derek Durst
 Email: parkmanager@marvinncc.org
 Work Phone: (704) 843-1680

Salesperson: Phillip Broome
 Email: Phillip.broome@fastsigns.com
 Work Phone: 704-841-4033
 Cell Phone: 704-574-7534

PRODUCTS	QTY	UNIT PRICE	TOTALS
1 PBH Slide-in Blade Holders @ 48"w x 9"h	5	\$158.31	\$791.55
2 PBH Slide-in Blade Holders @ 54"w x 9"h	13	\$186.0108	\$2,418.14
3 PBH Slide-in Blade Holders @ 60"w x 9"h	8	\$222.1238	\$1,776.99
		Subtotal:	\$4,986.68
		Taxes:	\$361.53
		Grand Total:	\$5,348.21

Signature: _____ Date: _____

ALL ESTIMATES ARE GOOD FOR 30 DAYS
 Thank you for choosing FASTSIGNS!



7510 Pineville-Matthews Rd. Ste 8A
 Charlotte, NC 28226
 (704) 841-4033

ESTIMATE

E-SC-59675

More Than Fast. More Than Signs.
<https://www.fastsigns.com/419>

Initial

DESCRIPTION: Canterfield Creek: Street Blade Holders *NO SCROLL*

Bill To: Marvin Efird Park
 8909 New Town Rd
 Waxhaw, NC 28173
 US

Installed: Marvin Efird Park
 Derek Durst
 Weddington Chase
 Canterfield Creek
 Marvin, NC 28173
 US

Requested By: Derek Durst
 Email: parkmanager@marvinncc.org
 Work Phone: (704) 843-1680

Salesperson: Phillip Broome
 Email: Phillip.broome@fastsigns.com
 Work Phone: 704-841-4033
 Cell Phone: 704-574-7534

PRODUCTS	QTY	UNIT PRICE	TOTALS
1 PBH Slide-in Blade Holders @ 48"w x 9"h	5	\$187.836	\$939.18
2 PBH Slide-in Blade Holders @ 54"w x 9"h	6	\$235.375	\$1,412.25
3 REMOVAL/INSTALLATION: 11 total blades	1	\$569.18	\$569.18
		Subtotal:	\$2,920.61
		Taxes:	\$211.74
		Grand Total:	\$3,132.35

Signature: _____ Date: _____

+7764 WC
 +3132 CC

 10896

ALL ESTIMATES ARE GOOD FOR 30 DAYS
 Thank you for choosing FASTSIGNS!



7510 Pineville-Matthews Rd. Ste 8A
Charlotte, NC 28226
(704) 841-4033

ESTIMATE

E-SC-59674

More Than Fast. More Than Signs.
<https://www.fastsigns.com/419>

Initial

DESCRIPTION: Weddington Chase: Street Blade Holders *NO SCROLL*

Bill To: Marvin Efird Park
8909 New Town Rd
Waxhaw, NC 28173
US

Installed: Marvin Efird Park
Derek Durst
Weddington Chase
Canterfield Creek
Marvin, NC 28173
US

Requested By: Derek Durst
Email: parkmanager@marvinnnc.org
Work Phone: (704) 843-1680

Salesperson: Phillip Broome
Email: Phillip.broome@fastsigns.com
Work Phone: 704-841-4033
Cell Phone: 704-574-7534

PRODUCTS	QTY	UNIT PRICE	TOTALS
1 SBH Hanging Blade Holders @ 48"w x 9"h	5	\$139.836	\$699.18
2 SBH Hanging Blade Holders @ 54"w x 9"h	13	\$224.3354	\$2,916.36
3 SBH Hanging Blade Holders @ 60"w x 9"h	8	\$332.1325	\$2,657.06
REMOVAL/INSTALLATION: 26 total blades	1	\$966.91	\$966.91
Subtotal:			\$7,239.51
Taxes:			\$524.87
Grand Total:			\$7,764.38

Signature: _____ Date: _____

ALL ESTIMATES ARE GOOD FOR 30 DAYS

Thank you for choosing FASTSIGNS!



7510 Pineville-Matthews Rd. Ste 8A
 Charlotte, NC 28226
 (704) 841-4033

ESTIMATE

E-SC-59675

NEWEST

More Than Fast. More Than Signs.
<https://www.fastsigns.com/419>

DESCRIPTION: Canterfield Creek Street Blade Holders

Bill To: Marvin Efird Park
 8909 New Town Rd
 Waxhaw, NC 28173
 US

Installed: Marvin Efird Park
 Derek Durst
 Weddington Chase
 Canterfield Creek
 Marvin, NC 28173
 US

Requested By: Derek Durst
 Email: parkmanager@marvinnc.org
 Work Phone: (704) 843-1680

Salesperson: Phillip Broome
 Email: Phillip.broome@fastsigns.com
 Work Phone: 704-841-4033
 Cell Phone: 704-574-7534

PRODUCTS	QTY	UNIT PRICE	TOTALS
1 PBH Slide-in Blade Holders @ 48"w x 9"h	5	\$187.836	\$939.18
2 PBH Slide-in Blade Holders @ 54"w x 9"h	6	\$235.375	\$1,412.25
3 REMOVAL/INSTALLATION	1	\$1,535.09	\$1,535.09
Subtotal:			\$3,886.52
Taxes:			\$281.77
Grand Total:			\$4,168.29

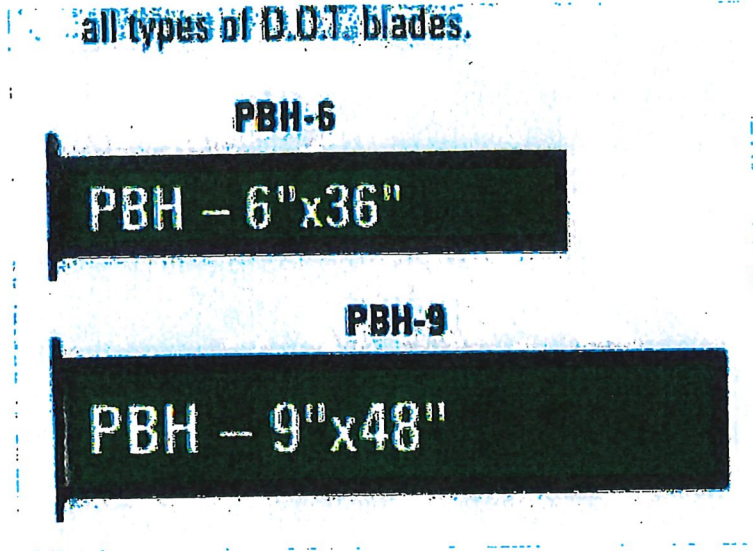
Signature: _____ Date: _____

ALL ESTIMATES ARE GOOD FOR 30 DAYS
 Thank you for choosing FASTSIGNS!

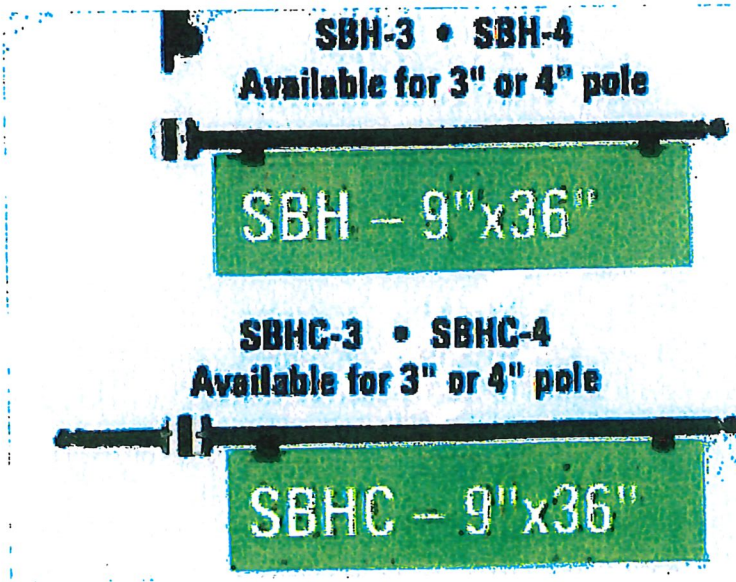
Administrator

From: Derek Durst
Sent: Tuesday, January 19, 2021 2:22 PM
To: Marvin NC Manager
Subject: Sign brackets

These are the two he quoted that I sent you in the previous email.



Canterfield
Creek
Old version \$187



Weddington Chase
Old version
\$140

Sent from my iPhone

- 6600 Installation



BELMONT LN 9500

BELMONT LN 950

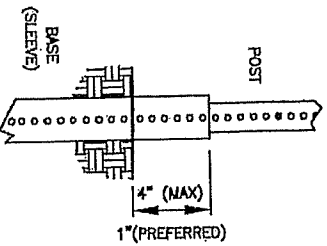
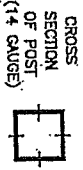
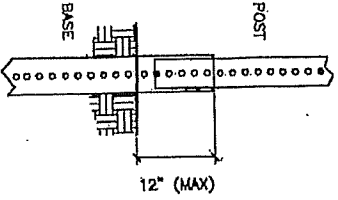
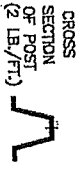


Village of Marvln		Audited Fund Balance & Budgeted Appropriations - GENERAL FUND		For Budget Year Ended June 30, 2021	
		DRAFT FY 20 Audited Financial Statement	FINAL FY21 Fund Balance Appropriations	FY21 Increases (Decreases)	FINAL FY21 Audited Financial Statement
Nonspendable:					
Prepays	30025	\$ 900	\$ 900		\$ 900
Restricted:					
Stabilization by State Statute	30041	\$ 49,327	\$ 61,635		\$ 61,635
Powell Bill		\$ -	\$ 18,341		\$ 18,341
Committed:					
Fee in Lieu for Green Space*	30044	\$ 142,762	\$ 142,762		\$ 142,762
Assigned:					
Road Maintenance	30010	\$ -	\$ -		\$ -
Loop & Greenway Maintenance	30011	\$ -	\$ -		\$ -
Village Signs	30013	\$ 20,000	\$ 20,000		\$ 20,000
Land Acquisition	30015	\$ 364,797	\$ 364,797		\$ 364,797
Capital Asset Replacement	30016	\$ 15,659	\$ 15,659		\$ 15,659
Loop & Greenway Expansion	30018	\$ 127,012	\$ 127,012		\$ 127,012
Intersection/Traffic Imprvmts	30019	\$ 99,914	\$ 99,914		\$ 99,914
Reserves	30020	\$ 161,585	\$ 161,585		\$ 161,585
Future Capital Projects	30021	\$ 7,947	\$ 7,947		\$ 7,947
Total assigned		\$ 796,914	\$ 796,914		\$ 796,914
Unassigned		\$ 626,113	\$ 1,095,473	\$ (30,000)	\$ 1,065,473
Total General Fund Balance		\$ 1,616,016	\$ 2,116,025	\$ (30,000)	\$ 2,086,025

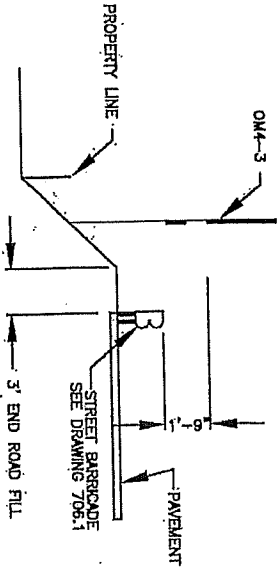
posts per spec manual

NOTES:

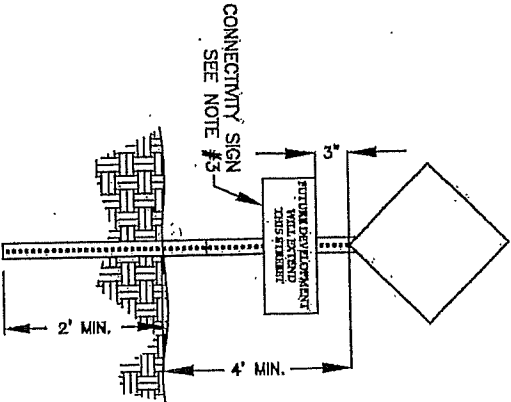
1. WHEN AN END OF ROADWAY OR STUBBED STREET REQUIRES A GUARDRAIL SECTION, END OF ROADWAY MARKER SIGNS (AUTCD OM4-3, 24"x24", SOLID RED) SHALL BE PROVIDED.
2. SIGNS ARE TO BE PLACED BEHIND THE BARRICADE (SEE DRAWINGS 707.1 & 708.1), EVENLY SPACED WITH ONE SIGN PLACED AT THE CENTERLINE LOCATION AND ADDITIONAL SIGNS AT 6' O.C. (MINIMUM OF 3 SIGNS, MAXIMUM OF 5 SIGNS).
3. WHEN BARRICADE IS USED ON A STREET STUB, THE SIGN AT THE CENTERLINE SHALL BE SUPPLEMENTED WITH A STREET CONNECTIVITY SIGN. SEE DRAWING 708.1.
4. ALL SIGNS/MARKERS SHALL MEET OR EXCEED MUTCD STANDARDS FOR RETROREFLECTIVITY.



SIGN LOCATION DETAIL



CONNECTIVITY SIGN SEE NOTE #5



NOT TO SCALE

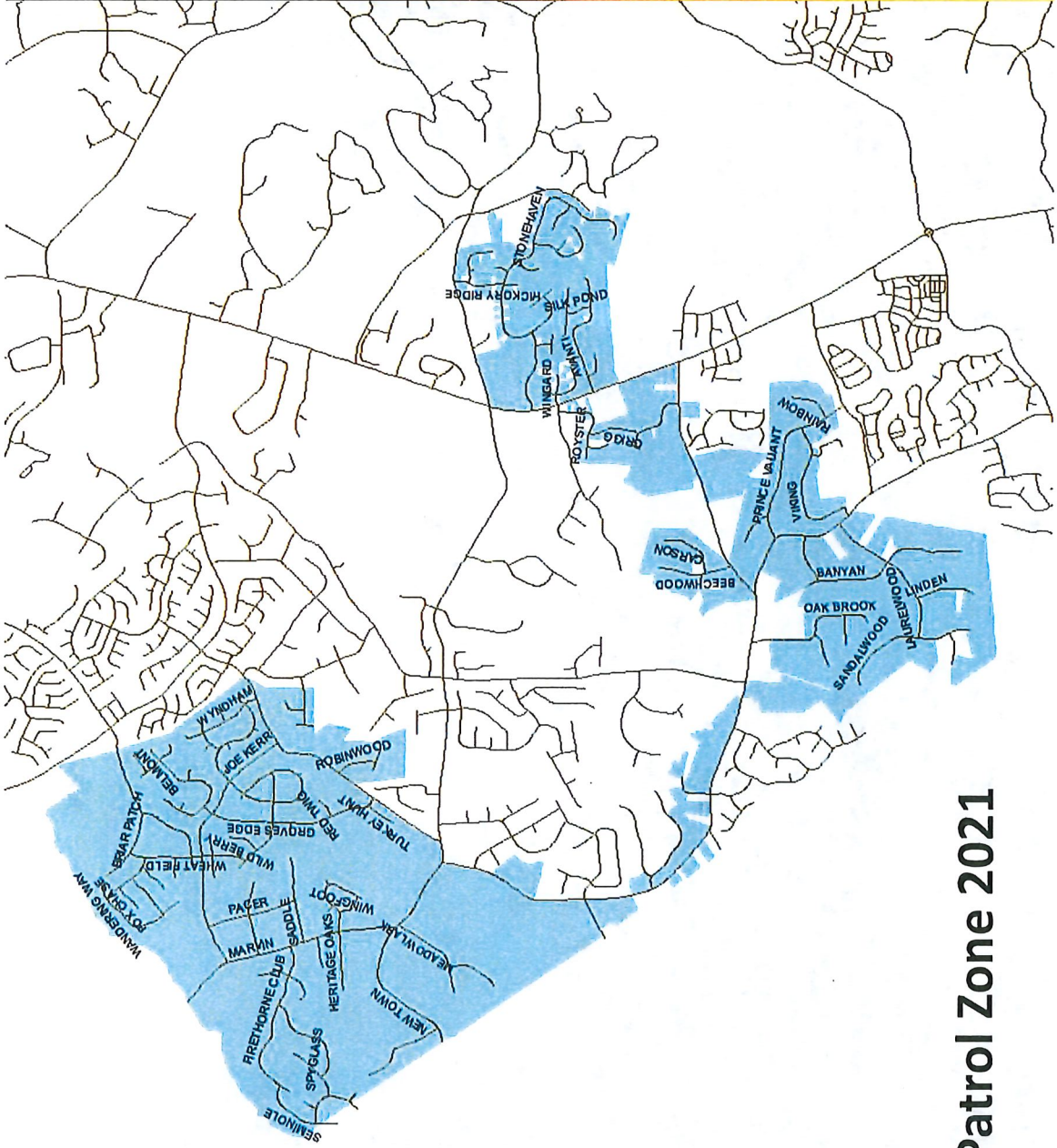


Marvin Contract



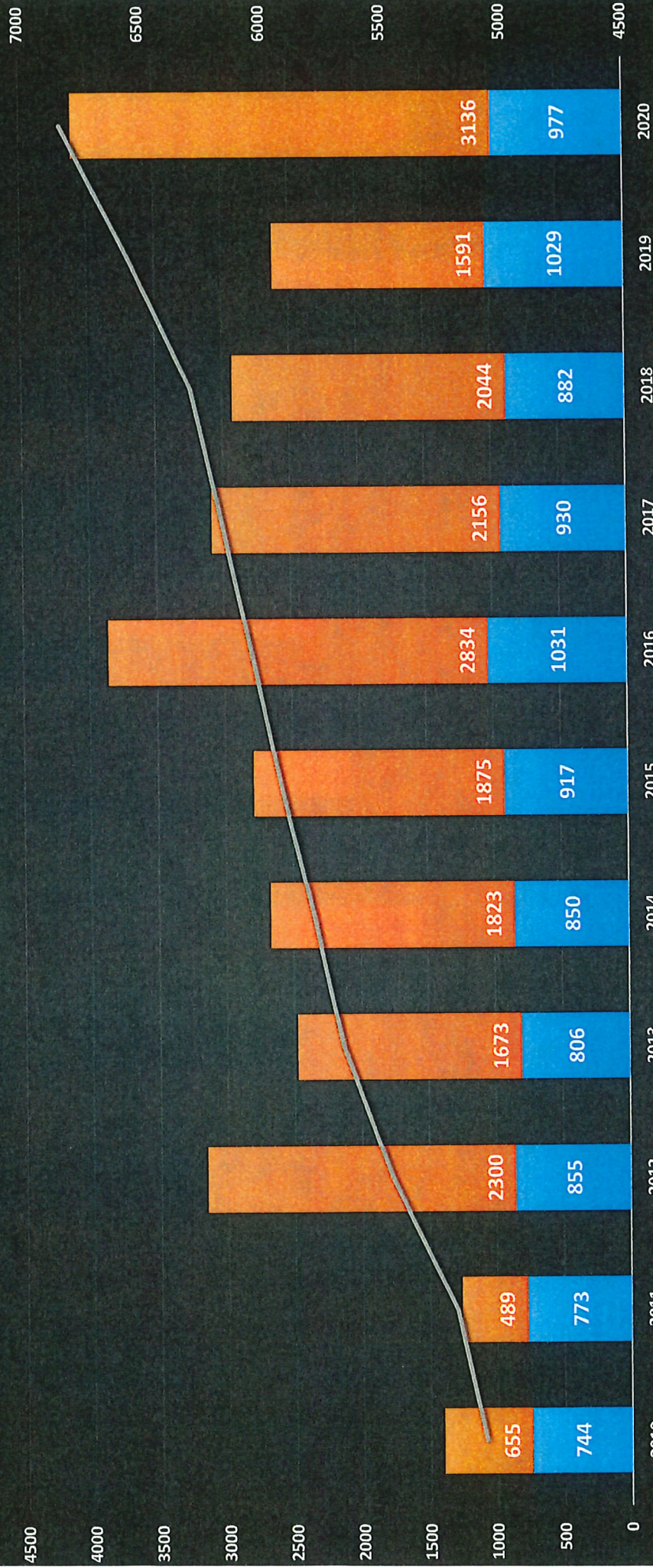
** Marvin established a
contracted Patrol Deputy in
March 2005.

Item
G. I. C.



Marvin Patrol Zone 2021

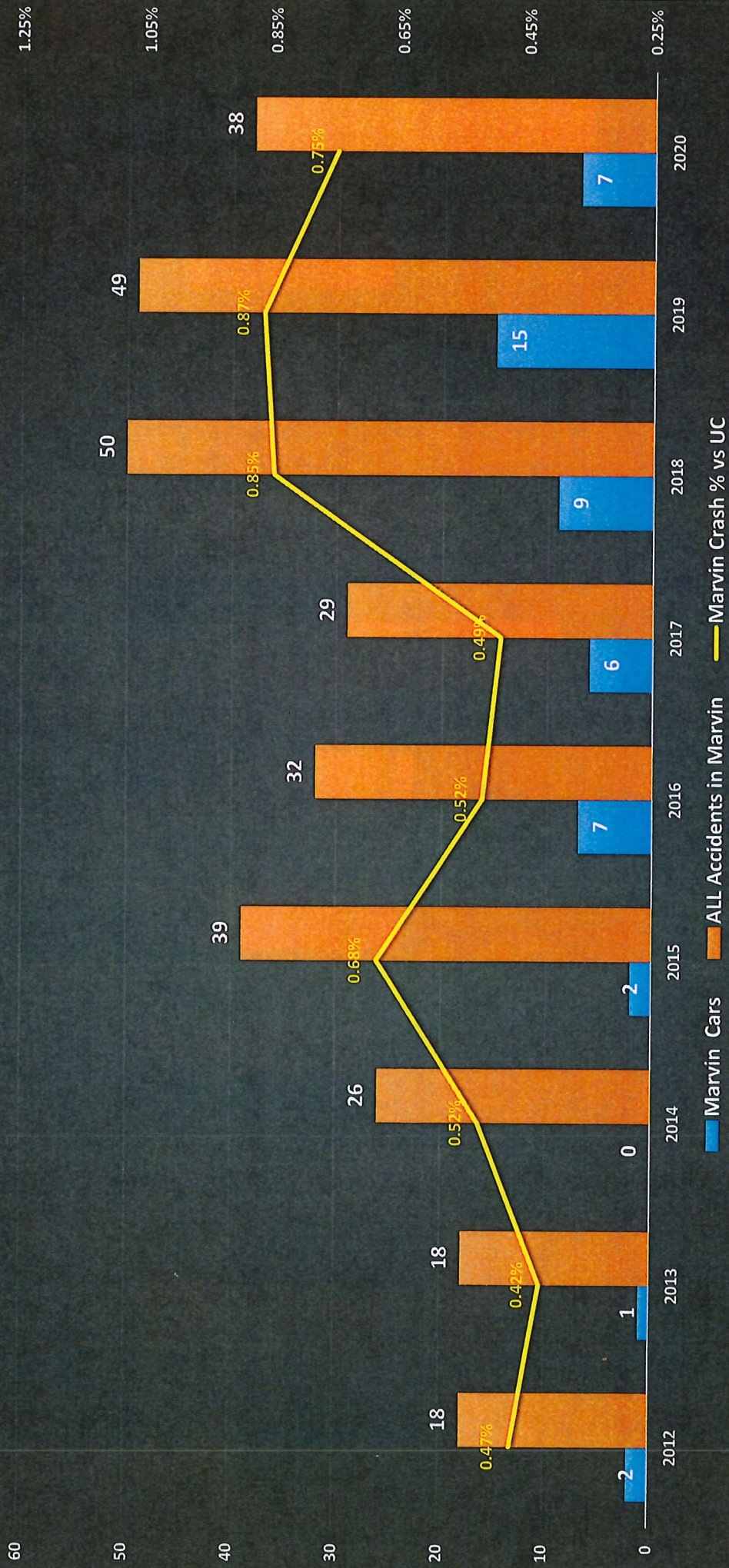
Marvin Patrol Events



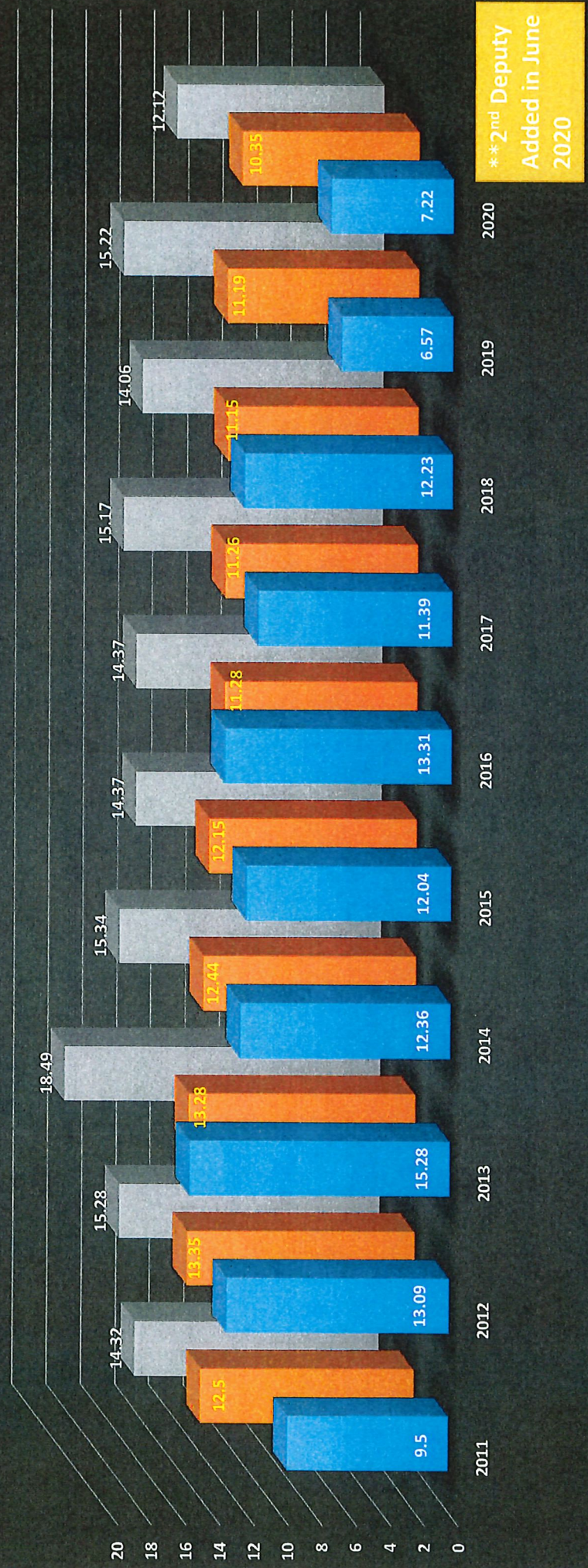
■ Calls For Service
 ■ Self Int
 — Population

**** 2nd Deputy Added in June 2020**

Marvin Car Crashes



Marvin - First Dispatch to First Arrive



■ Marvin Cars Response Times ■ UCSCO Time Countywide ■ All Units in Marvin

**2nd Deputy Added in June 2020

Item G.I.E.

Administrator

From: Epperson, Sean M <smepperson@ncdot.gov>
Sent: Thursday, February 18, 2021 9:36 AM
To: Administrator
Subject: RE: [External] RE: RAB New Town and Marvin - Crash Data
Attachments: 41000046007_Union_NewTownAtMarvin_SealedAnalysis_021721.pdf;
Union_NewTownAtMarvin_OriginalAnalysis.pdf

Here are some details I pulled from the reports that I feel are important.

Original Study

- Study Dates – 3/1/2012 to 2/28/2017
- Total Crashes – 38
- Fatal or A Injury Crashes – 0
- B or C Injury Crashes – 10
- Property Damage Only Crashes – 28
- Angle, Left Turn Different Roadway and Left Turn Same Roadway (types correctable by a RAB) Crashes – 18

New Study

- Study Dates – 1/1/2016 to 12/31/2020
- Total Crashes – 42
- Fatal or A Injury Crashes – 0
- B or C Injury Crashes – 11
- Property Damage Only Crashes – 31
- Angle, Left Turn Different Roadway and Left Turn Same Roadway (types correctable by a RAB) Crashes – 20

Sean Epperson, PE
Division Project Team Lead
NCDOT
Division 10 Project Development

704 983 4415 office
704 957 6130 mobile
smepperson@ncdot.gov

716 W. Main St
Albemarle, NC 28001

From: Administrator <administrator@marvinnc.gov>
Sent: Wednesday, February 17, 2021 10:16 AM
To: Epperson, Sean M <smepperson@ncdot.gov>
Subject: [External] RE: RAB New Town and Marvin - Crash Data

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So what does this mean?

Item G. l. e.

NCDOT Safety Project Work Product

Work Order Number: 41000036391

Crash Analysis for Reported Crashes at the Intersection of SR 1315 (New Town Road) and SR 1312 (Marvin Road) in Union County

Document Prepared By:

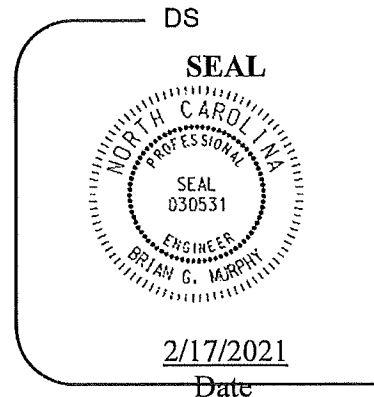
Safety Planning Group
Traffic Safety Unit
Transportation Mobility and Safety Division
North Carolina Department of Transportation

Principal Investigator

DocuSigned by:
Brian G. Murphy

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Brian G. Murphy, PE
Safety Planning Engineer



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

Study Criteria Summary

County: UNION City: All and Rural
Date: 01/01/2016 to 12/31/2020 Study: 41000036391U
Location: SR 1315 (New Town Rd) at SR 1312 (Marvin Rd)
34.99503, -80.82104

Report Details

Acc No	Crash ID	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
					F	A	B	C	R	L	W	Ch	Ci	Dv	Op
1	104607607	01/04/2016 11:02	REAR END, SLOW OR STOP	\$ 2	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 40 MPH Dir: S	Veh Mnvr / Ped Actn:	11	Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn:	1	Obj Strk:									
2	104652700	02/16/2016 17:30	REAR END, SLOW OR STOP	\$ 210	0	0	0	1	1	1	2	1	0	9	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 2 MPH Dir: E	Veh Mnvr / Ped Actn:	11	Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: E	Veh Mnvr / Ped Actn:	1	Obj Strk:									
3	104701561	04/11/2016 15:02	LEFT TURN, DIFFERENT ROADWAYS	\$ 3500	0	0	0	0	1	1	2	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 1 MPH Dir: S	Veh Mnvr / Ped Actn:	8	Obj Strk:									
Unit	2 : 5	Alchl/Drugs: 0	Speed: 1 MPH Dir: E	Veh Mnvr / Ped Actn:	8	Obj Strk:									
4	104759808	06/08/2016 18:07	FIXED OBJECT	\$ 500	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 31	Alchl/Drugs: 0	Speed: 2 MPH Dir: S	Veh Mnvr / Ped Actn:	10	Obj Strk: 33									
5	104838342	08/30/2016 17:37	REAR END, SLOW OR STOP	\$ 400	0	0	0	1	1	1	1	1	0	1	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn:	4	Obj Strk:									
Unit	2 : 5	Alchl/Drugs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn:	4	Obj Strk:									
6	104876332	10/10/2016 14:25	REAR END, SLOW OR STOP	\$ 3000	0	0	0	0	1	1	1	1	0	13	1
Unit	1 : 2	Alchl/Drugs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn:	4	Obj Strk:									
Unit	2 : 4	Alchl/Drugs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn:	4	Obj Strk:									
7	104906588	11/08/2016 13:10	LEFT TURN, DIFFERENT ROADWAYS	\$ 11000	0	0	0	1	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 15 MPH Dir: S	Veh Mnvr / Ped Actn:	8	Obj Strk:									
Unit	2 : 2	Alchl/Drugs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn:	4	Obj Strk:									
8	104928901	11/28/2016 08:24	FIXED OBJECT	\$ 5000	0	0	0	0	1	1	2	1	0	1	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 15 MPH Dir: SE	Veh Mnvr / Ped Actn:	8	Obj Strk: 33									

02/17/2021

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

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

Acc No	Crash ID	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
					F	A	B	C	R	L	W	Ch	Ci	Dv	Op
9	104941740	12/07/2016 16:40	LEFT TURN, DIFFERENT ROADWAYS	\$ 8000	0	0	0	0	1	1	2	1	0	1	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 2 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 4	Alchl/Drugs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
10	104953670	12/15/2016 08:03	LEFT TURN, DIFFERENT ROADWAYS	\$ 9000	0	0	1	1	1	1	1	5	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 30 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
11	104973873	01/12/2017 08:24	LEFT TURN, DIFFERENT ROADWAYS	\$ 10000	0	0	0	0	2	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 15 MPH Dir: SE	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 3	Alchl/Drugs: 0	Speed: 35 MPH Dir: NW	Veh Mnvr / Ped Actn: 4		Obj Strk:									
12	105005560	02/05/2017 14:08	REAR END, SLOW OR STOP	\$ 3000	0	0	2	0	1	1	1	1	0	0	
Unit	1 : 4	Alchl/Drugs: 0	Speed: 20 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: E	Veh Mnvr / Ped Actn: 1		Obj Strk:									
13	105035060	03/07/2017 13:02	LEFT TURN, DIFFERENT ROADWAYS	\$ 8500	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: SE	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 35 MPH Dir: SW	Veh Mnvr / Ped Actn: 4		Obj Strk:									
14	105124657	05/20/2017 10:45	LEFT TURN, SAME ROADWAY	\$ 13000	0	0	1	0	1	1	1	1	0	13	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 10 MPH Dir: NE	Veh Mnvr / Ped Actn: 8		Obj Strk:									
15	105127218	05/30/2017 17:44	REAR END, SLOW OR STOP	\$ 3000	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 4	Alchl/Drugs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									
16	105191437	08/15/2017 13:40	LEFT TURN, DIFFERENT ROADWAYS	\$ 900	0	0	0	0	1	1	1	5	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 5	Alchl/Drugs: 0	Speed: 30 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
17	105245836	10/07/2017 18:46	LEFT TURN, DIFFERENT ROADWAYS	\$ 2800	0	0	0	0	2	1	3	1	0	1	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 45 MPH Dir: E	Veh Mnvr / Ped Actn: 8		Obj Strk:									

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

Acc No	Crash ID	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
					F	A	B	C	R	L	W	Ch	Ci	Dv	Op
18	105246480	10/09/2017 09:42	REAR END, SLOW OR STOP	\$ 3000	0	0	0	0	1	1	2	1	0	1	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									
19	105331501	12/16/2017 22:39	FIXED OBJECT	\$ 6000	0	0	0	0	1	5	1	3	0	13	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 45 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk: 18									
20	105352906	01/15/2018 13:11	REAR END, SLOW OR STOP	\$ 1500	0	0	1	0	1	1	1	1	0	0	
Unit	1 : 2	Alchl/Drugs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 1		Obj Strk:									
21	105411350	03/13/2018 18:17	REAR END, SLOW OR STOP	\$ 15000	0	0	0	0	1	1	1	4	0	13	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 45 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 4	Alchl/Drugs: 0	Speed: 0 MPH Dir: E	Veh Mnvr / Ped Actn: 1		Obj Strk:									
22	105472695	05/08/2018 11:21	LEFT TURN, DIFFERENT ROADWAYS	\$ 2500	0	0	0	0	1	1	1	2	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 2	Alchl/Drugs: 0	Speed: 10 MPH Dir: SE	Veh Mnvr / Ped Actn: 8		Obj Strk:									
23	105513205	06/13/2018 17:27	LEFT TURN, DIFFERENT ROADWAYS	\$ 9000	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 25 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 5	Alchl/Drugs: 0	Speed: 30 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
24	105528099	06/28/2018 14:29	LEFT TURN, DIFFERENT ROADWAYS	\$ 2500	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 11	Alchl/Drugs: 0	Speed: 40 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 5	Alchl/Drugs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
25	105669976	11/07/2018 14:59	LEFT TURN, SAME ROADWAY	\$ 3500	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
26	105753955	01/24/2019 23:18	SIDESWIPE, SAME DIRECTION	\$ 1600	0	0	0	0	1	5	1	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 2 MPH Dir: SE	Veh Mnvr / Ped Actn: 7		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: SE	Veh Mnvr / Ped Actn: 1		Obj Strk:									

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

Acc No	Crash ID	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
					F	A	B	C	R	L	W	Ch	Ci	Dv	Op
27	105901431	06/11/2019 18:03	LEFT TURN, DIFFERENT ROADWAYS	\$ 13000	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 1	Alchl/Drgs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn: 8		Obj Strk:									

28	105911135	06/19/2019 12:21	REAR END, SLOW OR STOP	\$ 3000	0	0	0	1	1	1	1	1	0	1	1
Unit	1 : 2	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 1	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									

29	105902712	06/19/2019 19:21	REAR END, SLOW OR STOP	\$ 2850	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 4	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 4	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									

30	105964083	08/19/2019 18:24	REAR END, SLOW OR STOP	\$ 7000	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 10 MPH Dir: N	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 4	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									

31	105972863	08/28/2019 19:34	LEFT TURN, DIFFERENT ROADWAYS	\$ 5500	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 4	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 4	Alchl/Drgs: 0	Speed: 40 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									

32	105976731	09/03/2019 08:32	RIGHT TURN, DIFFERENT ROADWAYS	\$ 5500	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 5 MPH Dir: NW	Veh Mnvr / Ped Actn: 7		Obj Strk:									
Unit	2 : 2	Alchl/Drgs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									

33	105987609	09/11/2019 20:38	REAR END, SLOW OR STOP	\$ 2000	0	0	0	0	1	5	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 12		Obj Strk:									
Unit	2 : 4	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									

34	106014263	10/01/2019 14:20	LEFT TURN, DIFFERENT ROADWAYS	\$ 20000	0	0	1	2	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 5 MPH Dir: SE	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 3	Alchl/Drgs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									

35	106043036	10/30/2019 16:02	REAR END, SLOW OR STOP	\$ 5500	0	0	0	0	3	1	3	1	0	1	1
Unit	1 : 4	Alchl/Drgs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 5	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									

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

Acc No	Crash ID	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl		
					F	A	B	C	R	L	W	Ch	Ci	Dv	Op	
36	106096614	12/14/2019 19:09	LEFT TURN, DIFFERENT ROADWAYS	\$ 2700	0	0	0	0	1	5	1	5	0	1	1	
Unit	1 : 1	Alchl/Drugs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:										
Unit	2 : 1	Alchl/Drugs: 0	Speed: 30 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:										

37	106188553	03/10/2020 15:56	REAR END, SLOW OR STOP	\$ 800	0	0	0	0	1	1	2	1	0	1	1	
Unit	1 : 1	Alchl/Drugs: 0	Speed: 30 MPH Dir: S	Veh Mnvr / Ped Actn: 11		Obj Strk:										
Unit	2 : 4	Alchl/Drugs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 11		Obj Strk:										

38	106275266	07/12/2020 10:13	LEFT TURN, DIFFERENT ROADWAYS	\$ 15000	0	0	1	1	1	1	1	1	0	1	1	
Unit	1 : 5	Alchl/Drugs: 0	Speed: 5 MPH Dir: SE	Veh Mnvr / Ped Actn: 8		Obj Strk:										
Unit	2 : 3	Alchl/Drugs: 0	Speed: 45 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:										

39	106378120	10/21/2020 14:42	LEFT TURN, DIFFERENT ROADWAYS	\$ 6500	0	0	0	0	1	1	1	1	0	1	1	
Unit	1 : 4	Alchl/Drugs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:										
Unit	2 : 5	Alchl/Drugs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn: 8		Obj Strk:										

40	106437279	12/14/2020 20:19	LEFT TURN, DIFFERENT ROADWAYS	\$ 21200	0	0	1	0	1	5	1	1	0	1	1	
Unit	1 : 4	Alchl/Drugs: 0	Speed: 35 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:										
Unit	2 : 4	Alchl/Drugs: 0	Speed: 30 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:										

41	106442781	12/21/2020 14:30	REAR END, SLOW OR STOP	\$ 2000	0	0	0	0	1	1	1	1	0	1	1	
Unit	1 : 4	Alchl/Drugs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 11		Obj Strk:										
Unit	2 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:										

42	106443642	12/22/2020 14:01	REAR END, SLOW OR STOP	\$ 2000	0	0	0	0	1	1	1	1	0	1	1	
Unit	1 : 2	Alchl/Drugs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:										
Unit	2 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		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/Drugs - 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
 Intersection Analysis Report

Summary Statistics

High Level Crash Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	42	100.00
Fatal Crashes	0	0.00
Non-Fatal Injury Crashes	11	26.19
Total Injury Crashes	11	26.19
Property Damage Only Crashes	31	73.81
Night Crashes	5	11.90
Wet Crashes	3	7.14
Alcohol/Drugs Involvement Crashes	0	0.00

Crash Severity Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	42	100.00
Fatal Crashes	0	0.00
Class A Crashes	0	0.00
Class B Crashes	7	16.67
Class C Crashes	4	9.52
Property Damage Only Crashes	31	73.81

Vehicle Exposure Statistics

Annual ADT = 13800

Total Vehicle Exposure = 25.21 (MEV)

Crash Rate	Crashes Per 100 Million Vehicles Entered
Total Crash Rate	166.58
Fatal Crash Rate	0.00
Non Fatal Crash Rate	43.63
Night Crash Rate	19.83
Wet Crash Rate	11.90
EPDO Rate	489.44

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

Miscellaneous Statistics

Severity Index =	2.94
EPDO Crash Index =	123.40
Estimated Property Damage Total = \$	240962.00

Accident Type Summary

Accident Type	Number of Crashes	Percent of Total
FIXED OBJECT	3	7.14
LEFT TURN, DIFFERENT ROADWAYS	18	42.86
LEFT TURN, SAME ROADWAY	2	4.76
REAR END, SLOW OR STOP	17	40.48
RIGHT TURN, DIFFERENT ROADWAYS	1	2.38
SIDESWIPE, SAME DIRECTION	1	2.38

Injury Summary

Injury Type	Number of Injuries	Percent of Total
Fatal Injuries	0	0.00
Class A Injuries	0	0.00
Class B Injuries	8	50.00
Class C Injuries	8	50.00
Total Non-Fatal Injuries	16	100.00
Total Injuries	16	100.00

North Carolina Department of Transportation
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Intersection Analysis Report

Monthly Summary

Month	Number of Crashes	Percent of Total
Jan	4	9.52
Feb	2	4.76
Mar	3	7.14
Apr	1	2.38
May	3	7.14
Jun	6	14.29
Jul	1	2.38
Aug	4	9.52
Sep	2	4.76
Oct	6	14.29
Nov	3	7.14
Dec	7	16.67

Daily Summary

Day	Number of Crashes	Percent of Total
Mon	9	21.43
Tue	13	30.95
Wed	10	23.81
Thu	4	9.52
Fri	0	0.00
Sat	4	9.52
Sun	2	4.76

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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	0	0.00
0800-0859	4	9.52
0900-0959	1	2.38
1000-1059	2	4.76
1100-1159	2	4.76
1200-1259	1	2.38
1300-1359	4	9.52
1400-1459	8	19.05
1500-1559	2	4.76
1600-1659	2	4.76
1700-1759	4	9.52
1800-1859	5	11.90
1900-1959	3	7.14
2000-2059	2	4.76
2100-2159	0	0.00
2200-2259	1	2.38
2300-2359	1	2.38

North Carolina Department of Transportation
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Intersection Analysis Report

Light and Road Conditions Summary

Condition	Dry	Wet	Other	Total
Day	34	3	0	37
Dark	5	0	0	5
Other	0	0	0	0
Total	39	3	0	42

Object Struck Summary

Object Type	Times Struck	Percent of Total
MOVABLE OBJECT	1	33.33
TREE	2	66.67

Vehicle Type Summary

Vehicle Type	Number Involved	Percent of Total
LIGHT TRUCK (MINI-VAN, PANEL)	3	3.70
PASSENGER CAR	37	45.68
PICKUP	7	8.64
POLICE	1	1.23
SINGLE UNIT TRUCK (3 OR MORE AXLES)	1	1.23
SPORT UTILITY	24	29.63
VAN	8	9.88

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

Yearly Totals Summary

Accident Totals

Year	Total Accidents	Fatal Accidents	Injury Accidents	Property Damage Only Accidents
2016	10	0	4	6
2017	9	0	2	7
2018	6	0	1	5
2019	11	0	2	9
2020	6	0	2	4
Total	42	0	11	31

Injury Totals

Year	Fatal Injuries	Class A, B, or C Injuries
2016	0	5
2017	0	3
2018	0	1
2019	0	4
2020	0	3
Total	0	16

Miscellaneous Totals

Year	Property Damage	EPDO Index
2016	\$ 40612	39.60
2017	\$ 50200	23.80
2018	\$ 34000	13.40
2019	\$ 68650	25.80
2020	\$ 47500	20.80
Total	\$ 240962	123.40

Type of Accident Totals

Year	Left Turn	Right Turn	Run Off Road &					Other
			Rear End	Fixed Object	Angle	Side Swipe		
2016	4	0	4	2	0	0	0	
2017	5	0	3	1	0	0	0	
2018	4	0	2	0	0	0	0	
2019	4	1	5	0	0	1	0	
2020	3	0	3	0	0	0	0	

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

Year	Left Turn	Right Turn	Rear End	Run Off Road & Fixed Object	Angle	Side Swipe	Other
Total	20	1	17	3	0	1	0



10-17-2018

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION


ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

April 13, 2017

MEMORANDUM

TO: M. Pate Butler, PE
Regional Traffic Engineer

FROM: Brian G. Murphy, PE
Safety Planning Engineer 

SUBJECT: Crash Analysis for Reported Crashes at the Intersection of SR 1315 (New Town Road) and SR 1312 (Marvin Road) in Union County

WORK ORDER NUMBER: 41000046007

Attached you will find the requested Crash Analysis information for the time period of 3/1/2012 to 2/28/2017. 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 records that have occurred in the location described above.

BGM: bgm

Attachments

cc: Shawn Troy, PE
Stephen Lowry, PE

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
TRANSPORTATION MOBILITY & SAFETY DIVISION
1561 MAIL SERVICE CENTER
RALEIGH, NC 27699-1561

Telephone: (919) 814-5000
Fax: (919) 771-2745
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
750 N. GREENFIELD PARKWAY
GARNER, NC 27529

NCDOT Safety Project Work Product

Work Order Number: 41000046007

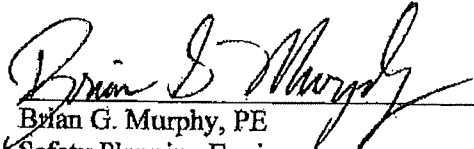
**Crash Analysis for Reported Crashes at the Intersection of SR 1315 (New
Town Road) and SR 1312 (Marvin Road) in Union County**

Document Prepared By:

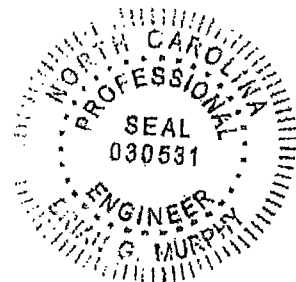
Safety Planning Group
Traffic Safety Unit
Transportation Mobility and Safety Division
North Carolina Department of Transportation

Principal Investigator

SEAL


Brian G. Murphy, PE
Safety Planning Engineer

4/13/2017
Date



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

Acc No	Crash ID	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
					F	A	B	C	R	L	W	Ch	Cl	Dv	Op
9	103889929	11/01/2013 16:59	REAR END, SLOW OR STOP	\$ 5500	0	0	0	0	2	1	3	5	0	13	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 45 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 4	Alchl/Drgs: 0	Speed: 0 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
10	103898800	11/08/2013 07:49	LEFT TURN, DIFFERENT ROADWAYS	\$ 1800	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 1	Alchl/Drgs: 0	Speed: 46 MPH Dir: E	Veh Mnvr / Ped Actn: 8		Obj Strk:									
11	103931944	12/18/2013 17:48	REAR END, SLOW OR STOP	\$ 500	0	0	0	0	1	5	1	1	0	1	1
Unit	1 : 4	Alchl/Drgs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 12		Obj Strk:									
Unit	2 : 1	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									
12	103993117	03/05/2014 11:05	SIDESWIPE, SAME DIRECTION	\$ 1000	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 25 MPH Dir: SE	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 3	Alchl/Drgs: 0	Speed: 25 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
13	104008404	03/19/2014 17:22	LEFT TURN, DIFFERENT ROADWAYS	\$ 7000	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 5 MPH Dir: E	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 5	Alchl/Drgs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
14	104020545	03/30/2014 16:21	REAR END, SLOW OR STOP	\$ 750	0	0	0	0	1	1	2	1	0	1	1
Unit	1 : 5	Alchl/Drgs: 7	Speed: 45 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 4	Alchl/Drgs: 0	Speed: 45 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									
15	104142743	08/29/2014 18:07	REAR END, SLOW OR STOP	\$ 8500	0	0	0	1	1	1	1	1	0	0	
Unit	1 : 4	Alchl/Drgs: 0	Speed: 45 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 1	Alchl/Drgs: 0	Speed: 0 MPH Dir: W	Veh Mnvr / Ped Actn: 1		Obj Strk:									
16	104155374	09/16/2014 08:16	ANGLE	\$ 25000	0	0	0	4	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 35 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 2	Alchl/Drgs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	3 : 1	Alchl/Drgs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
17	104164745	09/26/2014 07:40	LEFT TURN, DIFFERENT ROADWAYS	\$ 3700	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 5 MPH Dir: E	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 10	Alchl/Drgs: 0	Speed: 30 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									

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

Acc No	Crash ID	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
					F	A	B	C	R	L	W	Ch	Ci	Dv	Op
18	104242919	12/11/2014 13:11	REAR END, SLOW OR STOP	\$ 4000	0	0	0	0	1	1	1	1	0	13	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 4	Alchl/Drgs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									
19	104280601	01/28/2015 13:18	LEFT TURN, SAME ROADWAY	\$ 4000	0	0	0	0	1	1	1	1	0	13	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 25 MPH Dir: E	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 4	Alchl/Drgs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
20	104375199	05/09/2015 13:05	REAR END, SLOW OR STOP	\$ 5000	0	0	0	0	1	1	1	1	0	13	1
Unit	1 : 4	Alchl/Drgs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 2	Alchl/Drgs: 0	Speed: 0 MPH Dir: E	Veh Mnvr / Ped Actn: 1		Obj Strk:									
21	104415716	06/23/2015 19:09	LEFT TURN, DIFFERENT ROADWAYS	\$ 9500	0	0	0	1	1	1	2	1	0	1	1
Unit	1 : 2	Alchl/Drgs: 0	Speed: 10 MPH Dir: SW	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 1	Alchl/Drgs: 0	Speed: 35 MPH Dir: NW	Veh Mnvr / Ped Actn: 4		Obj Strk:									
22	104478002	08/28/2015 15:49	LEFT TURN, DIFFERENT ROADWAYS	\$ 9000	0	0	0	3	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 15 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 2	Alchl/Drgs: 0	Speed: 45 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
23	104512342	10/07/2015 15:39	ANGLE	\$ 4000	0	0	0	0	1	1	1	1	0	13	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 12		Obj Strk:									
Unit	2 : 1	Alchl/Drgs: 0	Speed: 25 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
24	104521738	10/12/2015 13:52	REAR END, SLOW OR STOP	\$ 1500	0	0	0	0	1	1	1	2	0	1	1
Unit	1 : 4	Alchl/Drgs: 7	Speed: 7 MPH Dir: S	Veh Mnvr / Ped Actn: 11		Obj Strk:									
Unit	2 : 4	Alchl/Drgs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									
25	104532161	10/22/2015 18:37	REAR END, SLOW OR STOP	\$ 2800	0	0	0	0	1	2	1	1	0	0	
Unit	1 : 1	Alchl/Drgs: 0	Speed: 35 MPH Dir: SE	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 2	Alchl/Drgs: 0	Speed: 5 MPH Dir: SE	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	3 : 4	Alchl/Drgs: 0	Speed: 0 MPH Dir: SE	Veh Mnvr / Ped Actn: 4		Obj Strk:									
26	104589027	12/17/2015 08:14	REAR END, SLOW OR STOP	\$ 400	0	0	0	0	2	1	2	1	0	1	1
Unit	1 : 2	Alchl/Drgs: 0	Speed: 45 MPH Dir: SE	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 5	Alchl/Drgs: 0	Speed: 45 MPH Dir: SE	Veh Mnvr / Ped Actn: 1		Obj Strk:									

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

Acc No	Crash ID	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
					F	A	B	C	R	L	W	Ch	Cl	Dv	Op
27	104807607	01/04/2016 11:02	REAR END, SLOW OR STOP	\$ 2	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 40 MPH Dir: S	Veh Mnvr / Ped Actn: 11		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 1		Obj Strk:									
28	104652700	02/16/2016 17:30	REAR END, SLOW OR STOP	\$ 210	0	0	0	1	1	1	2	1	0	9	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 2 MPH Dir: E	Veh Mnvr / Ped Actn: 11		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 0 MPH Dir: E	Veh Mnvr / Ped Actn: 1		Obj Strk:									
29	104701561	04/11/2016 15:02	LEFT TURN, DIFFERENT ROADWAYS	\$ 3500	0	0	0	0	1	1	2	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 1 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 5	Alchl/Drugs: 0	Speed: 1 MPH Dir: E	Veh Mnvr / Ped Actn: 8		Obj Strk:									
30	104759808	06/08/2016 18:07	FIXED OBJECT	\$ 500	0	0	0	0	1	1	1	1	0	1	1
Unit	1 : 31	Alchl/Drugs: 0	Speed: 2 MPH Dir: S	Veh Mnvr / Ped Actn: 10		Obj Strk: 33									
31	104838342	08/30/2016 17:37	REAR END, SLOW OR STOP	\$ 400	0	0	0	1	1	1	1	1	0	1	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 5 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 5	Alchl/Drugs: 0	Speed: 0 MPH Dir: S	Veh Mnvr / Ped Actn: 4		Obj Strk:									
32	104876332	10/10/2016 14:25	REAR END, SLOW OR STOP	\$ 3000	0	0	0	0	1	1	1	1	0	13	1
Unit	1 : 2	Alchl/Drugs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 4	Alchl/Drugs: 0	Speed: 35 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
33	104906588	11/08/2016 13:10	LEFT TURN, DIFFERENT ROADWAYS	\$ 11000	0	0	0	1	1	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 15 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 2	Alchl/Drugs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
34	104928901	11/28/2016 08:24	FIXED OBJECT	\$ 5000	0	0	0	0	1	1	2	1	0	1	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 15 MPH Dir: SE	Veh Mnvr / Ped Actn: 8		Obj Strk: 33									
35	104941740	12/07/2016 16:40	LEFT TURN, DIFFERENT ROADWAYS	\$ 8000	0	0	0	0	1	1	2	1	0	1	1
Unit	1 : 4	Alchl/Drugs: 0	Speed: 2 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 4	Alchl/Drugs: 0	Speed: 35 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									
36	104953670	12/15/2016 08:03	LEFT TURN, DIFFERENT ROADWAYS	\$ 9000	0	0	1	1	1	1	1	5	0	1	1
Unit	1 : 1	Alchl/Drugs: 0	Speed: 10 MPH Dir: S	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 1	Alchl/Drugs: 0	Speed: 30 MPH Dir: W	Veh Mnvr / Ped Actn: 4		Obj Strk:									

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

Acc No	Crash ID	Date	Accident Type	Total Damage	Injuries				Condition			Road		Trfc Ctl	
					F	A	B	C	R	L	W	Ch	Ci	Dv	Op
37	104973873	01/12/2017 08:24	LEFT TURN, DIFFERENT ROADWAYS	\$ 10000	0	0	0	0	2	1	1	1	0	1	1
Unit	1 : 1	Alchl/Drgs: 0	Speed: 15 MPH Dir: SE	Veh Mnvr / Ped Actn: 8		Obj Strk:									
Unit	2 : 3	Alchl/Drgs: 0	Speed: 35 MPH Dir: NW	Veh Mnvr / Ped Actn: 4		Obj Strk:									

38	105005560	02/05/2017 14:08	REAR END, SLOW OR STOP	\$ 3000	0	0	2	0	1	1	1	1	0	0	
Unit	1 : 4	Alchl/Drgs: 0	Speed: 20 MPH Dir: E	Veh Mnvr / Ped Actn: 4		Obj Strk:									
Unit	2 : 1	Alchl/Drgs: 0	Speed: 0 MPH Dir: E	Veh Mnvr / Ped Actn: 1		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
 Intersection Analysis Report

Summary Statistics

High Level Crash Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	38	100.00
Fatal Crashes	0	0.00
Non-Fatal Injury Crashes	10	26.32
Total Injury Crashes	10	26.32
Property Damage Only Crashes	28	73.68
Night Crashes	2	5.26
Wet Crashes	7	18.42
Alcohol/Drugs Involvement Crashes	1	2.63

Crash Severity Summary

Crash Type	Number of Crashes	Percent of Total
Total Crashes	38	100.00
Fatal Crashes	0	0.00
Class A Crashes	0	0.00
Class B Crashes	3	7.89
Class C Crashes	7	18.42
Property Damage Only Crashes	28	73.68

Vehicle Exposure Statistics

Annual ADT = 9500

Total Vehicle Exposure = 17.35 (MEV)

Crash Rate	Crashes Per 100 Million Vehicles Entered
Total Crash Rate	219.06
Fatal Crash Rate	0.00
Non Fatal Crash Rate	57.65
Night Crash Rate	11.53
Wet Crash Rate	40.35
EPDO Rate	645.64

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

Miscellaneous Statistics

Severity Index = 2.95
 EPDO Crash Index = 112.00
 Estimated Property Damage Total = \$ 183362.00

Accident Type Summary

Accident Type	Number of Crashes	Percent of Total
ANGLE	2	5.26
FIXED OBJECT	3	7.89
LEFT TURN, DIFFERENT ROADWAYS	15	39.47
LEFT TURN, SAME ROADWAY	1	2.63
REAR END, SLOW OR STOP	16	42.11
SIDESWIPE, SAME DIRECTION	1	2.63

Injury Summary

Injury Type	Number of Injuries	Percent of Total
Fatal Injuries	0	0.00
Class A Injuries	0	0.00
Class B Injuries	4	21.05
Class C Injuries	15	78.95
Total Non-Fatal Injuries	19	100.00
Total Injuries	19	100.00

$$76.8(A+R) + 8.4(B \uparrow C) + P$$

$$\frac{84 + 28}{10 \text{ \#}}$$

$$= 8.4$$

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

Monthly Summary

<u>Month</u>	<u>Number of Crashes</u>	<u>Percent of Total</u>
Jan	3	7.89
Feb	2	5.26
Mar	5	13.16
Apr	1	2.63
May	1	2.63
Jun	3	7.89
Jul	1	2.63
Aug	4	10.53
Sep	2	5.26
Oct	5	13.16
Nov	6	15.79
Dec	5	13.16

Daily Summary

<u>Day</u>	<u>Number of Crashes</u>	<u>Percent of Total</u>
Mon	7	18.42
Tue	5	13.16
Wed	10	26.32
Thu	6	15.79
Fri	5	13.16
Sat	1	2.63
Sun	4	10.53

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

Hourly Summary

<u>Hour</u>	<u>Number of Crashes</u>	<u>Percent of Total</u>
0000-0059	0	0.00
0100-0159	0	0.00
0200-0259	0	0.00
0300-0359	0	0.00
0400-0459	1	2.63
0500-0559	0	0.00
0600-0659	0	0.00
0700-0759	4	10.53
0800-0859	6	15.79
0900-0959	1	2.63
1000-1059	0	0.00
1100-1159	2	5.26
1200-1259	1	2.63
1300-1359	5	13.16
1400-1459	2	5.26
1500-1559	3	7.89
1600-1659	4	10.53
1700-1759	4	10.53
1800-1859	3	7.89
1900-1959	2	5.26
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
 Intersection Analysis Report

Light and Road Conditions Summary

Condition	Dry	Wet	Other	Total
Day	29	6	0	35
Dark	1	1	0	2
Other	1	0	0	1
Total	31	7	0	38

Object Struck Summary

Object Type	Times Struck	Percent of Total
DITCH	1	25.00
OTHER FIXED OBJECT	1	25.00
TREE	2	50.00

Vehicle Type Summary

Vehicle Type	Number Involved	Percent of Total
LIGHT TRUCK (MINI-VAN, PANEL)	2	2.67
PASSENGER CAR	34	45.33
PICKUP	9	12.00
POLICE	1	1.33
SINGLE UNIT TRUCK (2-AXLE, 6-TIRE)	1	1.33
SPORT UTILITY	22	29.33
VAN	6	8.00

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

Yearly Totals Summary

Accident Totals

Year	Total Accidents	Fatal Accidents	Injury Accidents	Property Damage Only Accidents
2012	3	0	0	3
2013	8	0	1	7
2014	7	0	2	5
2015	8	0	2	6
2016	10	0	4	6
2017	2	0	1	1
Total	38	0	10	28

Injury Totals

Year	Fatal Injuries	Class A, B, or C Injuries
2012	0	0
2013	0	3
2014	0	5
2015	0	4
2016	0	5
2017	0	2
Total	0	19

Miscellaneous Totals

Year	Property Damage	EPDO Index
2012	\$ 12000	3.00
2013	\$ 31800	15.40
2014	\$ 49950	21.80
2015	\$ 36000	22.80
2016	\$ 40612	39.60
2017	\$ 13000	9.40
Total	\$ 183362	112.00

Type of Accident Totals

Year	Left Turn	Right Turn	Rear End	Run Off Road &				Other
				Fixed Object	Angle	Side Swipe		
2012	2	0	1	0	0	0	0	
2013	4	0	3	1	0	0	0	
2014	2	0	3	0	1	1	0	

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

Year	Left Turn	Right Turn	Rear End	Run Off Road &			
				Fixed Object	Angle	Side Swipe	Other
2015	3	0	4	0	1	0	0
2016	4	0	4	2	0	0	0
2017	1	0	1	0	0	0	0
Total	16	0	16	3	2	1	0
