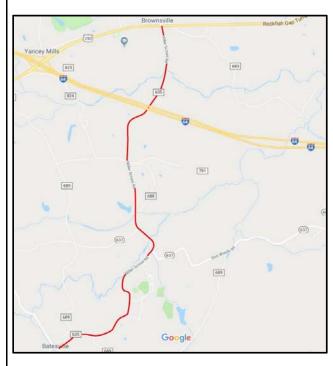
# **Through Truck Restriction Study**

Miller School Road (Route 635)

County of Albemarle Date: September 19, 2018







# Miller School Road (Route 635)

Start: US 250 (Rockfish Gap Turnpike)

**End:** Plank Road (Route 692) Segment Length: 5.0 miles

Functional Classification: Major Collector

## **Purpose of Study**

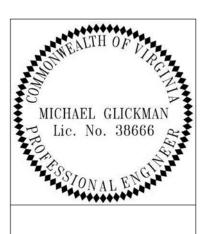
To determine if truck traffic should be restricted along Miller School Road based upon Virginia Commonwealth Transportation Board (CTB) Criteria.

# **Through Truck Route:**

US 29  $\leftrightarrow$  Plank Rd  $\leftrightarrow$  Miller School Rd  $\leftrightarrow$  US 250  $\leftrightarrow$  I-64

Length: 11.3 Miles

Average Truck Speed: 34.2 mph Total Travel Time: 19.8 minutes



AMT and Associates, Inc. Chantilly, Virginia Traffic Engineer

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- 2. Commonwealth Transportation Board (CTB) Criteria
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  - a. Roadway Information
  - b. Adjacent Residential Units
  - c. Roadway Geometrics/ Compatibility
- 6. Alternate Routes
- 7. Conclusion

# Appendix

- a. Raw Traffic Count Data
- b. Raw Crash Data

## **STUDY PURPOSE**

A. Morton Thomas and Associates, Inc. (AMT) has prepared a *Through Truck Restriction Study* for Miller School Road (Route 635) located in Albemarle County, Virginia. Miller School Road is a north-south two-lane rural roadway (5-miles in length) classified as a Major Collector that connects US 250 (Rockfish Gap Turnpike) to Plank Road (Route 692). Currently, trucks utilize Miller School Road as a short-cut to travel between US 29, via Plank Road, and US 250. The purpose of this Study is to document the impacts of trucks traveling along Miller School Road and provide conclusions regarding the potential for implementing future restrictions based upon criteria set forth by the Virginia Commonwealth Transportation Board (CTB). According to the Code of Virginia § 46.2-809, "A through truck is defined as any truck or truck and trailer or semitrailer combination, except a pickup or panel truck, that travels from one point to another and having no origin or destination along the route(s) traveled".

The following maximum vehicle dimensions currently allowed on Miller School Road are based upon "Virginia's Size, Weight and Equipment Requirements for Trucks Trailers and Towed Vehicles, by the Virginia Department of Motor Vehicles:

## **Maximum Length**

Truck - 40 feet excluding load.

Semi-trailer- 53 feet.

Twin Trailers - Not permitted.

Tractor Semi-trailer Combinations - No overall length limitations except where prohibited.

Combination of a towing vehicle and any manufactured home - 65 feet including load.

#### Maximum Width

All Vehicles - 102 inches excluding mirror and any warning device installed on a school bus.

#### Maximum Height

All Vehicles - 13 feet 6 inches.

# VIRGINIA COMMONWEALTH TRANSPORTATION BOARD (CTB) CRITERIA

The following criteria were adopted by the Virginia Commonwealth Transportation Board (CTB) on October 16, 2003 and included in: "Guidelines for Considering Requests to Restrict Through Trucks on Primary and Secondary Highways".

#### Criteria:

Travel by any class of vehicle should be restricted only upon demonstration that it will promote the health, safety and welfare of the citizens of the Commonwealth without creating an undue hardship on any users of the transportation network. The Virginia Department of Transportation will consider criteria 1 through 4 in reviewing a requested through truck restriction. The proposed restriction must meet both the first and second criteria in order to be approved:

- 1. Reasonable alternate routing is provided. The alternate route will be evaluated for traffic and safety related impacts. To be considered "reasonable", the alternate route(s) must be engineered to a standard sufficient for truck travel, and must be judged at least as appropriate for truck traffic as the requested truck restriction route. If an alternate route must be upgraded, the improvement shall be completed before the truck restriction can be implemented. The termini of the proposed restriction must be identical to the alternate routing to allow a time and distance comparison to be conducted between the two routings. Also, the alternate routing must not create an undue hardship for trucks in reaching their destination.
- 2. The character and/or frequency of the truck traffic on the route proposed for restriction is not compatible with the affected area. Evaluation will include safety issues, accident history, engineering of the roadway, vehicle composition, and other traffic engineering related issues.

In addition to meeting the first two criteria, the proposed restriction must meet <u>either</u> the third or the fourth criteria in order to be approved.

- 3. The roadway is residential in nature. Typically, the roadway will be judged to be residential if there are at least 12 dwellings combined on both sides within 150' of the existing or proposed roadway center line per 1,000 feet of roadway.
- 4. The roadway must be functionally classified as either a local or collector.

## **TRAFFIC COUNTS**

Using mio-vision camera technology, AMT collected 48-hour (in 15-minute increments) turning movements at the intersections of Miller School Road (Route 635) at US 250 (Rockfish Gap Turnpike), Miller School Road at Plank Road (Route 692) and Plank Road at US 29 (Monacan Trail Road) from March 14, 2018 (Wednesday) through March 15, 2018 (Thursday). The data was reduced to provide standard two (2) axle vehicles, long wheelbase box trucks and tractor trailers. The following summarizes the vehicle composition based upon the traffic count data collected along Miller School Road:

- Two-way ADT = 1099 vpd (south of Dick Woods Rd) to 2330 vpd (north of Dick Woods Rd)
- Total Trucks (Non Pick-up) = 118 vpd (south of Dick Woods Rd) to 148 vpd (north of Dick Woods Rd)

Raw traffic count data worksheets are provided in the **Appendix** section of this report.

## **CRASH DATA**

Virginia Roads Open Data was utilized to compile the most recent five (5) years of historic crash data (2013-2017) along Miller School Road (Route 635), from US 250 (Rockfish Gap Turnpike) to Plank Road (Route 692), in Albemarle County. Accordingly, the crash data was reviewed and documented for Years 2013-2017 to include the date, location, direction of travel, collision type, driver injury type and vehicle type. According to FHWA's methodology for calculating crash rates, Miller School Road, maintains a crash rate of 164.62 crashes per 100 million vehicle-miles of travel north of Dick Woods Road and 324.08 million vehicle-miles of travel south of Dick Woods Road. The Culpeper District Average for 2-lane Rural Roads is 147.08. Crash Rate calculations are provided in the Appendix section of this Study. The following summarizes the crash data compiled between the Years 2013 and 2017:

#### Miller School Road (Route 635)

- 34 total crashes occurred over the five (5) year period.
  - Vehicle Types (all vehicles involved): 20 Cars, 15 Pick-up Trucks/Vans/SUVs, 3 Trucks.
  - <u>Collision Types:</u> 23 Fixed Object, 3 Angle, 3 "Other", 2 Deer-Related 1 Rear-End, 1 Sideswipe, 1 Backed Into.
  - <u>Drive Injury Types:</u> 27 Property Damage Only, 4 Non-Incapacitating Injury, 2 Incapacitating Injury, 1 fatality.

# • US 250 (Rockfish Gap Turnpike) at Miller School Road

- 22 total crashes occurred over the five (5) year period.
  - Vehicle Types (all vehicles involved): 21 Cars, 33 Pick-up Trucks/Vans/SUVs, 3 Trucks.
  - Collision Types: 8 Rear-End, 5 Fixed Object, 4 Angle, 2 Head-on, 2 Sideswipe, 1 "Other".
  - Drive Injury Types: 20 Property Damage Only, 2 Non-Incapacitating Injury.

## • Plank Road (Route 692) at Miller School Road

- o 7 total crashes occurred over the five (5) year period.
  - Vehicle Types (all vehicles involved): 7 Cars, 4 Pick-up Trucks/Vans/SUVs.
  - Collision Types: 3 Fixed Object, 2 Head-on, 1 Angle, 1 Sideswipe.
  - Drive Injury Types: 6 Property Damage Only, 1 Non-Incapacitating Injury.

**Figures 1 and 2** provide the five-year crash data along Miller School Road as well as at the intersections of US 250 & Miller School Road and Plank Road & Miller School Road.

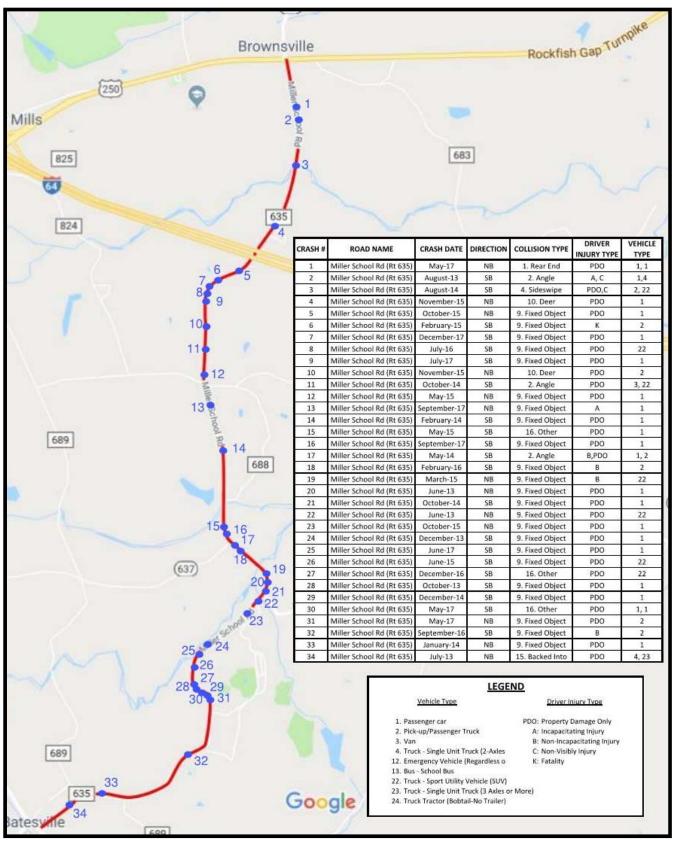


Figure 1: Five-Year Roadway Crash Data - Miller School Road (Route 635)

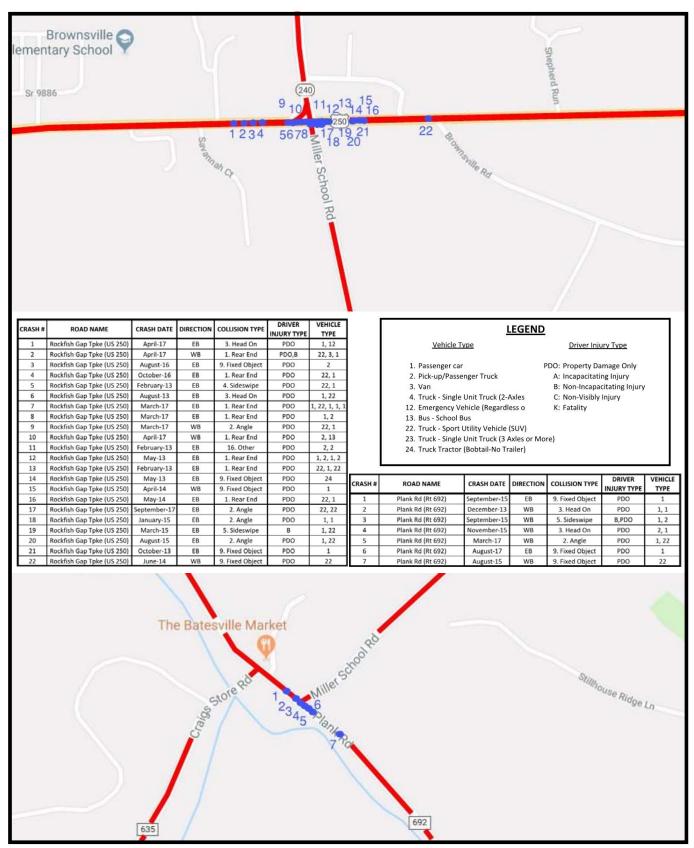


Figure 2: Five-Year Intersection Crash Data - Miller School Road (Route 635) & US 250 (Rockfish Gap Tpke) and Miller School Road & Plank Road (US 692)

## **ROADWAY CHARACTERISTICS**

# **Roadway Information**

#### Miller School Road (Route 635)

- Segment Start: US 250 (Rockfish Gap Turnpike)
- Segment End: Plank Road (Route 692)
- Roadway Length: 5.0 Miles
- VDOT Functional Classification: "Major Collector"
- Adjacent Land Uses: Residential, Private School (Miller School of Albemarle)
- Key Intersections: US 250, Midway Road (Route 688), Dick Woods Road (Route 637), Miller School
  of Albemarle Access Roadway, Pounding Creek Road (Route 689), Burchs Creek Road (Route 689)
  and Plank Road (Route 692).

Figure 4 provides photographs at various locations along northbound and southbound Miller School Road.

## **Adjacent Residential Uses**

Miller School Road provides direct access to sixty-five (65) single-family detached residential units. Per CTB's Criteria #3 described above, the roadway is judged to be "residential" if there at least 12 dwelling units combined on both sides within 150' of the centerline per 1000' of roadway. **Table 1** provides an inventory of the existing residential units located along Miller School Road.

### Roadway Geometrics/ Compatibility

AMT referenced the "Geometric Design Standards for Rural Collector Road System (GS-3)" included on Page A-14 of VDOT's <u>Road Design Manual</u> (Issued January 2005 and Revised January 2018) to determine whether Miller School Road is in current compliance with VDOT's minimum geometric design standards. Based upon the information determined in the previous sections, the following criteria were applied to the standards provided in **Table 2**.

<u>Roadway Classification:</u> Rural Major Collector <u>Posted Speed:</u> 25 mph to 50 mph (45 mph trucks)

ADT: Varies - 1099 vpd (south of Dick Woods Road) to 2033 vpd (north of Dick Woods Road)

Terrain: Rolling

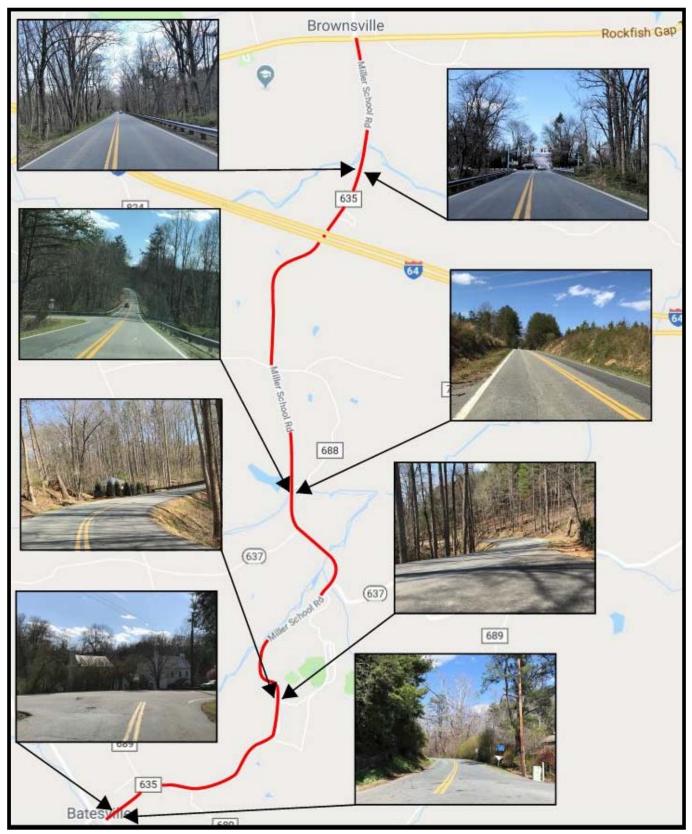


Figure 3: Photographs along Northbound and Southbound Miller School Road

# <u>Table 1</u> Miller School Road

# **Inventory of Existing Residential Units**

Roadway Segment	Inventory of Houses		n Centerline
per 1000'	North to South	West Side	East Side
•	House #1		140'
1	House #2		70'
1	House #3	70'	
	House #4		>150 '
	Total within 150'	3 U	nits
	House #5		>150 '
	House #6		>150 '
	House #7		>150 '
2	House #8	>150 '	
	House #9		>150 '
	House #10		>150 '
	House #11 House #12		>150 ' >150 '
	Total within 150'	0.11	nits
	House #13	- 00	>150 '
	House #14	>150 '	1250
3	House #15	>150 '	
	House #16	>150 '	
	House #17		>150 '
	Total within 150'	0 U	nits
4	House #18		>150 '
4	House #19	150'	
	Total within 150'	11	Init
	House #20	<150 '	
	House #21		150'
	House #22	125'	
5	House #23	<150 '	
•	House #24	145'	
	House #25	110'	
	House #26		>150 '
	House #27		>150 '
	Total within 150'	40	nits
	House #28 House #29		>150 ' >150 '
	House #30		>150 '
	House #31	90'	7130
	House #32	90'	
6	House #33	90'	
	House #34	90'	
	House #35		140'
	House #36	90'	
	House #37		120'
	House #38	100'	
	Total within 150'	8 U	nits
	House #39		>150 '
7	House #40	90'	
	House #41	150'	
	House #42		>150 '
	Total within 150'	2 U	
	House #43		>150 '
8	House #43 House #44	130'	
8	House #43 House #44 House #45	130' >150'	
8	House #43 House #44 House #45 House #46	130' >150 ' 135'	>150 '
	House #43 House #44 House #45 House #46 Total within 150'	130' >150 ' 135'	
9	House #43 House #44 House #45 House #46	130' >150 ' 135'	>150 '
	House #43 House #44 House #45 House #46 <b>Total within 150'</b> House #47	130' >150 ' 135' 2 U >150 '	>150 '
	House #43 House #44 House #45 House #46 <b>Total within 150'</b> House #47	130' >150 ' 135' 2 U >150 '	>150 '
	House #43 House #44 House #45 House #46 <b>Total within 150'</b> House #47 House #47	130' >150 ' 135' 2 U >150 '	>150 '
	House #43 House #44 House #45 House #46 Total within 150' House #47 House #48 House #49	130' >150 ' 135' 2 U >150 '	>150 '  nits  105'
9	House #43 House #44 House #45 House #46  Total within 150' House #47 House #48  House #49 House #50 House #51 House #52	130' >150 ' 135'  2 U >150' 90' >150' 145'	>150 '  nits  105'
9	House #43 House #44 House #45 House #46  Total within 150' House #47 House #48  House #50 House #51 House #52 House #53	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 145' >150 '	>150 '  nits  105' 130'
9	House #43 House #44 House #45 House #46  Total within 150' House #47 House #48  House #49 House #50 House #51 House #52 House #53 Total within 150'	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 145' >150 '	>150 '  nits  105' 130'
9	House #43 House #44 House #45 House #46  Total within 150' House #47 House #48  House #49 House #50 House #51 House #52 House #53  Total within 150' House #54	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 145' >150 '	>150 '  nits  105' 130'  nits >150 '
9	House #43 House #44 House #45 House #45 House #46  Total within 150' House #47 House #48  House #49 House #50 House #51 House #52 House #53  Total within 150' House #54 House #54 House #55	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 145' >150 '	>150 '  nits  105' 130'  nits  >150 ' 60'
9	House #43 House #44 House #45 House #46  Total within 150' House #47 House #48  House #49 House #50 House #51 House #52 House #53 Total within 150' House #54 House #55 House #55	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 145' >150 '	>150 '  nits  105' 130'  nits  >150 ' 45'
9	House #43 House #44 House #45 House #46  Total within 150'  House #47 House #48  House #49 House #50 House #51 House #52 House #53  Total within 150'  House #54 House #54 House #55 House #56 House #56	130' >150 ' 135'  2 U >150' 90'  >150 ' 145' >150 '	>150 '  nits  105' 130'  nits  >150 ' 60'
9	House #43 House #44 House #45 House #46  Total within 150' House #47 House #48  House #49 House #50 House #51 House #52 House #53  Total within 150' House #54 House #55 House #57 House #57	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 145' >150 ' 4 U	>150 '  nits  105' 130'  nits  >150 ' 45'
9	House #43 House #44 House #45 House #45 House #46  Total within 150' House #47 House #48  House #49 House #50 House #51 House #52 House #53  Total within 150' House #55 House #56 House #57 House #58 House #58 House #58	130' >150 ' 135'  2 U >150' 90'  >150 ' 145' >150 '	>150 '  105' 130'  nits  >150 ' 60' 45' 45'
9	House #43 House #44 House #45 House #45 House #46  Total within 150'  House #47 House #48  House #49 House #50 House #51 House #52 House #53  Total within 150'  House #54 House #55 House #56 House #57 House #58 House #59 House #60	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 145' >150 ' 4 U	>150 '  nits  105' 130'  nits  >150 ' 45' 45' 95'
9	House #43 House #44 House #45 House #45 House #46  Total within 150'  House #47 House #48  House #50 House #51 House #52 House #53  Total within 150'  House #54 House #55 House #55 House #56 House #57 House #58 House #59 House #60  Total within 150'	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 145' >150 ' 4 U  125' 135'	>150 '  105' 130'  nits  >150 ' 60' 45' 45'
9	House #43 House #44 House #45 House #46  Total within 150' House #47 House #48  House #49 House #50 House #51 House #52 House #53  Total within 150' House #56 House #56 House #57 House #58 House #59 House #60  Total within 150' House #60	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 4 U  125' 135'  6 U  90'	>150 '  nits  105' 130'  nits  >150 ' 45' 45' 95'
10	House #43 House #44 House #45 House #45 House #46  Total within 150' House #47 House #48  House #50 House #51 House #52 House #53  Total within 150' House #55 House #56 House #57 House #58 House #57 House #58 House #59 House #60  Total within 150' House #61 House #61 House #61	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 145' >150 ' 4 U  125' 135'	>150 '
9	House #43 House #44 House #45 House #45 House #46  Total within 150' House #47 House #48  House #49 House #50 House #51 House #52 House #53  Total within 150' House #55 House #56 House #57 House #58 House #59 House #60  Total within 150' House #61 House #62 House #62 House #63	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 4 U  125' 135'  6 U  90' 135'	>150 '  nits  105' 130'  nits  >150 '  60' 45' 45' 95'
10	House #43 House #44 House #45 House #45 House #46  Total within 150' House #47 House #48  House #50 House #51 House #52 House #53  Total within 150' House #55 House #56 House #57 House #58 House #57 House #58 House #59 House #60  Total within 150' House #61 House #61 House #61	130' >150 ' 135'  2 U >150 ' 90'  >150 ' 4 U  125' 135'  6 U  90'	>150 '

<u>Table 2</u>

Miller School Road

Geometric Design Standards for Rural Collector Road System (GS-3)

TRAFFIC VOLUME	TERRAIN	DESIGN SPEED (MPH)	MIN. RADIUS	(8) MINIMUM STOPPING SIGHT DISTANCE	(2) MIN. WIDTH OF LANE	MIN WI OF G	) (4) IMUM DTH RADED JLDERS CUT & FILL	(5) MINIMUM WIDTH OF DITCH FRONT SLOPE	(6) SLOPE	NEW AND RECONSTRUCTED MINIMUM BRIDGE WIDTHS AND VERTICAL CLEARANCES
	LEVEL	60	1204'	570'				10' @ 6:1	CS-4, CS-4A	
(1) ADT	ROLLING	50	760'	425'	12'	12'	8'		OR CS-4C	
OVER 2000	MOUNTAINOUS	45	589'	360'	] 12	12	0	6' @ 4:1	CS-3 / CS-3B	
	MOUNTAINOUS	40	446'	305'					C3-37 C3-3B	
	LEVEL	50	760'	425'					CS-4, CS-4A	
(1)	ROLLING	45	589'	360'				6' @ 4:1	OR CS-4C	
ADT 1500	ROLLING	40	446'	305'	11'	10'	6'			
TO 2000	MOUNTAINOUS	35	316'	250'				4' @ 4:1	CS-3/ CS-3B	
		30	215'	200'				1 6 1.1	00 0 00 00	See
	LEVEL	50	760'	425'					CS-4, CS-4A	Footnote
(1)	ROLLING	45	589'	360'	11'	(9)	(9)	6'@ 4:1	OR CS-4C	(7)
ADT 400	ROLLING	40	446'	305'	''	9'	5'			
TO 1500	MOUNTAINOUS	35	316'	250'			O	4' @ 4:1	CS-3/ CS-3B	
	WOONTAINOUS	30	215'	200'	10'			4 (0, 4.1	00-0/ 00-00	
	LEVEL	45	589'	360'				6' @ 4:1		
CURRENT		40	446'	305'				- G		
ADT	ROLLING	35	316'	250'	10'	8'	2'		CS-1	
UNDER 400		30	215'	200'		3	-	4' @ 4:1		
400	MOUNTAINOUS	25	135'	155'						
	1110014171114000	20	77'	125'						

Note: Table excerpted from Page A-14 of VDOT's Road Design Manual.

According to the table above, the design criteria for a Rural Collector, with volume/speed/terrain similar to Miller School Road, should maintain 11-foot lanes and minimum horizontal curve radii of 589 feet for a design speed of 45 mph and 316 feet for a design speed of 35 mph. Miller School Road generally maintains 10-foot lanes with shoulders ranging from 0 to 1 foot in width. Using aerial imagery, it was determined that four (4) of the eight (8) curves, with posted speeds ranging from 35-45 mph, maintain radii that do not meet the current VDOT standard. **Figures 4 and 5** provide the radius measurements for the eight (8) curves along Miller School Road.

Additionally, due to the angle of the northern approach to the unsignalized intersection of Miller School Road & Plank Road, turning paths for Single Unit Trucks (30-foot wheelbase), WB-40 Trucks and WB-50 Trucks were overlaid upon aerial imagery to evaluate the right-turn movement from westbound Plank Road onto northbound Miller School Road. Accordingly, **Figure 6** illustrates that each of these truck types encroach upon the southbound and/or westbound opposing lanes when turning right onto Miller School Road.

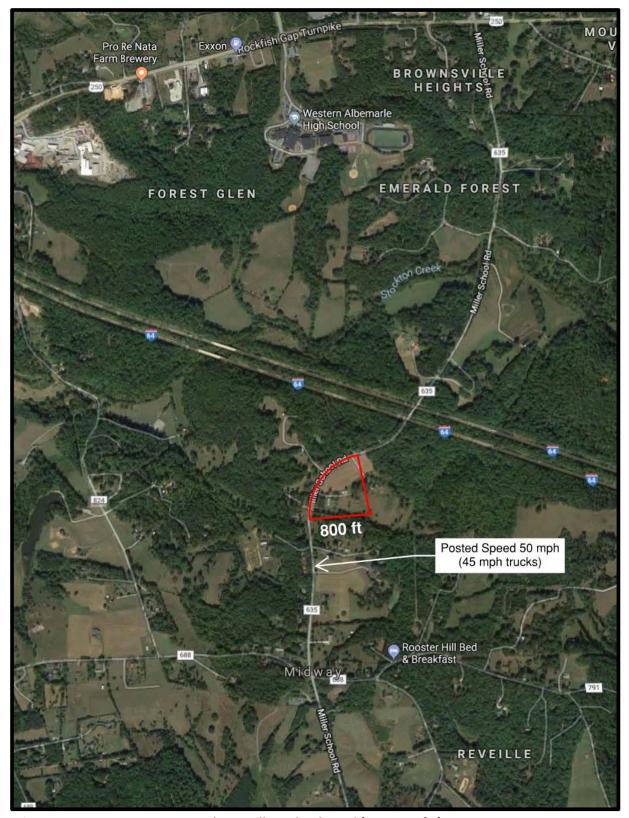


Figure 4: Curve Measurements along Miller School Road (Curve 1 of 8)

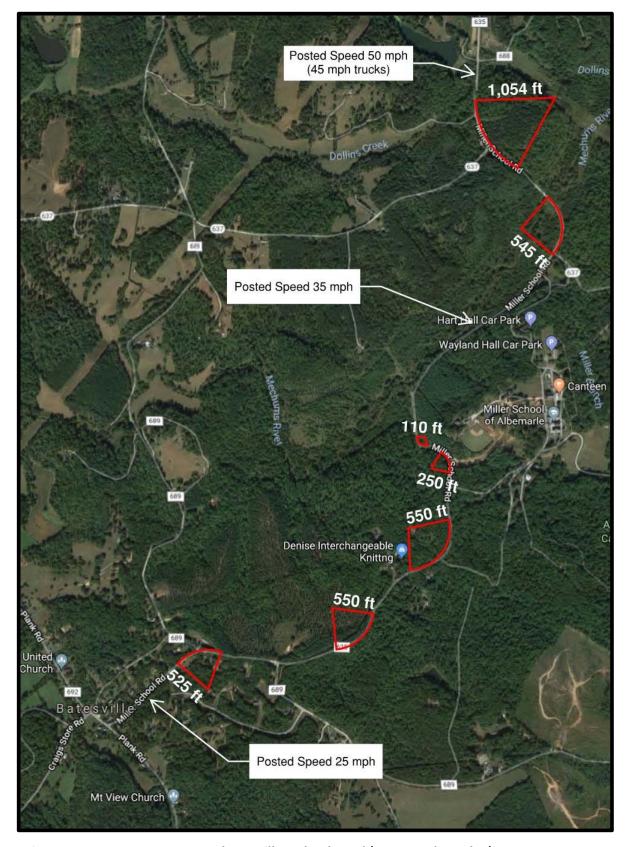


Figure 5: Curve Measurements along Miller School Road (Curves 2 through 8)



Figure 6: Turning Paths for Single Unit Trucks (30-foot wheelbase), WB-40 Trucks and WB-50 Trucks

## **ALTERNATE ROUTES**

It is assumed that trucks currently use Miller School Road, via Plank Road, to travel between US 29 and I-64. This route is 11.3 miles in length with a total travel time for trucks of 19.8 minutes based upon trip data extrapolated from Google Maps. The proposed alternate route described below, and provided on **Figure 7**, would mitigate the impacts to trucks should they be restricted from using Miller School Road. Detailed methodology for calculating *Total Travel Time* and *Average Truck Speed* are provided in the **Appendix** section of this report.

Current Route: US 29 ← Miller School Road ← US 250 ← I-64

o Length: 11.3 Miles

Average Truck Speed: 34.2 mphTotal Travel Time: 19.8 minutes

Alternate Truck Route: US 29 ↔ I-64

o Length: 19.5 Miles

o Average Truck Speed: 60.2 mph

o Total Travel Time: 19.4 minutes (Δ - 0.4 minutes)

**Figure 7: Alternative Truck Routes** Length: 11.3 Miles
Avg. Truck Speed: 34.2 mph
Duration: 19.8 minutes  $\frac{\text{Current Truck Route}}{\text{US 29} \leftrightarrow \text{Plank Rd} \leftrightarrow \text{MSR} \leftrightarrow \text{I-64}}$ Alternate Truck Route
US 29 ↔ 1-64
Length: 19.5 Miles
Avg. Truck Speed: 60.2 mph
Duration: 19.4 minutes

A. MORTON THOMAS AND ASSOCIATES, INC.

## **CONCLUSION**

The purpose of this Study was to determine if truck traffic may be restricted along Miller School Road based upon Virginia Commonwealth Transportation Board (CTB) Criteria. According to the CTB's "Guidelines for Considering Requests to Restrict Through Trucks on Primary and Secondary Highways", it has been concluded based upon the documentation included in this Study, that Miller School Road would meet the established criteria to implement the restriction. The following summarizes the results of the Study with respect to the guidelines set forth by the CTB:



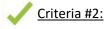
Reasonable alternate routing is provided. The alternate route will be evaluated for traffic and safety related impacts. To be considered "reasonable", the alternate route(s) must be engineered to a standard sufficient for truck travel, and must be judged at least as appropriate for truck traffic as the requested truck restriction route. If an alternate route must be upgraded, the improvement shall be completed before the truck restriction can be implemented. The termini of the proposed restriction must be identical to the alternate routing to allow a time and distance comparison to be conducted between the two routings. Also, the alternate routing must not create an undue hardship for trucks in reaching their destination.

#### **Conclusion:**

An alternative route has been provided that meet the geometric standards necessary to accommodate truck traffic and improve safety for road users in the area. The following table provides a comparison between the current route and the alternative route as depicted on **Figure 7**:

Current Route	Alternative Route
11.3 miles	19.5 miles
34.2 mph	60.2 mph
19.8 min	19.4 min
Differential	-∆ + 0.4 min

- Based upon the table above, the Alternative Route would provide a "reasonable" option for vehicles traveling between US 29 and I-64. The distance for trucks would increase by 8.2 miles, however, the overall duration would be slightly reduced from the Current Route.



The character and/or frequency of the truck traffic on the route proposed for restriction is not compatible with the affected area. Evaluation will include safety issues, accident history, engineering of the roadway, vehicle composition, and other traffic engineering related issues.

#### **Conclusion:**

This Study included an evaluation of the five-year crash history, horizontal roadway radii, vehicle volumes/composition and turning paths for trucks. The following summarized the results of this evaluation:

# Five-Year Crash History

Miller School Road, maintains a crash rate of 164.62 crashes per 100 million vehiclemiles of travel north of Dick Woods Road and 324.08 million vehicle-miles of travel south of Dick Woods Road.

- These rates exceed the District average of 147.08 crashes per 100 million vehicle miles. Restricting truck use may reduce the crash rate along Miller School Road.

## **Horizontal Roadway Radii**

Eight (8) horizontal curves along Miller School Road were compared to the VDOT "Geometric Design Standards for Rural Collector Road System (GS-3)"

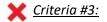
- Four (4) of the eight (8) horizontal curves have radii less than the VDOT Standard. Trucks must encroach upon the opposing lane to maneuver through these curves.

## **Turning Paths for Trucks**

Turning paths for Single Unit Trucks (30-foot wheelbase), WB-40 Trucks and WB-50 Trucks were overlaid upon aerial imagery to evaluate the right-turn movement from westbound Plank Road onto northbound Miller School Road.

- Each of these truck types encroach upon the southbound and/or westbound opposing lanes when turning right onto Miller School Road. Restricting truck traffic would remove this existing conflict from the intersection.

In addition to meeting the first two criteria, the proposed restriction must meet either the third or the fourth criteria in order to be approved.



The roadway is residential in nature. Typically, the roadway will be judged to be residential if there are at least 12 dwellings combined on both sides within 150' of the existing or proposed roadway center line per 1,000 feet of roadway.

#### **Conclusion:**

Miller School Road provides direct access to sixty-five (65) single-family detached residential units. The roadway cannot be judged as "residential" since there are not at least 12 dwelling units combined on both sides within 150' of the centerline per 1000' of roadway.



The roadway must be functionally classified as either a local or collector.

## **Conclusion:**

Miller School Road is classified as a Major Collector.

# **APPENDIX**

# **Traffic Counts**

# A. Morton Thomas & Associates, Inc. Turning Movement Counts - Field Sheet (All Vehicles except Box Trucks and Tractor Trailors)

Job No.: 17-0013.003

 Location:
 Rockfish Gap Turnpike (Rte 250) at Miller School Rd
 State:
 Virginia

 Date:
 3/14/2018 & 3/15/2018
 Town:
 Charlottesville

 Recorder:
 Interval (dd):
 15

(In Minutes)	)																		
		PEAK HOURS	AM PERIOD	Start	End	Volume				ERIOD	Start	End	Volume						
		FEAR HOOKS	12:00AM-12:00PM	07:45	08:45	1401			12:00PM	-12:00AM	17:15	18:15	1735						
Street																			_
Name>	Crozet Ave				Miller School Re	1				Rockfish Gap 1	umpike (Rte 2				Rockfish Gap T				
HOUR	ļ		From North				From South					From East					From West		GRAND
ENDING	U turn	Left	Through Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right Total	TOTAL
DAY 1: 3/14/18					1					1						1			4
00:15	0	1	0	0 1	0	0	0	0		0	0			3	0	3	5	0	5 10 7 11
00:30	0	0	0	0 1	. 0	0	0				0				0	6	4	0 1	11
00:45	0	0		0 2	0	0	1			0	0				0	0	0	0 1	0 11 4
01:15	0			1 2		0	0				0				0	2	2	1	
01:30	0	1				0	0	1			0					1	0	0	1 3
01:45	0	0	0			0	0				0					0	1	0	1 1
02:00	0	0		0 0		1	0			0	0				0	1	1	0	2 3
02:15	0	0	0	1 1	. 0	0	0				0				0	0	0	0	
02:30	0	1		0 1	. 0	0	0	0			1			1	0	0	2	0	2 4
02:45	0	0		0 0		0	0				0			2	0	3	1	0	4 6
03:00	0			1 2		0	0				0				0	1	0	0	1 5
03:15	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0
03:30	0	0	0	1 1	. 0	0	0	0	0	0	0	1	1	2	0	0	1	0	1 4
03:45	0	0	0	2 2	. 0	0	1	0	1	0	0	0	0	0	0	0	1	1	2 5 3 4
04:00	0	0	0	1 1	. 0	0	0	0	0		0	0	0	0		2	1	0	3 4
04:15 04:30	0	0	0	2 3	0	0	0	0	0	0	0	1		1	0	1	4 0	0	5 6 1 7
04:45	0	0	0	2 2	0	1	0	0	1	0	0			3	0	2	2	0 .	4 10
05:00	Ö	0	0		0	2	1	0	3	Ö	Ö	Ö	Ó	0	0	2	4	0	5 13
05:15	0	1	1 0	4 6 7 8		0	1	0	1 3		0	1 5		1	0	1 3	3 6	1 1	6 13 5 13 0 26
05:30	0	0			0	2	1	0		Ö	0			3	Ö	1	4	0 1	26 5 18 2 34 2 54
06:00	ō	2	3	8 13		Ö	1	1		Ö	ō			7	Ö	4	8	0 1	2 34
06:15	0	4	1 1	6 21	0	3	1	3		0	0	3	1	4	0	6	15	1 2	2 54
06:30 06:45	0	6	1 1 2	8 25 3 31	0	8	0	4 6		0	0		1 0	21 12	0	11 14	17 31	1 2	9 87 8 108
07:00	0	14	4 2	1 39	0	8	6	2		0	2			35	0	21	22	3 4	6 136
07:15	0	12	5 4	5 62	. 0	6	4	5	15	0		34	5	40	0	25	39	1 6	5 182
07:30	0	11	5 5 4 8	6 72 9 119	. 0	15 12	5	4	24	0	1	42	3	46	0	24	56	2 8 5 8	2 224
07:45 08:00	0	26 26	4 8 7 9	9 119 2 125	0	12 20	7 9	9 15		0	4		5 13	74 89	0	33 59	47 99	5 8 9 16	306
08:15	0	12	5 6	2 79	0	7	2	5			3		14	96		41	83	9 13	222
08:30	0	14	3 6	4 81	0	9	11			ŏ	3		9	97	0	42			8 334
08:45	0	9				8	4	4			1			129		34	70	5 12 4 10	δ 320
09:00	0	26 18	7 7	2 105 1 65	0	12	18	8	38	0	6	93	11	110	0	46	74	5 12 9 18	378
09:15 09:30	0	18	6 4 0 2	4 22	0	5	8	6				50		67	0	62 20	112 60	3 9	3 332
09:45	ŏ	9 10	0 2 5 3	4 33 2 47	ŏ	5	4	6	15	ŏ	5 5	37 40	12 10	54 55	ŏ	35 38	56	2 9	5 213
10:00	0	19	2 3	6 57	0	5	8	10			2	38	10	50		40	56	3 9	
10:15 10:30	0	26 21	4 2 4 3	8 58 6 61	0	5 6	9	5 7	19 19	0	6 1	47 42	16 12	69 55	0	32 36	53 69	5 9 3 10	0 236 8 243
10:30	0	21	8 2	5 57	0	b	5	/ 7	19	0	4	42 45	12	62	0	36	63	1 10	243
11:00	0	31	5 2	1 57	0	7	6	12	25	ŏ	2	55	13	70	0	26	45	6 7	7 229
11:15	0	29	6 4	1 76	0	4	5	7	16	0	7	49	26 21	82	0	27	59	6 9	2 266
11:30 11:45	0	30 25	6 2 1 3	8 64	0	1	9 5	7	17	0	4 5		21 21	71 85	0	22 23	34 51	4 6 5 7	212
12:00	0	21	5 3	0 56	0	6	11				9		26	84		30	44	5 7	
12:15	0	26	4 3	6 66		5	3	8	16		3	59	24		0	32 31	63	6 10	1 269
12:30 12:45	0	24 24	8 4			4	1	8		0	14						67 68	14 11 5 11	301
12:45	0	31	5 3 7 2			9	4	5		0	7			95 99	0	45 47	50	5 11 4 10	3 299
13:15	0	22				8	7	5			7			91	0	28	58	3 8	2 301 8 299 1 287 9 256 7 243
13:30	0	27	9 3	4 70	0	5	3	6		0	1	54	27	82	0	35	40	2 7	7 243
13:45	0	20	4 2	4 48	0	4	3	7		0	8	64	18	90		39	43	5 8	7 239
14:00 14:15	0	28 15	10 5 7 5	3 91 4 76	0	5	6 8	8 4			6 7		21	69 96	0	44 39	50 43	3 9 9 9	7 276
14:30	0	18	3 5	1 72	0	7	1	4	12	0	10	62	22	94	0	46	54	7 10	7 285
14:45	0	21	6 3	9 66	0	5	9	3	17	0	5	56	21	82	0	63	78	6 14	/ 312
15:00 15:15	0	20 22	5 3 3 3	6 61 4 59	. 0	2	7	5 11			4 9		21 19	75 86	0	29 35	55 55	13 10 2 9	
15:15	0	22	7 4	2 72	0	3	4 5	11		0	9		19	121	0	35	57		
15:45	0	13	7 6	1 81	0	10	4	8	22	0	7	84	28	119	0	45	58	4 10	7 329
16:00	0	17		0 71		2	5	6			14			149	0	66	77	10 15	3 386
16:15	0	23	11 5	0 84	0	3	6	10			11		27	132	0	73	139	9 22	456
16:30 16:45	0	20 27	13 4 11 3	3 76 8 76	0	9	3 5	5 7	14	0	12	78 83	31 34	121 124	0	61 40	91 58	21 17 9 10	7 384
17:00	0	18				6	13	5			11				ő	59	57	11 12	7 377
17:15	0	23	12 6	3 98	0	3	3	5	11	0	4	106	32	142	0	60	66	12 13	8 389
17:30	0	23	7 5	3 83	0	7	12		24	0	10	99	44	153		50	61	14 12	5 385
17:45 18:00	0	27 29	7 5 4 5	0 84 4 87	0	13 11	7 10	8 2		0	11 11	142 154	40 34	193 199	0	74 58	71 62	6 15 12 13	1 456 2 441
18:15	0	18	15 6	3 96	0	9	6	4	19	0	11	132	36	179	0	70	86	3 15	9 453
18:30	0	23	10 4	2 75	0	5	5	5	15	0	11	111	28	150	0	56	65	5 12	9 453 6 366
18:45	- 0	14	7 5	5 76	0	3	9	2	14		5			131	0	67	56	5 12	8 349
19:00	0	15 16				3	9	5 2			3 7				0	53 34	40 46	4 9 9 8	260
19:15	0	13		7 45	0	5	2	4			- 6		20	82		34	45	9 8 5 8	
19:45	ő	14	7 2	2 43	0	2	5	2	9	0	5	40	13	58	ŏ	22	45	5 7	2 182
20:00	0	14	2 1	7 33	0	2	4	4	10	0	5	19	23	47	0	16	17	8 4	1 131
20:15 20:30	0	11 6	7 2 6 2	5 43 7 39	0	5 4	1 3	1	7	0	6 2	32 19	22 13	60 34	0	24 19	35 33	7 6 4 5	6 176 6 137
20:30	0	7	4 2	7 39	0	2	1	3	8	0	7	30	13	34 45	0	27	26	4 5 5 5	8 141
24.00	1 ×		4 5	·		÷			<u> </u>	. ×		1 30		73			32	- 31 - 2	

#### Turning Movement Counts - Field Sheet (All Vehicles except Box Trucks and Tractor Trailors)

17-0013.003 PM PERIOD 12:00PM-12:00AM

AAA DEDIGD			DATA DEDICED			

Street Name>	Crozet Ave					Miller School R	d				Rockfish Gap	Turnpike (Rte 2	50)			Rockfish Gap	Turnpike (RI	te 250)			i
HOUR		1.6	From Norti	h n:				From South	n:-t-				From East	n:.t.				From West	D: 11	*****	GRAND
ENDING	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	TOTAL
DAY 2: 3/15/18		1			1				r	1		r			1		ı			,	
00:15 00:30	0	0		0	1	0	0	0	0	0	0	0	3 1	0	4	0	3	5 5	0	8	12
00:45	0	0	1	1	2	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	4
01:00 01:15	0	0	0	1 4	1	0	0	0	0	0	0	0	0		0	0	0	1 0	1 0	2	3
01:15	0					0	0	0	0	0	0		1	0	1	0	0		0	2	4
01:45	0					0			0	0				0	0	0			0	1	2
02:00 02:15	0		0	0	0	0	0	0	0	0	0	1 0	3		4	0	0			0	4
02:30	0	0	0	0	0	0	0		0	0	0	0	2	1	3	0	0	1	0	1	4
02:45	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00 03:15	0					0	0	0	0				1			0	0	0		1	3
03:30	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1 0	0	0	1	2
03:45	0					0	0	0			_		0			0					1
04:00 04:15	0			2		0	0		0	0	0		0		1	0	1 2			4	- 6 8
04:30	0		0	3		0	1	1	0	2	0		1	0	1	0	0	1	0	1	7
04:45 05:00	0	0		4	5	0	0	1	0	1	0	0	1	0	1	0	1	1 4	0	2	9
05:15	0	3	1	1 3 8	7	0	0	0	0 0 1	0	0	0	6	1	7	0	4	5	1	10	10 24 22 37
05:30	0					0	0	1				0	4			0	3	2 16	0		22
05:45 06:00	0		0	8	10	0	1	0	0	1	0	0	8	0	8	0	6	10	0	21 16	33
06:15	0	3	1	13	17	0	0	2	1	3	0	0	4	1	5	0	8	9	1	18	43
06:30 06:45	0		0	18 27		0	5	5	6	16 12		1	8 15			0	5 15			21 47	73 115
07:00	0	12	2	26	40	0	5	8	3	16	0		19	7	28	0	32	28	3	63	147
07:15	0	18	7	45	70	0		1	3	11		3	30	5	38	0	29	39	1		188
07:30 07:45	0		4 3		65 115	0	11 10	5 4	3 10		0	2 3	34 70	5		0	31 32	53 73	4		213 322
08:00	0	19	4	92	115	0	28	3	13	44	0	2	67	8	77	0	32 57		6	157	322 393
08:15	0				90	0	8	7	5		0		78			0	56	60			320
08:30 08:45	0	10	3	56	69	0	14	12	9	29	0	3	85 118	4	126	0	37 53	63	6	122	339 346
09:00	0	18	4	56	78	0	13	9	14	36	0	2	87	14	103	0	45	80	5	130	347
09:15	0	17	3	42 28		0	8	9	8	25 15	0		42 42		52 62	0	50 36			153 90	292
09:45	0	17	4	35			5	10	12	27	0	6	30	18	54	0	36	38		80	221 217
10:00	0	22	5		56 53	0	1	3	5	9	0		33	26	68		31	63	6	80 96	226
10:15 10:30	0		3			0	3	10	4 9	10 25	0	5	37 37	18 25	60 67	0	21 23			69 83	200
10:45	0		4	38	62	0	8	8	7	23	0	5	48	20	73	0	27	40	3	70	226 228
11:00	0	21	4	36	61	0	2	5	8	15	0	5	36	21	62	0	28	35	1	64	202 204
11:15 11:30	0		9			0	3	11	3 8	4 22	0	2	47 47	23	72 61	0	20 19	52 50	5		204
11:45	0	26	8	31	65	0	3	3	9	15	0	5	44	19	68	0	30	66	5	101	249
12:00 12:15	0		4			0	5	6	7	18 10	0		71 45			0	28 41	43 54			261 255
12:30	0					0	2	6	3		0		73			0	41				276
12:45	0	31	9		70		9	6	7	22	0	1	35	21	57	0	28		1	92	241
13:00 13:15	0		6	28 14	59 37	0	1	9	6 11	16 19	0	4	55 37	14 27	73 72	0	33 30	52 64	3	88 97	236 225
13:30	0	24	3	24	51	0	2	5	6	13	0		47	23	77	0	35	49		91	232
13:45	0					0	3	2	7		0		49			0	37				248 250
14:00 14:15	0		3 12	38 47	73 85	0	4	9	2	18 10	0	5	56 56	20 24	82 85	0	27 33	43 46	7 6	77 85	265
14:30	0	12	3	29	44	0	8	1	5	14	0	8	82	17	107	0	26	50	5	81	246
14:45 15:00	0		4		40 51	0	5	5	6		0		54 66	23	85	0	54 34			137 95	278
15:15	0	21	8	32	61	0	8	5	6	19	0		71		94	0	34		2		269 257
15:30	0		2	41	64	0	7	9	2		0	4	88	26	118	0	26	52	4	82	282
15:45 16:00	0	12	7		74 69	0	8 5	11 10	5 5	24 20	0		104 114	24 23	135 146	0	44 63	61 95	10 10	115 168	348 403
16:15	0		8	55	82	0		8	4	15	0		77	29	119	0	73	120	13	206	422
16:30	0					0	3	- 11	7		0		68			0	69				386
16:45 17:00	0	33	12	52	97	0	11	16	12	26	0	13	90 108	31	152	0	40 55	48	6	109	327 384
17:15	0	23	14	79	116	0	13	11	10	34	0	13	126	37	176	0	61	69	9	139	465
17:30 17:45	0		11		101 114	0	17 11	13 19	7	37 37	0		138 139	38 46	180 197	0	62 65	63 68	12 12	137 145	455 493
18:00	0	22	10	60	92	0	10	19	5	20	0	11	129	37	177	0	65	79	11	155	444
18:15	0		9		92	0	8	4	3	15	0		91		132	0	85 66	124	9		457
18:30 18:45	0		8 12	55 30	88 57		2	6	3		0	10	85 70	26			66 72	99 74	8 11	173 157	408 329
19:00	0	15	8	39	62	0	7	6	5	18	0	8	64	13	85	0	61	94	18	173	338
19:15 19:30	0		10 4		52 63	0	8	8	5 2	21 8	0		70 74	25 21	105 103	0	37 31	67 63	9	113 102	291 276
19:45	0	19	7	36	62	0	7	6	2	15	0	4	44	19	67	0	17	40	10	67	211
20:00	0	16	7	27	50	0	3 5	4	4	11	0	10	38	18	66	0	26 22	30 53	3 7	59 82	186
20:15 20:30	0	8	8			0	5	5	1 2				30 35			0	22				179 156
20:45	0	12	2	10	24	0	2	1	2 0		0	3	32	10	45	0	18	28	2		122 108
21:00	0	5	6	7	18	0	1	4	0	5	0		23	14	41	0	14	29	1	44	108
21:15 21:30	0	7	4 2	16 15	27 24	0	0	4 3	1	7	0	3 4	28 20	12 11	43 35	0	22 13	24 26	6 3	52 42	127 108
21:45	0		0	9	15	0	1		1	5	0	4	9	13	26	0	11	14	2	27	73 65
22:00	0		2			0			1		0	1	12 13				11			24	65
22:15 22:30	0	3	2	10 9	16	0	0	1	2	4	0	0	13	5	20 17	0	12 37	49	2 6	92	62 125
22:45	0	0	3	3	6	0	0	1	0	1	0	1	8	3	12	0	23	28	2	53	72
23:00	0		1	7		0	0	0	0	0	0	1 4	7	4 0	12	0	7	10 6	0	16 14	39
23:15 23:30	0		0			0	0	1	0	1	0	1	1		10	0	5	2	0	7	15
23:45	0	0	1 0	3	4	0	0	1 1	0	1	0	0	3 2	1 0	4	0	4	5 2	1 0	10	39 30 15 19
00:00	0	1 0	1 0		2	0	0	1	1	1 2	0	. 0	. 2	. 0	. 2	0	1 0	1 2	0		8
TOTAL	0	1173	396	2517	4086	0	395	415	346	1156	0	389	3852	1205	5446	0	2475	3739	389	6603	17291
AM Peak Vol	0	57 94	19 48	295 281	371 423	0	68 51	31 48	33 29	132 128	0	9 40	348 532	31 158	388 730	0	203	281 279	23 44	507 576	1398 1857
PM Peak Vol	U	34	40	401	443			40	29	140	U	-+U	J32	130	/30	· U	400	4/9	1910	210	103/

PEAK HOURS

# A. Morton Thomas & Associates, Inc. Turning Movement Counts - Field Sheet (Box Trucks)

(	,	PEAK HOURS	AM PERIOD 12:00AM-12:00PM	Start 08:15	End 09:15	Volume 49				ERIOD I-12:00AM	Start 12:30	End 13:30	Volume 20				
Street			12:00AM-12:00PM	08.13	09.13	43		1	12:00PW	1-12:0UAIVI	12.30	13.30	20				
Name>	Crozet Ave	,			Miller School I	₹d				Rockfish Gap	Turnpike (Rte 25	50)		Rockfish Gap Turnp	ike (Rte 250)		J
HOUR			From North				From South					From East			From West	t	GRAND
ENDING	U turn	Left	Through Righ	t Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right Total	U turn L	eft Through	Right Total	TOTAL
DAY 1: 3/14/18 00:15	0	0	0	0 0	0	0	0		0 0	0	0	0	0	0	0 0	0	0 0
00:10			0	0 0			0					0	0	0 0	0 0		
00:45	0	0	0	0 0					0	0	0	0	0 (	0		0	0 0 0 0
01:00	0		0	0 0		0	0			0	0	0	0		0 0		0 0
01:15	0		0	0 0		0	0			0		0	0 0	0			0 0
01:30 01:45	0		0	0 0		0	0			0	0	0	0 0	0 0	0 0	0 0	0 0
02:00	0		0	0 0						0		0		0 0	0 0		0 0
02:15	0		0	0 0								0		0 0			0 0
02:30	C	0	0	0 0	0	0	0	C	0	0	0	0		0	0 0		0 0
02:45	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0 0	0	0 0
03:00			0	0 0								0		0			0 0
03:15			0	0 0						0		0			1 0		1 1
03:30	0		0	0 0													
04:00	č	ŏ	0	0 0	0	0	ŏ		ŏ		ŏ	0	ŏ	0	0 0	0 0	0 0
04:15	0	0	0	0 0	0	0	0		0	0	0	0	1	0 0	1 1	0	2 3
04:30	0	0	0	2 2	0	0	0	0	9	0	0	0	0	0 0	0 0	0 0	0 2
05:00	0	0	Ö	0 0	0	0	0		) 0	0	1	0	0	. 0	0 1	. 0	1 2
05:15 05:30	0		0	0 0	0	0	0	8	0	0	0	0	0	0	0 0	0 0	0 0
05:45	0	0	0	0 0	0	0	0		0	0	0	0	0	0	0 0	0	0 0
06:00 06:15	0		0	0 0	0	0	0		0 0	0		0	0	0 0	0 1	0 0	1 1 0
06:15 06:30		0 0	0	0 0	0	0	0		0	0	0	0	0	0	0 0	0 0	0 0
06:45			0	0 0	0	0	0		0	0		0	0	0	0 1	1 0	1 1
07:00 07:15	0	0	1 0	0 1	0	0	0	1 7	0 0	0	0	0	0	0 0	1 1	0 0	2 3
07:30	Č	0	0	1 1	ő	0	0		0	0	1	0	0	0	0 (	0 0	1 1 2
07:45 08:00		0	0	0 0	0	Ö O	0		0 0	0	0	0 2		0 0	1 :	2 0	3 3 6 5 12 1 1 10 0 5 12 7 15 4 7 3 4 4
08:15		0	0	3 3	0	0	0		0	0		2		1 0	3 2	2 0	5 12
08:30		1	0	3 4	0		0		1	0	1	1	2	1 0	0 (	1	1 10
08:45 09:00		0	0	0 0	0	2			3	0		1 0		0	2 3	3 0	5 12
09:15	C	0	1	3 4	ŏ	2	0	1	. 3	0	0	1	0	i ö	5 2	2 0	7 15
09:30 09:45	0		0	0 0	0	1 0	0	9	0 0	0	0	2 0	0	0 0	0 3	1 0	4 7
10:00	0		0	3 4	Ö	1	ö		1	0	0	2		2 0	0 2	2 0	3 4
10:00 10:15		0	0	0 0	0	1	0		1	0	0	1	0	1 0	1 (	2	3 5
10:30 10:45	- 0	0	0	3 3	0				1 2	0		2 2		2 0		3 1 3 0	5 11
11:00	- 6		0	0 0	0	0	0		0	ő		0		1 0	2 0	1	3 7 4
11:15		0	0	1 1	0	0	0	1	1 1	0	1	0		2 0	1 2	2 0	3 7 10 10 15 10 10 11 15 10 10 11 15 10 10 11 15 10 10 11 15 10 10 11 15 10 11 15 10 11 15 10 11 11 11 11 11 11 11 11 11 11 11 11
11:45		0	0	3 3	0	2 0	0	1	) 2   1	Ö	Ö	3	0 .	1 0	1 2	2 0	3 11
12:00		0	0	0 0	0	1	0		) 1	0	0	4	0 -	1 0		1 1	5 10
12:15 12:30	- 2	3	0	2 3	0	2 0	0	1 - 5	0 0	0	0	0	0	0 0	0 2	2 0	3 10
12:45	- c		0	1 1	0	2	0		2	0	0	6	0	0		1 1	3 12
13:00 13:15		1	0	0 1	0	0	0		0 0	0	0	3 2		2 0	0 2	2 2	6 11
13:30	- 6		0	2 2	. 0	0	0	-	0	0	0	7	1	2 0	2	2 1	3 13
13:45		0	0	0 0	0	2	0		) 2	0	0	1	0	1 0	2	1 2	5 8
14:00 14:15	- 0	0	0	2 2	0	1 0	0	1	0 0	0	0	0	0 0	0 0	1 1 1 2 2 0	1 0	4 4
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14:45 15:00	0	0	0	1 1	0	1 0	0		1 1	0		2 6	1 0	3 O	0 1	0	1 6 1 10 1 4
15:15		0	0	1 1	0	0	0		0	0	0	1	1	0	0 '	1 0	1 4
15:30 15:45		0	0	0 0	0		0		0	0		2		2 0	0 0	0 0	0 2
16:00	- 2	1	0	0 1	0	0	0	1	0	0	0	1	0	1 0	0 0	0 0	0 2 1 3 0 2
16:15			0	2 2	. 0	0			0	0	0	4		4 0	1 1	1 1	3 9 1 4
16:30 16:45		0	0	0 0	0	0	0		0 0	0	1 0	2	0	3 0 1 0	0 1	1 0	0 4
17:00	1 0	0	1	0 1	0	0	0		0	0	0	2	0	2 0	1 (	1	2 5
17:15 17:30		0	0	0 0	0		0		0	0	0	1 2		0 0		1 0	1 2
17:45	1 0		0	3 3	0	0	0	i	0	0	0	0	0	0	0 2	2 0	2 5 2 5 4 8
18:00 18:15		0	0	1 1	0	0	0		0	0	0	3	0	3 0	2 2	2 0	4 8
18:15		1 0	0	0 0	0	0	0		0 0	0		1 0	0	0		0 0	0 2
18:45	C	Ö	Ö	ō ō	Ö	0	0		0	0	0	1	0	1 0	1 (	0 0	0 1
19:00 19:15			0	0 0	0	0				0		1	0	0		0 0	0 1
19:30	0	0	ő	ŏ ŏ	0	0	ŏ		0	0	0	ô		0 0	0 0	0	0 0
19:45 20:00	0		0	0 0	0	0		0	0	0	0	0	0				0 0
20:00	0	0	0	0 0	0	0	0		0 0	0	0	0	0	0 0	1 0	0 0	1 1
20:30	Č	0	0	0 0	0	0	ō			0	ō	0	ō i	0 0	0 0	0	2 0 0 0
20:45	0	0	0	0 0	0	0	0		0	0	0	0	0	0 0	0 0	0 0	000
21:15	C	0	0	0 0	0	0	0		0	Ö	Ö	0	0	0	0 0	0	0 0
21:30 21:45	0		0	0 0	0	0	0		0	0	0	0	0	0	0 0	0	0 0
22:00	0	0	ō	0 0	0	0	0		0	0	Ö	0	0	0	0 0	0 0	0 0
22:15	0	0	0	0 0	0	0	0		0	0	0	0	0	0	0 0	0	o ŏ
22:30	0		0	0 0	0	0	0		0 0	0	0	0	0	0 0	0 0	0	0 0
22:45 23:00		Ö	0	0 0	0	0	0		0	0	0	0	0	0		0 0	8 0
23:15	C		Ö	0 0	0	0	0	- 0	0	0	0	0	0	0	0 0	0	0 0
23:30 23:45	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0 0	0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
00:00	Č	ŏ	Ö	0 0	ŏ	Ö	ŏ		ŏ	ŏ		Ö	ő	0	0 0	0	o ŏ
														<u> </u>			
TOTAL	0	11	4 43	58	0	22	1	10	33	0	10	80	13 103		45 71	19 135	329
AM Peak Vol PM Peak Vol	0	1 0	1 6	8	0	5	1	3	9	0	5	3	2 10	0	8 10	4 22	49

#### Turning Movement Counts - Field Sheet (Box Trucks)

Job No.: 17-0013.003

Location: Date: Recorder: Interval (dd):

		PEAK HOURS	AM PERIOD 12:00AM-12:00AM	Start 09:15	End 10:15	Volume 38			ERIOD I-12:00AM	Start 13:15	End 14:15	Volume 48			}				
	Crozet Ave				Miller School R				Rockfish Gap	Turnpike (Rte 2	50)			Rockfish Gap	Turnpike (Rt	e 250)			
HOUR ENDING	U turn	Left	From North Through Right	Total	U turn	From Sou Left Through		Total	U turn	Left	From East Through	Right	Total	U turn		From West Through	Right	Total	GRAND TOTAL
DAY 2: 3/15/18																			
00:15	0		0 0		0	0	0 (	0 0	0			0	0	0		0	0	0	0
00:30 00:45	0	1 0	0 0	0 1	0	0	0 0	0 0	0		0	0	0	0			0	0	0
01:00 01:15	0		0 0					0 0	0			0			0	0	0	0	0
01:30	0	0	0 0	0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0
01:45 02:00	0		0 0		0			0 0	0			0		0		1 0	0	0	0
02:15 02:30	0	0	0 0	0 0	0	0		0 0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	0 0	0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0
03:00 03:15	0	0	0 0	0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0
03:30 03:45	0		0 0	0 0	0			0 0	0			0		0			0	0	0
04:00 04:15	0			0 0	0	0		0 0	0			0		0		0	0	0	0
04:30	0	0	0 0	0	0	0	0 (	0	0	0	0	1	1	0	0	2	0	2	3
04:45 05:00	0		0 2	2 2	0	0		0 0	0			0			0	1	0	2	3
05:15 05:30	0	0	0 0		0	0		0 0	0		0	0	0	0	0	0	0	0	0
05:45	0	0	0 0	0	0	0	0 (	0	0	0	1	0	1	0	0	1	0	1	2
06:00 06:15	0		0 0	0 0	0	0		0 0	0			0	0	0	1 0	0 2	0	2	2
06:30 06:45	0		0 1	2 2	0			0 0	0			0	0	0		1 2	0	2	4
07:00 07:15	0	0	0 (	0 0	0	0	0 (	0 0	0	0	1	0		0	3	0	0	3	4
07:30	0	0	0 0	0	0	0	0 1	0 0	0	0	0	1	1	0	- 1	0	0	1	2
07:45 08:00	0		0 1	1 1	0			0 0	0			0	0 2	0	1	0	0	1	4
08:15 08:30	0		0 0	1 1	0	0		0 0	0			0	3	0	2 2	1 5	1	4	8 13
08:45	0	0	0 (	0 0	0	0	1 (	1	0	0	0	1	1	0	4	2	0	6	8
09:00 09:15	0	0		1 2	0	0	0 (	0 0	0	0	3	0		0	3		0	5	9
09:30 09:45	0	0	0 1		0	0	0 (	0 0	0		1	1 0	3	0		5 3	0	10	14 14
10:00	0	1	0 1	1 2	0	3	0 (	3	0	0	2	1		0	3	0	2	5	13
10:15 10:30	0		0 2	2 2	0	2		0 1	0			0	3	0		5	3	5	14
10:45 11:00	0		0 0		0			0 0	0			1 0	6	0	0 2	3 4	2	5 7	12 10
11:15 11:30	0			2 2	0	1 0		0 1	0	0	1	0	1	0	1 3	2 2	0	3	7
11:45	0	0	1 1	1 2	0	0	0	0	0	0	1	0	1	0	2	1	0	3	10 6
12:00 12:15	0		1 2	2 5	0	0	1 (	1 1	0			0	1	0	1	3	0	3	11 6
12:30 12:45	0			1 1	0			0 0	0			1	2	0	0		0	2	5 11
13:00	0			0 0	0	0	0	1 1	0	0	1	0	1	0	0	2	0	2	4
13:15 13:30	0	1	0 2	2 3	0	0	0 1	0	0	0	1	1 2			2	2	0	4	6 10 9
13:45 14:00	0		0 2	2 2	0	0		0 0	0			1 0	7	0	0	4	2	6 5	18
14:15 14:30	0		0 2		0	1	0 (	1	0	0	2	0	4	0	0	2	2	4	11 7
14:45	0	0	0 1	1	0	0	0 (	0	0	0	2	1		0	0	2	1	3	7
15:00 15:15	0		0 0	1 1	0	0		0 0	0		0	0	1	0	0 2	4 0	0	2	4
15:30 15:45	0		0 2	3 3	0	0		0 0	0			0	2	0	0	0	0	0	7
16:00 16:15	0			0	0	0		2 2	0	0		0		0	0		0	0	6
16:30	0	1	0 0	1	0	0	0	1 1	0	1	0	0	1	0	0	1	0	1	4
16:45 17:00	0		0 1	1 1	0			0 2	0		2	0	3	0	1	0	0	1 2	7 6
17:15 17:30	0		0 1	1 1	0			0 0	0			0	0	0	0	1 0	0	1	2
17:45	0	0	0 1	1 1	0	0	0	1 1	0	0	1	0	1	0	1	1	0	2	5
18:00 18:15	0	0	0 0		0	0	0 (	0 0	0	0	1	0		0	0	0	1	0	1
18:30 18:45	0		0 0	0 0	0	0		0 0	0			0	2	0	0 2	0	0	0	2
19:00	0	0	0 (	0	0	0	0 (	0 0	0	0	0	0	0	0	0	0	0	0	0
19:15 19:30	0	0		0	0	0	0 (	0 0	0	0	0	0	0	0	0	0	0	0	0
19:45 20:00	0		0 0		0			0 0	0			0	0	0	0	1 0	0	0	0
20:15 20:30	0	0		1	0	0		0 0	0		0	0	0	0		0	0	0	1 0
20:45	0		0 0	0	0	0	0 (	0 0	0	0	0	0		0			0	0	0
21:00 21:15	0	1 0	0 0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	1	1
21:30 21:45	0	0	0 0	0 0	0	0	0 (	0 0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0 0	0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0
22:15 22:30	0	0	0 0		0	0	0 (	0 0	0	0	0	0	0		0	0	0	0	0
22:45 23:00	0			0 0	0	0		0 0	0		0	0	0	0			0	0	0
23:15	0	0	0 0	0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0
23:30 23:45	0	0		0	0	0	0 (	0 0	0	0	0	0	0	0	0		0	0	0
00:00	0	0	0 0	0	0	0	0 (	0	0	0	0	0	0	0	0	1	0	1	1
TOTAL AM Peak Vol	0	18	5 51 1 3	<b>74</b> 5	0	15 3 1 1	8	<b>26</b>	0	7	<b>86</b> 8	<b>22</b>	115 9	0	57	95 11	<b>20</b>	<b>172</b> 22	<b>387</b> 38
AWI FEAR VUI	U	-	1 3		U	. 1			U	U	U	4	9	U	10	4.1	4	44	1 30

# A. Morton Thomas & Associates, Inc. Turning Movement Counts - Field Sheet (Tractor Trailors)

		PEAK HOURS	AM PER 12:00AM-12		Start 07:00	08:00	Volume 18				ERIOD I-12:00AM	Start 14:15	End 15:15	Volume 8							
Street Name>	Crozet Ave					Miller School F	Pd .				Pockfish Gan	Turnpike (Rte 2	50)			Rockfish Gap T	urnnike (Pte	250)			
HOUR ENDING	U turn		From North Through	Right	Total	U turn	Left	From South Through		Total	U turn	Left	From East Through	Right	Total	U turn	-	From West	Right		GRAND TOTAL
ENDING	O turn	Leit	illiougii	rugiit	Total	O turn	Leit	illiougii	Right	Total	O turn	Leit	illiougii	Nigit	Total	O tuin	Leit	mougn	Right	Total	IOIAL
DAY 1: 3/14/18																					
00:15	0			0		0		0			0					0	0			0	0
00:30	0	0		0		0	0	0	0		0				0	0	0	0		0	0
00:45 01:00	0	0		0		0	0				0					0	0			0	0
01:15	Ö	0	0	0	0	0	0	0	0		0	0	0		0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0				0	0
01:45	0	0		0		0	0	0	0		0	0				0	0	0		0	0
02:00	0			0		0		0								0	0			0	0
02:15 02:30	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0		0		0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0	1
03:15	0			0		0										0	0			1	
03:30 03:45	0			0		0	0	0			0					0	0			0	
04:00	0	0	0 1	0	Ü	0	0	0	0	0	0		0	0	Ö	0	0		0	Ö	0
04:15	0	0	0	0	Ö	0	0	0	0	0	0	Ö	0	0	0	Ö	Ö	0	0	0	(
04:30 04:45	0	0	0	0	0	0	0	0	0		0	0	2	0	2	0	0	0	0	0	2
05:00	0	0	0	0	0	Ö	0	0	ŏ	0	0		0	0	Ó	0	0	0	0	0	(
05:15 05:30			0	0	0	0	0	0		0		0	1	. 0	1	0	0	0	0	0	
05:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	-
06:00					0		0			0						0		0	0	0	(
06:15 06:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0 0		0	0	2	0	2	- 4
06:45	0		ő	0		0	0	0	0		0	0		0	0	0	0	1	0	1	
07:00 07:15	0	0	0	0	0	0	0	0	0			0		0	1	0	0		0	1	
07:15	0	0	0	0		0	0	0	0	0	0	1 0	5	0	5	0	0	3	0	0	4 5
07:30 07:45	Ö	0	ō	Ö	Ö	0	ő	0	ő	0	C	0	1	0	1	0	2	3	Ö	5	- 6
08:00 08:15	0	0	0	0		0	0	0	0	0	C		1	0	1	0	1 0	1		2	3 2 2
08:30	0	0	0	0	0	0	0	0	0	0	C	0	2	2 0	2	0	0	0	0	0	
08:45 09:00	0	0	0	0		0	0	0	0	0	C		1	0		0	0	0		0	1 1
09:00	0	0	0	0	0	0	0	0	0	0	0	1	1	. 0	1 2	0	2	0		1 2	- 2
09:30	0	0	ō	1	1	0	0	0	ō	0	0			0	0	0	0	0	0	0	1
09:45 10:00	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	Ö	1 0	Ö	Ö	1	1
10:15	0	0	0	0	0	0	0	0	0			0		0	2	0	0		0	0	1 3 2 3 4 3 3
10:30	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0		0	1	1
10:45 11:00	0	0	0	0		0	0	0	0	0	C	0		0 0		0	0	2	0	2	- 4
11:15	0	0	0	0	0	0	0	0	0	0	C		1	1	2	0	Ö	1	0	1	
11:30 11:45	0			0	0	0	0	0			C			2 0		0	0		0	0	1 5
12:00	0	0	0	Ö	0	0	0	0	0		č	Ö		0	0	0	0	- 1	0	1	1
12:15 12:30	0	0	0	0	0	0	0	0	0	0	C		1	0	1	0	0	0	0	0	
12:30	0	0	0	0	0	0	0	0	0	0		0	1 3	0	3	0	0	2	0	2	
13:00	0	0	0	0	0	0	0	0	0	0	C			0		0	1	0	0	1	
13:15	0	0	0	0	0	0	0	0	0	0	C	1	0	0 0		0	0	2	0	2	4
13:45	0	0	ŏ	0		0	0	0	ŏ	0	C		1	0	1	0	0	0	0	ő	- 1
14:00 14:15	0	0	0	0	0	0	0	0	0		0	0	0	0		0	0	0	0	0	
14:15	0	0	0	1		0		0	0		0			0		0	0			0	1
14:45	0	0	0	0	0	Ö	0	ŏ	Ö	0	0	Ö	1	. 1	2	Ö	0	4	0	ă.	- 4
15:00 15:15	0	0	0	0		0	0	0	0		0	0		. 0		0	0			1	
15:30	0	0	0	0	0	0	0	0	0	0	C	0	0	0	0	0	0	1	0	1	
15:45 16:00	0	0	0	0		0	0	0	0	0	C	0		0	1	0	0	3	0	3	
16:15	0	0	0	0	0	0	0	0	0			0	1	0	1	0	0	0	0	0	
16:30	0	0	0	0	0	0	0	0	0	0	C	0	1	0	1	0		0	0	1	
16:30 16:45 17:00	0	0	0	0	0	0	0	0	0	0	Č	0	1	0	1	0	0	1	0	1	
17:15	0	0	0	1	1	0	0	0	0		C	0	0	0	0	0	0	0	0	0	
17:30 17:45	0	0	0	0		0	0	0	0	0	0	0	2	0 0	2	0	0	0	0	0	- 0
18:00	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0	0	0	0	
18:15	0	0	0	0	0	0	0	0	0		C	0		0	0	0	0	0		0	
18:30 18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	1	0 0
19:00	0	0	0	0		0	0	0	0	0	C	0		0	0	0	0	0	0	Ö	
19:15 19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19:45	l ö	0	0	0		0	0	0	0	0	0	- 0	1			0	0	1	ō	1	1
20:00	0	0	0	0	0	Ö	0	0	Ö	0	0	0	0	0	0	0	0		0	0	
20:15 20:30	0	.Ι	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	$\vdash$
20:45 21:00	0	0	ő	ō	ō	0	0	0	0	0	0	0	Ö	0	Ö	0	ō			Ô	
21:00 21:15	0		0	0	0	0	0	0		0	0	0	0	. 0	0	0	0		0	0	-
21:30	0	0	Ö	0	0	0	0	0	0	0	0	0	1	. 0	1	Ö	0	0	0	0	
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22:00 22:15	0	0	0	0		0	0	0	0		0	0		0	0	0	0	0	0	0	
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	
22:45 23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00	0	0	0	0	0	0	0	Ö O	0	0	0	0	0	0	0	0	0	0	0	0	$\vdash$
23:30	0	0	0	0	0	0	0	0	0	0	0	- 0	0	0	0	Ö	0	0	0	ō	
23:45 00:00	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
00.00	<b>+</b> '		0		1	0					†	1 0				- ·	U		J		
TOTAL	0	0	0	7	7	0	1	0	1	2	0	3	50	4	57	0	10	40	1	51	117
AM Peak Vol	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8	0	3	7	0	10	18 8
PM Peak Vol	0	0	0	1	1	0	0	0	0	0	0	0	3	0	3	0	0	4	0	4	8

#### Turning Movement Counts - Field Sheet (Tractor Trailors)

Job No.: 17-0013.003

Location: Date: Recorder: Interval (dd): 
 kfish Gap Turnpike (Rte 250) at Miller School Rd
 State:
 Virginia

 4/2018 & 37/15/2018
 Town:
 Charlottesville

 ANT
 Westher:

 PEAK HOURS
 AM PERIOD 12:00AM-12:00PM
 Start 5:00 William
 End 7:00 William
 PM PERIOD 12:00AM 12:00AM
 Start 5:01 William
 End 7:00 William

PEAK HOURS	AM PERIOD	Start	End	Volume		PM PERIOD	Start	End	Volume	
PEAK HOURS	12:00AM-12:00PM	08:15	09:15	23		12:00PM-12:00AM	12:45	13:45	19	

Series	Street			12:00AM-1	2.001 111	08:15	09:15	23		12:00PM		12:45		19					
Columb   C	Name> (	Crozet Ave		From North			Miller School R		South		Rockfish Gap 1	Turnpike (Rte 25			Rockfish Gap Turnpike				SRAND
Column   C	ENDING	U turn	Left		Right	Total	U turn			Total	U turn	Left		Right Total	U turn Left		Right	Total 1	TOTAL
Column   C	DAY 2: 3/15/18																		
Column   C	00:15																		0
Column   C	00:30 00:45	0	0	0	0	0	0	0	0 0	0 0	0	0	0	0 0	0	0 0	0		<u>0</u>
Section   Sect	01:00	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	0
No.   C.     No.   No.							0						0						0
Section   Sect	01:45	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	0
Column   C																			0
The column   The	02:30	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	0
The column   The																			0
March   St.   March   March	03:15	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	0
March   Marc							0	0											0
March   Marc	04:00	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	- 0
March   Marc							0							0 0					0
Section   Sect	04:45	0	0	0	0	0	0	0	0 (	0	0	0	1	0 1	. 0	0 0	0	0	1
Mail			0				0				0	0							0
March   Marc	05:30	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	0
Second   1							0	0											0
March   Marc					0		0	0	0					0 1	0				1
100   10   10   10   10   10   10   1	06:30				0	0	0	0										2	2
Property   Property				0	0	0	0	0						0 0				1	1
Columb   C	07:15	0	0	0	1	1	0	0	0	0	0	0	1	0 1	0	0 2	0	2	4
March   Marc	07:45		0	0	0	0	0	0	0		0	0	0	0 0	0	0 0	0	0	0
March   Marc	08:00					0	0	0										1	2
March   Marc	08:30					1								0 2				0	3
Section   Color   Co	08:45	0	0	1	2	3	0	0	0 (	0	0	1	1	0 2	. 0		0	1	6
March   Marc						0												4	6
100   10   10   10   10   10   10   1	09:30	0	0		1	1	0	0	0 (	0			1			0 1	0	1	3
100   1						0	0											4	4
100   10   10   10   10   10   10   1	10:15			0		0	0	0					1	0 2	. 0			1	3
1100   0   0   0   2   0   3   2   0   1   0   0   1   0   0   1   0   0						0												1	4
1130				0		0	0	1						0 1	0			1	3
1150   10   10   10   10   10   10   10						0	0											1 2	- 3 4
1250   0   0   0   0   0   0   0   0   0	11:45	0	0	0	0	0	0	0	0	0	0	0	3	0 3	0	0 2	0	2	5
1252   0	12:00 12:15			0	0	0	0	0			0	0		0 2	0			1	6 3
1300	12:30	0	0	0	1	1	0	0	0 1	0	0	0	0	1 1	0	0 1	0	1	3
1315 0 0 0 0 0 0 1 1 1 0 0 0 1 1 0 0 0 0 1 1 0	12:45					4 0	0	0										0	6 4
11.56 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0	13:15	0	0	0	1	1	0	1	0	1	0	0	2	1 3	0	0 0	0	0	5
Mathematics						0												4	2
1430   0   0   0   0   0   0   0   0   0	14:00	0	1	0		1	0	0	0	0	0	0	2	0 2	. 0	1 0	0	1	4
1448						0	0						2					0	- 3
1515 0 0 0 1 1 1 1 2 0 0 0 0 1 1 1 1 2 0 0 0 0	14:45	0	0	0	1	1	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	1
1558   0						1 2	0	0	0 0				0						
1600					0	0	0	0	0				0	0 0	0			2	2
1615   0					0	1	0						0					0	- 2 1
1646   0   0   0   0   0   0   0   0   0	16:15	0	1	0	0	1	0	0	0		0	0	0	0 0	0	0 1	0	1	2
1700						0	0	0										2	0
17:30	17:00	0	0	0	0	0	0	0	0	0	0	2	0	0 2	. 0	0 1	0	1	3
17.45	17:15 17:30				0	0	0											1 0	0
18:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	17:45	0	0	0	0	0	0	0	0 (	0	0	0	2	0 2	. 0	0 0	0	0	2
1830						0												0	0
19100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18:30	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0 0	0	0	0
1915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						0												0	0
1945   0	19:15	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	0
2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																			0
2030 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20:00	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 1	0	1	1
2048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20:15						0												0
21:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20:45	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	0
2130 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	21:00	0	0		0	0		0	0 (	0	0	0	0	0 0	0	0 0	0	0	0
1445   0	21:15	0	0		0	0	0	0	0 0	0 0	0	0		0 1	0	0 0	0	0	1
22:5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0		0	0	0	0	0 (	0	0	0	0		0	0 0	0		0
2230 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							0		0 0										0
2500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22:30	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0		0
2215 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22:45			0			0	0	0 0			0	0	0 0				1	0
2345 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	23:15	0	0	0	0	0	0	0	0 (	0	0	0	0	0 0	0	0 0	0	0	0
0000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																			0
Peak Vol							0												0
Peak Vol	TOTAL	0	3	2	22	27	0	3 .	) 4	7	0	7	44	6 57	0 14	44	0	58	149
Peak Vol 0 0 0 2 2 0 1 0 0 1 0 1 1 1 1 12 0 0 4 0 1 19	AM Peak Vol	0	0	1	4	5	0	1 (	0	1	0	1	7	1 9	0 3	5	0	8	23
	PM Peak Vol	0	0	0	2	2	0	1 (	0	1	0	0	11	1 12	0 0	4	0	4	19

# A. Morton Thomas & Associates, Inc. Turning Movement Counts - Field Sheet (All Vehicles except Box Trucks and Tractor Trailors)

		PEAK HOURS	12:00AM-		07:30	08:30	209				-12:00AM	17:00	18:00	223			1				
Street Name>	Miller Scho										Plank Rd					Plank Rd	_				
HOUR	Miller Scho	DOI RU	From North	1				From South			Plank Ru		From East			Plank Ru		From West			GRAND
ENDING	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	TOTAL
DAY 1: 3/14/18 00:15		) 0	0	0	0	0	0	0	0	0	0	0	2	0	) 2	0	0	0	0	0	2
00:30		0	0	0	0	0	0	0	0	0	0	0	0	0	0						0
00:45	0					0							0								0
01:00 01:15	0	0 1		0	0	0	0	0	0		0	0	0	1	0 2	0	0	0	0	0	0
01:13	0			1		0			0		0		0		0 0	0		0	0	0	1
01:45						0	0				0		0					0	0		0
02:00						0		0	0		0		0					1 0	0	2	0
02:15 02:30			0	0	0	0	0	0	0		0		0	0	0 0	0			0	0	0
02:45						0					0		1	0	1	0				0	0 1 0
03:00				0		0	0	0	0		0		0	0					0		0
03:15 03:30	0			0		0		0	0		0		0			0			0		0
03:45			0	0	0	0	0	0	0	0	0	0	1	0	) 1	0	0	0	0	0	1
04:00 04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 0
04:30	Č	0	ō	Ó	0	Ö	Ö	0	0	0	0	0	0		) 1	0	0	1	0	1	0 2 1
04:45 05:00	0			0	0	0	0	0	0		0	0	0	0	0		0	1	0	1	1
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1 0 0	0 0	0	0 0 0	4 3 1	0		5
05:15 05:30 05:45		0	0	0	0	0	0	0	0	0	0	0	1 0	0	1	0	0	1 2	0	1 3	2
06:00		2	0			0	0	0	0	0	0	0	1	0	1	Ö	1 2	4	0	6	9
06:15 06:30		2	0	0	2	0	0	0	0		0		0	0		0	1	11	0	12 15	14
06:45		2	0	3	5	0	0	0	0	0	0	0	2	3	5	0	6	19	0		2
07:00 07:15		9 4	0	3	10	0	0	0	0		0	0	6				2		0	12	28
07:30 07:45		5	0	1	6	0	0		0	0	0	0	8	7	5 12 7 15 7 19	0		9 18 26	ő		48
07:45			0	3	9	0	0		0		0		12 12		3 20	0		20	n n	24	50
08:15 08:30		1	0	4	5	0		0	0	0	0	0	12 13	6	19	0	4	13 21	0	17	41
08:30			0	4		0	0	0	0	0	0		9	4	13	ő		13	0	23 18	39
09:00		5	0	4	9	0	0	0	0	0	0	0	7	7	14	0	4	18	0	22	45
09:15 09:30		) 4	0	5	. 9	0	0	0	0	0	0	0	8	6	14	0	3	13	0	16	39
09:45 10:00	0	5	0	1		0		Ö	Ö	0	Ö	0	10	9	19	Ö	2	11	Ö	13	38
10:15		2	0	0	2	0	0	0	0	0	0	0	5	7	12	ō	4	10	0	14	28
10:30 10:45		3	0	1	4	0	0	0	0		0	0	7	4		0		7	0	8 12	23
11:00		) 2	0	4		0	0	0	0	0	0	0	8		13	ō	9	7	0	16	35
11:15	-	1	0	3	4	0	0	0	0	0	0	0	7	3	10	0	6	10	0		30
11:45		) 4	Ö	7	11	ő	0	0	0	0	0	Ō	5	5	10	ő	4	5	0	9	30
12:00 12:15		1	0	1	9 6	0	0	0	0	0	0	0	9 8	1	9		5 4	15 9	0	20 13	24
12:15 12:30 12:45		6	0	3	9	0	0	0	0	0	0	0	9		12	0		9 12	0	14 15	35
13:00		6	0			0		0	0	0	0		5	3	8			8	0		30
13:15		3	0	5	8	0	0	0	0		0	0	4	3			4	4	0	8	24
13:45	1	) 3	0			0	0	0	0	0	0	0	4 8	3	11	0	4 3	7 5	0	8	26
14:00 14:15		6	0	5	11	0	0	0	0	0	0	0	10	7	17	0	7	7	0	14	42
14:30	0	6	0	2	. 8	0	0	0	0	0	0	0	8 7	3	11 12	0	3 0	6 8	0	8	28
14:45 15:00		7	0	4		0	0	0	0		0	0	12	2		0	3	10 12	0	13 19	23 50
15:15	Č	12	0		14		0	Ö	0	0	0	0	12 12	5	17	0	4	12 5	0	9	43
15:30 15:45		9	0	4		0	0	0	0		0	0	8 15	4		0	5 5	17 8	0	22	40
16:00 16:15		3	0	2	5	Ö	0	0	0	0	0	0	5	5				7	0		27
16:15		12	0	5	11	0	0	0	0		0	0	17 16	10	18		1 4	6 11	0		45 54
16:30 16:45 17:00		9	0	7	21 16	0	0	0	0	0	0	0	16 21 15	3	24	0	4 3	10	0	14 12	54
17:15				7		0		0	0	0	0	0	19	- 4	23	0	8	10	0	18	63
17:30 17:45		7	0	7	22 14 16	0	0	0	0		0	0	24 12	6	30	0	0 4	15	0	15	59
18:00				1	9	0	0	0	0	0	0	0	22 17	13	24	0	7	7	0	14	47
18:15		6	0	7		0			0	0	0		17	6		0	2	9	0	11 17	47
18:30 18:45	-	) 4	0	2		0	0	0	0	0	0	0	21 14	6	3 27 1 18	0	3 0	14	0	9	33
19:00		5	0	6	11 10	0	0	0	0	0	0	0	9	5	15		2	6	0	8	34
19:15 19:30	0			2	. 4	0	0	0	0	0	0	0	9	3	12	ŏ	1	2	0		19
19:45 20:00	0	2	0	7		0	0	0	0	0	0	0	6 10	3	9		5 3	0	0	5	23
20:15	0		0	1	7	0	0		- 0	0	0	0	7 2			0	1 2	4	0	5	24
20:30	0	1 4	0	5	9	0	0	0	0	0	0	0	2	5 2 1	. 4	0	2	2	0	4	17
20:45 21:00	0		0	1	. 4	0	0		0	. 0			5	2	. 7	0	1 2	3	0	5	16
21:15 21:30	0	1 6	0	3 2	4	0	0	0	0	0	0	0	3 5	2	5	0	2 1	4	0	6	15
21:45		5	0	2	. 7	0	0	0	0	0	0	0	4	1	. 5	0	2		0	5	17
22:00 22:15	0	0	0	- 1		0	0	0	0	0	0	0	5	4	9	0	2	1 0	0	3	13
22:30	0	0	0	1	1	0	0	0	0	0	0	0	3	0	3	Ö	0	3	0	3	
22:45 23:00	0	3	0	1 2	4	0	0	0	0	0	0	0	1 6	0	1 10	0	1 0	0	0	1	15
23:15		0	Ö	0	0	0	0	0	0	Ō	ō	0	3	0	3	0			0	1	6 15 4 5 3
23:30 23:45		1	0	1 0		0	0	0	0	0	0	0	0	1	1	0		1	0	1	5
00:00	Č		ő	ő		ő			ŏ		Ö		î	Ö	1	ő	ő	2	ŏ	2	6
TOTAL	0	200	0	240	557	0	0	0	0	0		0	F00	201	000	0	241	603		043	2200
TOTAL AM Peak Vol	0	309 12	0	248 18	557 30	0	0	0	0	0	0	0	588 46	301 30	889 76	0	241	<b>602</b> 80	0	843 103	2289 209
PM Peak Vol	1 0	12	ň	18 22	30 61	ň	ň	0	ň	0	ň	0	77	30 25	76 102	0	23 19	41	0	60	209

#### Turning Movement Counts - Field Sheet (All Vehicles except Box Trucks and Tractor Trailors)

Job No.: 17-0013.003

Location: Miller School Rd at Plank Rt
Date: 3/14/2018 & 3/15/2018

 PEAK HOURS
 AM PERIOD
 Start
 End
 Volume
 PM PERIOD
 Start
 End
 Volume

 12:00AM-12:00PM
 07:30
 08:30
 209
 12:00PM-12:00AM
 17:00
 18:00
 223

PEAK HOURS	AM PERIOD	Start	End	Volume		PM PERIOD	Start	End	Volume	
PEAK HOURS	12:00AM-12:00PM	07:30	08:30	195		12:00PM-12:00AM	17:00	18:00	244	

Street Name>	Miller School	ol Rd									Plank Rd					Plank Rd					
HOUR ENDING	U turn	Left	From North Through	Right	Total	U turn		rom South Through	Right	Total	U turn	Left	From East Through	Right	Total	U turn	Left	From West Through	Right T	otal	GRAND TOTAL
DAY 2: 3/15/18																					
00:15	0	0	0	0	0	0	0	0	0		0			0		0			0	3	3
00:30 00:45	0	0	0	0	0	0	0	0	0		0		0	0	1	0	0	0	0	1	2
01:00 01:15	0	0	0	0	0	0	0	0	0		0			1 0	1	0		1 0	0	1	2
01:30	0	1	0	0	1	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	3
01:45 02:00	0	0	0	0	0	0	0	0	0		0		1 0	0		0		0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30 02:45	0	0	0	0	0	0	0	0	0		0			0		0		0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0			0	0	0			0	2	2
03:15 03:30	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
03:45 04:00	0	0	0	0	1	0	0	0	0		0			0		0		0	0	0	0
04:15	0	0	0	2	2	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	4
04:30 04:45	0	0	0	0	0 1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
05:00 05:15	0	0	0	0	0	0	0	0	0		0			0	0	0		2	0	2	2
05:30	0	0	0	0	0	0	0	0	0	0	0	0	2	0		0	0	2	0	2	4
05:45 06:00	0	0	0	0	2	0	0	0	0		0			0	1	0			0	6	5 9
06:15 06:30	0	2	0	1 0	3	0	0	0	0	0	0	0	1	2	3	0	0	12	0	12 15	18
06:45	0	3	0	0	3	0	0	0	0	0	0	0	1	3	4	0	1	20	0	21	20 28
07:00 07:15	0	5	0	1 2	6	0	0	0	0		0			5 1	12	0		12	0	16 10	34
07:30	0	8	0	0	8	0	0	0	0	0	0	0	7	9	16	0	4	19	0	23	23 47
07:45 08:00	0	7 2	0	3	9 5	0	0	0	0		0		12	6	18	0		14	0	35 20	56 43
08:15 08:30	0		0	4 5	9	0	0	0	0	0	0	0	6	11 9	17	0	3	18	0	21 22	43 47 49
08:45	0	1	0	4	5	0	0	0	0	0	0	0	9	2	11	0	5	21	0	26	42
09:00 09:15	0	4	0	1	5	0	0	0	0		0			7 9					0	20 17	42 37
09:30	0	6	0	2	8	0	0	0	0	0	0	0	8	5	13	0	4	10	0	14	35 21
09:45 10:00	0	7	0	2 5	9 12	0	0	0	0		0			3		0	1 2	5 4	0	6	26
10:15 10:30	0	4 2	0	1 3	5	0	0	0	0		0		6	2	8 13	0		6 16	0	8 17	26 21 35
10:45	0	3	0	5	8	0	0	0	0	0	0	0	4	2	6	0	3	7	0	10	24 19
11:00 11:15	0		0	0 2	5	0	0	0	0		0			3 6		0			0	11	19 20
11:30 11:45	0	2	0	4 5	6	0	0	0	0	0	0	0	3	7	10	0	1	8	0	9	25
12:00	0	5	0	2	7	0	0	0	0		0	0	7	2	9	0	3	6	0	9	25 27 25
12:15 12:30	0	2	0	1 2	3	0	0	0	0		0	0		3		0	3	5	0	8	18 25
12:45	0	6	0	1	7	0	0	0	0	0	0	0	7	6	13	0	2	7	0	9	29
13:00 13:15	0	3	0	1 3	4	0	0	0	0		0			4	16 14	0		2 8	0	12	30
13:30 13:45	0	4	0	3 2	7	0	0	0	0		0			0		0		9	0	14 11	30 21
14:00	0	4	0	5	9	0	0	0	0	0	0	0	11	1	12	0	4	6	0	10	31
14:15 14:30	0	7	0	7	4 14	0	0	0	0		0		11 7	3	13 10	0	3 2	11 10	0	14 12	31 36 40
14:45	0	3	0	8	11 13	0	0	0	0		0			2	13 16	0		11 6	0	16	40
15:00 15:15	0		0	5	9	0	0	0	0		0		8	8	17	0	2	6	0	10 8	39 34
15:30 15:45	0	6 2	0	3	9	0	0	0	0	0	0			5 4	10 14	0		8	0	16 12	35 31
16:00	0	9	0	6	15	0	0	0	0	0	0	0	10	5	15	0	5	13	0	18	48
16:15 16:30	0	9	0	6	15 18	0	0	0	0		0			9				10 14	0	11 15	48 64 54
16:45 17:00	0	9	0	6	15 7	0	0	0	0		0		19	5 11		0		8 7	0	15 11	54
17:15	0	13	0	5	18	0	0	0	0	0	0	0	24	10	34	0	6	6	0	12	43 64
17:30 17:45	0	8	0	6 13	15 21	0	0	0	0	0	0	0	14	10	20	0	7 5	10	0	17 13	68 54
18:00	0	11	0	9	20 9	0	0	0	0	0	0	0	20	9	29	0	2	7	0	9	54 58 55 34
18:15 18:30	0	6	0	7	13	0	0	0	0	0	0	0	9	7	12	0	4	18 5	0	9	34
18:45 19:00	0	5 7	0	5 11	10 18	0	0	0	0		0			4		0		8 7	0	10	37
19:15	0	7	0	6	13	0	0	0	0	0	0	0	18	9	27	0	3	3	0	6	38 46
19:30 19:45	0	2	0	7	16 3	0	0	0	0	0	0	0	8	2	9	0		7	0	7	37 19
20:00	0	3	0	5	8	0	0	0	0	0	0	0	5	2	7	0	3	0 4	0	3 11	18
20:15 20:30	0	11	0	1	12	0	0	0	0	0	0	0	3	2	5	0	4	6	0	10	27
20:45 21:00	0		0	3 4	5 8	0	0	0	0		0			0		0			0	2	27 10 13
21:15	0	1	0	4	5	0	0	0	0	0	0	0	3	2	5	0	2	3	0	5	15
21:30 21:45	0	2	0	0	2	0	0	0	0	0	0		0	2		0	0		0	2	15 6
22:00 22:15	0	2	0	2	4	0	0	0	0	0	0		7	3	10	0		1	0	1	15 8
22:30	0	3	0	1	4	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	8
22:45 23:00	0	1 3	0	3 1	4	0	0	0	0		0			1 2	4	0		4	0	0	12
23:15	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	7
23:30 23:45	0	0	0	1	6 1	0	0	0	0	0	0	0	0	1	1	0	0		0	0	6
00:00	0	0	0	1	1	0	0	0	0		0			0	1	0		1	0	1	3
TOTAL	0	317	0	252	569	0	0	0	0	0	0	0	570	301	871	0	220	572		792	2232
AM Peak Vol PM Peak Vol	0	17 41	0	14 33	31 74	0	0	0	0	0	0	0	36 84	30 35	66 119	0	26 20	72 31	0	98 51	195 244
			-			-	-			-								1			

# A. Morton Thomas & Associates, Inc. Turning Movement Counts - Field Sheet (Box Trucks)

		PEAK HOURS		PERIOD N-12:00PM	09:00	10:00	10				ERIOD I-12:00AM	13:00	14:00	volume 8							
Street Name>	Miller Sch										Plank Rd					Plank Rd					
HOUR			From Nort	th				From South					From East				F	From West			GI
ENDING	U turn	Left	Through		Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	T
DAY 1: 3/14/18																					
00:15		0 0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
00:30							0	0			0									0	_
00:45 01:00		0 0						0			0			0				0	0	0	- 1
01:15	-	0 0	Ö				0	ő	0			0	0	0				0	0	0	H
01:30		0 0	0					0	0		0	0	0	0	0	0		0	0	0	
01:45 02:00		0 0												0						0	- 1
02:15		0 0									0			0						0	F
02:30		0 0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02:45		0 0	0 0				0	0	0		0	0		0		0		0	0	0	-  -
03:15		0 0									0			0						0	F
03:30		0 0												0						0	
03:45 04:00		0 0	0			0	0	0	0	0	0	0		0	0	0	0	0	0	0	-  -
04:15		0 0	0		0	0	Ó	Ó	0	- 0	0	0	0	Ö	0	0	Ö	0	0	0	E
04:30 04:45		0 0	0			0	0	0	0	0	0	0		0	0	0	0	0	0	0	H
05:00	-	0 0	0		0	0	0	0	0	- 0	0	0	0	0	0	0	0	0	0	0	F
05:15 05:30	1	0 0	0	+ - 2	5 1	Ö	0	0	0	Ö	0	Ö	0	0	0	0	0	0	0	1	H
05:45 06:00		0 0	0	1 8	0	0	0		0	0	0	0	0	0	0			0		0	F
06:15		0 0	0		0	0	0	0	0		0	O	0	0	0	0	1	0	0	1	E
06:30 06:45	1	0 0			1 1	0	0	0	0	0	0	0	0	0		0		0	0	0	F
07:00		0 0	0		0 0	Ö	0	0	0		0	Č	0	Ö	0	0	0	0	Ö	ő	þ
07:15 07:30		0 0	0	1	0 1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	H
07:45 08:00		0 0	0 0		0 0	0		0	0	0	0		0	0		0	Õ	0	0	0	F
08:15	1	0 0	0		1 1	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	H
08:30 08:45		0 1	0		0 1	0	0	0	0		0	0	0	2				0	0	0	F
09:00		0 1	0	1 (	1	0	n	0	0	0	0	0	0	ō	0	0	0	0	0	0	
09:15 09:30		0 1	. 0		1 0	0	0	0	0	0	0	0	0	1	1 1	0	1 0	1	0	2	ŀ
09:45	į į	0 0	0		0 0	Ö	0	0	0	0	Ö	Ö	0	ō o	0	0	0	2	0	2	E
10:00 10:15	-	0 0	0	(	0 1	0	0	0	0	0	0	0		0		0	1 0	0	0	0	H
10:30 10:45		0 0	0		0 0	0	0	0	0	0	0	0	0	0	0		0	1	0	1	F
11:00	1	0 1	0		1	0	0	0	0	0	0	0	0	0					0	1	H
11:15		0 2	2 0		2	0	0		0	0	0	0	1	0	1 0	0	0	0	0	0	F
11:45		0 0	0 0	ì	0	ő	0	0	ŏ		ő	Ö	0	ĭ	1	ŏ	0	0	ő	ő	
12:00 12:15		0 0	0 0		0 0	0	0		0	0	0	0	0	0	0	0	0	2	0	2	- 1
12:30 12:45		0 0			0 0	0	0	0	0	0	0	0	1	1	2	0	Õ	0	0	0	
13:00	1	0 2	0		2	0	0	0	0	0	0	0	1	ò	1	0	2	1	0	3	-
13:15		0 1	0		1 2	0	0	0	0	0	0	0	0 2	0	0	0	0	0	0	0	F
13:45		0 0			2 2	0	0	0	0		0	Ö	3	Ö	3	0	0	2	0	2	E
14:00 14:15	-	0 2	0 0		1 1	0	0	0	0	0	0	0	3 0	0	5	0	0	0	0	0	ŀ
14:30 14:45	-	0 0	0 0		0	0	0	0	0	0	0	0	1 2	2 0	3	0	1	1	0	2	
15:00		0 0	0 0	1	0	0	0	Ö O	Ö O	0	0	0		0		Ŏ O	0	0	0	1	H
15:15 15:30		0 1	0		1	0	0		0	0	0	0	1	1	2	0	0	0		2	F
15:45		0 1	0		1	0	0	0	0		0	O		Ö		0	0	1	0	1	E
16:00 16:15		0 0	0 0		0 0	0	0		0	0	0	0	0	0	1			0 2		3	H
16:30 16:45		0 0			0 0	0	0	0		0	0	0	0	0	0					0	
17:00		0 2			2	: 0	0	0			0	0	0	0				0	0	0	H
17:15 17:30		0 1	0		1 1	0	0	0	0	0	0	0	0	0	0	0		1 0		1	F
17:45	1	0 0				ő	0		0	0	0	0	0	0				0		0	H
18:00 18:15		0 0	0 0		0	0	0	0	0	0	0	0	0	0	0	0		1 0	0	1	F
18:30		0 0	0		0 0	ő	0	0	0	0	Ö	0	0	ő	0	0	0	0	0	0	E
18:45 19:00		0 0	0 0		0 0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	-  -
19:15		0 0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ė
19:30 19:45	- 1	0 0	0 0				0	0	0	0	0	0		0	0	0	0	0	0	0	- 1
20:00 20:15		0 0	0	9	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20:30		0 0			0	0	0	0	0		0	0	0	0	0					0	Ŀ
20:45 21:00		0 0	0			0	0	0	0	0	0	0		0			0	0	0	0	F
21:00 21:15		0 0	0 0			0	0	0	0	ŏ	ő		ŏ	ŏ	0	0	0	0	ŏ	ő	þ
21:30 21:45	1	0 0			0 0	0	0			0	0	0	0	0	0			0		0	F
22:00		DI G	)   0			0	Ó	0	0	1 0	0		ŏ	Ó	0	ŏ	0	0	ŏ	ő	t
22:15 22:30	1	0 0	0	+ - 2	0 0	0	0	0	0		0	0	0	0		0	0	0	0	0	ŀ
22:45 23:00 23:15		0 0			0 0	0	0		0	, o	0	0	0	0	0	0	0		0	0	ļ
23:15		0 0	)   0		o o	0	0	0	0	- 0	0	ō	0	0	0	0	0	0	0	0	ŀ
23:30 23:45		0 0	0		0 0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	F
00:00		0 0	0	1	5 0	0		0	0		0		0	0		0	0	0	0	0	ŀ
	1				1	1															
OTAL M Peak Vol	0	21	0	10 0	31 1	0	0	0	0	0	0	0	23	15 1	38 3	0	2	25 4	0	33 6	
M Peak Vol M Peak Vol	0	2	0	0	2	0	0	0	0	0	0	0	2	1	3	0	0	3	0	3	
																				-	

#### Turning Movement Counts - Field Sheet (Box Trucks)

Job No.: 17-0013.003

State: Virginia
Town: Batesville
Weather:

 PEAK HOURS
 AM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | End | Volume | PM PE

 PEAK HOURS
 AM PERIOD
 Start
 End
 Volume
 PM PERIOD
 Start
 End
 Volume

 12:000M-12:000PM
 09:15
 10:15
 11
 12:000M-12:000M
 14:30
 15:30
 11

0030 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Right   Total	GRAND TOTAL
DAY 2:3/15/18    00:15	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	
00:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	Π
00.45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0	
01:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0		0
01:30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0		0
		0 0 0	0
		0 0 0	0
02:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
	0 0	0 0 0	0
03:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
	0 0	0 0 0	0
03:45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0	0
04:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
		0 0 0	0
05:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
	0 0	0 0 0	0
	0 0	0 0 0	0
		0 0 0	0
		1 0 1 0 0 0	0
07:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
		0 0 0	0
07:45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
		0 0 0	1
		1 0 1	3
09:00 0 0 0 1 1 0 0 0 0 0 0 0 0 0 1 1	0 0	0 0 0	2
		0 0 1	1
09:45 0 1 0 0 1 0 0 0 0 0 0 0 0 2 3 5	0 0	0 0 0	6
		2 0 2 0 0 0	3
10:30 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
		0 0 0	1
	0 0	1 0 1 2	3
11:45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
		1 0 1 0 0 0	5
12:30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
		0 0 0	1
13:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
13:45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	1 0 1	1
14:00 0 1 0 0 1 0 0 0 0 0 0 0 0 1 0 1		0 0 0	2
14:30 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0	0 0	1 0 1	2
	0 0	1 0 1	1
15:15 0 0 0 1 1 1 0 0 0 0 0 0 1 0 1	0 1	0 0 1	3
		0 0 0	3
16:00 0 0 0 1 1 0 0 0 0 0 0 0 0 0	0 0	0 0 0	1
16:30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	4 0 4 0 0 0	5
		0 0 0	0
17:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
	0 0	1 0 1 0 0 0	0
18:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
18:30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
18:45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
19:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
19:30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
20:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
		1 0 1 0 0 0	1 0
20:45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
21:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
21:30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
22:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
22:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0	0
22.45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
23:15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0	0
23:30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 0 0	0
	0 0	0 0 0	0
TOTAL 0 12 0 6 18 0 0 0 0 0 1 18 10 29 0	2 22	0 24	71
AM Peak Vol 0 2 0 0 2 0 0 0 0 0 0 0 0 0 2 3 5 0	1 3	0 4	11
PM Peak Vol 0 0 0 1 1 0 0 0 0 0 0 5 1 6 0	1 3	0 4	11

# A. Morton Thomas & Associates, Inc. Turning Movement Counts - Field Sheet (Tractor Trailors)

		PEAK HOURS		PERIOD N-12:00PM	Start 09:30	End 10:30	Volume 1				ERIOD -12:00AM	Start 18:45	End 19:45	Volume 3							
Street Name>	Miller Sch	ool Rd				1					Plank Rd					Plank Rd					
HOUR			From Nort	th				From South			Fidilk Ku		From East			ridiik Ku		From West			GRAND
ENDING	U turn	Left	Through	Right	Total	U turn	Left	Through		Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	TOTAL
DAY 1: 3/14/18																					
00:15		0	0		) 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	(		0		0	0		0			0	0	0	0	0	0	0	0	0	0	0 0 0
00:45						0	0				0		0	0	0				0	0	0
01:00 01:15		0 0	0			0	0	0			0	0	0	0	0	0	0	0	0	0	0
01:30		0				0	0				0		0	0				0	0		0
01:45	(	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00						0					0		0				0				0
02:15 02:30		0 0	0			0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
02:45		0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	(		0		0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
03:15	(	0 0				0					0		0				0			0	0 0 0 0 0 0 0 0
03:45		0				0					0		0	0			0				0
04:00 04:15		0 0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30		8	0		0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0
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07:00 07:15		0 0	0		0 0	0	0		0		0		0	0			0	0	0	0	0
07:15 07:30		0 0	0		0	0	0	0	0	0	0	0	0	0 0 0	0	0	0	0	0	ő	0 0 0
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08:15 08:30		0 0	0		0	0		0	0	0	0	0	0	0	0	0	0	0	0		0 0 0
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09:00 09:15		0 0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:30		0	0		0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0 0 0 0
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10:30 10:45		0 0	0		0 0	0	0	0	0	0	0	0	1 0	0		0	0	0	0	0	1
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13:00		0	0		0	0	0			0	0		0				0	0	0	0	0 0 0 0
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16:00 16:15		0 0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30		0 0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0 0 0 0 0 0 0 0 0
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17:15		0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ő	0
17:30 17:45		0 0	0		0	0	0	0	0	0	0	0	1 0	0	1 0	0	0	0	0	0	1 0 0 0 1 0 1 0
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21:45 22:00		0 0	0		) 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15 22:30		0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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23:30	(	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45 00:00		0 0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0 0 0 0 0 0 0
00:00	<b>+</b> '	, 0	1 0	1	, 0	- 0	. 0		1 0	1 0	0			1 0	1 0	0	0	1 0	1 0		
TOTAL	0	2	0	0	2	0	0	0	0	0	0	0	6	2	8	0	1	2	0	3	13
AM Peak Vol PM Peak Vol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 0	0	0	0	1 3

#### Turning Movement Counts - Field Sheet (Tractor Trailors)

 Job No.:
 17-0013.003

 Location:
 Miller School Rd at Plank Rd

 V School R6 at Plank Rd
 State:
 Virginia

 202018 & 3/15/2018
 Town:
 Batesville

 AAIT
 Weather:

 PEAK HOURS
 AM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | End | Volume | PM PERIOD | Start | End | Volume | PM PERIOD | End | PM PER

 PEAK HOURS
 AM PERIOD 12:00AM-12:00PM
 Start 5:00AM-12:00PM
 End 10:15
 Volume 11:15
 PM PERIOD 12:00AM 12:00AM
 Start 5:00 13:00
 End 3:00AM-12:00AM

Name>	Miller School	ol Rd									Plank Rd					Plank Rd					
HOUR		1.6	From North Through	n'-t-	*		1.6	From South	n'-t-	w.v.1			From East	n' Li	*		1.6	From West	Right	*	GRAND
ENDING	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	TOTAL
DAY 2: 3/15/18																					
00:15	0	0	0	0	0	0	0	0	0		0		0	0		(	0		0	0	0
00:30 00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0 0	0	0	0	0
01:00	0	0	0	0		0	o o	0	0		0		ő	ő	0	ì	) 0		0	0	0
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
01:30	0		0	0	0			0			0		0	0	0	(	0	0	0	0	0
01:45 02:00	0	0	0	0	0	0	0	0	0		0	0	0	0	0	(	0 0		0	0	0
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Č	0	0	0	0	0
02:30	0	0	0	0		0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
02:45	0		0	0	0	0	0	0	0		0				0	(			0	0	0
03:00 03:15	0	0	0	0	0	0	0	0	0		0			0	0	(	0 0		0	0	0
03:30	0	0	0	0	0	0	0	0	0		0	0	0	0	0	(	0 0		0	0	0
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
04:00	0		0	0				0	0		0				0	(			0	0	0
04:15 04:30	0	0	0	0		0	0	0	0		0			0	0	(			0	0	0
04:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Č	0		0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0		0	0	0
05:30 05:45	0	0	0	0	0	0	0	0	0		0			0	0	(			0	0	0
06:00	0	0	0	0	0	0	0	0	0		0				0				0	1	1
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0		0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0		0	0	0
06:45 07:00	0		0	0		0	0	0	0		0				0	(			0	0	0
07:00	0		0	0		0	0	0	0		0				0	(			0	0	0
07:30	0		0	0		0	0	0	0	0	0	0	0	0	0	(	0	-	0	0	_ 0
07:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
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08:15 08:30	0	0	0	0	0	0	0	0	0		0				0	(			0	0	0
08:30	0	0	0	0	0	0		0	0		0				0	(			0	0	0
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	2	0	2	2
09:15	0	0	0	0		0	0	0	0	0	0	0	0	0	0	(	0		0	0	0
09:30	0	0	0	0	0	0	0	0	0		0				0	(			0	0	0
09:45 10:00	0	0	0	0	0	0	0	0	0		0			0	0	(	0 0		0	0	0
10:15	0	0	0	0	0	0	0	0	0		0			0	0				0	0	0
10:30	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1	(	0	0	0	0	2
10:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0		0	0	0
11:00	0	0	0	0		0		0	0		0				0	(			0	0	0
11:15 11:30	0	0	0	0		0	0	0	0		0				1	(			0	0	1
11:45	0	0	0	0		0	0	0	0		0				0	·			0	0	0
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
12:15	0		0	0		0	0	0	0	0	0				0	(			0	0	0
12:30 12:45	0	0	0	0		0	0	0	0		0				0	(			0	1	1
13:00	0	0	0	0	0	0	0	0	0	0	0				0		) 1	0	0	1	1
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0		0	0	0
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0		0	0	0
13:45	0	0	0	0	0	0	0	0	0		0				0	(			0	1	1
14:00 14:15	0	0	0	0	0	0	0	0	0		0	0		0	0	(	0 0		0	0	0
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14:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
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15:15 15:30	0	1	0	0	1	0	0	0	0		0	0			0	0			0	0	1
15:45	0	1	0	0	1	0	0	0	0		0				0	(			0	0	1
16:00	0	0	0	0	0	0	0	0	0		0				1	(	0	0	0	0	1
16:15	0		0	0	0	0	0	0	0	0	0	0	0	0	0	(	0		0	0	0
16:30 16:45	0	0	0	0		0	0	0	0		0	0			0	(			0	0	0
17:00	0	0	0	0		0	0	0	0		0				0		0 0		0	0	0
17:15	0	0	0	0		0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0		0	0	0
17:45	0	0	0	0	0	0	0	0	0	0	0				0				0	0	0
18:00 18:15	0	0	0	0	0	0	0	0	0		0	0			0	(		1	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0		0	(	0		0	0	0
18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0		0	0	0
19:00	0		0	0		0	0	0	0	0	0					(	0		0	0	0
19:15 19:30	0		0	0		0	0	0	0		0				0	(			0	0	0
19:45	0		0	0		0	0	0	0		0	0	0	0	0	(	) 0		0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	_ 0
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20:30 20:45	0		0	0				0	0		0				0				0	0	0
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21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
21:30	0		0	0	ō	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
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22:15 22:30	0		0	0		0		0	0		0					(			0	0	0
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(	0	0	0	0	0
23:15	0		0	0	0	0	0	0	0		0				0	0			0	0	0
23:30 23:45	0	0	0	0	0	0	0	0	0		0			0	0	(			0	0	0
00:00	0		0	0	0	0	0	0	0		0			0	0		) 0		0	0	0
,																			1		
TOTAL	0	3	0	0	3	0	0	0	0	0	0	0	1	3	4	0	1	5	0	6	13 1 3
AM Peak Vol PM Peak Vol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1 2
WI FEAK VUI	J	J	v	U	U	J	v	v	U	U	U	U	1	U	1	U	1	1	v	4	3

# A. Morton Thomas & Associates, Inc. Turning Movement Counts - Field Sheet (All Vehicles except Box Trucks and Tractor Trailors)

		PEAK HOURS	AM PI 12:00AM		Start 07:15	End 08:15	Volume 1173			PM P 12:00PM	ERIOD -12:00AM	Start 16:15	End 17:15	Volume 1322							
Street Name>	Monacan T	rail Rd (Rte 29)				Moncan Trail F	2d (Pto 29)				Plank Rd					Plank Rd					
HOUR	Monacan	Tall Ku (Kte 20)	From North	h		MOTICALI TTALL P	tu (Kte 29)	From South			rialik Ku		From East			rialik Ku		From West			GRAND
ENDING	U turn	Left	Through		Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	TOTAL
DAY 1: 3/14/18 00:15	0	0	16	1	. 17	0	0	4	0	4	0	0	0	1	1	0	0	0	0	0	22
00:30	0	0	14	0	14	0	0	2	0	2	0	1	0	0	1	0	0			0	22 17 13 15 7
00:45	0	1			7	0	0				0		0	0	0				0	0	13
01:00	0	2	5	0		0	0	7	0		0	1	0	0	1	0		0	0	0	15
01:15 01:30	0	0	5	1 0		0	0		0		0		0				0			1	9
01:45	0	0		0		0	0	7	0		0	0	0	0	0	0	0	0	0	0	11
02:00	0	0				0					0		0							0	3
02:15	0	0	4			0	0	3	0	3	0	0	0	0	0	0		0	1	1	7
02:30 02:45	0	0	4 2	1 0	. 5	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	8
03:00	0	0	6	0		0	0	2	0		0	0	0	0	0		0			0	8
03:15	0	1	5	0		0	0	4			0	0	0	1	1	0	1	0	0	1	13
03:30	0	1				0			0		0		0	0						0	6
03:45 04:00	0	0	5	0		0	0	4 13	0	4 14	0	0	1 0	0	1 0	0	1 0	0	0	1 0	11
04:15	ő	0	5	0	5	0	1	12	0	13	0	0	0	0	0	0	0	0	0	Ö	18
04:30 04:45	0	0	1 3	0		0	0	11 14	0	11 15	0	0	0	0			1	0	0	1	13
05:00	ŏ	Ô	4	0	) 4	0	0	20	1	21	0	2	0	0	2	0	1	0	0	1	28
05:15 05:30	0	0	6 7	0	6	0	0 1	27	1 0	28	0	0	1 0	1	2	0	1 4	2	0	3	39
05:45		Ö	6	0	6	0	0	38 40	1	39	0	0	0	3	3 0	0	2	0		2	50
06:00 06:15	Ŏ	2	13 13	0	15	0			3	43 81	0	0			0		3		1 2	4	11 16 18 13 20 28 39 33 50 62 112 146
06:30	0	4	15	1	20 36	0	2 3	75 92 111	6	100	0	1	2				7	5 5	5	17	146
06:45 07:00	0	4	30 28	2	2 36	0			6				2 5			0	10 12	5		17	184 187
07:00 07:15 07:30	0	5		1	39	0	4 4 3	106 135 167	5 6	145	0	1	3 4	9 5		0	12	3	7 3	21 15	209
07:30 07:45	0	5 10 10	33 41 43	4	55	0	3 6	167 185	11 14	181 205	0	5	4 6 14	5 12 14	23 29	0	9 15 25	3 2 6	3	15 20 35	209 279 326
08:00	0	10	55	4	64	0	4	185 181	14	205 197	0	4	9	14	29		23	3	0	26	
08:15 08:30	0	7	54 43	9	64 9 70 8 65	0	4 3 5	142 144	12 9 13	154 162	0	1	5 2	3	9	0	10 25	15	2	27 31	260 271
08:30	0	8		13	52	0	6	144	13	156	0	3	5	10		Ü	18	2	4	24	2/1
09:00		8	45	10	63 72	0	4	109	6	119	0	3	3	. 8	14 24	0	14	6 5	5 4	25 25	248 221 255 244 195 174 201
09:15 09:30	0		52	16 11	72	0	5	117 121	12 10	134 136	0		4	9	20	0		3	0	18	255
09:45	Ö	8	47	11 6	61	0	2	95	5	102	ŏ	4	6	5	15	Ö	15 9	6	2	17	195
10:00 10:15	0	9	49 46	9		0		69 99	10 6	109	0	4	0	10			15 3	3 5	1 4	19 12	201
10:30		4	43	3	50	0	2	82	8	92	0	4	2	6	12	0	4	3		8	162
10:45 11:00	0	5	52 68	5		0	3 2	94 71	7		0	6	3	4 10		0	5 8			9	188 187
11:15	Ö	11	56		72	ő	1	66	7	74	0	2	5	7	14	0	11	1	1	13	173
11:30 11:45	0	12	50 58	5	61 79	0	2 4		7		0	4	3	4 10		0	5 5		2	11	173 148 199 194 184 207 212 186 183 195 218 220 194 240 226
12:00	1	10	70	6	87	ő	1	68	5	74	0	3	8	10	21	ő	6	6	0	12	194
12:15 12:30	0	16	54 67	8	71 91	0	1 2	75 73	5	81 84	0	2	4	8	14	0	9	5 9	4	18 17	184
12:45	Ó	5	77	8	3 90	0	4		6	87	0		7	8	17	0	11	5	2	18	212
13:00 13:15	2	12	49 68	3	8 66 80	0	0	79 64	5	84 74	0	5	5	7	17	0	8 10		4	19 16	186
13:30		7	70	8	85	ő	2 3	67	3	72	0		1	7			5	4		11	183
13:45 14:00	0	7	80 76	7	94	0	3 6	77	2 6	82	0	7	1	1	9	0	5 5	3	2	10	195
14:15 14:30	Ö	12	81 98	7	100	0	1	87	4	92	0	4	4	6	14	0	8	2	4	14	220
14:30	0	7	98 109	6	111 126	0	2	55 80	5 4		0	3	4	3 5	10 14	0	3 7	3	5 4	11 14	194
15:00	0	13	96	8	117	0	6	70	7	83	0		4	6	13	ő	6	2	5	13	226
15:15 15:30	0	9		6	116	0	1 4	54 60	8	63 70	0	5	2 2			0	13 12	5	4 3	22 18	215
15:45	ő	17	122	14	153	0	1	66	6	73	0	3	4	7	14	ō	14	6	1	21	220 261
16:00 16:15	1 0	12	120 145	13	3 146 1 169	0	4	70 63	8 7	82 74	0	4	4	6 11	14	0	7 6	4	5	16 11	258
16:30		16	175	17	208	0	2	74	5	81	0	7	6	8	21	0	8	9	5	22	258 277 332 323 343
16:45 17:00	0	20	175 171 182	17	208	0	7	57 75	4 7	68 83	0	8	9	7	24 18	0	10	5	8	23 21	323
17:15	L i	10	160	12	183	0	5	72	5	82	0	13	7	5	25	Ö	13	10	- 11	34	324
17:30 17:45	0	23 10	132 135	16 15	171 5 161	0	4 2	75 74	7 2	86 78	0	5	6 10	3 10	14 21	0	17 13	8 14	6	31 31	302 291
18:00	3	25	124	18	170	0	3	51	2	56	0	4	9	5	18	0	4	- 1	6	11	255
18:15	1	10	132	23	166	0	5	53	8	66	0	12	6	2	20 15	0	6	8	4 5	18	270
18:30 18:45	1	16	92	14 13	241 3 122	0	2	60	6	69	0	6	7	0	13	0	7		3	14 15	255 270 350 219 195 173 149 143 128 142 96 117 92 88 87
19:00 19:15	0	18	83	- 11	112	0	2	44	5	51	0		6	5	20		5 2		3	12	195
19:30	0	5	73	5	83	0	1	37	3	41	0	7	7	6	20	0	2	1	2	5	149
19:45 20:00	0	11 10	73 62	8 10	92	0	2	33 28	5	40 30	0		2	1	8	0	2	0		3	143
20:15	1 2	10	70 53	6	83	0	1 0	28 27	1		0 0	6	3 6	2	11	0	5	5		14	142
20:30	2	8	53 63	6		0	0 1	20	0 5	20 32	0	2	1 2	1	4	0	1	5 0 0	2	3	96
20:45 21:00	0		41	3 5	74	0	2	30	5	33	0	3	1	1 3	4	0	3	0 2	0	3	92
21:15	0	4	43	5	52	0	0	18	1	19	Ö	4	4	2	10	Ö	1	4	2	7	88
21:30 21:45	0	2	32 34	5	39	0	0	19 17	3 2		0	5 1	1 2	0	6	0	1 0	2	1 4	4	70
22:00	ŏ		32	3	36	0	3	19	4	26	0	6	1	2	9	Ö	2	1	1	4	75
22:15 22:30	0	4	27 27	4	36 35 29	0	0	15 14	0	15 15	0	1	0	2 2	4		1 2	1 2	1 0	3	57
22:45 23:00	Ö	2	22	3	27	0	2	12	Ō	14	0	1	ō	0	1	0	2	1	0	3	45
23:00 23:15	0	0	22 19	7	29	Ö O	0	10	Ŏ O	10 5	0	1 1	1	0	3	Ö	1 0	1	1 0	3	29
23:30	0	0	25	0	25	0	1	9	0	10	0	0	0	1	1	0	2	0	0	2	38
23:45 00:00	0	0	28 13	2	30	0	1 0	3 5	0	4	0	0 1	0	0	0	0	1	0	2 0	3	70 75 57 52 45 44 29 38 37
	t	•	1 15		1	Ů		•			Ů				•	Ů	•	*	•		
TOTAL	23	632	5151	545	6351	0	179	5153	387	5719	0	287	280	379	946	0	556	281	205	1042	14058
AM Peak Vol PM Peak Vol	0	32 68	193 688	21 63	246 820	0	16 15	675 278	46 21	737 314	0	11 34	34 30	37 24	82 88	0	73 39	26 31	9 30	108 100	1173 1322
- MI LOUK VOI																					

#### Turning Movement Counts - Field Sheet (All Vehicles except Box Trucks and Tractor Trailors)

PM PERIOD 12:00PM-12:00AM

PEAK HOURS

Interval (dd): (In Minutes) Plank Rd at Monacan Trail Rd (Rte 29)
3/14/2018 & 3/15/2018
AMT

AM PERIOD 12:00AM-12:00PM 
 State:
 Virginia

 Town:
 North Garden

 Weather:
 Post Garden

Volume 1428

 PEAK HOURS
 AM PERIOD 12:00AM-12:00PM
 Start 5 08:15
 End Volume 17:3
 PM PERIOD 12:00AM 16:15
 Start 1:15
 End Volume 17:15
 Volume 17:15
 1322

GRAND TOTAL From South
Through Right Total From North
Left Through Right Total U turn Left U turn Right Total 177
333
41
644
688
1166
150
197
176
214
270
243
302
243
270
228
238
221
227
188
193
194
199 165 167 158 119 126 127 116 118

# A. Morton Thomas & Associates, Inc. Turning Movement Counts - Field Sheet (Box Trucks)

		PEAK HOURS		PERIOD N-12:00PM	Start 08:15	End 09:15	Volume 50				ERIOD -12:00AM	Start 13:00	End 14:00	Volume 34							
Street Name>	Monacan 1	Trail Rd (Rte 29)				Moncan Trail F	Rd (Rte 29)				Plank Rd					Plank Rd					
HOUR			From Nort	th				From South					From East					From West			GRAND
ENDING	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	TOTAL
DAY 1: 3/14/18																					
00:15		0 0	0	) (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	(				0	0	0	1	0		0	0	0	0	0	0	0	0	0	0	1
00:45 01:00	(	0 0				0	0				0		0						0	0	4
01:00		0 0	0			0	0	4	0		0	0	0	0	0	0		0	0	0	4
01:30		0 0	0	) (		0	0	7			0	0	0	0	0	0	0	0	0	0	7
01:45	(					0					0		0		0	0		0	0	0	3
02:00 02:15	(	0 0				0					0		0								2
02:30			0	) (		0	0	4	0	4	0	0	0	0	0	0		0	0	0	4
02:45		0	2		2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
03:00	(				1	0	0	3	0		0	0	0	0	0	0	0	0	0	0	4
03:15		0 0				0					0		0							0	- 4
03:45		0 0				0			0		0		0	0			0				6 4 6 5
04:00 04:15		0 0	2		2	0	0	4 3	0	4	0	0	0	0	0	0	0	0	0	0	6
04:30	- 6	0	2		2	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	
04:45		0 0	4			0	0	6	0	6	0		0		0	0	0			0	10 7
05:00 05:15 05:30	(	0	5	0	0 0	0	0	4	0	4	0	0	0	0	0	0	0	0		0	4
05:30 05:45		0 0	3	: 0	2	0	0	4 6	0	4	0	0	0	0	0	0	0	0	0	0	6
06:00		0	2		2	0			0	6	0	0	0			0				0	10
06:15 06:30		0 0	4		4	0	0	6	0	6	0	0	0	0			0	0	0	0	10
06:45		0 0				0		7	0	7	0		0			0				0	10 14 9 7
07:00		0 0	3 6	3 (	3	0	0	4			0		0			0	0	0	0	0	7
07:15 07:30		0 0	0		0	0	0	5 3	0	3	0	0	0	1	1	0	0	0	0	0	12 4 11
07:45 08:00		0 0	4		3 4	0		7	0		Ö	0	0	0	0	0	0	0	Ö O	0	11 a
08:15	1	0 2	3		2 5	. 0	0	2	0	2	0	0	0	0 1	2	0	0	0	0	1	9 8 13 18 7
08:30 08:45		0 0	1 4	3		0		7			0	0	0	1 2		0	0	0	1	1 2	13
09:00		0 0	1		1 2	0	1	4	Ó	5	0	0	0	0	0				ò	0	7
09:15 09:30		0 1	1			0	0	6		6	0	0	0	0	0	0	2	1 0	0	3	12 11 9 8 10 9 8 6 6
09:45	Č	0 0			) 4	Ó	0	4	ŏ	4	Ö	0	0	0	Ô	Ö	1	0	0	î	9
10:00 10:15		0 0	2			0	0	4		4	0	0	1 0	0	1	0	0	0		1	10
10:30		0 1	1	(	2	0	1	5	0	6	0	- 1	0	0	1	0	0	0	0	0	9
10:45 11:00		0 0	2	2 (	1 3	0	1 0		0	4 2	0		0			0	1		1 0	1	6
11:15		0 0	2		2	Ö	0	2	Ö	2	0	0	0	0	0	0	0	0	2	2	6
11:30 11:45	-	0 0	0		2 3	0	0		0		0		0		1 0	0	1 0		0	1	7
12:00 12:15 12:30		0 1	3	3 (	4	0	0	6	0	6	0	0	0	0	0		0	0	0	0	10 7 10 11 6 17 9 11 11 6 10 15
12:15		0 3	1	3 0	1 6	0	0	0 2	0	2	0	0	0	0	0	0	1 0	0 2	0	1 2	10
12:45 13:00		0 1	5	,	1 7	0	0		1	3	0		1 0	0		0	0			0	11
13:15		0 0	4	1	3 7	0	0	3	0	3	0	0	1	3	4	0	2	- 1	0	3	17
13:30 13:45	(	0 2	1		1 4	0	0	3	0	3	0		1	0	1	0	1	0	0	1	9
14:00		0 0	4	1 1	2 6	0	0	Ö	0	0	0	0	0	0	0	0	5	0	0	5	11
14:15 14:30		0 0	2	2	2 4	0	0	2	0		0	0	0	0	0	0	0	0	0	0	6
14:45	ď	ō ō	4	2	9 6	Ö	0	3	Ö	3	0	0	1	1	2	0	4	Ö	Ô	4	15
15:00 15:15		0 0	5	1	6	0		1	1 0	2	0	0	0	0	0			0	0 2	1 3	9
15:30	- (	0 1	4			0	0	2	0	2	0	0	0	3	3	0	2	0	0	2	11 12 5 6 9 4 4 2
15:45 16:00		0 0	2		2	0	0	- 1	0		0		0					0	0	0	5
16:00 16:15		0 0	4		1 5	. 0	0	3	0	3	0	0	0	0	0	0	0			1	9
16:30 16:45 17:00	1 8	0 0	1 3	-	1 3	0	0	1 0	0	1	0	0	0	0	0	0	1 0	0	1 0	0	4
17:00		0 0	2		2	0			0	0	0		0	0	0	0	0	0		0	2
17:15 17:30	1 8	0 0	3		0 0	0	1 0	0	0		0		0			0	0	1 0	0	1	6
17:30 17:45		0 0	1	(	1	Ö	0		1	5	0	0	0	1	1	0	1	0		1	1 8 3 4 3 6
18:00 18:15	1 6	0 0	0	2 (	0 2	0	0	1	0	2	0	0	0	0		0	1 0	0	0	1 0	3
18:30 18:45		0 0	1		1	0	0		0	2	0	0	0	0		0	0	0		0	3
19:00	1 8	0 1	3 2	2 (	2	0	0	2	0	0	0		0	0	0	0	0	0	0	0	6
19:15		0 0	1 0		1	0	0	1 0			Ö	0	0	0	0	0	Ö	0	0	0	2 2 0 0
19:30 19:45		0 0		) (	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
20:00	,	0	1		1	0	0	0	0		0	0	0	0	Ö	0	0	0	0	0	1
20:15 20:30	1	0 0	0	) (	0	0	0	- 1	Λ	1	0	0	0	0	0	0	0	0	Λ.	0	2 1 1
20:45 21:00	Ş	0 0	1 0		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21:15		0 0	ŏ		o o	Ö	0	0	ŏ	0	Ö	Ö	0	0	0	0	Ö	0	0	0	0
21:30 21:45		0 0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00		0 0	0	) (	0	0	0	0	ŏ	0	0	0	0	0	0	0	0	0	0	0	0 0 1 0 0 0
22:15 22:30	(	0 0	0	) (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	i	0	0		) 0	Ô	0	0	0	0	٥	0	0	0	0	0	0	n	0	0	0
22:45 23:00 23:15	,	0 0	0		0	0	Ö O	ő O	0	0	0	0	Ŏ O	0	Ö	0	0	Ö	Ö	0	0
23:30	- (	0	0	) (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45 00:00	,	0 0	1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 0
	<u> </u>	•				†		•		•	т °				•	t "	•		•		
TOTAL	0	20	168	38	226	0	7	235	5	247	0	8	7	16	31	0	29	7	14	50	554
AM Peak Vol PM Peak Vol	0	4	7 16	5	16 19	0	1 0	22	1	24	0	0	0	3	4	0	2	2	2	6 5	50 34

#### Turning Movement Counts - Field Sheet (Box Trucks)

Job No.: 17-0013.003

Location: Date: Recorder: Interval (dd): 
 Rd at Monacan Trail Rd (Rte 29)
 State:
 Virginia

 2018 & 3/51/2018
 Town:
 North Garden

 MT
 Weather:

 PEAK HOURS
 AM PERIOD 12:00AM-12:00PM
 Start 09:15
 End Volume
 PM PERIOD 12:00AM-12:00PM
 Start 1:00 09:15
 End Volume 12:00AM-12:00AM 13:00
 14:00
 34

PEAK HOURS	AM PERIOD	Start	End	Volume		PM PERIOD	Start	End	Volume	
PEAK HOURS	12:00AM 12:00BM	11:15	12:15	39		12:00DM 12:00AM	15:00	16:00	49	

Street Name>	Monacan Tr	rail Rd (Rte 29)			IMc	loncan Trail Ro	1 (Rte 29)				Plank Rd					Plank Rd				_	
HOUR			From North				Froi	m South					From East					From West			GRAND
ENDING	U turn	Left	Through	Right T	otal	U turn	Left Th	rough	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right To	otal	TOTAL
DAY 2: 3/15/18			_1					_ 1								_					
00:15 00:30	0		0	0	0	0	0	0	0	0	0	0		0	0	0		0	0	0	0
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
01:00 01:15	0	0	0	0	0	0	0	1	0	0	0	0		0	0	0	0	0	0	0	0 1
01:30	0		0	0	0	0	0	0	0		0		0	0	0	0			0	0	0
01:45 02:00	0	0	0	0	0	0	0	0	0	1 0	0	0	0	0	0	0	0	0	0	0	0
02:15	0	0	1	0	1	0	0	0	0		0	0	0	0		0	0	0	0	0	1
02:30 02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15 03:30	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
04:00 04:15	0		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:45 05:00	0		2	0	0	0	0	2	0	1 2	0	0		0	0	0	0	0	0	0	1
05:15	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:30 05:45	0		1	0	1	0	0	0	0		0	0		0	0	0	0	0	0	0	3
06:00	0	0	2	0	2	0	0	0	0	0	0	0		0	0	0	0	0	0	0	2
06:15 06:30	0	0	1 2	0	1	0	0	0 2	0	0	0		0	0	0	0	0		0	0	1
06:45	0	0	2	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	3
07:00	0		1	0	1	0	0	1	0	1	0		0	0	0	0	0		0	0	2
07:15 07:30	0		6	0	6 1	0	0	10	0	10	0	0		1 0	0	0	0	0	0	0	9 11
07:45	0	0	1	0	1	0	0	6	0	6	0	0	0	2	2	0	0	0	0	0	9
08:00 08:15	0		3	0	5	0	0	6	0	4	0	0		0	0	0	0	0	0	0	9 8
08:30	0	0	2	0	2	0	0	2	0		0	1	1	0		0	2	0	0	2	8
08:45 09:00	0	2	2	0	4	0	0	3	0	3	0	0		0	0	0	0	0	0	1	8
09:15	0	0	1	1	2	0	0	1	0	1	0	0	0	1	1	0	0	1	0	1	5
09:30 09:45	0		3	0	2	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	4
10:00	0		3	0	3	0	0	2	0		0	0		0		0	3	0	0	3	8
10:15	0		4	0	4	0	0	2	0	2	0	0		0	0	0	2	0	0	2	8
10:30 10:45	0		2	0	2	0	0	2	0	5	0	1	0	0	1	0	0	0	0	0	8
11:00	1		4	0	6	0	1	5	0	6	0	0		0	0	0	1	0	0	1	13
11:15 11:30	0	0	1 2	0	3	0	0	2	0	4	0	0	0	0	0	0	1	0 2	0	3	6 10
11:45	0		4	1	5	0	0	2	0	2	0	0	0	3	3	0	0	0	0	0	10 10
12:00 12:15	0	1	2	1	5	0	0	2	0	1 4	0	0	1 3	0	1 3	0	0	0	0	5	7 16
12:30	0		2	0	2	0	0	4	0		0	0	0	1	1	0	0	0	0	0	7
12:45 13:00	0		2	0	5	0	0	3	0	0	0	1 0		0	1 2	0	1 0	0	0	1	7
13:15	0	0	3	0	3	0	0	2	0		0	1	0	0		0	0	0	0	0	11 6
13:30 13:45	0		3	0	0	0	0	3 2	0	3	0	0		0	0	0	0 2	0	0	0	3 8
14:00	0	0	3	1	4	0	0	3	0	3	0	1	0	0		0	0	0	0	0	8
14:15 14:30	0	0	4	0	4	0	0	0 2	0	0	0	0	0	0	0	0	1 0	0	1 0	1	6
14:45	0	0	1	0	1	0	1	2	1	4	0	0	1	0	1	0	0	0	0	0	6
15:00 15:15	0		4 6	0 2	4 8	0	0	3	1	2	0	0	0	0	0	0	1 0	0	0	0	7 16
15:30	0		10	0	11	0	0	3	1	4	0	0		0		0	1	0	0	1	16
15:45	0		4	0	4	0	1	4	1	6	0	0		0	0	0	0	0	0	0	10 7
16:00 16:15	0		0 4	0	4	0	0	3 6	0	6	0	1 0		0	0	0	0	0	0	0	10
16:30	0		3	0	3	0	1	3	0	4	0	1		0	1	0	2	1	1	4	12
16:45 17:00	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
17:15	0	0	3	1	4	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	6
17:30 17:45	0	0	5 4	0	4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	- 7 - 6
18:00	0		1	0	1	0	0	7	0		0	0	0	1		0	0	1	0	1	10
18:15 18:30	0	1 0	1 2	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
18:45	0		1	0	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	4
19:00 19:15	0		0	0	2	0	0	0	0	1	0	0		0	0	0	0	0	0	0	3 n
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:45	0	0	0	0	0	0	0	3	0	3	0	0		0	0	0	0	0	0	0	3
20:00 20:15	0		1	0	1	0	0	1	0		0	0	0	0	0	0		0	0	0	2
20:30	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	2
20:45 21:00	0		0	0	0	0	0	1 0	0	2	0	0		0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30 21:45	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0
22:30 22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0
23:15 23:30	0	1 0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	4
23:45	0	0	0	0	0	0	0	0	0		0	0	0	0		0	0	0	0	0	0
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	15	143		77	0			15	167	0	11	9	15	35	0	24	8	9 4		420
AM Peak Vol PM Peak Vol	0	2	11 24	2	15 27	0			4	15 16	0	0	0	3	4	0	3	0	0 !	5	39 49
1 Gun 701		-	4-7		1	v			7	10	v		-		-	v				- 1	2

# A. Morton Thomas & Associates, Inc. Turning Movement Counts - Field Sheet (Tractor Trailors)

		PEAK HOURS		PERIOD N-12:00PM	Start 10:45	End 11:45	Volume 101				ERIOD -12:00AM	Start 14:00	End 15:00	Volume 85							
Street Name>	Monacan 1	Trail Rd (Rte 29)				Moncan Trail I	Rd (Rte 29)				Plank Rd					Plank Rd					
HOUR			From Nort	th				From South					From East					From West			GRAND
ENDING	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	TOTAL
DAY 1: 3/14/18																					
00:15	(					0			0		0		0		0		0	0		0	2
00:30						0	0	0			0	0	0	0	0	0	0	0	0	0	2
00:45 01:00		0 0				0	0				0		0						0	0	4
01:15	(	0	4	. 0	) 4	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	5
01:30		0				0					0		0								1
01:45						0		0			0		0			0			0	0	2
02:15		0	1		) 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
02:30			3		) 3	0	0	0	0	0	0	0	0	0	0		0	0	0	0	3
02:45 03:00		0 0		0	) 2	0	0	1 0	0		0	0	0	0	0	0	0	0	0	0	3
03:15					3	0	0	0	0		0	0	0	0	0	0		0	0		0 3 3 4 1
03:30		0				0					0		0	0						0	3
03:45 04:00	- 6	0 0	4		1	0		0	ŏ	0	0	0	0	. 0	0	0	0	0	0	0	1
04:15		0 0	2	0	2	0	0	0		0	0	0	0	- 0	- 0	0	0	0	0	0	2
04:30 04:45		0	5		) 5	0		0	ő	0	0	Ö	0	. 0	0	0	0	0	0	0	5
05:00		0	5	0	5	0	0	1		1	0	0	0	0	0	0	0	0	0	0	5 6 2 6
05:15 05:30	1	ŏ	6	ŏ	6	Ö	Ö	Ö	ŏ	ō	Ö	Ö	Ö	Ö	- 0	0	Ö	0	0	Ö	6
05:45 06:00	1 - 8	0 0	5	0	5	0	0	0	0	1	0	0	0	0	0	0	0	1 0	0	0	6 6 6
06:15		0 0	2		2	0	0	2	0	2	0	1	0	0	1	0	0	0	1	1	6
06:30 06:45		0 0	6			0	0	3		4	0	0	0	0		0			0	0	7 10 14 14 10 11
07:00		0 0	8		8	0	0	6	0		0		0	0		0	0	0	0	0	14
07:15 07:30	l d	1	2		3	0	0	7		7	0	0	0		0	0	0	0	0	0	10
07:45 08:00	(	0 0	3		3 3	0		7	0		0	0	0	0	0	0	0	0	Ö	0	7
08:15 08:30		0	6	C	6	0	0	4 3	0	3	0	2	0	0	2	0	0	0	0	0	11
08:45		0 0	10			0		7	1	8	0	0	0	0	0	0	0	0	0	0	18
09:00 09:15		0 1	9 10	0	10	0	0	6	0	6	0	1 0	0		1 0	0	0	0	0	0	17
09:30		0	6	0	) 6	0	0	12	1	13	0	0	0	1	1 1	0	0	0	0	0	20
09:45 10:00	- 8	0 0	9		9	Ŏ O	0	5	0	5	0	0	0	0	0	Ö	0	0	0	0	14
10:15 10:30		0	9		9	0	0	8	0	8	0	0	0	0	0		0	0	- 1	1	18
10:45		0 0	10 11			0	0	4		5	0	0	0	0			0	0	0	0	16
11:00 11:15		0 1	13 21		14	0	0		0		0		0		1	0	0	0	0	0	28
11:30		0	16			0	0	7	0	7	0	0	0	0		0	0	0	0	0	23
11:45 12:00		0 0	15 9		15	0	0	5 9	0	10	0		0		0	0	0	0		0	19
12:00 12:15 12:30		0 0	12		12	0	0	9	1 0	10	0	0	0	0	0	0	0	0	0	0	22
12:45		o o	10		10	0	0	9	0	9	0		0			0	0	0	0	0	20
13:00 13:15		0 0	11 13	0	11	0	0	11	0	11	0	1 0	0	0	1	0	0		0	0	23
13:30		0 0	9		9	Ö	0	4	0	4	0		0	1		0	2	0	0	2	16
13:45 14:00	- 6	0 0	17		17	0	1 0	7	0	15 7	0	0	0	0	0	0	0	0	0	0	19
14:15 14:30		0	10 6		10	0	0	18 14	0	18 15	0	0	0	0	0	0	0	0	0	0	28
14:45	ď	ŏ	10	0	10	0	0	17	1	18	0	0	0	0	Ö	Ö	0	0	Ö	0	28
15:00 15:15		0 1	12 5	0	12	0		12	0	12	0	0	0	0	0	0	0	0	0	0	18
15:30 15:45		0	9	C		0	0	12	0	12	0	0	0	1	1	0	0	0	0	0	22
16:00 16:15		0 0	12 9 13		9	0	0	7 12 7	0	12	0	0	0	0	0	0			0	1	22
16:15		0 0	13		13	0	0	3	0	7	0	0	0	0		0	0	0	0	0	20
16:30 16:45 17:00		1	5		6	0	0	10 10	ń	10	0	0	0	. 0	0	0		0	0	0	71 10 10 10 10 10 10 10 10 10 10 10 10 10
17:15	1	0 0	8	C	13	0	0	12	0	12	0	0	0	0		0	0	0	0	0	23
17:30 17:45		0 0	9		9	0	0	10	0	10	0	0	0	1	1	0	0	0	0	0	20
18:00	-	0	7		7	0	0	8	0	8	0	0	0	0	0	0	0	0	0	0	15
18:15		0 0	3 8		3	0	0	9	0	9	0		0	0			0	0		0	12
18:30 18:45	(	0	5		5	0	1	9	0	10	0	0	0	0		0		1		1	16
19:00 19:15		0 0	4 8	0	8	0	0	5	ō	5	0		0	0	i	Ö	0	Ö	Ö	0	16 14
19:30 19:45		0 0	5	0	5	Ö	0	8	0	8	0	0	0	0	0	0	0	0	0	Ó	13
20:00		0		- c	ō	Ö	0	5	0	5	0		0	0	0	0	0	0	0	0	16
20:15 20:30		0	2	0	) 2	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	8
20:45		0		0	) 10	Ö	0	4	0	4	Ö	0	0	0	0	0	Ö	Ö	0	0	14
21:00 21:15		0 0	4	i	) 4	0	0	2 4	Ö	4	0	Ö	0	0	0	Ó	0	0	0	0	6 8
21:30		0	4		) 4	Ö	0	2	0	2	0	0	0	0	0	0	0	0	ŏ	ő	6
21:45 22:00		0 0	3		3	0	0	8	Õ	3	0	0	0	- 0	0	0	0	0	0	0	11
22:15 22:30		0 0	2		) 2	0	0	2	0	2	0	0	0	0	0	0	0	0	0	o o	4
22:30 22:45 23:00		0	4		) 4	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	
23:00 23:15	1 5	0 0	0	0	0	Ö	Ö O	6 7	Ö	6	0	0	Ŏ O	0	0	Ö O	0	0	0	0	10
23:30	(	) 0	4		) 4	0	0	5	0	5	0	0	0	- 0	- 0	0	0	0	0	0	9
23:45 00:00	1 - 2	0 0	4		3	0	0	4	0	3	0	0	0	0	0	0	0	0	0	0	6 10 9 8 6
										•				•	•						
TOTAL AM Peak Vol	0	7	601	0	608	0	5	<b>531</b> 32	11 0	<b>547</b> 33	0	7	3	8	18	0	0	0	0	7	1180
PM Peak Vol	0	0	65 43	0	66 43	0	0	38	1	39	0	0	0	2	2	0	0	0	1	1	101 85

#### Turning Movement Counts - Field Sheet (Tractor Trailors)

Job No.: 17-0013.003

Location: Date: Recorder: Interval (dd): Rd at Monacan Trail Rd (Rte 29)

| State: Virginia | Vi

 PEAK HOURS
 AM PERIOD
 Start
 End
 Volume
 PM PERIOD
 Start
 End
 Volume

 12:00AM-12:00PM
 10:45
 11:45
 101
 12:00PM-12:00AM
 14:00
 15:00
 85

PEAK HOURS	AM PERIOD	Start	End	Volume		PM PERIOD	Start	End	Volume	
PEAK HOURS	12:00AM-12:00PM	10:45	11:45	112		12:00PM-12:00AM	15:15	16:15	109	

Street																				
Name> HOUR	Monacan T	rail Rd (Rte 29	From Nort			Moncan Trail R	d (Rte 29)	From South			Plank Rd		From East			Plank Rd		From West		GRAN
ENDING	U turn	Left	Through		Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right	Total	U turn	Left	Through	Right Total	I TOTA
DAY 2: 3/15/18																				
00:15	0					0			0		0			0	0	0			0	0
00:30	0			0	3	0	0	1		1	0		0	0	0	0	0	0		0
00:45	0		1 2		2	0	0		0		0			0	0	0				0
01:15	0					0			0		0			0	0	0				0
01:30	0			0		0	0				0			0	0					0
01:45	0		1			0	0	4	0		0		0	0	0				0	0
02:00	0					0	0		0		0			0	0	0				0
02:15	0						0		0		0			0	0	0				0
02:30	0					0	0				0			0	0	0				0 1
02:45	0					0			0		0			0	0	0				0 1
03:00 03:15	0					0					0			0	0	0				0
03:30	0					0	0	7	0	7	0		0	0	0	0	0			0 1
03:45	0		5			0	0	1	0	1				0	0	0	0			0 1
04:00	0					0					0			0	0	0				0
04:15	0	_	2			0	0	2	0	2	0	0	0	0	0	0		0	0	0
04:30	0					0	0				0			0	0					0 1
04:45	0					0			0		0			0	0	0				0
05:00	0					0	0	6	0		0		0	0	0		0		0	0 1
05:15	0					0		3 2	0		0			0	1	0				0
05:30 05:45	0					0	0				0			0	0	0				0 1
06:00	0					0	0				0			0	0				1	1 1
06:15	0					0	0	7	0		0	0		0	0	0				0 1
06:30	0					0	0	10			0			0	0	0				0 1
06:45	0				8	0	0	2	0		0			0	0	0	0		0	0 1
07:00	0			0	3	0	0	6	0		0		0	1	1	0	0		0	0 1
07:15	0					0					0			0	0	0			0	0 1
07:30	0					0	0	7	0		0			0	0	0				0 1
07:45	0		1 6			0	0		1		0			0	0	0			0	0 1
08:00 08:15	0					0			0		0			0	- 0	0			0	0 2
08:30	0					0			0		0			0	1	0			0	0 2
08:45	0				7	0	0	19	0					0	0	0			0	0 2
09:00	0	)	8 0	0	8	0	0	14	1	15	0	0	0	0	0	0	0		0	0 2
09:15	0								1		0			0	0	0			0	1 2
09:30	0			0	8	0	0	6			0		1	2	3	0	0		0	0 1
09:45	0		15	3		0	0	7	0	7	0	2	0	0	2	0				0 2
10:00	0													0	0	0				0 2
10:15	0		1 16	0	17	0	1 0	6 8	0	7	0	0		0	0	0			0	0 2
10:30 10:45	0		0 12	0	12				0	13				1	1	0			0	0 1
11:00	0								0		0			0	1	0			0	0 2
11:15	0		0 13						0		0			2	3	0			0	0 2
11:30	0		1 19	0	20			11	0		0			0	0	0			0	0 3
11:45	0	)	1 16			0	0	12	0		0		0	0	0	0		0	0	0 3
12:00	0					0	0		0		0			0	1	0			0	0 1
12:15	0								0		0			0	0	0			0	0 1
12:30	0		1 10			0	0	21	1		0			0	1	0			0	0 3
12:45 13:00	0					0			0		0			0	0	0			0	1 1
13:15	0		1 12			0	0	5	0		0	0		0 2	1 2	0			0	1 2 0 2
13:30	0		0 6			0	0				0			0	1	0			0	0 1
13:45	0								0		0			0	1	0			0	0 2
14:00	0	)	0 14		15	0	0	10	0		0	0	0	0	0	0	0		1	1 2
14:15	0	1				0	0		0		0			0	1	0	0		0	0 2
14:30	0								1		0			1	1	0				0 2
14:45	0					0	0	11	0		0			1	1	0				0 2
15:00	0								1					1	1	0			0	0 2
15:15 15:30	0						0	10	0		0			0	0	0			0	1 3 0 2
15:30	0								1		0			0	- 0	0			0	0 1
16:00	0		1 14			0	0	10	1	11	0			0	0	0			1	1 2
16:15	0			0		0	1	16	0	17	0			2	2	0	0		0	0 3
16:30	0	)	9	0	9	0	0		0	7	0			0	0	0		0	0	0 1
16:45	0					0	0	7	0		0			0	0	0			0	0 1
17:00	0					0								0	0	0			0	0 1
17:15	0					0			0		0			0	0	0			0	0 1
17:30 17:45	0		0 7			0	0	6	0		0			0	0	0			0	0 1
17:45	0					0			0		0			0	0	0			0	0 1
18:15	0					0			0		0			0	0	0			1	0 1
18:30	0	)	0 13	0	13	0	0	10	0	10	0	0	0	0	0	0	0	0	0	0 2
18:45	0	)	0 11	0	11	0	0	11	0	11	0	0	0	0	0	0	0	0	0	0 2
19:00	0					0			0		0			0	0	0				0 1
19:15	0					0	0		0		0			0	0	0				0 1
19:30 19:45	0					0	0		0		0			0	0	0				0 1
	0										0			0	0	0				0 1
20:00 20:15	0					0	0		0		0			0	0	0				0 1
20:30	0					0	0		0	0	0			0	0	0				0
20:45	0					0	0	5	0		0			0	0	0				0 1
21:00	0		3	0	3	0	0	2			0	0	0	0	0	0	0	0	0	0
21:15	0	1	4	0	4	0	0	3	0		0	0	0	1	1	0		0	0	0
21:30	0					0	0	5	0		0	0		0	0	0			0	0
21:45	0					0					0			0	0	0				0
22:00	0					0	0				0			0	0	0				0
22:15	0		5	0		0	0	5	0		0	0	0	0	0	0				0 :
22:30	0		5											0	0	0				0
22:45 23:00	0				4	0	0	3	0		0			0	0	0			0	0
23:15	0					0	0		0		0			0	0	0				0
23:30	0					0			0		0			0	0	0				0
23:45	0					0					0			0	0					0
00:00	0			0		0					0			0	0	0			0	0
TOTAL	0	10	687	15	712	0	3	662	11	676	0	9	5	15	29	0	0	4	5 9	1420
AM Peak Vol	0	2	61	1	64	0	0	44	0	44	0	1	1	2	4	0	0	0	0 0	112
PM Peak Vol	0	0	58	2	60	0	0	43	2	45	0	0	0	3	3	0	0	1	0 1	109

# **Crash Rate Calculations**

# Crash Rate Calculations

The crash rate for roadway departure crashes on a roadway is calculated as:

Formula: R equals C x 100,000,000 divided by V x 365 x N x L

The variables in this equation are:

R = Roadway Departure crash rate for the road segment expressed as crashes per 100 million vehicle-miles of travel

C = Total number of roadway departure crashes in the study period

V = Traffic volumes using Average Annual Daily Traffic (AADT) volumes

N = Number of years of data

L = Length of the roadway segment in miles

North of Dick Woods Road

$$R = \frac{100,000,000*21}{365*5*2330*3} = \frac{2100000000}{12756750} = 164.619$$
 per 100 million vehicle miles

South of Dick Woods Road

$$R = \frac{100,000,000*(34-21)}{365*5*1099*2} = \frac{1300000000}{4011350} = 324.08 \text{ per 100 million }$$

Culpeper District Average (2-Lane Rural): 147.08 per 100 million vehicle miles

# Travel Time/Average Truck Speed Calculations

# Total Travel Time and Average Truck Speed Calculations

		/Travel Time Naps - Cars	Avg Speed/Travel Time Adjusted - Trucks				
Current Route (11.3 Miles)	60 min 1 hour	11.3 miles 17 min 39.9 mph 17.0 min	11.3 miles 34.2 mph	60 min 1 hour 34.2 mph 19.8 min			
Alt. Route (19.5 Miles)	60 min 1 hour	19.5 miles 18 min 65.0 mph 18.0 min	19.5 miles 60.2 mph	60 min = 1 hour 60.2 mph 19.4 min -Δ 0.4 min			

	Average Speed - Google Maps:	Avg Car Speed: 37.5 mph	Avg Car Speed: 48.0 mph	Avg Car Speed: 36.0 mph	Avg Car Speed: 57.0 mph	Avg Car Speed: 30.0 mph	Avg Car Speed: 65.3 mph	Avg Car Speed: 64.8 mph		
Ī	Speed Reduction for Trucks	85% speed of Car	85% speed of Car	85% speed of Car	90% speed of Car	90% speed of Car	90% speed of Car	95% speed of Car		
I		Miller School Road	Plank Road East of Miller School Rd	Plank Road West of Miller School Rd	US 250 South of I-64	US 250 North of I-64	US 29	I-64		
		Posted 25-45 mph	Posted 25-45 mph	Posted 25-45 mph	Posted 55 mph	Posted 45 mph	Posted 60 mph	Posted 70 mph		
L		Avg Truck Speed: 32 mph	Avg Truck Speed: 41 mph	Avg Truck Speed: 31 mph	Avg Truck Speed: 51 mph	Avg Truck Speed: 27 mph	Avg Truck Speed: 59 mph	Avg Truck Speed: 62 mph		
L	Δ Car vs. Truck	Δ 5.6 mph	Δ 7.2 mph	Δ 5.4 mph	Δ 5.7 mph	Δ 3.0 mph	Δ 6.5 mph	Δ 3.2 mph	Totals	Average Speed
L	VDOT Classification	Major Collector	Major Collector	Major Collector	Minor Arterial	Minor Arterial	Principal Arterial	Interstate		
Route	Miles per Roadway	5.0 miles	4.8 miles	0.0 miles	0.0 miles	1.5 miles	0.0 miles	0.0 miles	11.3 miles	
	Travel Time: Cars (Google)	8 min	6 min	0 min	0 min	3 min	0 min	0 min	17.0 min	Car: 39.9 mph
	Travel Time: Trucks	9 min	7 min	0 min	0 min	3 min	0 min	0 min	19.8 min	Truck: 34.2 mph
L										
L	Miles per Roadway	0.0 miles	4.8 miles	4.9 miles	4.0 miles	0.0 miles	0.0 miles	0.0 miles	13.7 miles	
¥	Travel Time: Cars (Google)	0 min	6 min	8 min	4 min	0 min	0 min	0 min	18.4 min	Car: 44.7 mph
#	Travel Time: Trucks	0 min	7 min	10 min	5 min	0 min	0 min	0 min	21.3 min	Truck: 38.5 mph
ŀ	Miles per Roadway	0.0 miles	0.0 miles	0.0 miles	0.0 miles	0.0 miles	8.8 miles	10.7 miles	19.5 miles	
#5	Travel Time: Cars (Google)	0 min	0 min	0 min	0 min	0 min	8 min	10 min	18.0 min	Car: 65.0 mph
	Travel Time: Trucks	0 min	0 min	0 min	0 min	0 min	9 min	10 min	19.4 min	Truck: 60.2 mph
L										