

DRAFT



Prince William County Old Bridge Road Study Existing Conditions/Issues Memorandum *January 22, 2018*



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- Attachment 1: LOS Result Tables
- Attachment 2: Queue Length Analysis Table
- Attachment 3: Crash Data Maps and Info

Introduction

This memorandum describes analysis of traffic flow, safety, and general geometric conditions in support of the Prince William County Old Bridge Road Study. Old Bridge Road (VA Route 641) is a critical transportation corridor serving residential, institutional (three County public schools), and businesses within the corridor and providing connections between major roadways such as the Prince William Parkway (VA 294), Minnieville Road (VA 640), and Gordon Boulevard (VA 123). This study extends from Prince William Parkway to Gordon Boulevard, a distance of approximately 5.2 miles). Old Bridge Road carries traffic volumes of between 38,000 and 59,000 vehicles on an average weekday (VDOT 2016 average annualized weekday daily traffic estimates). Traffic volumes are generally lower in the western parts of the study corridor and higher in the eastern portion, with the highest traffic volumes on Old Bridge Road just east of Minnieville Road.

The goal of this project is to develop safety and mobility improvement recommendations for the project corridor based on analyses of traffic operations and/or roadway geometrics as well as public input. This memorandum focuses on existing conditions and the identification improvement needs relative to traffic operations, crash history, existing roadway geometrics, and input from citizen “think-tank” workshops as convened by Prince William County Supervisor Ruth Anderson.

Level of Service

Assessments of roadway operations on Old Bridge Road are based on level of service analysis calculated using VDOT-provided traffic operations analysis files Synchro format. These files represent existing conditions (year 2017) traffic data for the single analysis hour within the following eight time periods:

- Weekday AM, Mid-Day (MD), and PM peaks
- Weekday Off-Peak
- Weekend AM and PM peaks
- Saturday peak and Sunday peak

The level of service results for all of the analyzed intersections are included in the tables in Attachment 1. The discussion below summarizes the operations at intersections that experience LOS E or F during any of the analysis time periods.

Old Bridge Road and Gordon Boulevard: Two of the eight analyzed time periods experience failing level of services: the weekday AM peak and the weekday PM peak. LOS for this intersection in the AM peak is LOS F while LOS for the weekday PM peak is LOS E. In the AM peak, all movements experience LOS E or F LOS with the exception of the Gordon Boulevard southbound right turn movement onto Old Bridge Road. In the PM peak, all movements result in LOS E or F except for the Old Bridge Road eastbound right turn and the Gordon Boulevard NB through movement.

Old Bridge Road and Commuter Lot and Entrance: This intersection results in a LOS of A for every analyzed time period except the weekday AM peak; the LOS in this time period is D. For this AM peak, major delays occur for the Old Bridge Road eastbound through, the northbound left turns from the commuter lot, and for vehicles exiting the shopping center.

Old Bridge Road and Occoquan Road: The overall intersection LOS at this intersection for weekday AM and PM peaks are E and D, respectively. Delays for traffic on both Occoquan Road and Old Bridge Road contribute to this low service levels. Delays are highest for traffic turning on to and off of Old Bridge Road while the delays for traffic going through on Old Bridge Road are substantially lower.

Old Bridge Road and Minnieville Road and Lake Ridge Drive: The lowest LOS during the eight analysis time periods are the weekday AM and PM peaks where the LOS is D. For the weekday AM peak, delays are highest for the Minnieville Road northbound left and through movements, the Lake Ridge Drive approach, and the left turns from Old Bridge Road going onto either Minnieville Road or Lake Ridge Drive. Overall intersections delays are slightly lower for the weekday PM peak, with the highest individual movements delays occurring for the Minnieville Road northbound left and through movements, the Lake Ridge Drive approach, and the Old Bridge Road eastbound left and through movements.

Old Bridge Road and Lake Ridge SC and Harbor Drive: This intersection experiences LOS E for the weekday AM peak period, with all other analyzed time periods experiencing LOS B or C. For the weekday AM peak, the highest delays occur for the following movements: approaches from the Lake Ridge shopping center as well as the left turns from Harbor Drive.

Old Bridge Road EB and Colby Drive: Two of the eight analysis time periods experience overall intersection operations at LOS E or F: the weekday AM peak and the weekday PM peak. The weekday AM peak experiences LOS of E while the weekday PM peak experiences LOS D. For the weekday AM peak delay, all three approaches contribute to the high delay while for the weekday PM peak delay the largest contributor to overall delays are the Colby Drive approaches.

Old Bridge Road and Old Bridge Elementary School and Mohican Road: This intersection experiences LOS D for the weekday AM peak period, with all other time periods experiencing LOS A or B. For the weekday AM peak, the approaches with the highest delays are the northbound and southbound side streets (school entrance and Mohican Road). On Old Bridge Road, the eastbound through and westbound left movements have the longest delays.

Old Bridge Road and Hedges Run Drive: The weekday PM peak hour experiences LOS D for the overall intersection LOS of D, with other time periods experiencing overall intersection LOS of B or C. During the weekday PM peak, the highest delays occur on the Hedges Run Drive approaches as well as the Old Bridge Road eastbound left turns.

Old Bridge Road and Smoketown Road: This intersection experiences LOS of C for every analysis time period except the weekday PM peak where it experiences LOS E (the intersection experiences LOS D for the weekday off-peak and the Saturday peak). The highest movement delays during the weekday PM peak are for the Old Bridge Road westbound, Smoketown Road northbound, and Smoketown Road southbound movements.

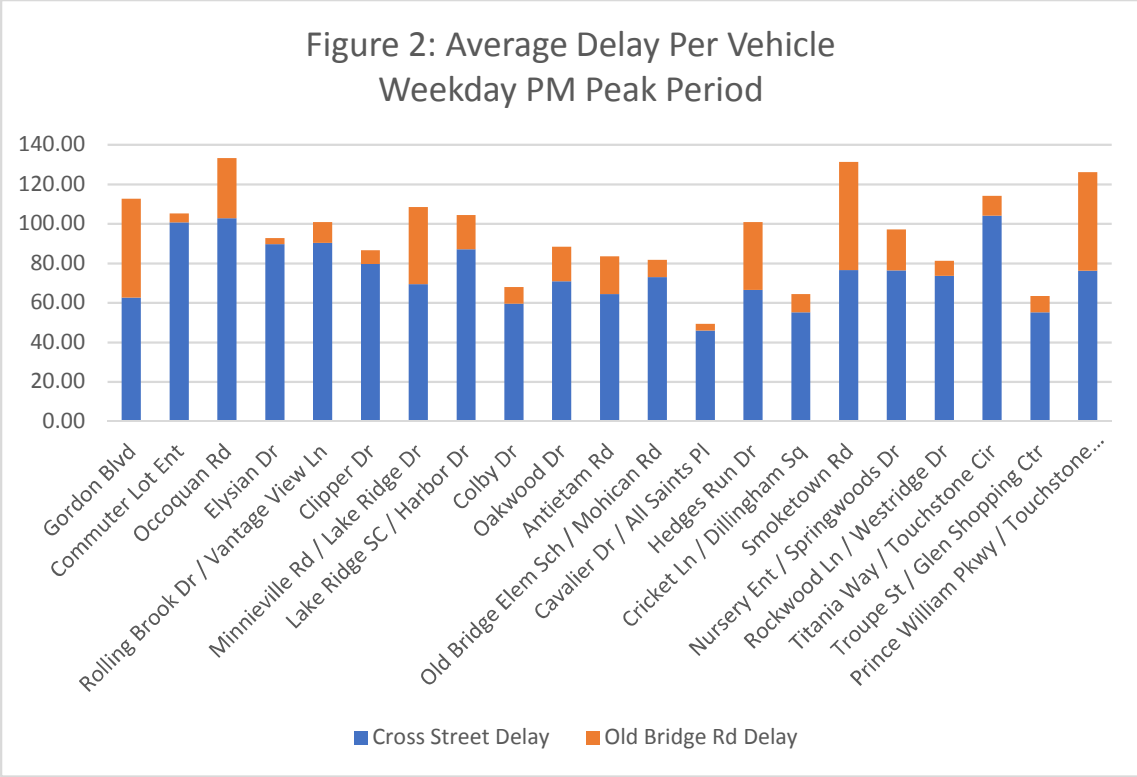
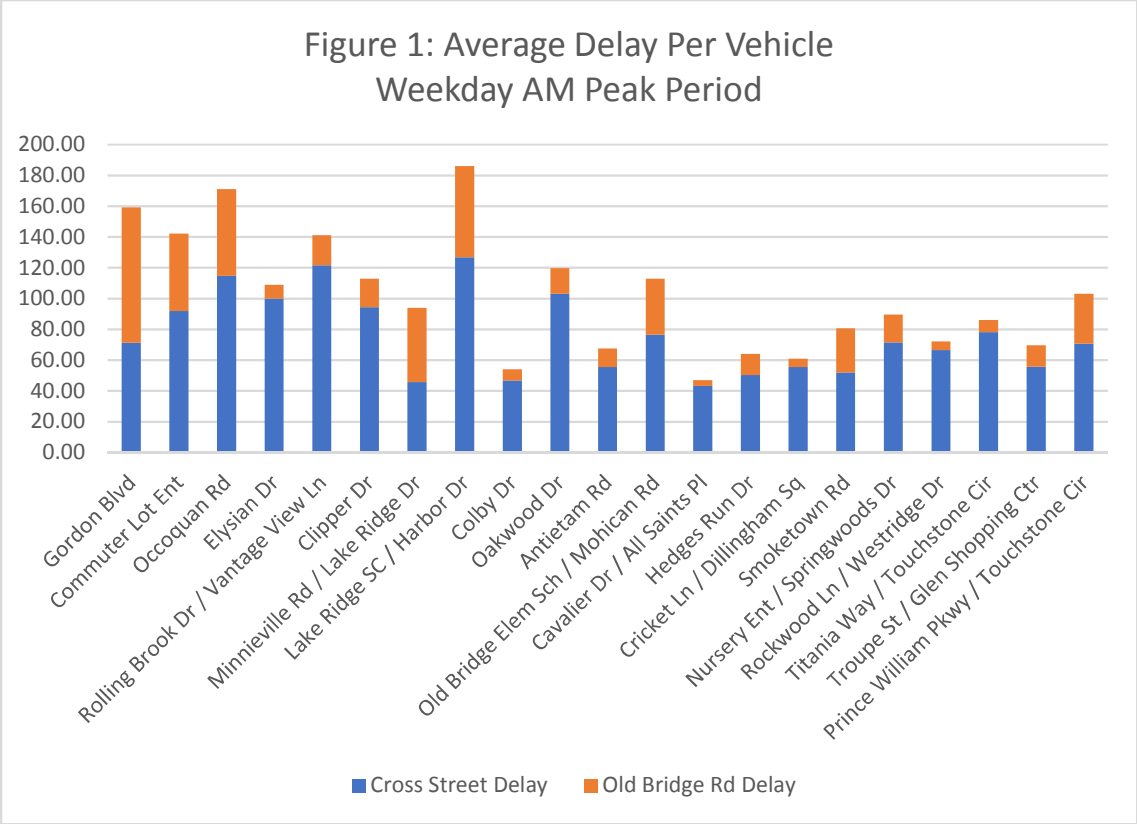
Prince William Parkway and Old Bridge Road and Touchstone Circle: For this intersection, the weekday AM peak, weekday off peak, weekend PM, and Saturday peak all experience LOS D while the weekday PM experiences LOS E. The intersection experiences LOS C for the remaining three analysis time periods. For the weekday AM, PM, and off-peak, as well as the weekend PM and Saturday peak, the delays are generally longest for the Old Bridge Road westbound movement, the Prince William Parkway

northbound movement, and the Touchstone Circle southbound movement. For Prince William Parkway eastbound, the left turns onto Touchstone Circle results in most of the delay while for Old Bridge Road westbound, the lefts onto Prince William Parkway heading southbound cause the longest delay. For Prince William Parkway northbound and Touchstone Circle southbound, the main causes of delay are the left turns and the through movements across Old Bridge Road.

Comparative Delays for Mainline vs. Side Streets

The analysis above describes intersection-specific analyses for the Old Bridge Road corridor. In general, and based on experience by the study team in the field observing operations, Old Bridge Road operates effectively in accommodating traffic demands during most of the analysis time periods. During the weekday AM and PM peak periods (and in the absence of crashes or other non-recurring incidents), the traffic signal timing, phasing, and progression provide accommodation of peak period, peak direction traffic demands at rush-hour reduced speeds. This accommodation is based largely on the traffic signal settings to best serve traffic on Old Bridge road, including maximum length signal cycles and phasing setting to move traffic on Old Bridge Road. This allows Old Bridge Road to serve the highest peak period travel demands in the corridor (the traffic on Old Bridge Road); the trade-off is that, for motorists entering, exiting, or crossing Old Bridge Road, delays are somewhat higher. Figure 1 below summarizes the average delay per vehicle at intersections in the study corridor for Old Bridge Road and the side streets as well as the totals. For the AM peak period analysis hour, approximately 25 percent of the overall delays at intersections is experienced by motorists on the mainline, while 75 percent of delays are experienced by motorists on side streets. As Figure 1 shows, this varies substantially across intersections: at intersections such as Minnieville Road, the delays per vehicle are balanced between the mainline and side street while for smaller intersections, the delays per vehicle are substantially different. For the PM peak period analysis hour, shown in Figure 2, approximately 20 percent of the overall delays at intersections is experienced by motorists on the mainline, while 80 percent of delays are experienced by motorists on side streets.

The traffic signal settings in the Old Bridge Road corridor maximize the overall efficiency of the roadway system to move traffic and minimize delays. Frustration with congestion in the corridor by local residents, however, likely reflects both delays on Old Bridge Road as well as difficulties accessing Old Bridge Road. The data shown here allows for some degree of quantification of the contribution of mainline vs. side road delays in the overall travel experience in the corridor. It should certainly also be recognized that, once a motorist enters Old Bridge Road, they no longer experience the side street delays, but rather the lower delays associated with traveling on the mainline.



Queue Lengths based on Synchro Analysis

Overall traffic operations and motorist experiences are also affected by traffic queues at intersections within the study corridor. Of particular importance when assessing the potential for relatively low-cost/high value improvements are locations where queue lengths block access to turn lanes. Motorists who see open space in a turn lane (either left or right turn lanes) but cannot get to them because the queue in front of them blocks such access experience frustration while delays (and queues) are exacerbated because the turning vehicles are taking up space in the through lanes when they could be in a turn lane. The locations described below experience (per the Synchro analysis) the potential for mainline queues to block turn lanes. It is important to note that these queue lengths are based on the Synchro analysis. Queue lengths in the field may not match those from the Synchro analysis, but the Synchro analysis highlights either existing or potential queues that should be considered in planning efforts for this corridor. For more information on the queue lengths for each approach, see Table 1 below and the full analysis table in Attachment 2.

Table 1. Queue Length Analysis

Location	Approach	Results by Individual Movement					
		Move- ment	Turn Pocket Length	WD AM		WD PM	
				Queue Length	Exceed?	Queue Length	Exceed?
Old Bridge Rd & Gordon Blvd (32)	SB Gordon Blvd	T		265		722	
		R	290	0	No	#1674	Yes, by 651 feet
Old Bridge Rd & Commuter Lot & Ent (40)	EB Old Bridge Rd	L	71	m0	Yes, by 216 feet	m2	Yes, by 58 feet
		T		m#287		129	
	WB Old Bridge Rd	L	155	106	No	m8	Yes, by
		T		54		m311	
	NB Commuter Lot	L	70	164	No	194	No
		T		60		32	
	SB Ent	T		46		22	
Old Bridge Rd & Occoquan Rd (41)	EB Old Bridge Rd	L	241	m137	Yes, by 2460 feet	176	Yes, by 294 feet
		T		#2701		535	
	WB Old Bridge Rd	L	219	63	No	#288	Yes, by 509 feet
		T		178		750	
	NB Occoquan Rd	L		213		283	
		T		m109		m112	
		R	117	219	No	71	No
	SB Occoquan Rd	T		136		165	
		R		146		#447	
Old Bridge Rd & Elysian Dr (42)	EB Old Bridge Rd	L	170	m17	Yes, by 53 feet	73	No
		T		m223		21	
	WB Old Bridge Rd	T		6		m157	
		L		94		50	
	SB Elysian Dr	R		31		21	
Old Bridge Rd & Rolling Brook Dr & Vantage View Ln (43)	EB Old Bridge Rd	L	241	m0	Yes, by 2404 feet	m112	Yes, by 213 feet
		T		#2645		454	
	WB Old Bridge Rd	L	291	49	No	118	No
		T		15		209	
		R	170	0	No	m0	Yes, by 39 feet
	NB Rolling Brook Dr	L	56	185	Yes, by 129 feet	107	Yes, by 51 feet
		T		185		107	
		R	200	0	No	0	No
	SB Vantage View Dr	T		54		38	
		R		0		0	
Old Bridge Rd & Clipper Dr (44)	EB Old Bridge Rd	L	217	m84	Yes, by 47 feet	m85	No
		T		m264		m158	
	WB Old Bridge Rd	L	125	m41	No	m62	feet
		T		117		401	
	NB Clipper Dr	T		149		146	
		R		57		8	

Table 1. Queue Length Analysis

Location	Approach	Results by Individual Movement					
		Move- ment	Turn Pocket Length	WD AM		WD PM	
				Queue Length	Exceed?	Queue Length	Exceed?
	SB Clipper Dr	L		#289		215	
		T		57		64	
Old Bridge Rd & Minnieville Rd & Lake Ridge Dr (45)	EB Old Bridge Rd	L	142	m5	Yes, by 628 feet	m16	Yes, by 816 feet
		T		m770		#958	
		R		m0		0	
	WB Old Bridge Rd	L	507	#283	No	378	Yes, by 349 feet
		T		54		856	
	NB Minnieville Rd	L		m#217		#478	
		T		m#220		#476	
		R		767		20	
	SB Lake Ridge Dr	T		124		#194	
Old Bridge Rd & Lake Ridge SC & Harbor Dr (47)	EB Old Bridge Rd	L	406	m32	Yes, by 1977 feet	m109	No
		T		m#2383		m245	
		R		m1		m0	
	WB Old Bridge Rd	L	285	m117	No	m68	Yes, by 235 feet
		T		m168		520	
	NB Lake Ridge SC	T		276		#411	
		R		#500		48	
	SB Harbor Dr	L		#292		116	
		T		82		#205	
Old Bridge Rd WB & Colby Dr (48)	WB Old Bridge Rd	L	213	m21	No	m82	No
		T		139		195	
		R	218	m2	No	m0	No
	NB Colby Dr	T		30		#328	
	SB Colby Dr	T		126		63	
		R		116		0	
Old Bridge Rd & Oakwood Dr (49)	EB Old Bridge Rd	L	192	m25	Yes, by 1306 feet	113	Yes, by 156 feet
		T		#1498		348	
		R	250	m0	Yes, by 1248 feet	8	Yes, by 98 feet
	WB Old Bridge Rd	L	203	84	Yes, by 63 feet	m203	Yes, by 785 feet
		T		266		#988	
		R	190	0	Yes, by 76 feet	m0	Yes, by 798 feet
	NB Oakwood Dr	T		#184		63	
		R		191		1	
	SB Oakwood Dr	T		#618		242	
		R		24		0	
Old Bridge Rd & Woodbridge HS & Antietam Rd (50)	EB Old Bridge Rd	L	181	m25	Yes, by 1129 feet	145	Yes, by 147 feet
		T		#1310		328	
		R	255	m5	Yes, by 1055 feet	m0	Yes, by 73 feet
		L	222	m770	Yes, by 10 feet	m1	Yes, by 1595 feet

Table 1. Queue Length Analysis

Location	Approach	Results by Individual Movement					
		Move- ment	Turn Pocket Length	WD AM		WD PM	
				Queue Length	Exceed?	Queue Length	Exceed?
	WB Old Bridge Rd	T		232		#1817	
		R	785	m6	No	m112	Yes, by 1032 feet
	NB Woodbridge HS	T		74		74	
		R		0		0	
	SB Antietam Rd	L	271	247	No	123	No
		T		246		127	
		R		83		0	
Old Bridge Rd & Old Bridge Elem School & Mohican Rd (51)	EB Old Bridge Rd	L	186	m75	Yes, by 1028 feet	151.0	Yes, by 12 feet
		T		#1214		198	
		R	229	38	Yes, by 985 feet	0	No
	WB Old Bridge Rd	L	521	#206	No	m1	Yes, by 1088 feet
		T		218		m#1609	
		R	285	15	No	m109	Yes, by 1324 feet
	NB Old Bridge Elem Schol	L		#293		106	
		T		43		37	
		R		1		0	
	SB Mohican Rd	L	185	#360	Yes, by 170 feet	141	No
		T		#355		144	
		R		156		53	
Old Bridge Rd & Cavalier Dr & All Saints PI (52)	EB Old Bridge Rd	L	206	m1	No	m311	No
		T		128		151	
		R	233	m0	No	22	No
	WB Old Bridge Rd	L	210	m42	No	m6	No
		T		183		58	
		R	260	m0	No	m0	No
	NB Cavalier Dr	T		74		99	
		R	125	54	No	0	No
	SB All Saints PI	T		63		46	
		R	122	0	No	0	No
Old Bridge Rd & Hedges Run Dr (53)	EB Old Bridge Rd	L	220	193	Yes, by 73 feet	#373	Yes, by 249 feet
		T		293		469	
		R	313	m0	No	m0	Yes, by 156 feet
	WB Old Bridge Rd	L	240	9	Yes, by 49 feet	m15	Yes, by 1390 feet
		T		289		#1630	
		R	736	15	No	m33	Yes, by 894 feet
	NB Hedges Run Dr	L		45		84	
		T		58		52	
	SB Hedges Run Dr	L	233	158	No	226	No
		T		160		225	
		R		88		95	

Table 1. Queue Length Analysis

Location	Approach	Results by Individual Movement					
		Move- ment	Turn Pocket Length	WD AM		WD PM	
				Queue Length	Exceed?	Queue Length	Exceed?
Old Bridge Rd & Cricket Ln & Dillingham Sq (54)	EB Old Bridge Rd	L	315	m9	No	285	No
		T		122		181	
		R	248	m0	No	m0	No
	WB Old Bridge Rd	L	122	27	Yes, by 126 feet	m1	No
		T		248		98	
		R	430	18	No	m0	No
	NB Cricket Ln	L		61		66	
		T		55		47	
	SB Dillingham Sq	T		166		221	
		R		49		78	
Old Bridge Rd & Smoketown Rd (55)	EB Old Bridge Rd	L	476	m#311	Yes, by 66 feet	#493	No
		T		542		257	
		R	285	43	Yes, by 257 feet	33	No
	WB Old Bridge Rd	L	435	#284	No	m296	Yes, by 1077 feet
		T		270		#1512	
		R		39		m0	
	NB Smoketown Rd	L	225	154	No	#365	Yes, by 144 feet
		T		158		#369	
		R		124		128	
	SB Smoketown Rd	L	260	119	No	82	No
		T		72		102	
		R		66		421	
Old Bridge Rd & Nursery Entrance & Springwoods Dr (56)	EB Old Bridge Rd	L	325	16	Yes, by 372 feet	#301	Yes, by 76 feet
		T		697		401	
		R	102	m0	Yes, by 595 feet	m0	Yes, by 299 feet
	WB Old Bridge Rd	L	110	m14	Yes, by 435 feet	m3	Yes, by 647 feet
		T		545		m757	
		R	330	28	Yes, by 215 feet	m27	Yes, by 427 feet
	NB Nursery Entrance	T		47		52	
	SB Springwoods Dr	L		547		247	
		T		537		247	
		R	488	65	Yes, by 49 feet	104	No
Old Bridge Rd & Rockwood Ln & Westridge Dr (57)	EB Old Bridge Rd	L	162	76	Yes, by 187 feet	m242	Yes, by 610 feet
		T		349		772	
	WB Old Bridge Rd	L	355	m7	No	m0	Yes, by 417 feet
		T		70		393	
		R		m0		m0	
	NB Rockwood Ln	T		29		22	

Table 1. Queue Length Analysis

Location	Approach	Results by Individual Movement					
		Move- ment	Turn Pocket Length	WD AM		WD PM	
				Queue Length	Exceed?	Queue Length	Exceed?
	SB Westridge Dr	T		233		234	
		R		239		194	
Old Bridge Rd & Titania Way & Touchstone Cir (58)	EB Old Bridge Rd	L	151	m1	No	m13	Yes, by 54 feet
		T		21		205	
		R		m0		m0	
	WB Old Bridge Rd	L	251	m84	Yes, by 441 feet	m2	Yes, by 731 feet
		T		692		982	
		R	431	m6	Yes, by 261 feet	m10	Yes, by 551 feet
	NB Titania Way	T		86		56	
	SB Touchstone Cir	T		131		#326	
		R		0		0	
Old Bridge Rd & Troupe St & Glen Shopping Ctr (59)	EB Old Bridge Rd	L	190	m136	Yes, by 150 feet	m69	No
		T		340		m140	
		R	215	m14	Yes, by 125 feet	m0	No
	WB Old Bridge Rd	L	353	79	Yes, by 221 feet	m113	No
		T		574		210	
		R		0		6	
	NB Troupe St	T		121		208	
		R		0		72	
	SB Glen Shopping Ctr	T		70		77	
		R		0		0	
Prince William Pkwy & Old Bridge Rd & Touchstone Cir (65)	EB Prince William Pkwy	L	341	m208	Yes, by 387 feet	#279	Yes, by 735 feet
		T		728		#1076	
		R		#1742		955.0	
	WB Old Bridge Rd	L	389	208	No	299	No
		T		323		350	
	NB Prince William Pwky	L		303		#897	
		T		352		#995	
		R		232		179	
	SB Touchstone Cir	L	259	187	No	135	No
		T		162		129	
		R	260	6	No	47	No
Old Bridge Rd EB & Colby Dr (480)	EB Old Bridge Rd	L	269	11	Yes, by 2164 feet	m16	Yes, by 285 feet
		T		#2433		554	
		R	212	10	Yes, by 2221 feet	m11	Yes, by 342 feet
	NB Colby Dr	T		115		250	
		R		161		12	
	SB Colby Dr	T		#243		#265	

Corridor Travel Times

All of the discussion above highlights findings relative to roadway operations based on analysis using Synchro software. The study team supplemented this information with the collection and analyses of spot travel time data to capture motorist experiences. Travel time runs were performed on December 5, 2017. It is important to note that this data was collected on a specific day and that actual travel times and delays will vary substantially from day to day. Nevertheless, the data provides a snapshot of motorist experiences on Old Bridge Road.

This travel data was summarized to show average speed for each direction for weekday AM and PM peak periods as well as the percent of time that motorists were traveling 10 miles per hour or less.

AM Peak

- Average speed eastbound: 15.9 miles per hour (mph)
- Average speed westbound: 24.9 mph
- Percent time traveling less than 10 mph eastbound: 61.7 percent
- Percent time traveling less than 10 mph westbound: 29.7 percent

PM Peak

- Average speed eastbound: 24.3 mph
- Average speed westbound: 22.2 mph
- Percent time traveling less than 10 mph eastbound: 34.7 percent
- Percent time traveling less than 10 mph westbound: 30.4 percent

From an overall corridor perspective, speeds are lower in the peak direction (eastbound in the morning and westbound in the evening) with a larger difference for the AM peak where speeds in the westbound direction are 10 mph higher than the peak eastbound direction (24.9 mph vs. 15.9 mph) than for the PM peak where speeds in the eastbound direction are 2 mph higher than the peak westbound direction (24.3 mph vs. 22.2 mph). This is to be expected as traffic directionality is less pronounced in the PM peak since traffic related to retail activities is higher in the PM peak and there is less directionality for this type of travel.

Additional data by individual segment is show in Figures 3 and 4 for the eastbound direction and Figures 5 and 6 for the westbound direction.

Figure 3: Old Bridge Road Eastbound: Weekday AM and PM Peaks
Average Percent Time Traveling Under 10 MPH

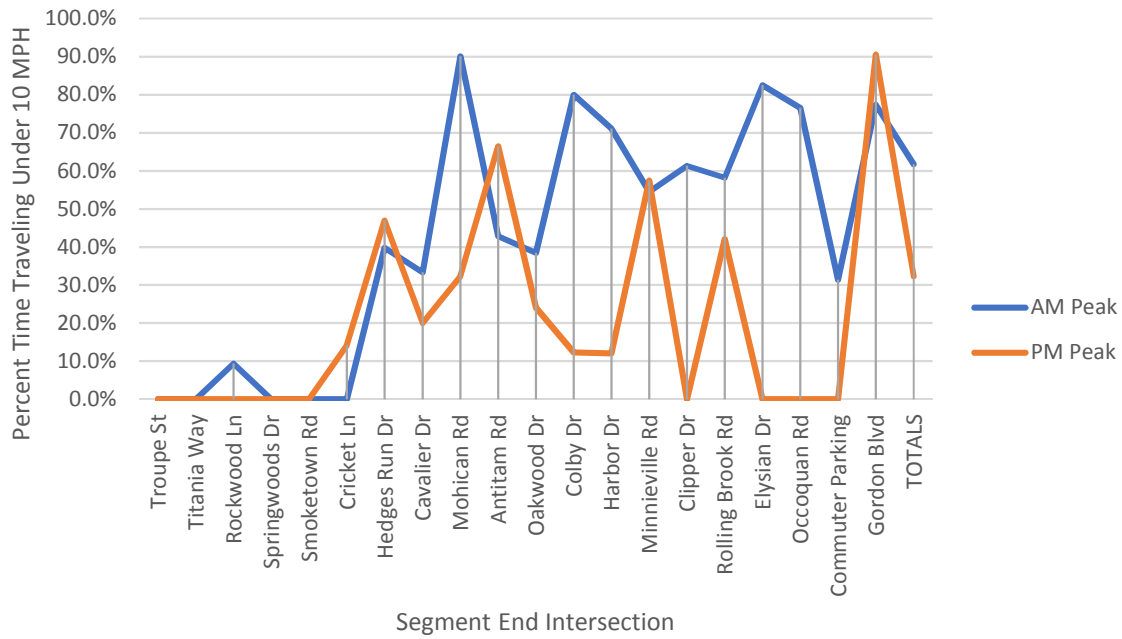
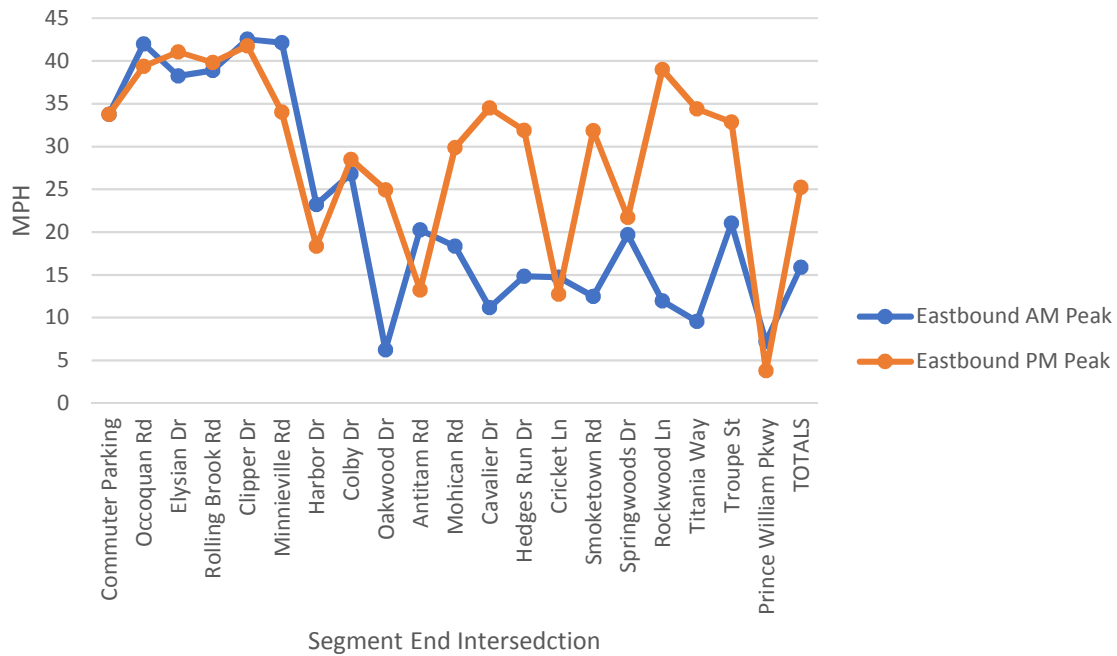


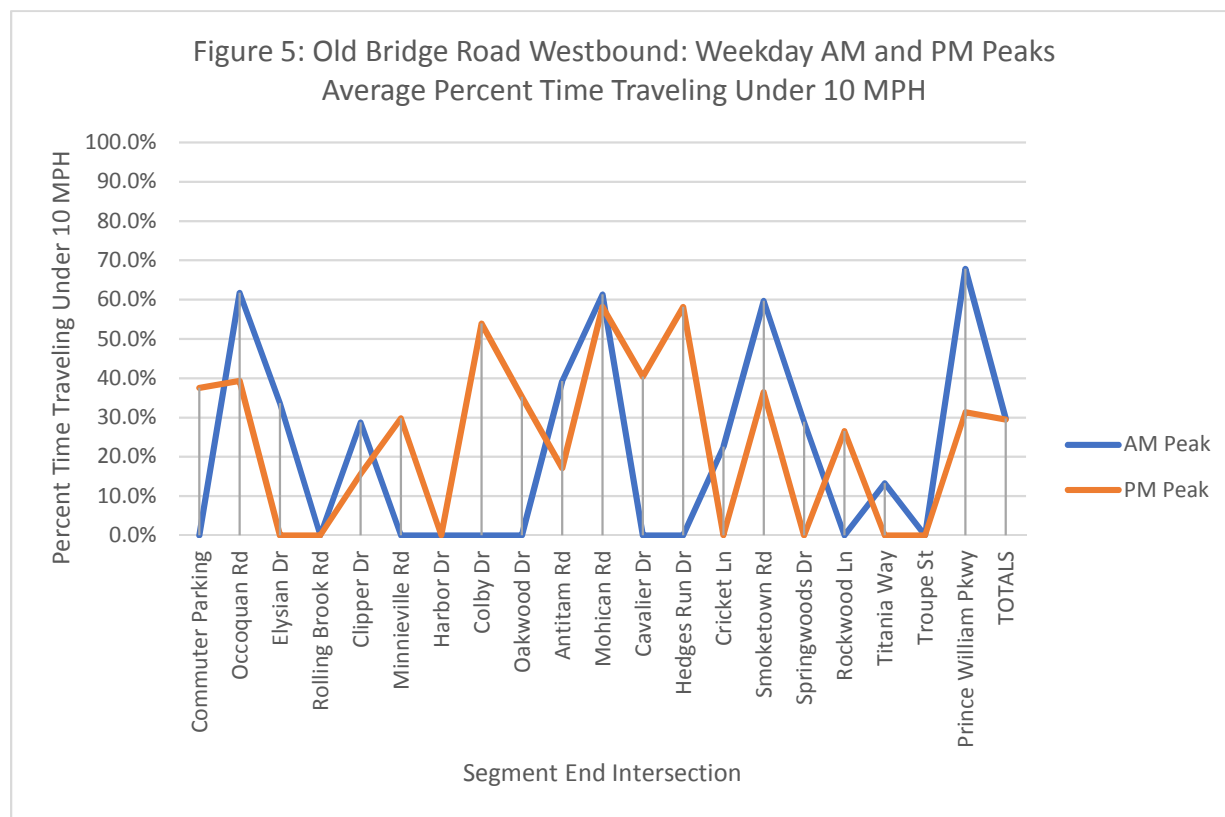
Figure 4: Old Bridge Road Eastbound: Weekday AM and PM Peaks
Average Travel Speed (MPH)

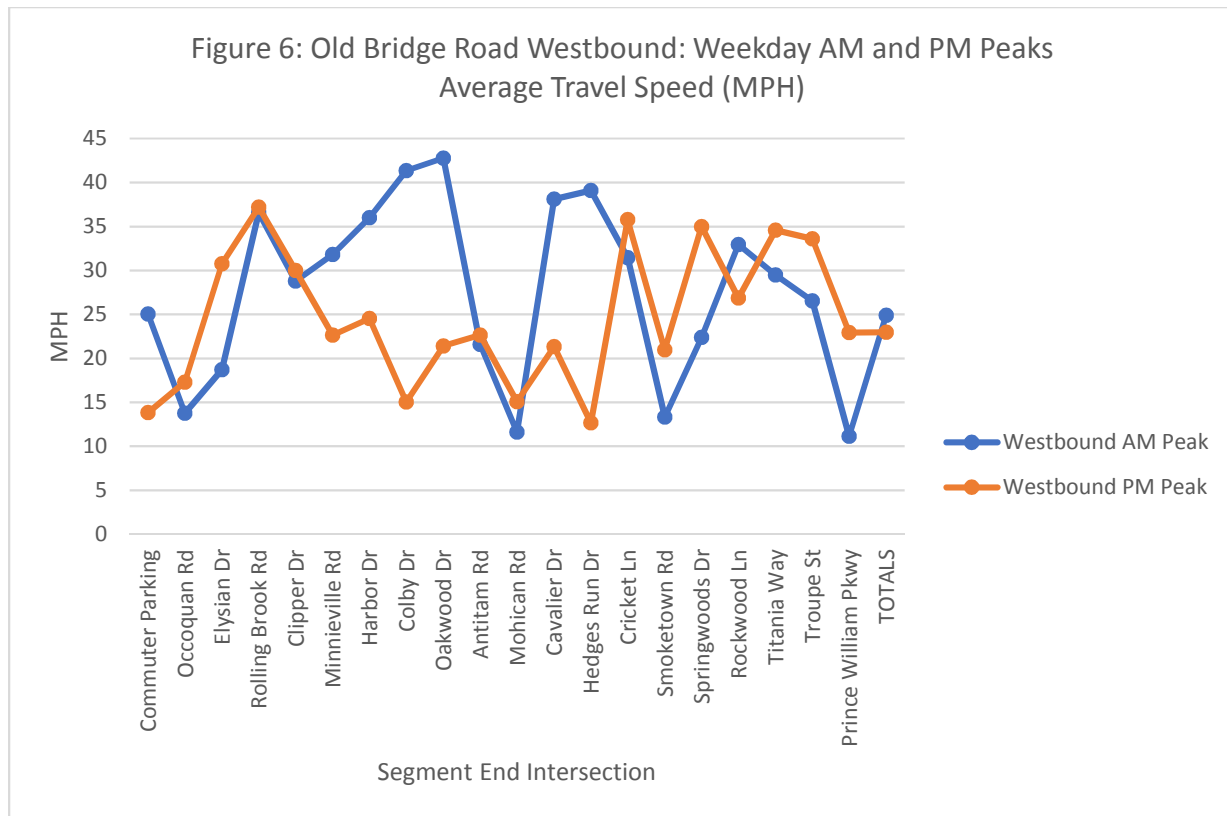


For the eastbound direction, the highest delays as measured by percentage of travel time under 10 mph occurs at Mohican Road, Colby Drive, Elysian Drive, and Gordon Boulevard in the AM peak and at Hedges Run Drive, Antietam Road, Minnieville Road, Rolling Brook Road, and Gordon Boulevard in the PM peak. Average travel speeds mirror these levels of delay.

For the westbound direction, the highest delays as measured by percentage of travel time under 10 mph occurs at Hedges Run Drive, Antietam Road, Minnieville Road Rolling Brook Road, and Gordon Boulevard in the AM peak and at Hedges Run Drive, Antietam Road, Minnieville Road, Rolling Brook Road, and Gordon Boulevard in the PM peak.

As noted above, this data reflects a very small sample size (multiple runs on a single day); while it likely does not represent “typical” conditions, it does highlight issues in the corridor based on actual field experience and it is being used on conjunction with the Synchro analysis discussed previously in this memorandum to identify issues and develop solutions. The field data does highlight the extent to which delays at a particular intersection may, in peak periods and peak directions, be caused more by downstream intersections than the intersection where the slowdown is evident. Stop and go conditions also result in high variability in travel times and delays across trips; a motorist taking the same trip 10 minutes later may experience unexpectedly higher delays as a result of unpredictability created by stop and go conditions.

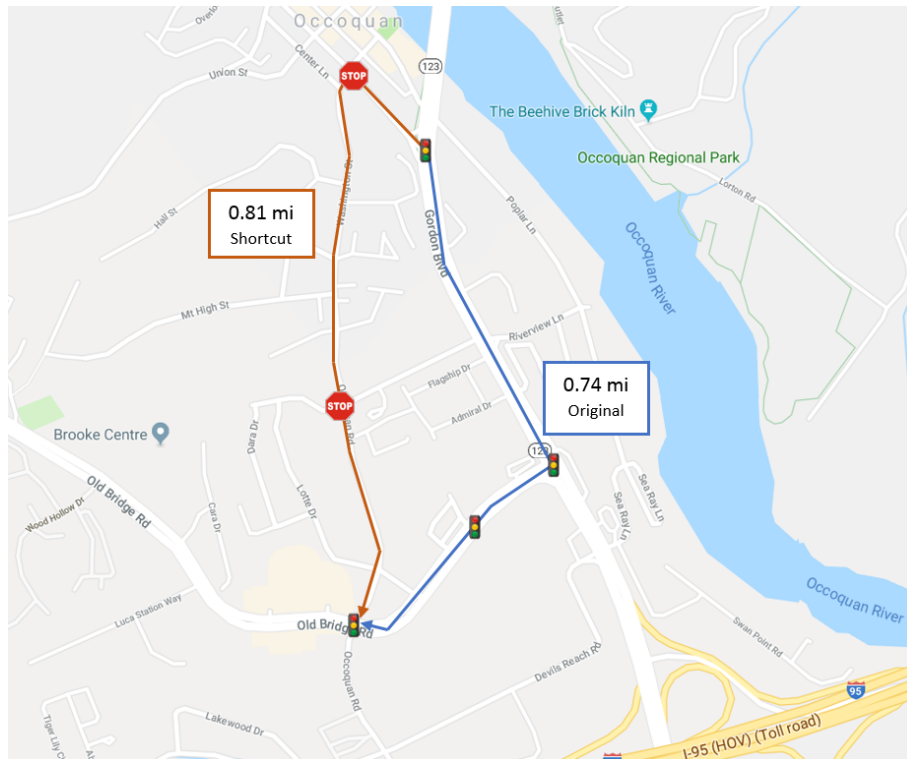




Occoquan Road “Shortcut” Route Observations

At the project kick-off meeting, the issue of Occoquan Road being used as a “shortcut” for travel from Gordon Boulevard to Old Bridge Road or vice versa was observed. Field observation was made of travel times between the intersection of Gordon Boulevard (VA 123) at Commerce Street and the intersection of Old Bridge Road and Occoquan Road was made on the same day that the travel time runs were. As shown in Figure 7, the distance between these two intersections using Gordon Boulevard and Old Bridge Road is 0.74 miles while using the “shortcut” of Commerce Street, Washington Street, and Occoquan Road is 0.81 miles. The Gordon/Old Bridge route includes three traffic lights while the Commerce/Washington/Occoquan route includes two stop signs and a traffic light.

Figure 7: Occoquan Original Route vs. Shortcut Paths



Travel times using each of these routes are shown in Table 2 below. As the table shows, travel times for the limited sample size indicate that the Commerce/Washington/Occoquan route is very similar in terms of travel times to the Gordon/Old Bridge route. Key delays for both routes occur at Old Bridge Road where the right turns from southbound Gordon Boulevard are very high (particularly in the PM peak) and extend beyond the length of the right turn lane. Delays at Old Bridge Road for southbound Occoquan Road are similarly high and otherwise negated other travel time benefits of the Commerce/Washington/Occoquan route. Nevertheless, based on informal field observations, this “shortcut” route did appear to be used by multiple motorists. This shortcut may be the result of motorist experience that they spend more time moving based on the minimal delays at the stop signs on the “shortcut” route (even though those benefits are often negated at Old Bridge Road) or that the “short-cut” route, while slightly slower, is more predictable on a daily basis than the Gordon/Old Bridge route.

Table 2. Comparing Original Path to Occoquan Road Shortcut

		Total Travel Time	% Time Traveling < 10 MPH	Distance	Avg. MPH
AM	Original	4.33 min	76.9%	0.74	10.2
	Shortcut	4.37 min	55.7%	0.81	11.1
PM	Original	5.78 min	79.8%	0.74	7.7
	Shortcut	7.90 min	72.6%	0.81	6.2

Crash Summary

Crash data for almost four years (January 2014 through November 2017) was reviewed for this study effort. Over this period, there were a total of 427 crashes, 208 injuries, and 2 fatalities in the Old Bridge Road corridor. As Table 3 shows, the number of crashes increased from 2014 to 2016 (89 crashes in 2014, 110 crashes in 2015, and 124 crashes in 2016). Through mid-November, there were 104 crashes in 2017. The intersections with the highest number of crashes spanning from the years 2014 to 2017 are Harbor Drive, Titania Way/Touchstone Circle, Springwoods Drive, Occoquan Road, and Clipper Drive. Over the January 2014 through November 2017 period, there were two fatal crashes in the corridor: one at Prince William Parkway/Touchstone Circle in 2014 and one at Antietam Road in 2017.

Figures 8, 9, and 10 graphically show the crashes by location and year for total crashes, crashes including one or more injuries, and property damage only injuries.

Detailed crash maps and discussion for each location in the corridor are included in Attachment 3.

Table 3. Crash Data Analysis

	2017			2016			2015			2014			Total		
Intersection	F	I	T	F	I	T	F	I	T	F	I	T	F	I	T
Gordon Blvd	0	0	4	0	5	6	0	0	6	0	3	5	0	8	21
Commuter Lot and Ent	0	0	3	0	0	3	0	0	4	0	0	4	0	0	14
Occoquan Road	0	10	11	0	0	7	0	0	6	0	11	7	0	21	31
Elysian Drive	0	0	2	0	0	4	0	0	1	0	3	5	0	3	12
Rolling Brook Drive / Vantage View	0	0	3	0	3	4	0	1	4	0	0	0	0	4	11
Clipper Drive	0	0	7	0	4	11	0	4	5	0	3	4	0	11	27
Minnieville Road / Lake Ridge Drive	0	2	6	0	7	8	0	0	4	0	3	5	0	12	23
Harbor Drive	0	9	12	0	8	13	0	4	12	0	4	6	0	25	43
Colby Drive	0	3	2	0	0	3	0	2	6	0	2	4	0	7	15
Oakwood Drive	0	1	5	0	0	2	0	2	5	0	0	4	0	3	16
Antietam Road	1	1	5	0	4	6	0	6	8	0	7	4	1	18	23
Mohican Road	0	4	5	0	4	7	0	0	4	0	0	1	0	8	17
Cavalier Drive / All Saints	0	0	5	0	5	5	0	0	3	0	1	1	0	6	14
Hedges Run Drive	0	0	2	0	0	0	0	0	5	0	0	1	0	0	8
Cricket Lane / Dillingham Square	0	4	5	0	0	3	0	1	2	0	7	7	0	12	17

Smoketown Road	0	3	2	0	0	4	0	3	9	0	1	6	0	7	21
Springwoods Drive	0	6	6	0	9	13	0	5	7	0	2	7	0	22	33
Rockwood Lane / Westridge Drive	0	3	3	0	3	10	0	3	3	0	2	6	0	11	22
Titania Way / Touchstone Circle	0	0	4	0	7	6	0	0	3	0	2	5	0	9	18
Troupe Street	0	1	4	0	2	4	0	2	4	0	1	3	0	6	15
Prince William Parkway / Touchstone Circle	0	0	8	0	3	5	0	6	9	1	6	4	1	15	26
TOTALS	1	47	104	0	64	124	0	39	110	1	58	89	2	208	427

Source: DMV Website; F = Fatalities, I = Injuries, T = Total

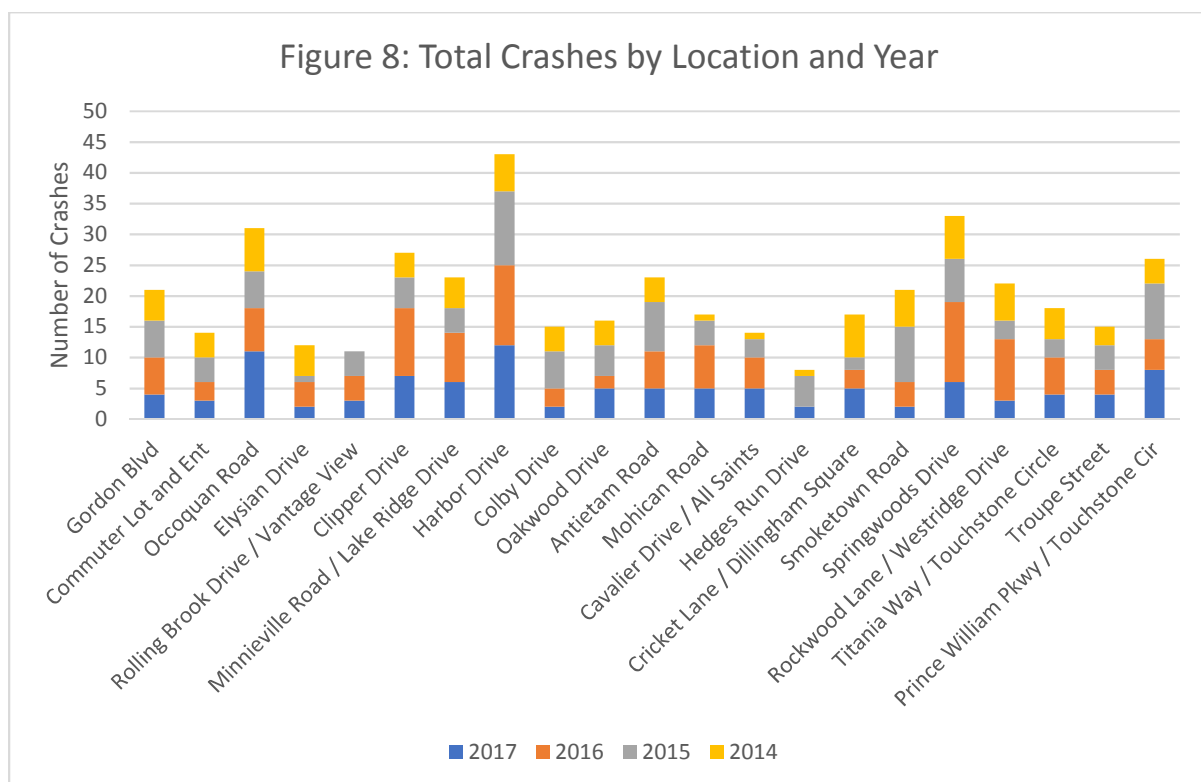


Figure 9: Injury Crashes by Location and Year

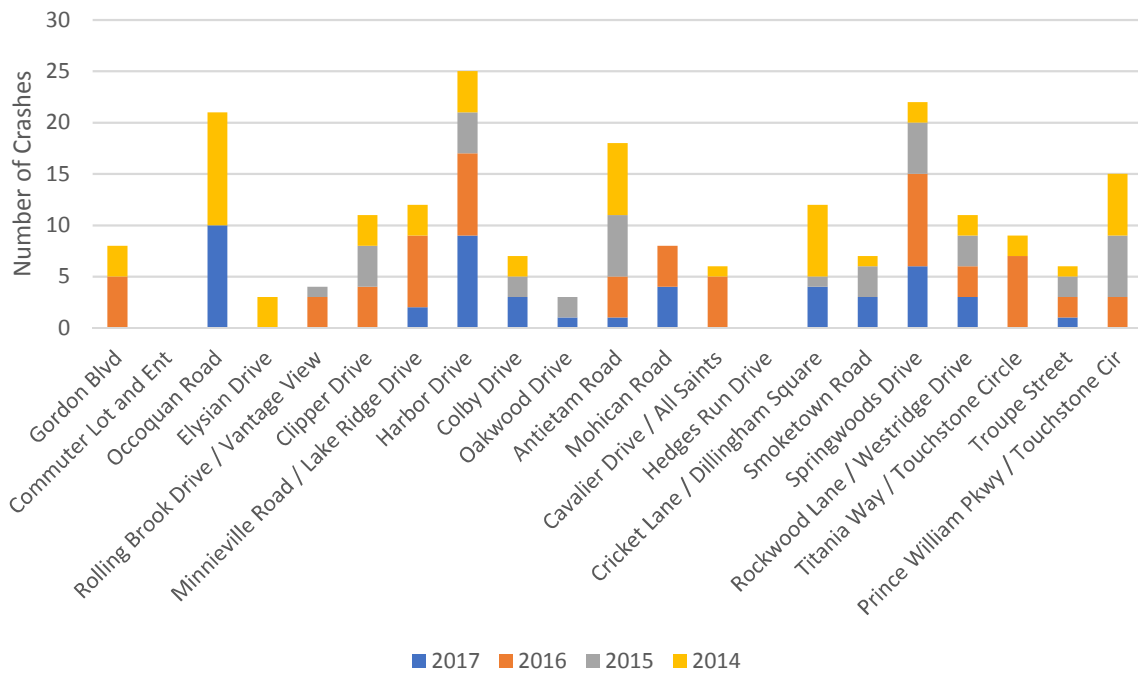
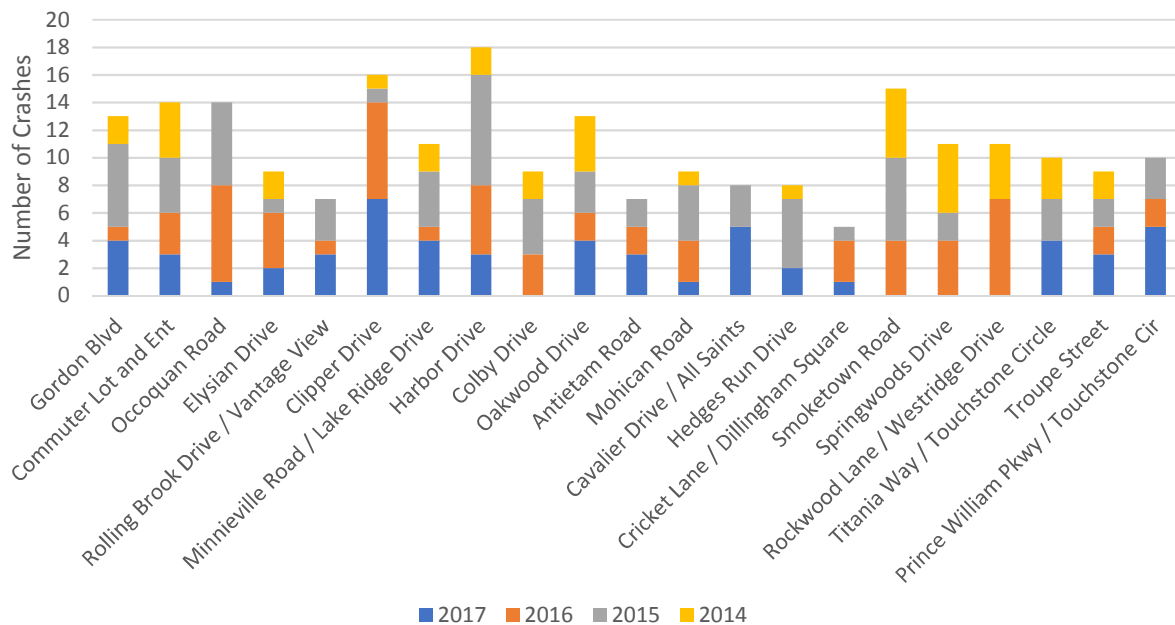


Figure 10: Property Damage Only Crashes by Location and Year



Community Input

Input from the community was obtained through “think-tank” meetings with the community convened by Prince William County Supervisor Ruth Anderson. This input is included in this memorandum so that all information used as input into the development of potential improvement solutions in the corridor is included in a single document. This input is included below as Table 4.

Table 4: Input from Supervisor Anderson’s Think-Tank Meetings

Date	Location	Summary of Issue	Potential Solution
Specific Intersections			
1/20/2016	Old Bridge Road	Short exit/turn lanes preventing traffic from exiting Old Bridge (Oakwood Drive)	Increase length of lanes; improving timing of signals; allow for turning at certain times of date; remove traffic signals; widen OBR
2/22/2016	Occoquan Road	Traffic back-up on Occoquan Road at Old Bridge Road intersection; see casework	Remove “No Right Turn on Red” sign
2/22/2016	Minnieville Road	Traffic signal timing south of PW Pkwy difficult to turn right	
3/2/2016	Old Bridge Road/123	Traffic at Rt. 123 intersection	Stop drivers from blocking the center lane when turning on VA-123
9/29/2016	Old Bridge Road / 123	Short left turn lane on eastbound OBR	Remove concrete barrier; left turn access to gas station removed
3/2 and 4/8/2016	Old Bridge Road	Left turn lane onto Westridge Dr off of Old Bridge Road	Extend current crossover median; add dedicated left turn lane
4/8/2016	Old Bridge Road	Bend on Old Bridge at light at Occoquan Road	Replace flashing sign/light with better sign, similar to one in Manassas
4/8/2016	Old Bridge Road	Old Bridge / Oakwood intersection	Paint white lines to keep cars in their lane when turning
6/17/2016	Old Bridge Road	Left turn lane onto Old Bridge Road from Yarborough Business Park unsafe	Put up a “no left turn” sign
3/24/2016	Old Bridge Road	Traffic on Old Bridge Road	Widen Old Bridge Road to 6 lanes
6/24 and 8/12/2016	Old Bridge Road	Right Lane on Old Bridge Road (near Tacketts Mill) ends	Remove or extend lane entirely; repaint lines adding in right lane until after Colby
6/17/2016	Old Bridge Road	OBR goes from 3 to 2 lanes	No right turn lanes
3/2/2016	Old Bridge Road / Minnieville	Left turn on to Minnieville backs up into through lanes	Expand left turn lanes onto Minnieville
12/1/2016	Telegraph Rd / Horner Rd	Need for a traffic light at the Horner Commuter Lot	Proffer light tied to Longpointe development; county funds light, reimbursed later?

3/8/2017	Old Bridge Road / 123 / Occoquan Rd	Congestion at intersection	Create flyover to connect Old Bridge Road to I-95
3/8/2017	Old Bridge Road / 123	Weaving on NB 123 from I-95	Dedicated NB lane on Route 123 w/ Jersey
3/8/2017	Old Bridge Road / 123	Congestion at intersection	Increase turn lane length and signage for turns off OBR onto Rte 123
3/8/2017	Old Bridge Road / 123	Back up on SB 123	Two right turn lanes from Rte 123 to OBR 3pm to 6pm
3/8/2017	Old Bridge Road / 123	Poor access to commuter lot	Add a second left turn lane to OBR that turns into the old Hechinger's parking lot.
3/8/2017	OBR / Occoquan Road	Backup on EB OBR at Occoquan intersection	Add right turn / deceleration lane onto SB Occoquan Rd
3/8/2017	OBR / Minnieville	Congestion at intersection	Restrict access from Minnieville Rd onto OBR; Harbor Dr light allows green during rush
3/8/2017	Old Bridge Rd / PW Pkwy	Backup on PW Pkwy	Add second right turn lane to stay on the PW Pkwy; Too many entrances / exits to the Glenn Shopping center
3/8/2017	Old Bridge Rd / Tanyard Hill Road	Tanyard Hill cut through traffic	Do not allow for access from OBR

I-95

3/8/2017	123/I-95 interchange	Congestion I-95 SB near 123 interchange; loss of general use lane at interchange	Temporary shoulder access similar to I-66 & 495; extend I-95 beyond 123 overpass to remove the sudden lane reduction problem; single lane reversible toll lane on OBR
3/24/2016	I-95	Loss of lane on I-95 at Lake Ridge traveling south	Widen I-95 south to at least Stafford
4/27/2016	123/I-95 Interchange	Rush hour traffic at I-95/VA-123 interchange	(Potomac Local article)

Public Transit

2/27/2016	Old Bridge Road	Traffic on OBR	More commuter lots on west end of district; turn Pfitzner stadium parking lot into commuter lot; buses can take PWP instead of OBR
3/2/2016	Old Bridge Road	Traffic on OBR	Commuter lot further west on OBR
4/8/2016	Old Bridge Road	Crossover from Tackett's	Make the cross over buses only, at least during PM rush hour
6/17/2016	Pedestrian Crossing	Need all signals at all crosswalks & safe bus stop locations	Create dedicated pull offs for Buses; collocate bus stops and crosswalks. Install

			Danish crosswalks and transit signal prioritization
6/17/2016	Old Bridge Road	Congestion	Encourage Multimodal; add barrier to LR commuter lot to allow PRTC buses to exit easier
3/8/2017	PRTC	No Neighborhood pick ups	Increase funding
3/8/2017	PRTC	No service to Belvoir	Add service
3/8/2017	PRTC		Expand PRTC metro direct could definitely

Signage

3/23/2016	Old Bridge Road	I-95 signs directing traffic along OBR when PW Pkwy is viable	Redirect traffic along PW Pkwy exit
4/7/2016	Old Bridge Road	Traffic on OBR	Variable messaging signs indicating travel time along OBR vs. Other roads

Policy

3/2/2016	General	Traffic on OBR	Regulations for right-on-reds turning
4/8/2016	Old Bridge Road	Traffic on OBR	Enforce speed limits
4/9 and 6/17/2016	Old Bridge Road	Traffic on OBR	Toll commuters or create a usage tax during rush hour
1/20/2016	Old Bridge Road	VDOT activity past 3PM	
4/8/2016	Old Bridge Road	Traffic on OBR	Stop/slow development throughout PWC
3/8/2017	Old Bridge Road	Congestion on OBR	Restrict access; a week without Old Bridge

Stoplights & Signals

12/21/2015	Old Bridge Road	Too many stoplights along OBR	
1/20 and 2/2/2016	Old Bridge Road	Timing of traffic signals; poor traffic signal timing	
4/8/2016	Old Bridge Road	Traffic on OBR	Stop adding traffic signals
6/17/2016	Old Bridge Road/ Hedges Run	NB Light out of Hedges Run green too long	Camera to turn light only when car is present
6/17/2016	Old Bridge Road	Congestion	Emergency vehicles interfere with smooth traffic signals
4/11/2016	Old Bridge Road	Rush hour traffic on OBR	Flashing yellow light for left turns in rush hour traffic direction
6/17/2016	Old Bridge Road	Congestion	Add flashing speed indicators to OBR
3/8/2017	123/ Old Bridge Road	Lights turn signal too long, prohibiting people from getting into left turn lanes on NB 123	Lights do not cycle quick enough

3/8/2017	Minnieville/OBR	Adjacent traffic lights delay and slow traffic	Improve cycling
3/8/2017	OBR / PW Pwky	Backup on PW Pwky	Keep through light red longer
School Zones			
3/23/2016	Old Bridge Road	Traffic along OBR in front of WSHS during school zone hours	Fences along OBR to prevent people from crossing street
8/12/2016	Old Bridge Road	People forget they are in a school zone	Add strobe light to school zone sign
3/23 and 8/12/2016	Old Bridge Road	Students crossing street illegally	Build pedestrian overpass
8/12/2016	Old Bridge Road	WSHS school zones	Speeding on OBR during school hours
8/12/2016	Old Bridge Road	WSHS school zones	Put strobe light on school signs; add a light in between
8/12/2016	Old Bridge Road	Reminder in a school zone	Place reminder signs on traffic
8/12/2016	Old Bridge Road	School zones timing	Change state laws on 30 min windows
Miscellaneous			
3/2/2016	Old Bridge Road	Lack of North/ South thoroughfares	New road / bridge across the Occoquan (Clipper continued)
3/24/2016	PWC	Lack of North / South Thoroughfares	
3/2/2016	General	Traffic from drivers leaving PWC	Create local offices places for alternate workplaces
3/23/2016	Old Bridge Road	GPS's directing traffic along OBR to get to I-95	
6/14/2016	Old Bridge Road	Traffic on OBR	Close exit from I-95 onto OBR and force drivers to take PW Pwky exit
8/12/2016	Old Bridge Road	Buses going against flow of traffic; requires left hand turns	More right turns
8/12/2016	Old Bridge Road	Pedestrian crosswalks causing timing delays	Disable crosswalk buttons during rush hour
3/6/2017	Occoquan Road	Reduce cut-through traffic	
3/8/2017	Old Bridge Rd / Minnieville		Additional signage for directions to Minnieville
3/8/2017	Tanyard Hill Road	Congestion on Tanyard Hill	Restrict access to Tanyard hill Road
3/8/2017	Old Bridge Road	Traffic is loud	Sound barrier on OBR
3/8/2017	Smoketown	Backed up traffic at stop signs	Install blinking lights

3/8/2017	All	Consider adding traffic detection devices for the traffic signal at Occoquan and OBR. But place those devices at the corner of Occoquan and Lottee to inform the signal at OBR about upstream delays to better optimize the signal timing	
3/8/2017	Metro	No Metro in PWC	Extend metro from Springfield to Woodbridge

	WEEKDAY AM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS	Move-ment	Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build			No Build		
Old Bridge Rd & Gordon Blvd (32)	80.7	F	EB Old Bridge Rd	87.9	F	L	94.3	F	m672
			NB Gordon Blvd	70.2	E	R	84.5	F	m#2310
						L	72.2	E	163
						T	69.8	E	#1287
						T	85.2	F	265
			SB Gordon Blvd	73.5	E	R	0.6	A	0
Old Bridge Rd & Commuter Lot & Ent (40)	51.5	D	EB Old Bridge Rd	54.7	D	L	0.5	A	m0
			WB Old Bridge Rd	11.4	B	T	54.7	D	m#287
						L	60.3	E	106
						T	4.4	A	54
						NB Commuter Lot	93.6	F	L
			SB Ent	78.1	E	T	30.7	C	60
Old Bridge Rd & Occoquan Rd (41)	61.7	E	EB Old Bridge Rd	58.4	E	T	78.1	E	46
						L	140.7	F	m137
			WB Old Bridge Rd	36.4	D	T	56.9	E	#2701
						L	106.0	F	63
			NB Occoquan Rd	109.4	F	T	33.0	C	178
						L	129.2	F	213
SB Occoquan Rd	132.8	F	T	114.9	F	m109			
			R	78.8	E	219			
Old Bridge Rd & Elysian Dr (42)	9.8	A	EB Old Bridge Rd	10.3	B	T	126.1	F	136
						L	138.8	F	146
			WB Old Bridge Rd	0.3	A	R	127.5	F	m17
						T	10.0	A	m223
			SB Elysian Dr	99.9	F	L	0.3	A	6
						R	132.1	F	94
Old Bridge Rd & Rolling Brook Dr & Vantage View Ln (43)	23.4	C	EB Old Bridge Rd	21.9	C	R	35.5	D	31
						L	2.0	A	m0
			WB Old Bridge Rd	3.5	A	T	21.9	C	#2645
						L	57.3	E	49
						T	0.8	A	15
						R	0.0	A	0
			NB Rolling Brook Dr	129.2	F	L	139.8	F	185
						T	138.8	F	185
						R	0.5	A	0
						SB Vantage View Dr	73.5	E	T
Old Bridge Rd &	22.8	C	EB Old	19.8	B	R	1.2	A	0
						L	132.9	F	m84

	WEEKDAY AM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Clipper Dr (44)			Bridge Rd			T	18.3	B	m264
			WB Old Bridge Rd	10.9	B	L	119.5	F	m41
						T	9.2	A	117
			NB Clipper Dr	64.2	E	T	109.0	F	149
						R	20.9	C	57
			SB Clipper Dr	116.9	F	L	151.5	F	#289
						T	28.6	C	57
Old Bridge Rd & Minnieville Rd & Lake Ridge Dr (45)	47.4	D	EB Old Bridge Rd	46.9	D	L	132.8	F	m5
						T	54.1	D	m770
						R	0.0	A	m0
			WB Old Bridge Rd	53.8	D	L	159.8	F	#283
						T	3.1	A	54
			NB Minneville Rd	43.4	D	L	142.0	F	m#217
						T	139.7	F	m#220
						R	29.3	C	767
			SB Lake Ridge Dr	123.1	F	T	123.1	F	124
Old Bridge Rd & Lake Ridge SC & Harbor Dr (47)	69.0	E	EB Old Bridge Rd	67.3	E	L	7.9	A	m32
						T	73.4	E	m#2383
						R	0.1	A	m1
			WB Old Bridge Rd	21.0	C	L	62.6	E	m117
						T	15.5	B	m168
			NB Lake Ridge SC	137.3	F	T	141.6	F	276
						R	135.5	F	#500
			SB Harbor Dr	102.6	F	L	154.6	F	#292
						T	34.6	C	82
Old Bridge Rd WB & Colby Dr (48)	17.1	B	WB Old Bridge Rd	7.1	A	L	138.8	F	m21
						T	6.3	A	139
						R	1.8	A	m2
			NB Colby Dr	36.1	D	T	36.1	D	30
			SB Colby Dr	50.4	D	T	97.4	F	126
						R	29.9	C	116
Old Bridge Rd & Oakwood Dr (49)	31.0	C	EB Old Bridge Rd	16.1	B	L	98.4	F	m25
						T	15.8	B	#1498

	WEEKDAY AM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	17.4	B	R	0.0	A	m0
						L	98.9	F	84
						T	14.0	B	266
						R	0.0	A	0
			NB Oakwood Dr	57.1	E	T	116.6	F	#184
						R	35.1	D	191
			SB Oakwood Dr	138.3	F	T	160.3	F	#618
						R	6.2	A	24
Old Bridge Rd & Woodbridge HS & Antietam Rd (50)	B	19.3	EB Old Bridge Rd	9.9	A	L	3.0	A	m25
						T	10.8	B	#1310
						R	1.2	A	m5
			WB Old Bridge Rd	17.1	B	L	44.2	D	m770
						T	17.6	B	232
						R	0.7	A	m6
			NB Woodbridge HS	29.0	C	T	91.0	F	74
						R	4.2	A	0
			SB Antietam Rd	61.2	E	L	97.6	F	247
						T	97.2	F	246
						R	14.0	B	83
Old Bridge Rd & Old Bridge Elem School & Mohican Rd (51)	45.2	D	EB Old Bridge Rd	40.3	D	L	15.7	B	m75
						T	45.0	D	#1214
						R	3.7	A	38
			WB Old Bridge Rd	28.5	C	L	94.7	F	#206
						T	21.4	C	218
						R	1.8	A	15
			NB Old Bridge Elem School	68.8	E	L	113.0	F	#293
						T	73.4	E	43
						R	1.8	A	1
			SB Mohican Rd	80.2	F	L	108.3	F	#360
						T	106.9	F	#355
						R	26.1	C	156
Old Bridge Rd & Cavalier Dr & All Saints Pl (52)	5.9	A	EB Old Bridge Rd	2.8	A	L	0.7	A	m1
						T	2.8	A	128

	WEEKDAY AM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	5.7	A	R	0.0	A	m0
						L	15.3	B	m42
						T	4.9	A	183
						R	0.0	A	m0
			NB Cavalier Dr	41.7	D	T	97.7	F	74
						R	22.0	C	54
			SB All Saints Pl	46.6	D	T	92.9	F	63
						R	2.0	A	0
Old Bridge Rd & Hedges Run Dr (53)	18.3	B	EB Old Bridge Rd	11.7	B	L	22.1	C	193
						T	9.8	A	293
						R	0.0	A	m0
			WB Old Bridge Rd	17.2	B	L	9.1	A	9
						T	20.1	C	289
						R	2.1	A	15
			NB Hedges Run Dr	38.9	D	L	82.3	F	45
						T	28.0	C	58
			SB Hedges Run Dr	52.7	D	L	97.4	F	158
						T	97.7	F	160
						R	18.8	B	88
Old Bridge Rd & Cricket Ln & Dillingham Sq (54)	9.2	A	EB Old Bridge Rd	3.7	A	L	2.0	A	m9
						T	3.8	A	122
						R	0.0	A	m0
			WB Old Bridge Rd	8.7	A	L	9.7	A	27
						T	9.1	A	248
						R	2.6	A	18
			NB Cricket Ln	43.4	D	L	75.4	E	61
						T	27.3	C	55
			SB Dillingham Sq	60.9	E	T	99.1	F	166
Old Bridge Rd & Smoketown Rd (55)	32.5	C	EB Old Bridge Rd	25.9	C	R	15.0	B	49
						L	115.1	F	m#311
						T	21.3	C	542
						R	2.5	A	43

	WEEKDAY AM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	33.7	C	L	140.2	F	#284
						T	24.6	C	270
						R	2.2	A	39
			NB Smoketown Rd	58.6	E	L	96.0	F	154
						T	95.6	F	158
						R	26.2	C	124
			SB Smoketown Rd	44.4	D	L	96.4	F	119
						T	83.3	F	72
						R	9..5	A	66
Old Bridge Rd & Nursery Entrance & Springwoods Dr (56)	32.0	C	EB Old Bridge Rd	13.4	B	L	6.2	A	16
						T	13.9	B	697
						R	0.1	A	m0
			WB Old Bridge Rd	23.9	C	L	17.5	B	m14
						T	26.7	C	545
						R	4.2	A	28
			NB Nursery Entrance	71.8	E	T	71.8	E	47
			SB Springwoods Dr	71.5	E	L	88.4	F	547
						T	86.1	F	537
						R	7.4	A	65
Old Bridge Rd & Rockwood Ln & Westridge Dr (57)	13.3	B	EB Old Bridge Rd	8.1	A	L	8.0	A	76
						T	8.1	A	349
			WB Old Bridge Rd	2.7	A	L	3.7	A	m7
						T	2.8	A	70
						R	0.1	A	m0
			NB Rockwood Ln	48.5	D	T	48.5	D	29
			SB Westridge Dr	67.0	E	T	98.9	F	233
						R	46.9	D	239
Old Bridge Rd & Titania Way & Touchstone Cir (58)	11.0	B	EB Old Bridge Rd	1.1	A	L	0.8	A	m1
						T	1.1	A	21
						R	0.0	A	m0

	WEEKDAY AM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	15.1	B	L	3.3	A	m84
						T	15.6	B	692
						R	0.9	A	m6
			NB Titania Way	59.9	E	T	59.9	E	86
			SB Touchstone Cir	91.0	F	T	107.7	F	131
						R	0.6	A	0
Old Bridge Rd & Troupe St & Glen Shopping Ctr (59)	16.1	B	EB Old Bridge Rd	13.6	B	L	86.8	F	m136
						T	10.1	B	340
						R	1.2	A	m14
			WB Old Bridge Rd	14.4	B	L	125.9	F	79
						T	12.2	B	574
						R	0.2	A	0
			NB Troupe St	58.9	E	T	97.3	F	121
						R	2.2	A	0
			SB Glen Shopping Ctr	49.4	D	T	92.1	F	70
						R	1.6	A	0
Prince William Pkwy & Old Bridge Rd & Touchstone Cir (65)	41.3	D	EB Prince William Pkwy	30.4	C	L	113.5	F	m208
						T	19.4	B	728
						R	32.1	C	#1742
			WB Old Bridge Rd	36.6	D	L	99.0	F	208
						T	16.0	B	323
			NB Prince William Pwky	68.8	E	L	81.0	F	303
						T	89.2	F	352
						R	33.6	C	232
			SB Touchstone Cir	75.0	E	L	102.4	F	187
						T	90.0	F	162
						R	8.9	A	6
Old Bridge Rd EB & Colby Dr (480)	78.0	E	EB Old Bridge Rd	68.7	E	L	6.3	A	11
						T	69.9	E	#2433
						R	1.3	A	10
			NB Colby Dr	62.2	E	T	93.6	F	115
						R	50.0	D	161
			SB Colby Dr	589.6	F	T	589.6	F	#243

	WEEKDAY MD PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Old Bridge Rd & Gordon Blvd (32)	22.9	C	EB Old Bridge Rd	23.1	C	L	27.6	C	145
						R	20.1	C	353
			NB Gordon Blvd	23.8	C	L	43.1	D	146
						T	3.9	A	19
			SB Gordon Blvd	21.6	C	T	28.4	C	143
						R	7.7	A	57
Old Bridge Rd & Commuter Lot & Ent (40)	3.4	A	EB Old Bridge Rd	2.1	A	L	1.2	A	m1
						T	2.1	A	39
			WB Old Bridge Rd	3.0	A	L	2.2	A	m5
						T	3.0	A	303
			NB Commuter Lot	47.8	D	L	61.1	E	29
						T	34.5	C	22
Old Bridge Rd & Occoquan Rd (41)	17.0	B	EB Old Bridge Rd	10.2	B	L	75.7	E	90
						T	6.7	A	161
			WB Old Bridge Rd	11.3	B	L	94.7	F	108
						T	6.6	A	63
			NB Occoquan Rd	47.2	D	L	62.6	E	115
						T	54.9	D	54
Old Bridge Rd & Elysian Dr (42)	2.4	A	EB Old Bridge Rd	1.9	A	L	74.1	E	m37
						T	1.0	A	6
			WB Old Bridge Rd	2.0	A	T	2.0	A	69
						L	63.4	E	38
			SB Elysian Dr	53.2	D	R	26.0	C	13
Old Bridge Rd & Rolling Brook Dr & Vantage View Ln (43)	6.3	A	EB Old Bridge Rd	5.1	A	L	5.1	A	m6
						T	5.1	A	115
			WB Old Bridge Rd	4.2	A	L	2.3	A	3
						T	4.3	A	123
						R	0.0	A	0
			NB Rolling Brook Dr	50.2	D	L	67.8	E	66
						T	67.6	E	66
						R	0.6	A	0
			SB Vantage View Dr	21.0	C	T	61.6	E	24
						R	0.6	A	0
Old Bridge Rd & Clipper Dr (44)	7.7	A	EB Old Bridge Rd	5.5	A	L	91.5	F	m93

	WEEKDAY MD PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						T	1.1	A	34
			WB Old Bridge Rd	3.1	A	L	80.8	F	44
						T	2.0	A	36
			NB Clipper Dr	53.6	D	T	68.4	E	97
						R	0.8	A	0
			SB Clipper Dr	46.8	D	L	72.6	E	107
						T	20.2	C	52
Old Bridge Rd & Minnieville Rd & Lake Ridge Dr (45)	29.4	C	EB Old Bridge Rd	15.1	B	L	77.8	E	m36
						T	17.3	B	104
						R	0.2	A	0
			WB Old Bridge Rd	37.9	D	L	64.5	E	273
						T	25.1	C	306
			NB Minneville Rd	27.5	C	L	69.2	E	190
						T	69.6	E	193
						R	1.2	A	0
			SB Lake Ridge Dr	73.3	E	T	73.3	E	#176
Old Bridge Rd & Lake Ridge SC & Harbor Dr (47)	17.0	B	EB Old Bridge Rd	14.3	B	L	10.2	B	26
						T	16.9	B	166
						R	0.3	A	0
			WB Old Bridge Rd	10.9	B	L	14.5	B	59
						T	10.4	B	118
			NB Lake Ridge SC	38.8	D	T	68.4	E	195
						R	5.5	A	35
			SB Harbor Dr	52.9	D	L	66.2	E	80
						T	43.6	D	78
Old Bridge Rd WB & Colby Dr (48)	6.1	A	WB Old Bridge Rd	4.9	A	L	65.8	E	m46
						T	4.0	A	77
						R	0.4	A	m1
			NB Colby Dr	19.9	B	T	19.9	B	20
						T	49.8	D	31
			SB Colby Dr	16.4	B	R	0.8	A	0
Old Bridge Rd & Oakwood Dr (49)	15.0	B	EB Old Bridge Rd	11.2	B	L	61.9	E	48
						T	10.3	B	303

	WEEKDAY MD PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	13.1	B	R	1.4	A	7
						L	74.6	E	85
						T	10.6	B	355
						R	0.0	A	0
			NB Oakwood Dr	19.9	B	T	54.5	D	47
						R	4.3	A	13
			SB Oakwood Dr	61.6	E	T	77.1	E	152
						R	0.8	A	0
Old Bridge Rd & Woodbridge HS & Antietam Rd (50)	7.4	A	EB Old Bridge Rd	4.5	A	L	4.2	A	15
						T	4.6	A	95
						R	0.0	A	m0
			WB Old Bridge Rd	5.9	A	L	4.2	A	m4
						T	6.7	A	73
						R	0.2	A	1
			NB Woodbridge HS	39.1	D	T	65.0	E	42
						R	0.3	A	0
			SB Antietam Rd	36.3	D	L	71.4	E	70
						T	71.1	E	70
						R	2.4	A	0
Old Bridge Rd & Old Bridge Elem School & Mohican Rd (51)	12.3	B	EB Old Bridge Rd	9.9	A	L	8.3	A	41.0
						T	10.3	B	325
						R	0.0	A	0
			WB Old Bridge Rd	9.3	A	L	6.7	A	m5
						T	10.3	B	130
						R	0.2	A	0
			NB Old Bridge Elem Schol	49.6	D	L	68.4	E	53
						T	63.7	E	28
						R	0.4	A	0
			SB Mohican Rd	38.3	D	L	71.6	E	82
						T	71.4	E	82
						R	5.8	A	29
Old Bridge Rd & Cavalier Dr & All Saints Pl (52)	6.0	A	EB Old Bridge Rd	3.1	A	L	1.5	A	m3
						T	3.4	A	80
						R	1.0	A	2

	WEEKDAY MD PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	6.6	A	L	4.9	A	37
						T	6.8	A	232
						R	0.3	A	m1
			NB Cavalier Dr	29.0	C	T	74.1	E	69
						R	3.6	A	1
			SB All Saints Pl	31.1	C	T	61.9	E	25
						R	0.4	A	0
Old Bridge Rd & Hedges Run Dr (53)	21.5	C	EB Old Bridge Rd	20.7	C	L	17.7	B	177
						T	21.7	C	512
						R	0.0	A	m0
			WB Old Bridge Rd	16.8	B	L	8.8	A	9
						T	18.4	B	453
						R	2.5	A	29
			NB Hedges Run Dr	34.1	C	L	59.0	E	27
						T	25.9	C	36
			SB Hedges Run Dr	41.5	D	L	72.9	E	128
						T	72.4	E	127
						R	8.0	A	30
Old Bridge Rd & Cricket Ln & Dillingham Sq (54)	13.9	B	EB Old Bridge Rd	11.0	B	L	23.0	C	152
						T	8.9	A	207
						R	0.2	A	m0
			WB Old Bridge Rd	8.2	A	L	2.5	A	m2
						T	9.4	A	440
						R	1.5	A	18
			NB Cricket Ln	29.5	C	L	45.7	D	29
						T	22.0	C	32
			SB Dillingham Sq	45.4	D	T	73.9	E	226
						R	3.9	A	21
Old Bridge Rd & Smoketown Rd (55)	25.0	C	EB Old Bridge Rd	21.9	C	L	98.1	F	#253
						T	14.0	B	147
						R	1.8	A	15
			WB Old Bridge Rd	19.0	B	L	116.8	F	#222

	WEEKDAY MD PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						T	4.9	A	45
						R	0.1	A	0
						L	72.8	E	158
			NB Smoketown Rd	43.5	D	T	72.2	E	161
						R	5.7	A	40
						L	72.7	E	94
			SB Smoketown Rd	37.1	D	T	65.0	E	68
						R	9.3	A	64
Old Bridge Rd & Nursery Entrance & Springwoods Dr (56)	11.7	B	EB Old Bridge Rd	5.0	A	L	4.8	A	14
						T	5.1	A	94
						R	0.0	A	m0
			WB Old Bridge Rd	8.2	A	L	5.4	A	m6
						T	9.7	A	145
						R	1.3	A	12
			NB Nursery Entrance	39.0	D	T	39.0	D	34
						L	74.2	E	155
						T	74.0	E	155
						R	7.4	A	51
Old Bridge Rd & Rockwood Ln & Westridge Dr (57)	8.9	A	EB Old Bridge Rd	4.8	A	L	8.6	A	59
						T	4.3	A	177
			WB Old Bridge Rd	4.9	A	L	6.2	A	m2
						T	5.3	A	120
						R	0.4	A	3
			NB Rockwood Ln	44.2	D	T	44.2	D	17
			SB Westridge Dr	49.9	D	T	76.1	E	145
						R	30.6	C	120
Old Bridge Rd & Titania Way & Touchstone Cir (58)	7.7	A	EB Old Bridge Rd	3.0	A	L	2.6	A	m7
						T	3.1	A	82
						R	0.0	A	m0
			WB Old Bridge Rd	5.5	A	L	2.0	A	m7
						T	5.9	A	248

	WEEKDAY MD PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						R	0.6	A	1
			NB Titania Way	42.8	D	T	42.8	D	42
			SB Touchstone Cir	62.9	E	T	84.3	F	145
						R	1.0	A	0
Old Bridge Rd & Troupe St & Glen Shopping Ctr (59)	10.9	B	EB Old Bridge Rd	8.4	A	L	82.5	F	m61
						T	6.1	A	102
						R	0.1	A	m0
			WB Old Bridge Rd	6.2	A	L	104.6	F	67
						T	3.9	A	60
						R	0.4	A	0
			NB Troupe St	43.2	D	T	74.6	E	164
						R	6.1	A	22
			SB Glen Shopping Ctr	26.5	C	T	69.8	E	67
						R	2.8	A	0
Prince William Pkwy & Old Bridge Rd & Touchstone Cir (65)	34.0	C	EB Prince William Pkwy	22.9	C	L	107.5	F	#217
						T	23.1	C	#508
						R	4.4	A	184
			WB Old Bridge Rd	36.2	D	L	95.0	F	222
						T	12.0	B	71
			NB Prince William Pkwy	49.8	D	L	61.3	E	244
						T	67.3	E	281
						R	7.8	A	70
			SB Touchstone Cir	45.1	D	L	72.2	E	99
						T	66.8	E	86
						R	7.7	A	31
Old Bridge Rd EB & Colby Dr (480)	12.3	B	EB Old Bridge Rd	8.8	A	L	8.2	A	10
						T	8.9	A	336
						R	0.0	A	0
			NB Colby Dr	36.8	D	T	53.6	D	80
						R	0.6	A	0
			SB Colby Dr	82.5	F	T	82.5	F	32

	WEEKDAY PM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Old Bridge Rd & Gordon Blvd (32)	60.4	E	EB Old Bridge Rd	50.0	D	L	100.3	F	308
						R	21.9	C	173
			NB Gordon Blvd	47.9	D	L	72.7	E	#613
						T	4.3	A	77
			SB Gordon Blvd	77.1	E	T	58.0	E	722
						R	110.8	F	#1674
Old Bridge Rd & Commuter Lot & Ent (40)	7.7	A	EB Old Bridge Rd	4.0	A	L	4.5	A	m2
						T	4.0	A	129
			WB Old Bridge Rd	4.9	A	L	2.4	A	m8
						T	4.9	A	m311
			NB Commuter Lot	102.6	F	L	115.7	F	194
						T	32.2	C	32
Old Bridge Rd & Occoquan Rd (41)	41.0	D	EB Old Bridge Rd	37.8	D	L	107.2	F	176
						T	34.0	C	535
			WB Old Bridge Rd	26.1	C	L	134.2	F	#288
						T	20.8	C	750
			NB Occoquan Rd	77.3	E	L	90.5	F	283
						T	72.0	E	m112
Old Bridge Rd & Elysian Dr (42)	3.6	A	EB Old Bridge Rd	2.2	A	L	115.4	F	73
						T	0.4	A	21
			WB Old Bridge Rd	3.7	A	T	3.7	A	m157
						L	102.7	F	50
			SB Elysian Dr	89.6	F	R	57.0	E	21
						L	10.4	B	m112
Old Bridge Rd & Rolling Brook Dr & Vantage View Ln (43)	12.4	B	EB Old Bridge Rd	23.0	C	T	23.1	C	454
						L	19.1	B	118
			WB Old Bridge Rd	4.8	A	T	3.9	A	209
						R	0.0	A	m0
			NB Rolling Brook Dr	95.6	F	L	112.6	F	107
						T	112.5	F	107
			SB Vantage View Dr	59.2	E	R	0.4	A	0
						T	100.4	F	38
Old Bridge Rd &	11.0	B	EB Old Bridge	10.4	B	L	92.7	F	m85

	WEEKDAY PM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Clipper Dr (44)			Rd			T	7.5	A	m158
			WB Old Bridge Rd	5.3	A	L	119.2	F	m62
						T	4.1	A	401
			NB Clipper Dr	67.9	E	T	92.8	F	146
						R	3.9	A	8
			SB Clipper Dr	86.4	F	L	120.2	F	215
						T	26.6	C	64
Old Bridge Rd & Minnieville Rd & Lake Ridge Dr (45)	44.8	D	EB Old Bridge Rd	85.4	F	L	108.5	F	m16
						T	107.0	F	#958
						R	0.2	A	0
			WB Old Bridge Rd	20.6	C	L	34.0	C	378
						T	15.0	B	856
			NB Minneville Rd	65.2	E	L	133.5	F	#478
						T	131.6	F	#476
						R	1.2	A	20
			SB Lake Ridge Dr	111.4	F	T	111.4	F	#194
Old Bridge Rd & Lake Ridge SC & Harbor Dr (47)	24.8	C	EB Old Bridge Rd	25.2	C	L	82.6	F	m109
						T	25.4	C	m245
						R	0.4	A	m0
			WB Old Bridge Rd	13.4	B	L	10.2	B	m68
						T	13.6	B	520
			NB Lake Ridge SC	84.8	F	T	122.5	F	#411
						R	9.2	A	48
			SB Harbor Dr	90.9	F	L	103.0	F	116
						T	86.3	F	#205
Old Bridge Rd WB & Colby Dr (48)	12.3	B	WB Old Bridge Rd	8.3	A	L	141.0	F	m82
						T	5.6	A	195
						R	0.2	A	m0
			NB Colby Dr	64.2	E	T	64.2	E	#328
			SB Colby Dr	44.3	D	T	86.1	F	63
						R	0.7	A	0
Old Bridge Rd & Oakwood Dr (49)	20.6	C	EB Old Bridge Rd	19.3	B	L	99.8	F	113
						T	16.6	B	348

	WEEKDAY PM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	16.6	B	R	1.0	A	8
						L	113.3	F	m203
						T	11.9	B	#988
						R	0.0	A	m0
			NB Oakwood Dr	25.1	C	T	80.4	F	63
						R	1.8	A	1
			SB Oakwood Dr	94.6	F	T	118.8	F	242
						R	0.9	A	0
Old Bridge Rd & Woodbridge HS & Antietam Rd (50)	21.6	C	EB Old Bridge Rd	14.7	B	L	76.7	E	145
						T	9.8	A	328
						R	0.0	A	m0
			WB Old Bridge Rd	21.1	C	L	4.8	A	m1
						T	22.9	C	#1817
						R	0.8	A	m112
			NB Woodbridge HS	60.4	E	T	101.6	F	74
						R	0.9	A	0
			SB Antietam Rd	65.4	E	L	111.1	F	123
						T	111.8	F	127
						R	5.0	A	0
Old Bridge Rd & Old Bridge Elem School & Mohican Rd (51)	13.2	B	EB Old Bridge Rd	13.9	B	L	81.7	F	151.0
						T	8.8	A	198
						R	0.0	A	0
			WB Old Bridge Rd	6.2	A	L	0.8	A	m1
						T	7.0	A	m#1609
						R	0.3	A	m109
			NB Old Bridge Elem Schol	73.3	E	L	108.5	F	106
						T	91.0	F	37
						R	1.3	A	0
			SB Mohican Rd	72.8	E	L	109.5	F	141
						T	110.4	F	144
						R	14.0	B	53
Old Bridge Rd & Cavalier Dr & All Saints PI (52)	4.9	A	EB Old Bridge Rd	3.4	A	L	4.0	A	m311
						T	3.8	A	151
						R	1.1	A	22

	WEEKDAY PM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build			Move-ment	No Build	
			WB Old Bridge Rd	3.4	A	L	1.4	A	m6
						T	3.5	A	58
						R	0.0	A	m0
			NB Cavalier Dr	41.9	D	T	113.5	F	99
						R	4.7	A	0
			SB All Saints Pl	72.8	E	T	93.5	F	46
						R	0.2	A	0
Old Bridge Rd & Hedges Run Dr (53)	38.4	D	EB Old Bridge Rd	37.3	D	L	92.8	F	#373
						T	27.5	C	469
						R	0.0	A	m0
			WB Old Bridge Rd	32.7	C	L	9.6	A	m15
						T	35.9	D	#1630
						R	1.9	A	m33
			NB Hedges Run Dr	60.9	E	L	96.6	F	84
						T	32.4	C	52
			SB Hedges Run Dr	67.4	E	L	111.4	F	226
						T	110.3	F	225
						R	18.7	B	95
			Old Bridge Rd & Cricket Ln & Dillingham Sq (54)	13.2	B	EB Old Bridge Rd	14.6	B	L
T	4.6	A							181
R	0.0	A							m0
WB Old Bridge Rd	5.8	A				L	1.2	A	m1
						T	6.5	A	98
						R	0.2	A	m0
NB Cricket Ln	55.8	E				L	83.6	F	66
						T	34.0	C	47
SB Dillingham Sq	55.1	E				T	114.5	F	221
						R	14.9	B	78
Old Bridge Rd & Smoketown Rd (55)	59.4	E	EB Old Bridge Rd	33.8	C	L	151.0	F	#493
						T	16.7	B	257
						R	3.4	A	33

	WEEKDAY PM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Movement	No Build		
			WB Old Bridge Rd	70.0	E	L	137.2	F	m296
						T	65.1	E	#1512
						R	0.2	A	m0
			NB Smoketown Rd	79.4	E	L	118.2	F	#365
						T	117.8	F	#369
						R	16.9	B	128
			SB Smoketown Rd	72.8	E	L	91.8	F	82
						T	92.0	F	102
						R	64.5	E	421
Old Bridge Rd & Nursery Entrance & Springwoods Dr (56)	26.0	C	EB Old Bridge Rd	24.6	C	L	108.9	F	#301
						T	13.4	B	401
						R	0.0	A	m0
			WB Old Bridge Rd	18.2	B	L	5.4	A	m3
						T	22.7	C	m757
						R	3.4	A	m27
			NB Nursery Entrance	46.1	D	T	46.1	D	52
			SB Springwoods Dr	78.9	E	L	113.4	F	247
						T	113.0	F	247
						R	19.1	B	104
Old Bridge Rd & Rockwood Ln & Westridge Dr (57)	12.6	B	EB Old Bridge Rd	11.9	B	L	51.9	D	m242
						T	5.2	A	772
			WB Old Bridge Rd	4.0	A	L	2.8	A	m0
						T	4.8	A	393
						R	0.5	A	m0
			NB Rockwood Ln	60.2	E	T	60.2	E	22
			SB Westridge Dr	73.9	E	T	114.7	F	234
						R	44.5	D	194
Old Bridge Rd & Titania Way & Touchstone Cir (58)	15.3	B	EB Old Bridge Rd	6.4	A	L	6.5	A	m13
						T	6.4	A	205
						R	0.0	A	m0
			WB Old Bridge Rd	13.1	B	L	2.4	A	m2

	WEEKDAY PM PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						T	14.1	B	982
						R	1.0	A	m10
			NB Titania Way	55.3	E	T	55.3	E	56
			SB Touchstone Cir	111.3	F	T	128.3	F	#326
						R	0.6	A	0
Old Bridge Rd & Troupe St & Glen Shopping Ctr (59)	12.3	B	EB Old Bridge Rd	10.1	B	L	100.3	F	m69
						T	7.8	A	m140
						R	0.1	A	m0
			WB Old Bridge Rd	6.7	A	L	146.7	F	m113
						T	2.4	A	210
						R	0.3	A	6
			NB Troupe St	60.7	E	T	110.3	F	208
						R	18.2	B	72
			SB Glen Shopping Ctr	39.4	D	T	103.5	F	77
Prince William Pkwy & Old Bridge Rd & Touchstone Cir (65)	58.9	E	EB Prince William Pkwy	51.9	D	L	146.2	F	#279
						T	77.9	E	#1076
						R	6.0	A	955
			WB Old Bridge Rd	47.0	D	L	115.6	F	299
						T	25.8	C	350
						L	85.8	F	#897
			NB Prince William Pkwy	78.2	E	T	92.4	F	#995
						R	18.5	B	179
						L	107.0	F	135
Old Bridge Rd EB & Colby Dr (480)	46.5	D	EB Old Bridge Rd	12.0	B	T	100.7	F	129
						R	11.8	B	47
						L	8.0	A	m16
			NB Colby Dr	72.7	E	T	12.4	B	554
						R	2.5	A	m11
						T	92.8	F	250
			SB Colby Dr	628.3	F	R	4.4	A	12
						T	628.3	F	#265

	WEEKDAY OFF PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build			Move-ment	No Build	
Old Bridge Rd & Gordon Blvd (32)	29.9	C	EB Old Bridge Rd	26.1	C	L	26.0	C	128
			NB Gordon Blvd	31.1	C	R	26.1	C	335
						L	43.9	D	218
						T	4.0	A	36
						T	35.5	D	309
			SB Gordon Blvd	30.3	C	R	22.0	C	541
Old Bridge Rd & Commuter Lot & Ent (40)	5.0	A	EB Old Bridge Rd	1.8	A	L	2.4	A	m4
			WB Old Bridge Rd	5.0	A	T	1.8	A	36
						L	1.4	A	m7
						T	5.2	A	533
						NB Commuter Lot	62.8	E	L
			SB Ent	46.7	D	T	43.2	D	20
Old Bridge Rd & Occoquan Rd (41)	29.1	C	EB Old Bridge Rd	21.4	C	T	46.7	D	27
			WB Old Bridge Rd	34.9	C	L	73.9	E	#259
						T	12.4	B	213
						L	91.3	F	149
						T	21.3	C	194
			NB Occoquan Rd	56	E	L	64.9	E	207
SB Occoquan Rd	71.6	E	T	50.4	D	74			
Old Bridge Rd & Elysian Dr (42)	2.2	A	EB Old Bridge Rd	1.2	A	R	3.1	A	16
			WB Old Bridge Rd	2.2	A	T	59.0	E	74
						L	68.9	E	m27
						T	0.6	A	3
						T	2.2	A	87
			SB Elysian Dr	54.5	D	L	63.4	E	38
Old Bridge Rd & Rolling Brook Dr & Vantage View Ln (43)	4.8	A	EB Old Bridge Rd	5.8	A	R	36.6	D	18
			WB Old Bridge Rd	2.4	A	L	7.0	A	m3
						T	5.8	A	234
						L	3.5	A	10
						T	2.4	A	134
			NB Rolling Brook Dr	56.0	E	R	0.0	A	m0
						L	67.2	E	60
						T	67.0	E	60
						R	0.2	A	0
			SB Vantage View Dr	41.2	D	T	61.6	E	24
Old Bridge Rd & Clipper Dr (44)	13.0	B	EB Old Bridge Rd	17.1	B	R	0.2	A	0
						L	36.1	D	m46

	WEEKDAY OFF PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						T	16.6	B	331
			WB Old Bridge Rd	7.6	A	L	84.7	F	m59
						T	6.3	A	647
			NB Clipper Dr	62.6	E	T	72.9	E	108
						R	0.6	A	0
			SB Clipper Dr	43.0	D	L	61.6	E	69
						T	24.4	C	42
Old Bridge Rd & Minnieville Rd & Lake Ridge Dr (45)	19.5	B	EB Old Bridge Rd	14.2	B	L	77.2	E	m8
						T	16.8	B	#545
						R	0.1	A	0
			WB Old Bridge Rd	20.9	C	L	52.4	D	#368
						T	5.3	A	381
			NB Minneville Rd	23.7	C	L	54.3	D	97
						T	54.4	D	98
						R	1.3	A	50
			SB Lake Ridge Dr	50.5	D	T	50.5	D	48
Old Bridge Rd & Lake Ridge SC & Harbor Dr (47)	23.0	C	EB Old Bridge Rd	18.7	B	L	22.0	C	m53
						T	20.9	C	233
						R	0.2	A	m0
			WB Old Bridge Rd	10.5	B	L	11.9	B	50
						T	10.4	B	71
			NB Lake Ridge SC	73.5	E	T	115.2	F	#406
						R	5.9	A	39
			SB Harbor Dr	55.6	E	L	63.5	E	88
						T	51.0	D	108
Old Bridge Rd WB & Colby Dr (48)	9.0	A	WB Old Bridge Rd	6.9	A	L	78.8	E	m58
						T	5.2	A	m106
						R	0.4	A	m106
			NB Colby Dr	28.9	C	T	28.9	C	41
			SB Colby Dr	24.3	C	T	48.1	D	44
						R	0.5	A	0
Old Bridge Rd & Oakwood Dr (49)	14.0	B	EB Old Bridge Rd	18.4	B	L	59.8	E	m36
						T	17.9	B	392

	WEEKDAY OFF PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	9.1	A	R	1.4	A	m6
						L	77.3	E	193
						T	3.1	A	167
						R	0.0	A	m0
			NB Oakwood Dr	20.1	C	T	55.7	E	46
						R	5.4	A	15
			SB Oakwood Dr	53.3	D	T	67.6	E	99
						R	0.6	A	0
Old Bridge Rd & Woodbridge HS & Antietam Rd (50)	11.3	B	EB Old Bridge Rd	10.1	B	L	31.9	C	86
						T	8.2	A	126
						R	0.0	A	0
			WB Old Bridge Rd	8.7	A	L	2.9	A	m3
						T	9.5	A	332
						R	0.6	A	8
			NB Woodbridge HS	40.4	D	T	62.2	E	74
						R	0.5	A	0
			SB Antietam Rd	36.5	D	L	65.6	E	68
						T	65.4	E	68
						R	1.7	A	0
Old Bridge Rd & Old Bridge Elem School & Mohican Rd (51)	13.4	B	EB Old Bridge Rd	24.0	C	L	22.6	C	97.0
						T	24.6	C	353
						R	0.0	A	m0
			WB Old Bridge Rd	3.1	A	L	1.8	A	m0
						T	3.2	A	48
						R	0.1	A	m0
			NB Old Bridge Elem Schol	36.7	D	L	61.6	E	38
						T	59.1	E	24
						R	0.5	A	0
			SB Mohican Rd	35.6	D	L	65.6	E	75
						T	65.5	E	75
						R	3.3	A	14
Old Bridge Rd & Cavalier Dr & All Saints Pl (52)	5.4	A	EB Old Bridge Rd	5.3	A	L	3.5	A	m11
						T	5.7	A	98
						R	0.1	A	0

	WEEKDAY OFF PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	2.5	A	L	2.0	A	m8
						T	2.6	A	71
						R	0.0	A	m0
			NB Cavalier Dr	29.0	C	T	69.0	E	80
						R	9.0	A	29
			SB All Saints Pl	32.6	C	T	59.1	E	47
						R	0.8	A	0
Old Bridge Rd & Hedges Run Dr (53)	20.6	C	EB Old Bridge Rd	23.4	C	L	43.2	D	#175
						T	20.0	C	344
						R	0.1	A	0
			WB Old Bridge Rd	14.2	B	L	4.1	A	m4
						T	15.5	B	#706
						R	0.4	A	0
			NB Hedges Run Dr	37.1	D	L	55.5	E	47
						T	23.3	C	36
			SB Hedges Run Dr	37	D	L	66.5	E	118
						T	66.2	E	118
						R	12.8	B	58
Old Bridge Rd & Cricket Ln & Dillingham Sq (54)	19.5	B	EB Old Bridge Rd	13.3	B	L	37.9	D	208
						T	7.7	A	221
						R	0.0	A	m0
			WB Old Bridge Rd	20.1	C	L	7.3	A	13
						T	22.9	C	574
						R	2.8	A	41
			NB Cricket Ln	40.2	D	L	51.1	D	39
						T	31.0	C	36
			SB Dillingham Sq	37.8	D	T	74.7	E	179
						R	10.8	B	65
Old Bridge Rd & Smoketown Rd (55)	40.7	D	EB Old Bridge Rd	35.4	D	L	105.9	F	#373
						T	22.9	C	223
						R	2.9	A	17
			WB Old Bridge Rd	38.8	D	L	123.7	F	#336

	WEEKDAY OFF PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			NB Smoketown Rd	51.8	D	T	28.9	C	#670
						R	1.8	A	17
						L	77.3	E	235
						T	77.1	E	245
			SB Smoketown Rd	47.4	D	R	13.3	B	88
						L	76.6	E	220
						T	53.7	D	55
						R	22.0	C	147
Old Bridge Rd & Nursery Entrance & Springwoods Dr (56)	13.1	B	EB Old Bridge Rd	7.7	A	L	15.8	B	72
						T	6.7	A	147
						R	0.0	A	m0
			WB Old Bridge Rd	8.4	A	L	5.5	A	m7
						T	10.5	B	175
						R	1.0	A	m7
			NB Nursery Entrance	49.7	D	T	49.7	D	29
			SB Springwoods Dr	49.3	D	L	74.8	E	167
						T	74.6	E	167
						R	7.3	A	50
Old Bridge Rd & Rockwood Ln & Westridge Dr (57)	8.7	A	EB Old Bridge Rd	8.7	A	L	14.8	B	148
						T	7.3	A	240
			WB Old Bridge Rd	1.6	A	L	2.0	A	m0
						T	2.0	A	38
			NB Rockwood Ln	42.1	D	R	0.6	A	0
						T	42.1	D	26
			SB Westridge Dr	46.9	D	T	76.2	E	136
						R	29.0	C	122
Old Bridge Rd & Titania Way & Touchstone Cir (58)	9.9	A	EB Old Bridge Rd	6.2	A	L	5.3	A	13
						T	6.3	A	106
						R	0.0	A	m0
			WB Old Bridge Rd	3.9	A	L	1.8	A	m3
						T	4.4	A	143
						R	1.0	A	1

	WEEKDAY OFF PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			NB Titania Way	31.1	C	T	31.1	C	36
			SB Touchstone Cir	51.1	D	T	82.5	F	198
						R	11.1	B	53
Old Bridge Rd & Troupe St & Glen Shopping Ctr (59)	13.6	B	EB Old Bridge Rd	14	B	L	64.0	E	m67
						T	12.3	B	254
						R	1.3	A	m3
			WB Old Bridge Rd	7.2	A	L	88.3	F	69
						T	5.4	A	73
						R	0.2	A	0
			NB Troupe St	39.9	D	T	74.4	E	142
						R	7.4	A	26
			SB Glen Shopping Ctr	31.8	C	T	70.5	E	75
						R	2.1	A	0
Prince William Pkwy & Old Bridge Rd & Touchstone Cir (65)	41.6	D	EB Prince William Pkwy	30.1	C	L	93.0	F	#190
						T	43.2	D	#469
						R	11.7	B	460
			WB Old Bridge Rd	39.7	D	L	72.5	E	201
						T	22.6	C	151
			NB Prince William Pwky	53.9	D	L	61.2	E	#489
						T	71.2	E	#607
						R	12.5	B	159
			SB Touchstone Cir	50.7	D	L	68.0	E	95
						T	74.5	E	141
						R	3.7	A	14
Old Bridge Rd EB & Colby Dr (480)	26.9	C	EB Old Bridge Rd	16.9	B	L	10.0	A	m9
						T	17.6	B	423
						R	6.5	A	40
			NB Colby Dr	40.6	D	T	57.3	E	161
						R	1.7	A	4
			SB Colby Dr	163.9	F	T	163.9	F	125

	WEEKEND AM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Old Bridge Rd & Gordon Blvd (32)	25.3	C	EB Old Bridge Rd	23.3	C	L	48.7	D	265
						R	5.7	A	18
			NB Gordon Blvd	21.8	C	L	39.3	D	119
						T	8.2	A	58
			SB Gordon Blvd	31.5	C	T	39.3	D	280
						R	10.9	B	165
Old Bridge Rd & Commuter Lot & Ent (40)	4.3	A	EB Old Bridge Rd	1.0	A	L	0.5	A	m1
						T	1.0	A	19
			WB Old Bridge Rd	4.1	A	L	9.4	A	40
						T	3.7	A	76
			NB Commuter Lot	49.4	D	L	71.0	E	98
						T	20.5	C	41
Old Bridge Rd & Occoquan Rd (41)	16.5	B	EB Old Bridge Rd	4.5	A	L	90.1	F	m39
						T	3.7	A	30
			WB Old Bridge Rd	16.1	B	L	45.6	D	80
						T	14.2	B	234
			NB Occoquan Rd	48.5	D	L	62.5	E	140
						T	52.5	D	53
Old Bridge Rd & Elysian Dr (42)	1.4	A	EB Old Bridge Rd	1.1	A	L	101.1	F	m28
						T	0.2	A	1
			WB Old Bridge Rd	1.1	A	T	1.1	A	37
						L	62.2	E	27
			SB Elysian Dr	37.6	D	R	21.1	C	21
Old Bridge Rd & Rolling Brook Dr & Vantage View Ln (43)	13.1	B	EB Old Bridge Rd	6.2	A	L	2.7	A	m4
						T	6.3	A	313
			WB Old Bridge Rd	16.0	B	L	11.0	B	34
						T	16.3	B	286
						R	0.0	A	0
			NB Rolling Brook Dr	57.8	E	L	71.1	E	105
						T	70.6	E	105
						R	0.5	A	0
			SB Vantage View Dr	31.5	C	T	63.8	E	42
						R	0.8	A	0
Old Bridge Rd & Clipper Dr (44)	7.0	A	EB Old Bridge Rd	3.4	A	L	89.9	F	m49

	WEEKEND AM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						T	1.5	A	49
			WB Old Bridge Rd	3.8	A	L	54.6	D	m23
						T	3.4	A	84
			NB Clipper Dr	39	D	T	63.9	E	97
						R	6.6	A	18
			SB Clipper Dr	54.1	D	L	72.8	E	121
						T	22.1	C	45
Old Bridge Rd & Minnieville Rd & Lake Ridge Dr (45)	18.6	B	EB Old Bridge Rd	9.4	A	L	71.5	E	m5
						T	10.5	B	108
						R	0.1	A	0
			WB Old Bridge Rd	24.9	C	L	52.8	D	265
						T	11.1	B	280
			NB Minneville Rd	26.6	C	L	67.6	E	166
						T	67.9	E	169
						R	0.4	A	0
			SB Lake Ridge Dr	1.6	A	T	1.6	A	0
Old Bridge Rd & Lake Ridge SC & Harbor Dr (47)	18.2	B	EB Old Bridge Rd	14.1	B	L	10.0	A	m12
						T	15.8	B	262
						R	0.8	A	0
			WB Old Bridge Rd	15.3	B	L	18.6	B	53
						T	14.9	B	89
			NB Lake Ridge SC	37.0	D	T	68.7	E	163
						R	6.4	A	35
			SB Harbor Dr	52.2	D	L	58.4	E	55
						T	50.1	D	101
Old Bridge Rd WB & Colby Dr (48)	15.6	B	WB Old Bridge Rd	5.9	A	L	72.9	E	m38
						T	5.0	A	82
						R	0.4	A	m1
			NB Colby Dr	63.3	E	T	63.3	E	#272
			SB Colby Dr	36.4	D	T	50.9	D	90
						R	0.5	A	0
Old Bridge Rd & Oakwood Dr (49)	27.7	C	EB Old Bridge Rd	20.9	C	L	62.9	E	68
						T	20.4	C	330

	WEEKEND AM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	21.0	C	R	3.0	A	13
						L	81.4	F	m#211
						T	11.7	B	335
						R	0.1	A	m0
			NB Oakwood Dr	16.2	B	T	43.3	D	49
						R	9.1	A	50
			SB Oakwood Dr	85.1	F	T	96.2	F	#403
						R	0.4	A	0
Old Bridge Rd & Woodbridge HS & Antietam Rd (50)	13.6	B	EB Old Bridge Rd	2.0	A	L	2.0	A	9
						T	2.0	A	43
						R	0.0	A	m0
			WB Old Bridge Rd	18.0	B	L	14.4	B	m8
						T	19.9	B	198
						R	7.2	A	47
			NB Woodbridge HS	40.7	D	T	58.8	E	26
						R	0.0	A	0
			SB Antietam Rd	42	D	L	68.0	E	114
						T	68.5	E	116
						R	2.6	A	0
Old Bridge Rd & Old Bridge Elem School & Mohican Rd (51)	8.2	A	EB Old Bridge Rd	5.1	A	L	2.2	A	5.0
						T	5.4	A	87
						R	0.0	A	m0
			WB Old Bridge Rd	6.2	A	L	5.1	A	27
						T	7.8	A	90
						R	1.7	A	20
			NB Old Bridge Elem Schol	39.7	D	L	59.5	E	16
						T	59.2	E	16
						R	0.2	A	0
			SB Mohican Rd	33.3	C	L	65.6	E	75
						T	65.6	E	77
						R	7.1	A	39
Old Bridge Rd & Cavalier Dr & All Saints Pl (52)	6.0	A	EB Old Bridge Rd	1.8	A	L	0.9	A	m2
						T	1.9	A	60
						R	0.1	A	0

	WEEKEND AM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	6.7	A	L	4.2	A	29
						T	7.2	A	208
						R	0.0	A	0
			NB Cavalier Dr	35.7	D	T	69.5	E	82
						R	2.0	A	0
			SB All Saints Pl	28.7	C	T	58.2	E	40
						R	0.8	A	0
Old Bridge Rd & Hedges Run Dr (53)	13.9	B	EB Old Bridge Rd	4.9	A	L	3.9	A	24
						T	5.1	A	62
						R	0.0	A	m0
			WB Old Bridge Rd	18.2	B	L	11.0	B	22
						T	20.4	C	335
						R	1.8	A	15
			NB Hedges Run Dr	49.3	D	L	56.8	E	62
						T	36.3	D	34
			SB Hedges Run Dr	32.4	C	L	64.7	E	96
						T	64.2	E	94
Old Bridge Rd & Cricket Ln & Dillingham Sq (54)	6.6	A	EB Old Bridge Rd	2.1	A	L	2.1	A	12
						T	2.1	A	51
						R	0.0	A	m0
			WB Old Bridge Rd	4.6	A	L	2.4	A	m3
						T	5.5	A	65
						R	0.8	A	0
			NB Cricket Ln	34.3	C	L	51.4	D	33
						T	23.6	C	29
			SB Dillingham Sq	33.2	C	T	68.2	E	113
						R	13.4	B	59
Old Bridge Rd & Smoketown Rd (55)	31.0	C	EB Old Bridge Rd	22.5	C	L	76.1	E	248
						T	17.2	B	163
						R	2.9	A	31
			WB Old Bridge Rd	40.2	D	L	68.7	E	#232

	WEEKEND AM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						T	34.1	C	301
						R	0.0	A	0
						L	66.6	E	137
			NB Smoketown Rd	40.5	D	T	66.4	E	141
						R	5.4	A	35
						L	66.1	E	88
			SB Smoketown Rd	34.3	C	T	62.0	E	80
						R	6.2	A	53
Old Bridge Rd & Nursery Entrance & Springwoods Dr (56)	14.5	B	EB Old Bridge Rd	3.8	A	L	2.9	A	10
						T	3.9	A	100
						R	0.0	A	m0
			WB Old Bridge Rd	9.8	A	L	7.8	A	m2
						T	11.7	B	130
						R	1.0	A	13
			NB Nursery Entrance	46.3	D	T	46.3	D	27
			SB Springwoods Dr	49.8	D	L	69.2	E	210
						T	68.3	E	207
						R	6.1	A	46
Old Bridge Rd & Rockwood Ln & Westridge Dr (57)	13.6	B	EB Old Bridge Rd	12.1	B	L	7.3	A	49
						T	12.6	B	436
			WB Old Bridge Rd	4.1	A	L	6.2	A	m2
						T	4.5	A	87
						R	0.4	A	0
			NB Rockwood Ln	35.3	D	T	35.3	D	23
			SB Westridge Dr	42.2	D	T	69.8	E	174
						R	23.9	C	142
Old Bridge Rd & Titania Way & Touchstone Cir (58)	6.0	A	EB Old Bridge Rd	1.3	A	L	0.9	A	m2
						T	1.3	A	24
						R	0.0	A	m0
			WB Old Bridge Rd	5.7	A	L	1.8	A	m3
						T	6.0	A	223

	WEEKEND AM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						R	0.6	A	2
			NB Titania Way	46.6	D	T	46.6	D	65
			SB Touchstone Cir	61.2	E	T	76.4	E	80
						R	0.5	A	0
Old Bridge Rd & Troupe St & Glen Shopping Ctr (59)	12.0	B	EB Old Bridge Rd	14.7	B	L	61.5	E	36
						T	14.8	B	353
						R	0.3	A	2.0
			WB Old Bridge Rd	5.5	A	L	91.4	F	69
						T	2.9	A	51
						R	0.2	A	0
			NB Troupe St	34.1	C	T	66.1	E	88
						R	2.0	A	0
			SB Glen Shopping Ctr	31.6	C	T	64.2	E	66
						R	1.4	A	0
Prince William Pkwy & Old Bridge Rd & Touchstone Cir (65)	31.3	C	EB Prince William Pkwy	21.9	C	L	70.8	E	130
						T	37.2	D	376
						R	1.2	A	0
			WB Old Bridge Rd	39.4	D	L	67.0	E	157
						T	29.4	C	201
			NB Prince William Pwky	39.9	D	L	48.7	D	221
						T	51.5	D	256
						R	14.9	B	129
			SB Touchstone Cir	36.1	D	L	66.4	E	65
						T	63.9	E	62
						R	3.2	A	12
Old Bridge Rd EB & Colby Dr (480)	28.5	C	EB Old Bridge Rd	25.9	C	L	163.0	F	m37
						T	21.4	C	m637
						R	2.4	A	m4
			NB Colby Dr	45.9	D	T	56.4	E	167
						R	0.6	A	0
			SB Colby Dr	41.1	D	T	41.1	D	65

	WEEKEND PM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Old Bridge Rd & Gordon Blvd (32)	19.8	B	EB Old Bridge Rd	11.4	B	L	20.5	C	51
						R	6.1	A	22
			NB Gordon Blvd	21.0	C	L	34.6	C	161
						T	4.7	A	38
			SB Gordon Blvd	25.1	C	T	32.6	C	139
						R	12.6	B	370
Old Bridge Rd & Commuter Lot & Ent (40)	3.9	A	EB Old Bridge Rd	1.0	A	L	0.5	A	m0
						T	1.0	A	15
			WB Old Bridge Rd	5.2	A	L	2.3	A	m17
						T	5.3	A	335
			NB Commuter Lot	48.9	D	L	55.1	E	22
						T	42.8	D	19
Old Bridge Rd & Occoquan Rd (41)	18.0	B	EB Old Bridge Rd	8.5	A	L	82.8	F	98
						T	4.6	A	88
			WB Old Bridge Rd	15.3	B	L	89.3	F	135
						T	10.1	B	89
			NB Occoquan Rd	47.7	D	L	57.2	E	123
						T	52.0	D	84
Old Bridge Rd & Elysian Dr (42)	2.8	A	EB Old Bridge Rd	1.1	A	L	72.6	E	m16
						T	0.7	A	1
			WB Old Bridge Rd	3.1	A	T	3.1	A	174
						L	59.5	E	51
			SB Elysian Dr	55.5	E	R	27.5	C	10
						L	3.6	A	m4
Old Bridge Rd & Rolling Brook Dr & Vantage View Ln (43)	8.0	A	EB Old Bridge Rd	3.9	A	T	3.9	A	78
						L	7.6	A	52
			WB Old Bridge Rd	8.6	A	T	8.7	A	361
						R	0.0	A	m0
						L	62.3	E	69
			NB Rolling Brook Dr	54.1	D	T	62.1	E	69
						R	0.2	A	0
						T	56.2	E	23
			SB Vantage View Dr	37.6	D	R	0.2	A	0
						L	80.9	F	m67
Old Bridge Rd &	6.1	A	EB Old Bridge	3.3	A	L	80.9	F	m67

	WEEKEND PM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Clipper Dr (44)			Rd			T	0.6	A	2
			WB Old Bridge Rd	3.9	A	L	59.6	E	57
						T	2.9	A	1
			NB Clipper Dr	41.9	D	T	59.3	E	77
						R	1.0	A	0
			SB Clipper Dr	41.9	D	L	65.2	E	96
						T	17.2	B	44
Old Bridge Rd & Minnieville Rd & Lake Ridge Dr (45)	21.2	C	EB Old Bridge Rd	7.7	A	L	69.5	E	m7
						T	9.1	A	81
						R	0.2	A	0
			WB Old Bridge Rd	29.3	C	L	49.5	D	#282
						T	20.0	B	367
			NB Minneville Rd	26.3	C	L	59.8	E	185
						T	59.3	E	185
						R	1.1	A	40
			SB Lake Ridge Dr	46.8	D	T	46.8	D	32
Old Bridge Rd & Lake Ridge SC & Harbor Dr (47)	18.6	B	EB Old Bridge Rd	12.8	B	L	7.9	A	m14
						T	14.4	B	m418
						R	0.4	A	m0
			WB Old Bridge Rd	15.1	B	L	23.0	C	90
						T	14.2	B	74
			NB Lake Ridge SC	45.4	D	T	72.2	E	#273
						R	4.9	A	34
			SB Harbor Dr	38.9	D	L	60.0	E	71
						T	23.4	C	48
Old Bridge Rd WB & Colby Dr (48)	13.4	B	WB Old Bridge Rd	12.4	B	L	46.7	D	m418
						T	11.9	B	285
						R	2.9	A	m4
			NB Colby Dr	19.1	B	T	19.1	B	21
			SB Colby Dr	23.5	C	T	42.6	D	66
						R	0.6	A	0
Old Bridge Rd & Oakwood Dr (49)	12.4	B	EB Old Bridge Rd	10.0	B	L	57.6	E	m29
						T	9.7	A	263

	WEEKEND PM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	11.0	B	R	0.5	A	3
						L	70.4	E	116
						T	7.7	A	347
						R	0.4	A	4
			NB Oakwood Dr	19.2	B	T	54.0	D	41
						R	10.1	B	33
			SB Oakwood Dr	61.3	E	T	68.1	E	107
						R	0.2	A	0
Old Bridge Rd & Woodbridge HS & Antietam Rd (50)	10.2	B	EB Old Bridge Rd	6.9	A	L	6.3	A	21
						T	7.0	A	161
						R	0.0	A	m0
			WB Old Bridge Rd	10.6	B	L	7.0	A	m5
						T	11.6	B	228
						R	0.2	A	0
			NB Woodbridge HS	29.4	C	T	58.6	E	24
						R	0.1	A	0
			SB Antietam Rd	34.8	C	L	64.9	E	60
						T	64.7	E	60
						R	1.5	A	0
Old Bridge Rd & Old Bridge Elem School & Mohican Rd (51)	13.1	B	EB Old Bridge Rd	21.0	C	L	13.4	B	92.0
						T	21.9	C	465
						R	0.0	A	m0
			WB Old Bridge Rd	2.2	A	L	1.4	A	m1
						T	2.6	A	24
						R	0.4	A	0
			NB Old Bridge Elem Schol	39.7	D	L	59.5	E	16
						T	59.2	E	16
						R	0.2	A	0
			SB Mohican Rd	40.2	D	L	66.4	E	85
						T	66.2	E	85
						R	1.5	A	3
Old Bridge Rd & Cavalier Dr & All Saints PI (52)	6.3	A	EB Old Bridge Rd	4.0	A	L	2.2	A	6
						T	4.2	A	110
						R	0.2	A	1

	WEEKEND PM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	3.9	A	L	1.6	A	2
						T	4.2	A	18
						R	0.1	A	m1
			NB Cavalier Dr	32.3	C	T	71.3	E	92
						R	7.2	A	22
			SB All Saints Pl	32.3	C	T	59.3	E	53
						R	0.9	A	0
Old Bridge Rd & Hedges Run Dr (53)	14.6	B	EB Old Bridge Rd	17.3	B	L	12.2	B	94
						T	18.2	B	375
						R	0.0	A	m0
			WB Old Bridge Rd	5.8	A	L	3.5	A	m5
						T	6.5	A	65
						R	0.2	A	0
			NB Hedges Run Dr	46.4	D	L	55.1	E	37
						T	37.7	D	30
			SB Hedges Run Dr	38.4	D	L	66.2	E	107
						T	66.3	E	110
						R	2.7	A	0
Old Bridge Rd & Cricket Ln & Dillingham Sq (54)	6.9	A	EB Old Bridge Rd	5.9	A	L	5.0	A	37
						T	6.1	A	148
						R	0.0	A	m0
			WB Old Bridge Rd	3.5	A	L	0.6	A	m1
						T	3.9	A	17
						R	0.4	A	0
			NB Cricket Ln	32.5	C	L	54.5	D	29
						T	23.7	C	33
			SB Dillingham Sq	31.9	C	T	67.2	E	84
						R	13.5	B	46
Old Bridge Rd & Smoketown Rd (55)	25.1	C	EB Old Bridge Rd	24.9	C	L	74.4	E	191
						T	21.9	C	339
						R	2.7	A	20
			WB Old Bridge Rd	17.0	B	L	102.0	F	155

	WEEKEND PM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						T	8.5	A	342
						R	0.3	A	3
						L	67.7	E	158
			NB Smoketown Rd	47.2	D	T	66.9	E	161
						R	5.5	A	32
						L	63.7	E	64
			SB Smoketown Rd	31.1	C	T	59.8	E	51
						R	9.9	A	62
Old Bridge Rd & Nursery Entrance & Springwoods Dr (56)	13.3	B	EB Old Bridge Rd	5.6	A	L	4.4	A	12
						T	5.7	A	170
						R	0.0	A	m0
			WB Old Bridge Rd	8.7	A	L	6.9	A	m4
						T	10.7	B	135
						R	1.2	A	11
			NB Nursery Entrance	46.3	D	T	46.3	D	27
			SB Springwoods Dr	45.1	D	L	69.3	E	180
						T	68.4	E	176
						R	6.5	A	51
Old Bridge Rd & Rockwood Ln & Westridge Dr (57)	6.3	A	EB Old Bridge Rd	3.4	A	L	4.2	A	48
						T	3.3	A	158
			WB Old Bridge Rd	3.3	A	L	3.0	A	m1
						T	4.2	A	39
						R	1.3	A	0
			NB Rockwood Ln	40.2	D	T	40.2	D	25
			SB Westridge Dr	34.0	C	T	69.9	E	119
						R	12.4	B	69
Old Bridge Rd & Titania Way & Touchstone Cir (58)	9.6	A	EB Old Bridge Rd	3.8	A	L	3.1	A	12
						T	3.9	A	73
						R	0.0	A	m0
			WB Old Bridge Rd	6.9	A	L	3.1	A	5
						T	7.6	A	280

	WEEKEND PM HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						R	1.7	A	21
			NB Titania Way	31.5	C	T	31.5	C	43
			SB Touchstone Cir	57.5	E	T	77.6	E	162
						R	1.0	A	0
Old Bridge Rd & Troupe St & Glen Shopping Ctr (59)	7.6	A	EB Old Bridge Rd	7.9	A	L	61.6	E	m62
						T	5.7	A	135
						R	0.0	A	m0
			WB Old Bridge Rd	2.9	A	L	84.2	F	m10
						T	2.8	A	32
						R	0.1	A	0
			NB Troupe St	23	C	T	63.2	E	52
						R	2.1	A	0
			SB Glen Shopping Ctr	25.3	C	T	65.4	E	80
						R	8.4	A	24
Prince William Pkwy & Old Bridge Rd & Touchstone Cir (65)	39.9	D	EB Prince William Pkwy	20.6	C	L	85.0	F	#145
						T	25.6	C	372
						R	8.0	A	405
			WB Old Bridge Rd	32.7	C	L	88.3	F	158
						T	10.3	B	47
			NB Prince William Pkwy	66.5	E	L	74.8	E	#522
						T	84.4	F	#605
						R	10.4	B	108
			SB Touchstone Cir	41.8	D	L	67.7	E	88
						T	61.8	E	72
						R	5.6	A	21
Old Bridge Rd EB & Colby Dr (480)	24.4	C	EB Old Bridge Rd	14.1	B	L	11.8	B	13
						T	14.8	B	356
						R	1.7	A	13
			NB Colby Dr	26.8	C	T	43.8	D	96
						R	0.8	A	0
			SB Colby Dr	192.9	F	T	192.9	F	#137

	SATURDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Old Bridge Rd & Gordon Blvd (32)	27.6	C	EB Old Bridge Rd	29.8	C	L	41.4	D	#457
						R	16.7	C	581
			NB Gordon Blvd	25.8	C	L	43.1	D	146
						T	7.4	A	26
			SB Gordon Blvd	27.3	C	T	35.8	D	270
						R	9.9	A	434
Old Bridge Rd & Commuter Lot & Ent (40)	5.2	A	EB Old Bridge Rd	0.8	A	L	0.6	A	m1
						T	0.8	A	27
			WB Old Bridge Rd	8.6	A	L	6.6	A	m15
						T	8.8	A	369
			NB Commuter Lot	51.9	D	L	70.5	E	45
						T	34.2	C	31
Old Bridge Rd & Occoquan Rd (41)	22.7	C	EB Old Bridge Rd	14.7	B	L	107.8	F	179
						T	9.3	A	26
			WB Old Bridge Rd	17.0	B	L	106.4	F	143
						T	11.5	B	94
			NB Occoquan Rd	56.3	E	L	71.9	E	242
						T	52.0	D	41
Old Bridge Rd & Elysian Dr (42)	6.1	A	EB Old Bridge Rd	6.7	A	L	86.1	F	m61
						T	4.6	A	334
			WB Old Bridge Rd	3.8	A	T	3.8	A	197
						L	72.4	E	68
			SB Elysian Dr	56.3	E	R	18.8	B	20
						L	3.5	A	m3
Old Bridge Rd & Rolling Brook Dr & Vantage View Ln (43)	15.4	B	EB Old Bridge Rd	5.1	A	T	5.2	A	103
						L	41.6	D	70
			WB Old Bridge Rd	19.4	B	T	18.4	B	563
						R	0.0	A	m0
						L	76.2	E	94
			NB Rolling Brook Dr	66.5	E	T	76.0	E	94
						R	0.3	A	0
						T	96.1	F	#207
			SB Vantage View Dr	88.0	F	R	0.3	A	0
						L	94.7	F	m0
Old Bridge Rd & Clipper Dr (44)	5.6	A	EB Old Bridge Rd	2.7	A	L	94.7	F	m0

	SATURDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build			Move-ment	No Build	
						T	0.8	A	21
			WB Old Bridge Rd	2.0	A	L	73.1	E	m53
						T	0.9	A	4
			NB Clipper Dr	63.0	E	T	81.8	F	134
						R	1.2	A	0
			SB Clipper Dr	50.4	D	L	71.0	E	106
T	25.3	C				53			
Old Bridge Rd & Minnieville Rd & Lake Ridge Dr (45)	33.7	C	EB Old Bridge Rd	22.5	C	L	87.0	F	m3
						T	26.5	C	#683
						R	0.1	A	0
			WB Old Bridge Rd	38.5	D	L	56.9	E	#398
						T	27.1	C	391
			NB Minneville Rd	37.3	D	L	97.6	F	#300
						T	99.0	F	#309
						R	13.6	B	578
SB Lake Ridge Dr	75.1	E	T	75.1	E	121			
Old Bridge Rd & Lake Ridge SC & Harbor Dr (47)	21.3	C	EB Old Bridge Rd	17.9	B	L	11.5	B	m24
						T	20.4	C	m245
						R	0.3	A	m4
			WB Old Bridge Rd	16.1	B	L	30.9	C	m114
						T	14.2	B	127
			NB Lake Ridge SC	44.1	D	T	75.1	E	212
						R	8.6	A	49
			SB Harbor Dr	46.6	D	L	74.0	E	117
T	30.1	C				93			
Old Bridge Rd WB & Colby Dr (48)	15.0	B	WB Old Bridge Rd	7.3	A	L	85.4	F	m70
						T	5.1	A	92
						R	0.0	A	m0
			NB Colby Dr	119.8	F	T	119.8	F	85
			SB Colby Dr	37.4	D	T	58.6	E	63
						R	0.4	A	0
Old Bridge Rd & Oakwood Dr (49)	32.0	C	EB Old Bridge Rd	34.7	C	L	80.1	F	95
						T	34.3	C	671

	SATURDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	24.6	C	R	6.7	A	38
						L	85.9	F	206
						T	18.5	B	465
						R	2.4	A	20
			NB Oakwood Dr	12.9	B	T	47.7	D	46
						R	4.2	A	24
			SB Oakwood Dr	68.5	E	T	79.9	E	277
						R	0.4	A	0
Old Bridge Rd & Woodbridge HS & Antietam Rd (50)	10.4	B	EB Old Bridge Rd	7.4	A	L	6.4	A	35
						T	7.7	A	160
						R	0.1	A	0
			WB Old Bridge Rd	6.7	A	L	1.9	A	m3
						T	7.7	A	418
						R	2.0	A	39
			NB Woodbridge HS	44.5	D	T	71.0	E	56
						R	0.4	A	0
			SB Antietam Rd	40.5	D	L	79.3	E	100
						T	79.2	E	100
						R	8.3	A	21
Old Bridge Rd & Old Bridge Elem School & Mohican Rd (51)	10.8	B	EB Old Bridge Rd	8.3	A	L	7.4	A	53.0
						T	8.5	A	230
						R	0.0	A	m0
			WB Old Bridge Rd	4.7	A	L	3.9	A	m4
						T	5.7	A	77
						R	0.4	A	1
			NB Old Bridge Elem Schol	47.5	D	L	71.3	E	31
						T	70.9	E	31
						R	0.4	A	0
			SB Mohican Rd	47	D	L	80.3	F	117
						T	79.8	E	117
						R	9.6	A	52
Old Bridge Rd & Cavalier Dr & All Saints Pl (52)	6.0	A	EB Old Bridge Rd	4.8	A	L	2.5	A	m53
						T	5.2	A	82
						R	0.6	A	6

	SATURDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	1.4	A	L	1.8	A	7
						T	1.4	A	39
						R	0.1	A	0
			NB Cavalier Dr	47.0	D	T	84.6	F	112
						R	2.4	A	0
			SB All Saints Pl	42.2	D	T	67.2	E	54
						R	0.6	A	0
Old Bridge Rd & Hedges Run Dr (53)	26.6	C	EB Old Bridge Rd	18.4	B	L	10.6	B	70
						T	20.3	C	665
						R	0.1	A	m114
			WB Old Bridge Rd	26.1	C	L	22.2	C	102
						T	29.2	C	318
						R	6.6	A	45
			NB Hedges Run Dr	64.4	E	L	67.6	E	71
						T	62.8	E	109
			SB Hedges Run Dr	43.8	D	L	79.6	E	161
						T	78.9	E	163
						R	15.4	B	84
Old Bridge Rd & Cricket Ln & Dillingham Sq (54)	16.0	B	EB Old Bridge Rd	5.7	A	L	6.9	A	m43
						T	5.7	A	168
						R	0.1	A	m0
			WB Old Bridge Rd	22.6	C	L	9.3	A	m24
						T	25.1	C	470
						R	11.1	B	116
			NB Cricket Ln	38.1	D	L	61.6	E	72
						T	20.3	C	47
			SB Dillingham Sq	32.5	C	T	80.3	F	156
Old Bridge Rd & Smoketown Rd (55)	45.4	D	EB Old Bridge Rd	39.8	D	L	98.5	F	#407
						T	32.4	C	#548
						R	2.8	A	30
			WB Old Bridge Rd	46.8	D	L	118.0	F	#322

	SATURDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						T	32.2	C	549
						R	0.6	A	1
						L	81.1	F	295
			NB Smoketown Rd	54.1	D	T	79.9	E	300
						R	15.3	B	127
						L	68.0	E	131
			SB Smoketown Rd	47.4	D	T	64.0	E	105
						R	36.7	D	348
Old Bridge Rd & Nursery Entrance & Springwoods Dr (56)	22.0	C	EB Old Bridge Rd	12.6	B	L	6.1	A	26
						T	13.4	B	183
						R	0.0	A	m0
			WB Old Bridge Rd	17.7	B	L	42.5	D	m227
						T	17.8	B	274
						R	2.0	A	24
			NB Nursery Entrance	58.2	E	T	58.2	E	41
			SB Springwoods Dr	58.0	E	L	81.1	F	258
						T	82.1	F	265
						R	6.5	A	53
Old Bridge Rd & Rockwood Ln & Westridge Dr (57)	14.0	B	EB Old Bridge Rd	12.6	B	L	13.4	B	133
						T	12.5	B	606
			WB Old Bridge Rd	3.3	A	L	3.5	A	m114
						T	3.8	A	58
						R	0.4	A	0
			NB Rockwood Ln	40.1	D	T	40.1	D	26
			SB Westridge Dr	54.8	D	T	81.9	F	211
						R	35.0	C	178
Old Bridge Rd & Titania Way & Touchstone Cir (58)	10.0	B	EB Old Bridge Rd	3.5	A	L	2.6	A	m8
						T	3.6	A	87
						R	0.0	A	m0
			WB Old Bridge Rd	7.5	A	L	3.0	A	m4
						T	8.1	A	397
						R	1.5	A	23

	SATURDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			NB Titania Way	38.7	D	T	38.7	D	55
			SB Touchstone Cir	65.0	E	T	89.1	F	208
						R	1.3	A	2
Old Bridge Rd & Troupe St & Glen Shopping Ctr (59)	16.8	B	EB Old Bridge Rd	15.0	B	L	78.2	E	m86
						T	12.8	B	248
						R	1.4	A	m6
			WB Old Bridge Rd	9.9	A	L	104.0	F	90
						T	7.6	A	83
						R	0.3	A	0
			NB Troupe St	42.4	D	T	80.7	F	190
						R	13.9	B	71
			SB Glen Shopping Ctr	40.1	D	T	77.9	E	100
						R	2.3	A	0
Prince William Pkwy & Old Bridge Rd & Touchstone Cir (65)	37.8	D	EB Prince William Pkwy	27.1	C	L	105.2	F	#231
						T	33.3	C	#590
						R	11.5	B	526
			WB Old Bridge Rd	40.3	D	L	95.3	F	228
						T	12.5	B	103
			NB Prince William Pwky	53.7	D	L	63.9	E	334
						T	71.5	E	393
						R	13.6	B	133
			SB Touchstone Cir	47.4	D	L	77.5	E	100
						T	72.6	E	90
						R	12.3	B	47
Old Bridge Rd EB & Colby Dr (480)	27.2	C	EB Old Bridge Rd	12.9	B	L	9.5	A	33
						T	13.4	B	433
						R	1.1	A	9
			NB Colby Dr	24.2	C	T	53.9	D	63
						R	1.0	A	0
			SB Colby Dr	324.1	F	T	324.1	F	#178

	SUNDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Old Bridge Rd & Gordon Blvd (32)	32.7	C	EB Old Bridge Rd	44.3	D	L	42.4	D	256
						R	45.3	D	483
			NB Gordon Blvd	30.0	C	L	49.0	D	238
						T	7.1	A	82
			SB Gordon Blvd	27.7	C	T	35.3	D	210
						R	11.8	B	107
Old Bridge Rd & Commuter Lot & Ent (40)	1.6	A	EB Old Bridge Rd	0.6	A	L	0.0	A	m0
						T	0.6	A	15
			WB Old Bridge Rd	1.6	A	L	2.8	A	m6
						T	1.5	A	117
			NB Commuter Lot	50.1	D	L	65.4	E	23
						T	39.4	D	21
Old Bridge Rd & Occoquan Rd (41)	28.4	C	EB Old Bridge Rd	21.3	C	L	103.7	F	121
						T	15.8	B	476
			WB Old Bridge Rd	21.8	C	L	88.2	F	189
						T	15.6	B	164
			NB Occoquan Rd	56.3	E	L	67.4	E	181
						T	52.8	D	35
Old Bridge Rd & Elysian Dr (42)	2.2	A	EB Old Bridge Rd	1.9	A	L	95.5	F	m23
						T	1.1	A	1
			WB Old Bridge Rd	1.9	A	T	1.9	A	111
						L	67.5	E	29
			SB Elysian Dr	48.1	D	R	26.4	C	17
						L	74.0	E	71
Old Bridge Rd & Rolling Brook Dr & Vantage View Ln (43)	6.0	A	EB Old Bridge Rd	3.0	A	L	2.0	A	4
						T	3.0	A	127
			WB Old Bridge Rd	5.5	A	L	6.6	A	23
						T	5.5	A	220
			NB Rolling Brook Dr	63.1	E	R	0.0	A	0
						L	74.0	E	71
			SB Vantage View Dr	53.3	D	T	73.8	E	71
						R	0.2	A	0
Old Bridge Rd &	7.9	A	EB Old Bridge	4.6	A	L	103.8	F	m74

	SUNDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
Clipper Dr (44)			Rd			T	1.4	A	2
			WB Old Bridge Rd	4.8	A	L	64.1	E	50
						T	3.8	A	105
			NB Clipper Dr	41.6	D	T	71.6	E	99
						R	11.6	B	32
			SB Clipper Dr	57.9	E	L	78.9	E	114
						T	26.3	C	49
Old Bridge Rd & Minnieville Rd & Lake Ridge Dr (45)	24.7	C	EB Old Bridge Rd	13.3	B	L	81.0	F	m12
						T	16.8	B	362
						R	0.2	A	0
			WB Old Bridge Rd	31.6	C	L	57.7	E	#394
						T	17.1	B	368
			NB Minneville Rd	26.5	C	L	64.0	E	237
						T	63.1	E	237
						R	1.6	A	75
			SB Lake Ridge Dr	57.2	E	T	57.2	E	95
Old Bridge Rd & Lake Ridge SC & Harbor Dr (47)	33.5	C	EB Old Bridge Rd	32.4	C	L	23.7	C	m88
						T	38.9	D	#634
						R	0.8	A	m6
			WB Old Bridge Rd	28.8	C	L	49.1	D	266
						T	24.5	C	176
			NB Lake Ridge SC	47.2	D	T	77.3	E	244
						R	6.0	A	39
			SB Harbor Dr	51.3	D	L	75.4	E	163
						T	22.6	C	71
Old Bridge Rd WB & Colby Dr (48)	8.7	A	WB Old Bridge Rd	7.3	A	L	94.2	F	m48
						T	5.7	A	91
						R	0.1	A	m0
			NB Colby Dr	24.1	C	T	24.1	C	30
			SB Colby Dr	18.8	B	T	47.1	D	42
						R	0.7	A	0
Old Bridge Rd & Oakwood Dr (49)	15.8	B	EB Old Bridge Rd	12.1	B	L	62.1	E	m35
						T	11.7	B	449

	SUNDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	13.7	B	R	3.2	A	16
						L	103.4	F	157
						T	6.9	A	671
						R	0.3	A	1
			NB Oakwood Dr	18.9	B	T	51.1	D	37
						R	12.3	B	47
			SB Oakwood Dr	65.7	E	T	76.7	E	171
						R	0.5	A	0
Old Bridge Rd & Woodbridge HS & Antietam Rd (50)	7.2	A	EB Old Bridge Rd	5.8	A	L	4.1	A	11
						T	5.9	A	98
						R	0.0	A	m0
			WB Old Bridge Rd	3.4	A	L	2.0	A	m0
						T	3.6	A	45
						R	0.1	A	0
			NB Woodbridge HS	42.2	D	T	63.2	E	17
						R	0.0	A	0
			SB Antietam Rd	43.5	D	L	73.3	E	94
						T	73.1	E	94
						R	2.3	A	0
Old Bridge Rd & Old Bridge Elem School & Mohican Rd (51)	12.4	B	EB Old Bridge Rd	13.3	B	L	8.9	A	69
						T	13.7	B	621
						R	0.0	A	m0
			WB Old Bridge Rd	5.4	A	L	7.0	A	m0
						T	6.3	A	118
						R	1.2	A	32
			NB Old Bridge Elem Schol	32.1	C	L	64.0	E	12
						T	64.0	E	12
						R	0.2	A	0
			SB Mohican Rd	49.2	D	L	74.1	E	113
						T	73.8	E	113
						R	3.0	A	14
Old Bridge Rd & Cavalier Dr & All Saints Pl (52)	9.7	A	EB Old Bridge Rd	7.4	A	L	4.1	A	m5
						T	7.4	A	217
						R	0.0	A	m0

	SUNDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			WB Old Bridge Rd	8.9	A	L	4.4	A	13
						T	9.4	A	276
						R	0.1	A	m1
			NB Cavalier Dr	34.4	C	T	76.4	E	90
						R	7.0	A	19
			SB All Saints Pl	23.2	C	T	60.5	E	31
						R	0.8	A	0
Old Bridge Rd & Hedges Run Dr (53)	16.8	B	EB Old Bridge Rd	9.3	A	L	17.6	B	115
						T	8.1	A	184
						R	0.0	A	m0
			WB Old Bridge Rd	17.1	B	L	5.4	A	m10
						T	18.8	B	562
						R	2.9	A	34
			NB Hedges Run Dr	32.3	C	L	59.5	E	16
						T	28.2	C	35
			SB Hedges Run Dr	42.6	D	L	72.9	E	132
						T	73.1	E	134
						R	7.8	A	30
Old Bridge Rd & Cricket Ln & Dillingham Sq (54)	7.4	A	EB Old Bridge Rd	3.1	A	L	4.6	A	12
						T	3.0	A	55
						R	0.0	A	m0
			WB Old Bridge Rd	2.8	A	L	1.5	A	m1
						T	3.1	A	62
						R	0.2	A	0
			NB Cricket Ln	39.5	D	L	52.2	D	46
						T	26.7	C	33
			SB Dillingham Sq	43.2	D	T	74.2	E	177
						R	11.2	B	56
Old Bridge Rd & Smoketown Rd (55)	34.3	C	EB Old Bridge Rd	20.2	C	L	79.9	E	189
						T	16.0	B	198
						R	2.5	A	24
			WB Old Bridge Rd	45.6	D	L	69.4	E	#202

	SUNDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
						T	44.2	D	533
						R	1.6	A	m88
						L	72.3	E	161
						T	72.6	E	165
			NB Smoketown Rd	45.5	D	R	6.0	A	38
						L	70.4	E	86
						T	64.2	E	63
						R	13.4	B	85
Old Bridge Rd & Nursery Entrance & Springwoods Dr (56)	16.3	B	EB Old Bridge Rd	9.1	A	L	11.9	B	55
						T	8.8	A	160
						R	0.0	A	m0
			WB Old Bridge Rd	10.9	B	L	7.0	A	m5
						T	13.3	B	194
						R	1.3	A	12
			NB Nursery Entrance	39.0	D	T	39.0	D	34
			SB Springwoods Dr	50.0	D	L	75.1	E	204
						T	74.1	E	201
						R	6.2	A	50
Old Bridge Rd & Rockwood Ln & Westridge Dr (57)	9.3	A	EB Old Bridge Rd	6.9	A	L	10.2	B	107
						T	6.4	A	361
			WB Old Bridge Rd	2.1	A	L	2.2	A	m1
						T	2.2	A	46
						R	0.1	A	0
			NB Rockwood Ln	43.2	D	T	43.2	D	16
			SB Westridge Dr	49.6	D	T	76.3	E	154
						R	31.8	C	140
Old Bridge Rd & Titania Way & Touchstone Cir (58)	10.7	B	EB Old Bridge Rd	8.2	A	L	6.8	A	16
						T	8.3	A	141
						R	0.0	A	m0
			WB Old Bridge Rd	3.7	A	L	2.1	A	m48
						T	4.0	A	101
						R	0.3	A	1

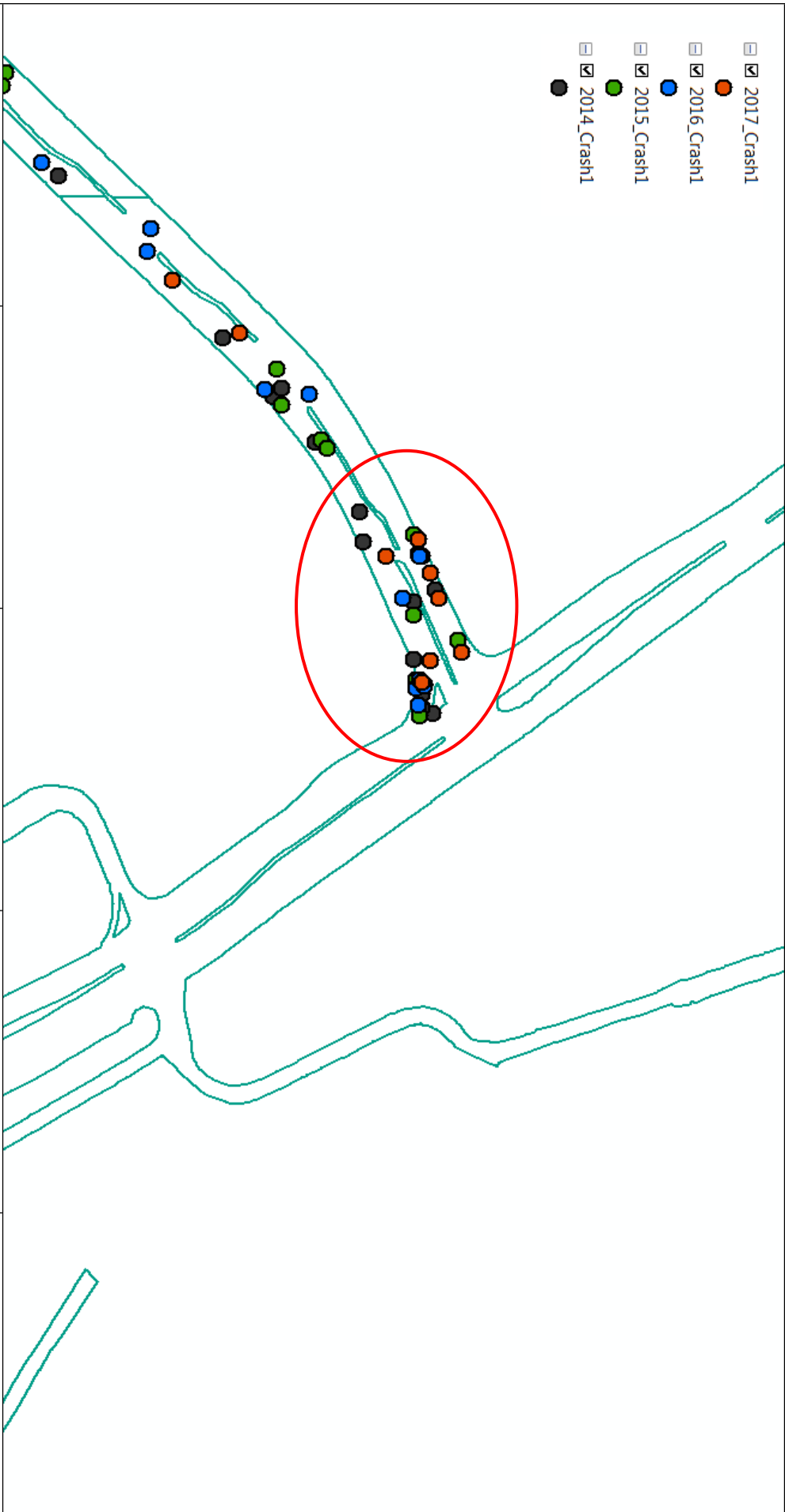
	SUNDAY PEAK HOUR								
	Results for Overall Intersection		Results by Approach			Results by Individual Movement			
	Delay (seconds)	LOS		Delay (seconds)	LOS		Total Delay (seconds)	LOS	Queue 95th %
Location	No Build		Approach	No Build		Move-ment	No Build		
			NB Titania Way	32	C	T	32.0	C	41
			SB Touchstone Cir	67.5	E	T	82.4	F	203
						R	0.6	A	0
Old Bridge Rd & Troupe St & Glen Shopping Ctr (59)	10.1	B	EB Old Bridge Rd	10.2	B	L	61.9	E	m31
						T	9.5	A	208
						R	1.3	A	m48
			WB Old Bridge Rd	5.1	A	L	92.1	F	m38
						T	4.1	A	50
						R	0.1	A	0
			NB Troupe St	29.6	C	T	71.5	E	85
						R	8.2	A	21
			SB Glen Shopping Ctr	40.6	D	T	72.8	E	91
						R	1.6	A	0
Prince William Pkwy & Old Bridge Rd & Touchstone Cir (65)	33.1	C	EB Prince William Pkwy	22.8	C	L	97.3	F	#182
						T	28.0	C	#522
						R	3.7	A	135
			WB Old Bridge Rd	34.6	C	L	82.3	F	206
						T	11.3	B	109
			NB Prince William Pwky	49.5	D	L	59.8	E	259
						T	66.3	E	297
						R	5.7	A	58
			SB Touchstone Cir	38.9	D	L	67.8	E	71
						T	67.7	E	82
						R	3.6	A	13
Old Bridge Rd EB & Colby Dr (480)	17.3	B	EB Old Bridge Rd	11.2	B	L	5.8	A	m10
						T	11.5	B	547
						R	1.0	A	m15
			NB Colby Dr	28.3	C	T	50.2	D	87
						R	1.0	A	1
			SB Colby Dr	170.1	F	T	170.1	F	#94

[illegible]

	R	161	0	12	4	0	0	1
S8 Colby Dr	T	#243	32	#265	125	65	#137	#94

Old Bridge Road and Gordon Boulevard

- ☒ 2017_Crash1
- ☐ 2017_Crash1
- ☒ 2016_Crash1
- ☐ 2016_Crash1
- ☒ 2015_Crash1
- ☐ 2015_Crash1
- ☒ 2014_Crash1
- ☐ 2014_Crash1



Total DMV Crash Data:

21 Total Crashes

3 Injuries

0 Fatalities

2017 DMV Crash Data:

4 Total Crashes

0 Injuries

0 Fatalities

2016 DMV Crash Data:

6 Total Crashes

5 Injuries

0 Fatalities

2015 DMV Crash Data:

6 Total Crashes

0 Injuries

0 Fatalities

2014 DMV Crash Data:

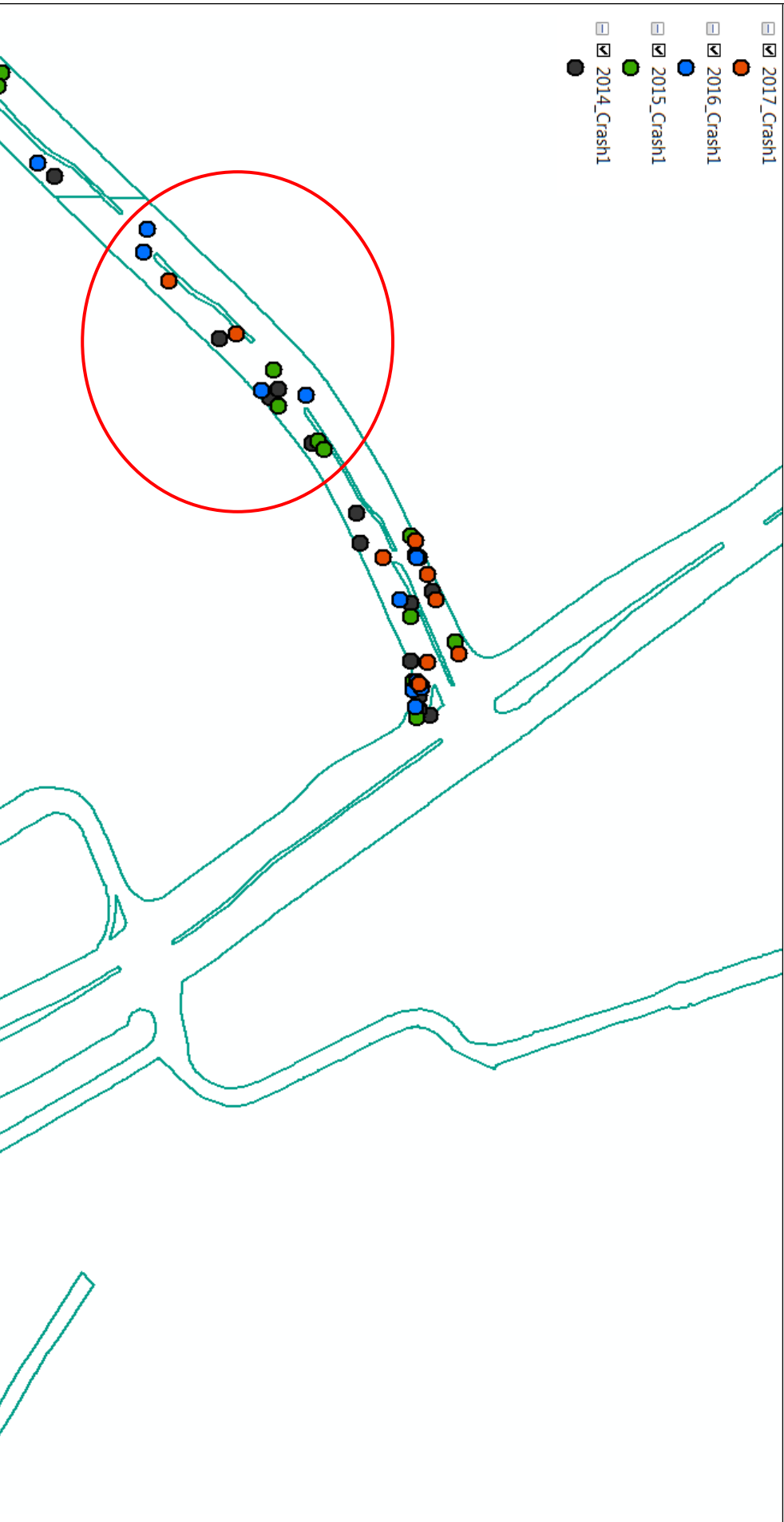
5 Total Crashes

3 Injuries

0 Fatalities

Old Bridge Road and Commuter Lot and Entrance

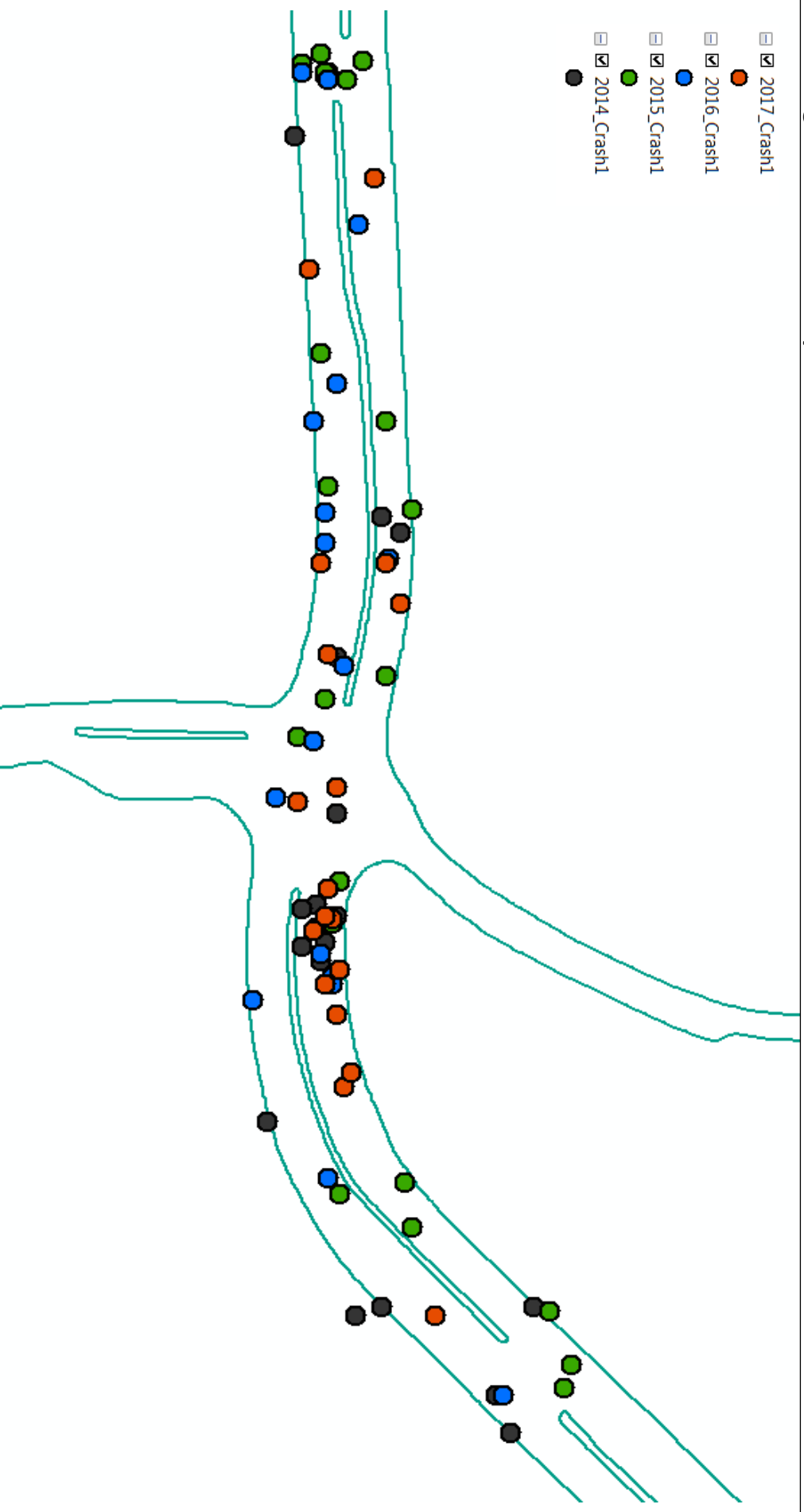
- ☒ 2017_Crash1
- ☐ 2016_Crash1
- ☒ 2015_Crash1
- ☐ 2014_Crash1



Total DMV Crash Data: 14 Total Crashes 0 Injuries 0 Fatalities	2017 DMV Crash Data: 3 Total Crashes 0 Injuries 0 Fatalities	2016 DMV Crash Data: 3 Total Crashes 0 Injuries 0 Fatalities	2015 DMV Crash Data: 4 Total Crashes 0 Injuries 0 Fatalities	2014 DMV Crash Data: 4 Total Crashes 0 Injuries 0 Fatalities
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Old Bridge Road and Occoquan Road

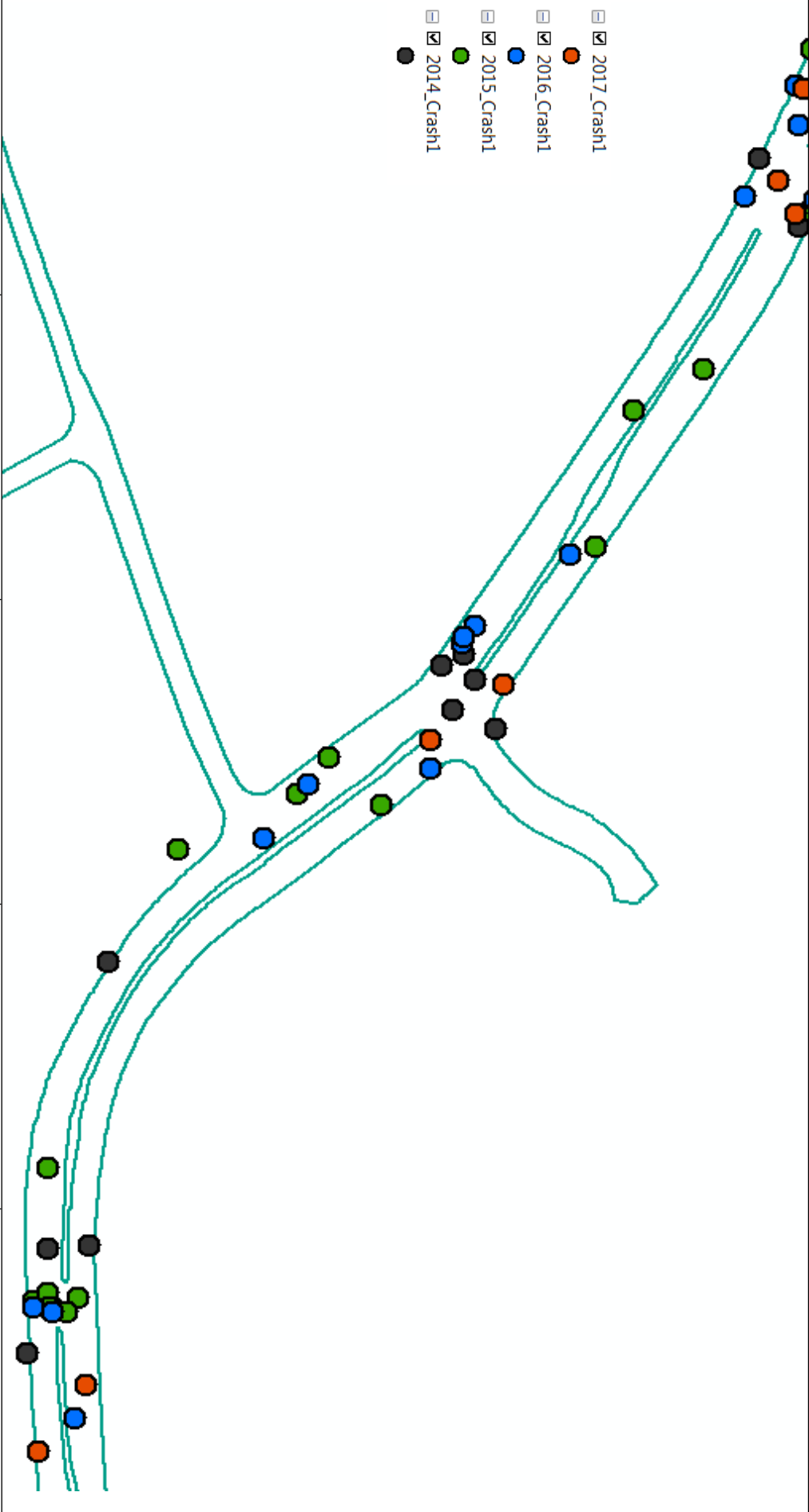
- ☒ 2017_Crash1
- ☐ 2017_Crash1
- ☒ 2016_Crash1
- ☐ 2016_Crash1
- ☒ 2015_Crash1
- ☐ 2015_Crash1
- ☒ 2014_Crash1
- ☐ 2014_Crash1



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
31 Total Crashes	11 Total Crashes	7 Total Crashes	6 Total Crashes	7 Total Crashes
21 Injuries	10 Injuries	0 Injuries	0 Injuries	11 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

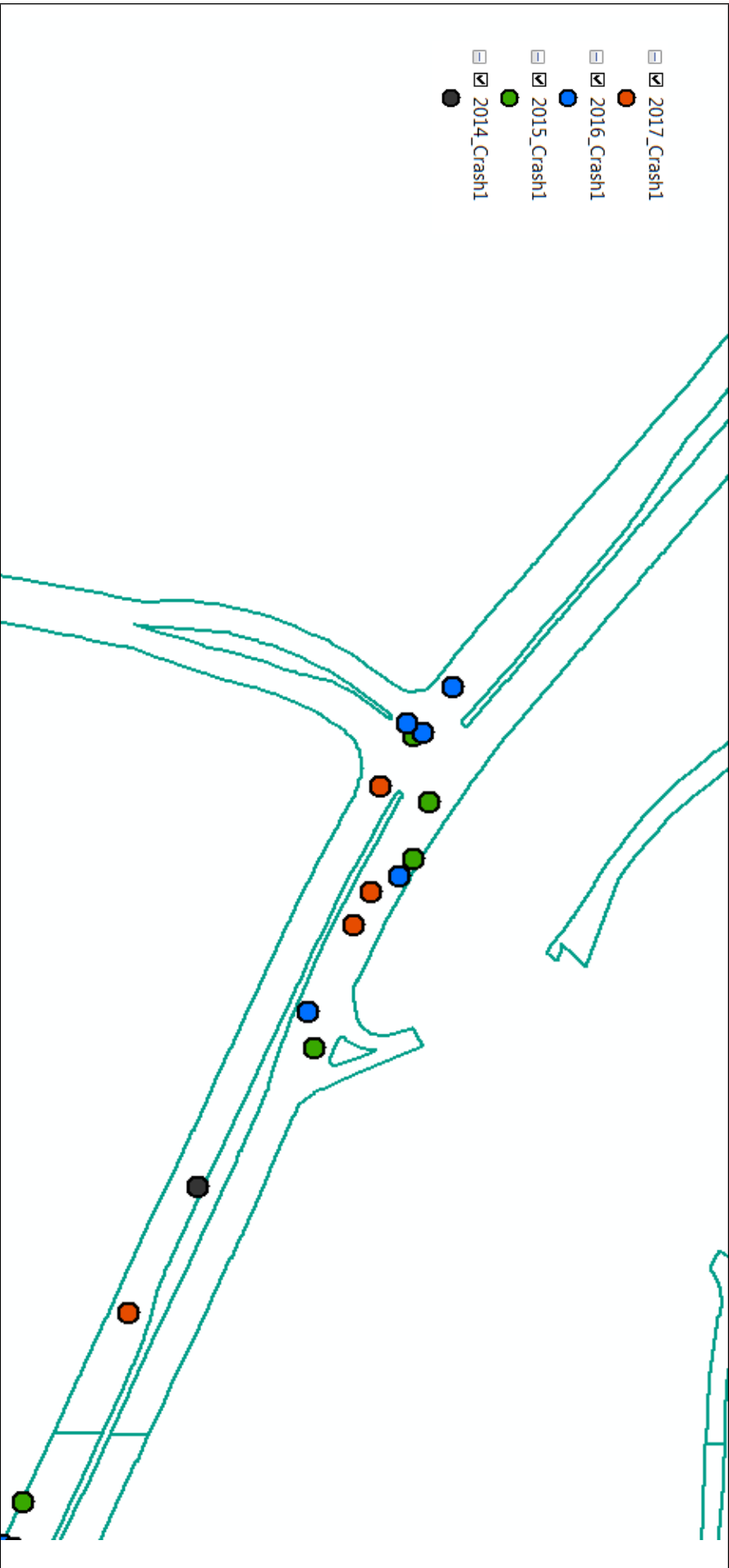
High number of crashes on the westbound approach possibly due to sight distance around curve

Old Bridge Road and Elysian Drive



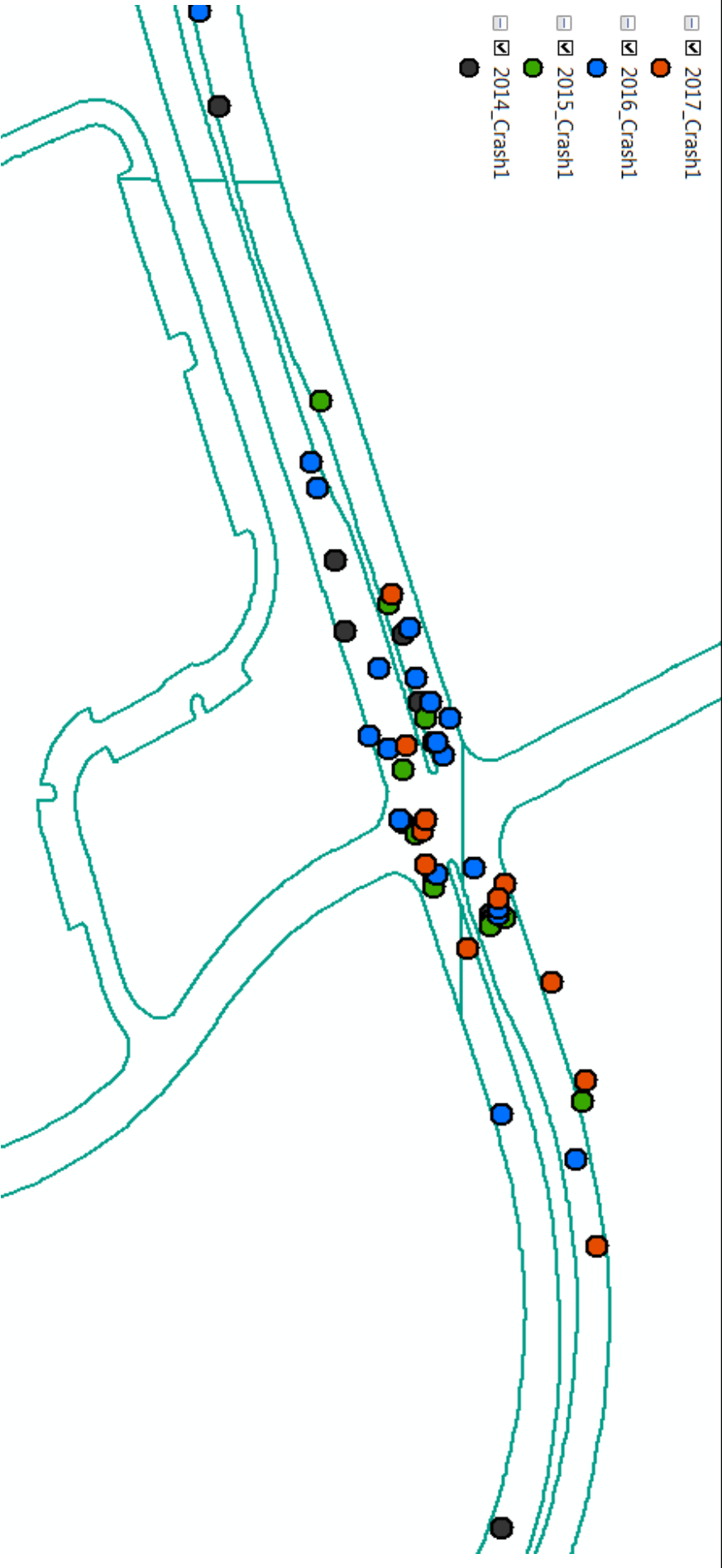
Total DMV Crash Data: 12 Total Crashes 3 Injuries 0 Fatalities	2017 DMV Crash Data: 2 Total Crashes 0 Injuries 0 Fatalities	2016 DMV Crash Data: 4 Total Crashes 0 Injuries 0 Fatalities	2015 DMV Crash Data: 1 Total Crashes 0 Injuries 0 Fatalities	2014 DMV Crash Data: 5 Total Crashes 3 Injuries 0 Fatalities
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Old Bridge Road and Rolling Brook Drive and Vantage View Lane



Crashes in center of intersection may be due to a sight distance issue from the steep slope coming from northbound Rolling Brook Road.

Old Bridge Road and Clipper Drive



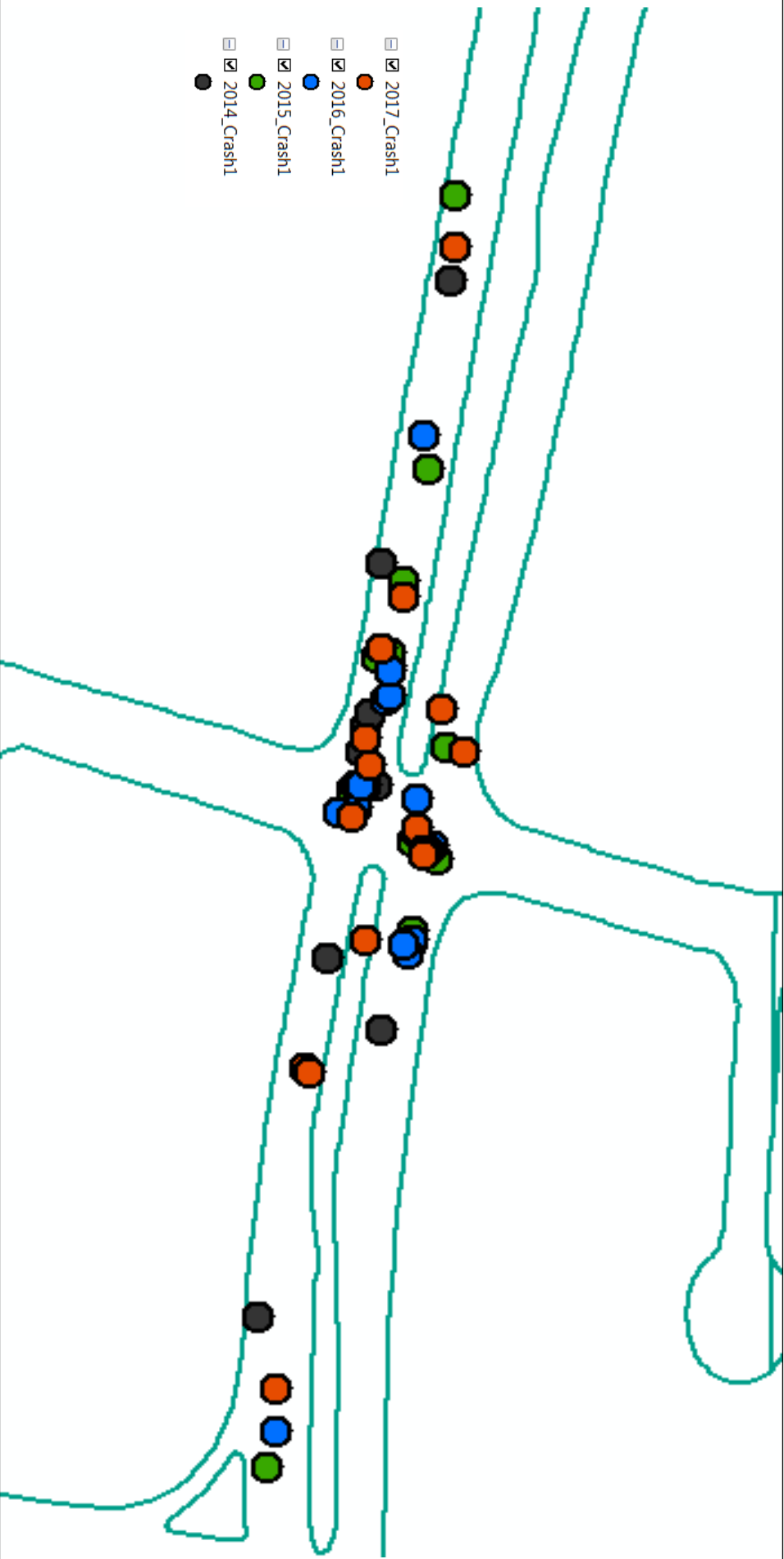
Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
27 Total Crashes	7 Total Crashes	11 Total Crashes	5 Total Crashes	4 Total Crashes
11 Injuries	0 Injuries	4 Injuries	4 Injuries	3 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

Old Bridge Road and Minnieville Road and Lake Ridge Drive



High number of crashes in the left turn lane; potentially put up barriers to separate the turn lane from the mainline to prevent weaving

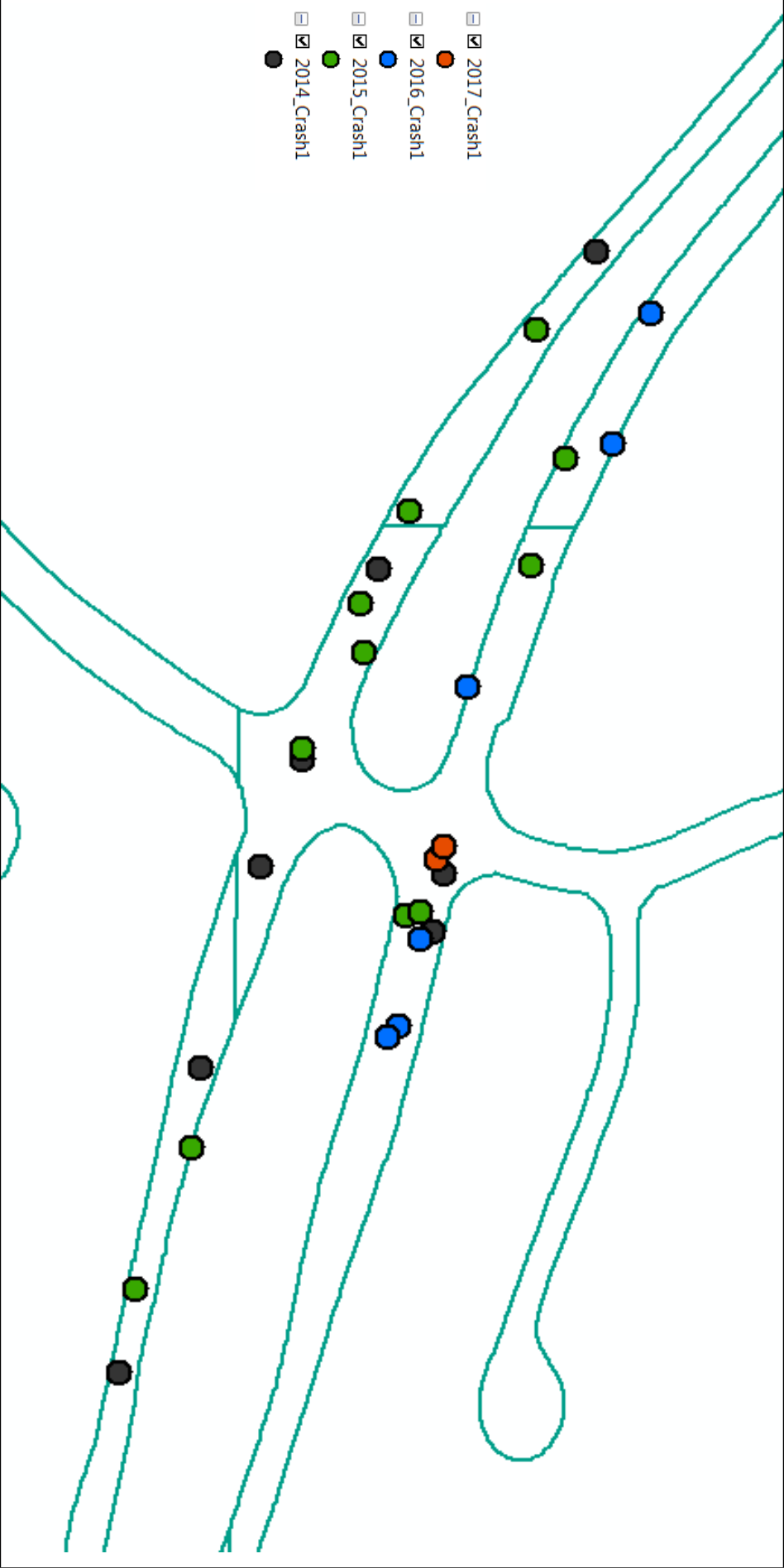
Old Bridge Road and Harbor Drive



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
43 Total Crashes	12 Total Crashes	13 Total Crashes	12 Total Crashes	6 Total Crashes
25 Injuries	9 Injuries	8 Injuries	4 Injuries	4 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

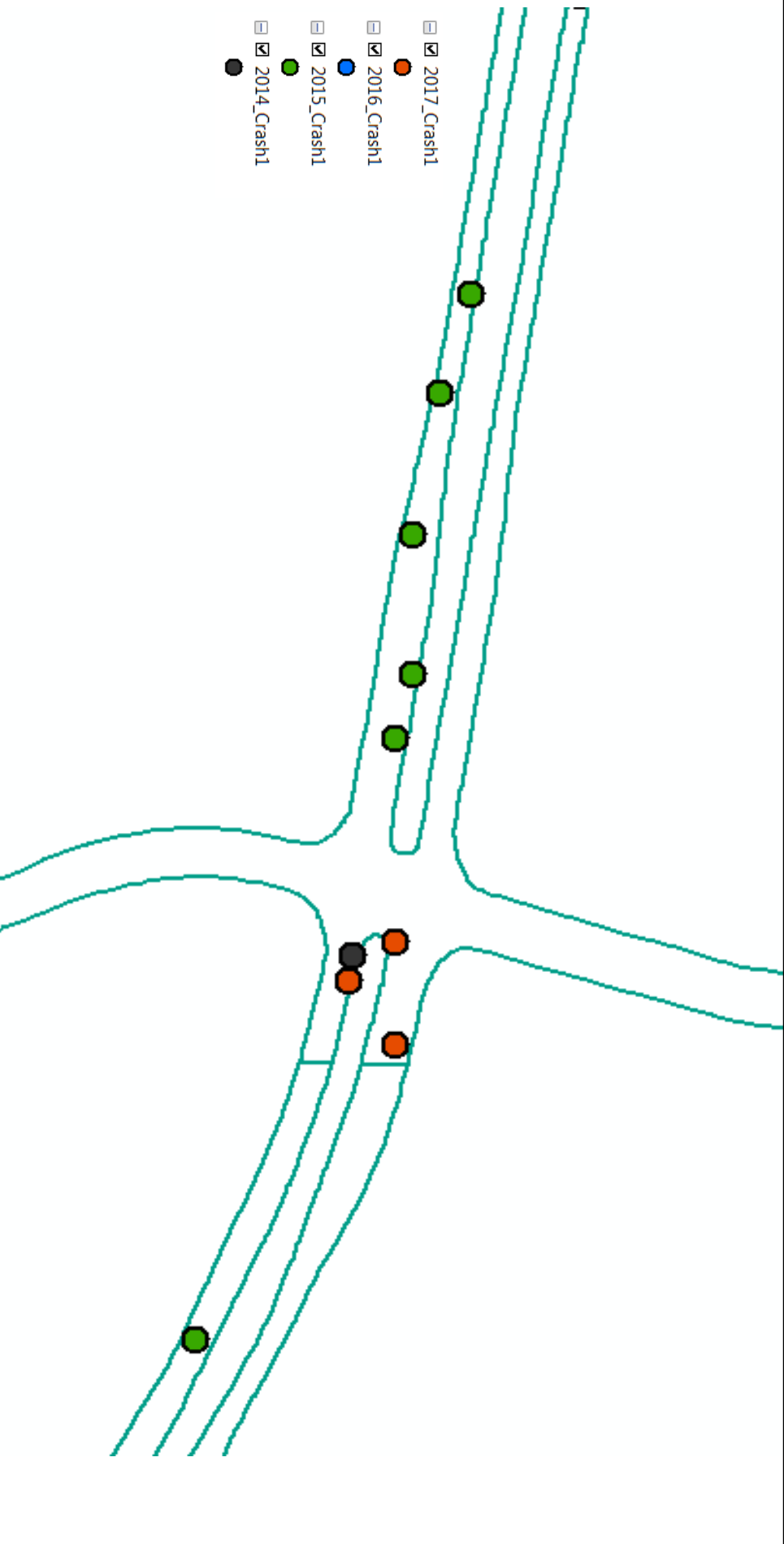
Sight distance issue on the eastbound approach due to crest; file down crest to improve sight distance

Old Bridge Road and Colby Drive



Total DMV Crash Data: 15 Total Crashes 7 Injuries 0 Fatalities	2017 DMV Crash Data: 2 Total Crashes 3 Injuries 0 Fatalities	2016 DMV Crash Data: 3 Total Crashes 0 Injuries 0 Fatalities	2015 DMV Crash Data: 6 Total Crashes 2 Injuries 0 Fatalities	2014 DMV Crash Data: 4 Total Crashes 2 Injuries 0 Fatalities
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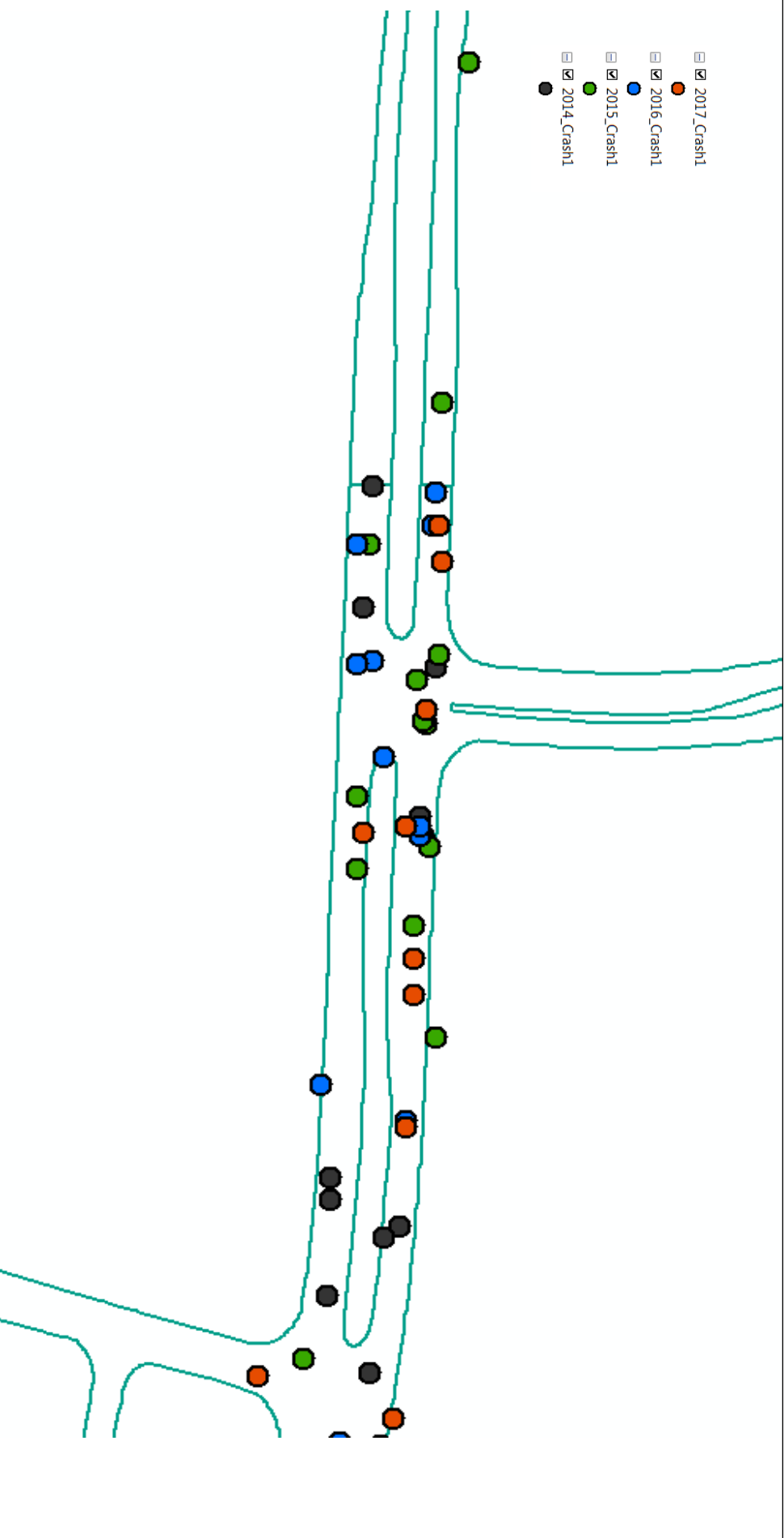
Old Bridge Road and Oakwood Drive



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
16 Total Crashes	5 Total Crashes	2 Total Crashes	5 Total Crashes	4 Total Crashes
3 Injuries	1 Injury	0 Injuries	2 Injuries	0 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

Old Bridge Road and Woodbridge High School and Antietam Road

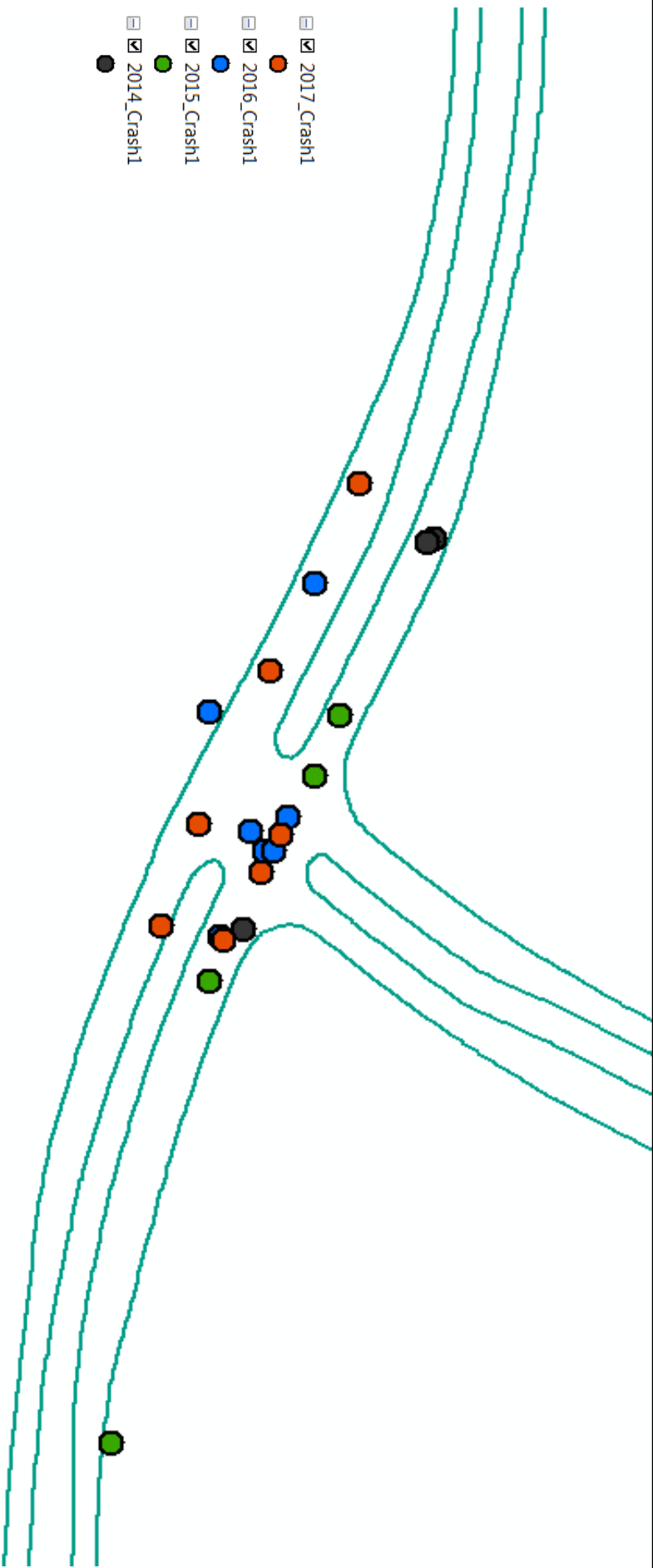
- ☐ 2017_Crash1
- ☒ 2016_Crash1
- ☐ 2015_Crash1
- ☒ 2014_Crash1



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
23 Total Crashes	5 Total Crashes	6 Total Crashes	8 Total Crashes	4 Total Crashes
18 Injuries	1 Injury	4 Injuries	6 Injuries	7 Injuries
1 Fatality	1 Fatality	0 Fatalities	0 Fatalities	0 Fatalities

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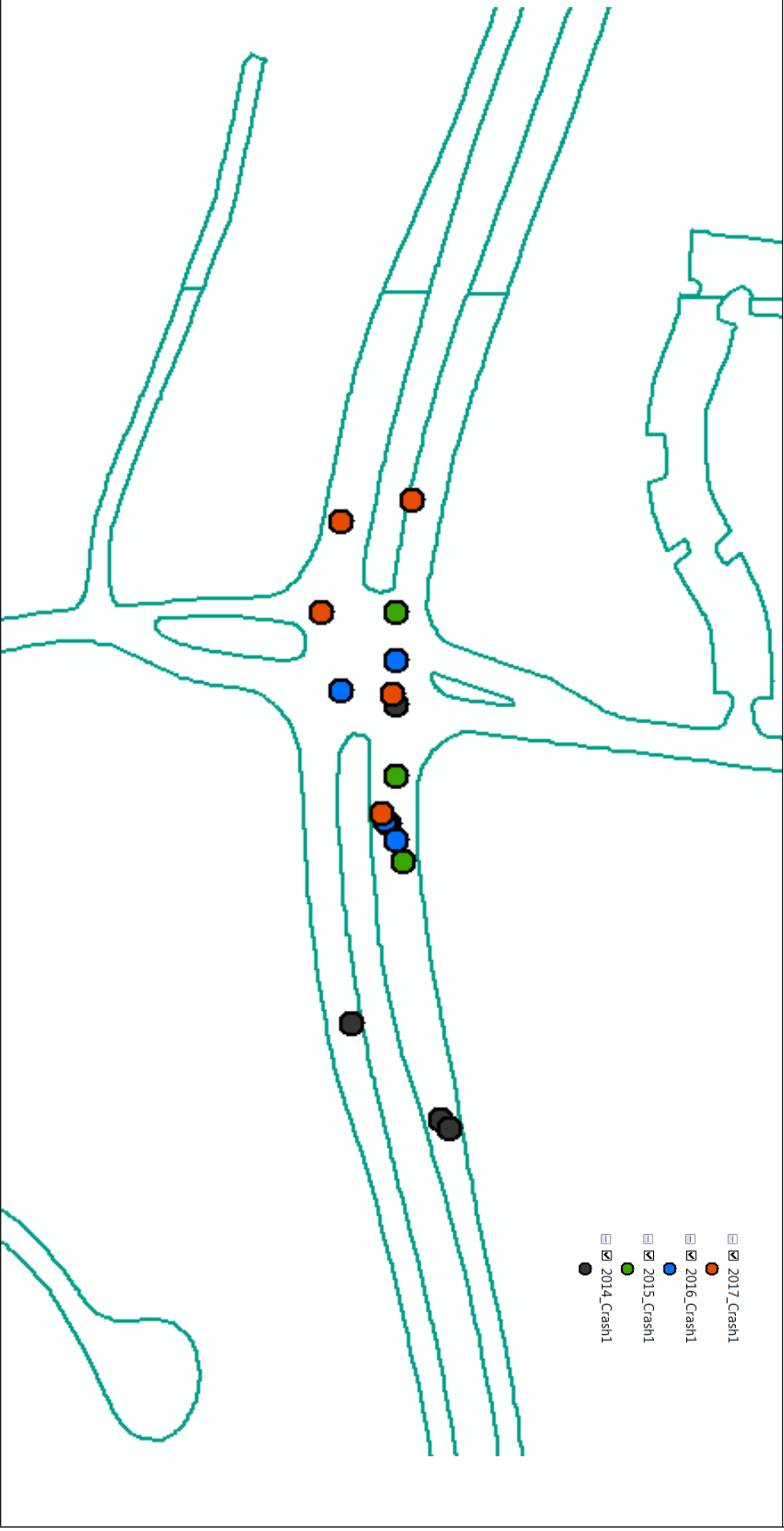
Old Bridge Road and Old Bridge Elementary School and Mohican Road



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
17 Total Crashes	5 Total Crashes	7 Total Crashes	4 Total Crashes	1 Total Crashes
8 Injuries	4 Injuries	4 Injuries	0 Injuries	0 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

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Old Bridge Road and Cavalier Drive and All Saints Place

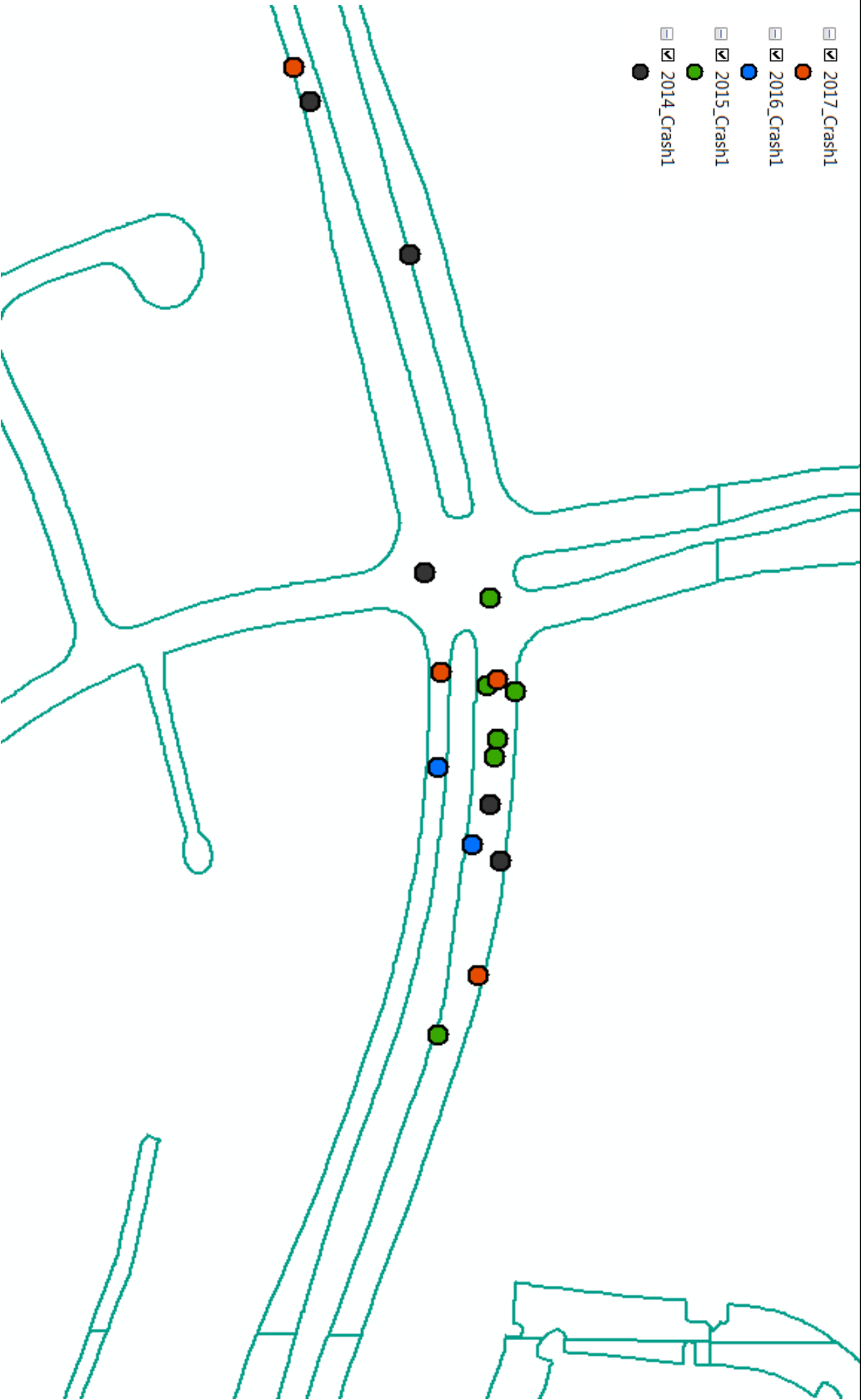


Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
14 Total Crashes	5 Total Crashes	5 Total Crashes	3 Total Crashes	1 Total Crashes
6 Injuries	0 Injuries	5 Injuries	0 Injuries	1 Injury
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

Curve at westbound approach causing poor sight distance

Old Bridge Road and Hedges Run Drive

- ☒ 2017_Crash1
- ☐ 2016_Crash1
- ☒ 2015_Crash1
- ☐ 2014_Crash1

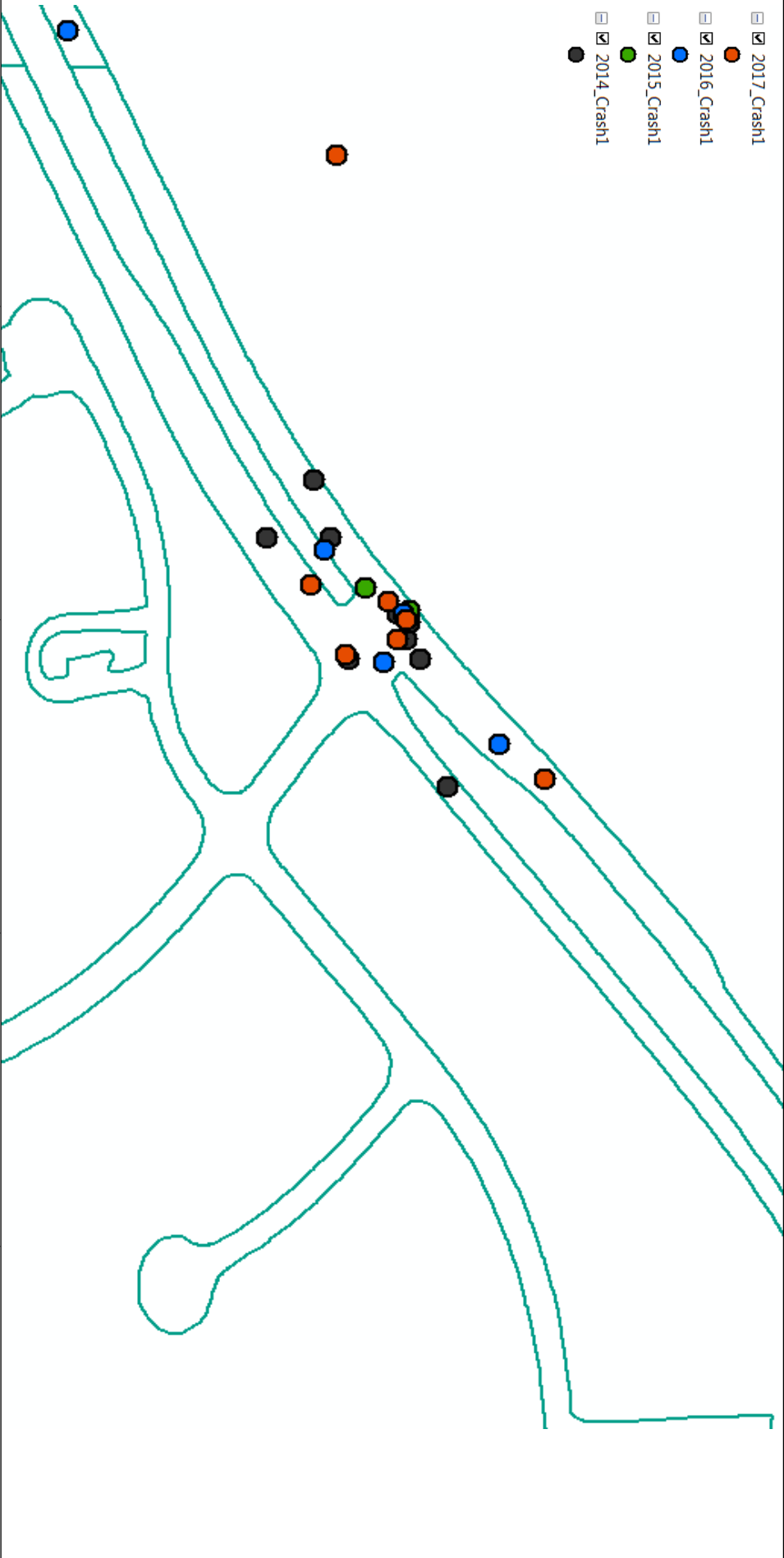


Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
8 Total Crashes	2 Total Crashes	0 Total Crashes	5 Total Crashes	1 Total Crashes
0 Injuries	0 Injuries	0 Injuries	0 Injuries	0 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

Curve at westbound approach causing poor sight distance

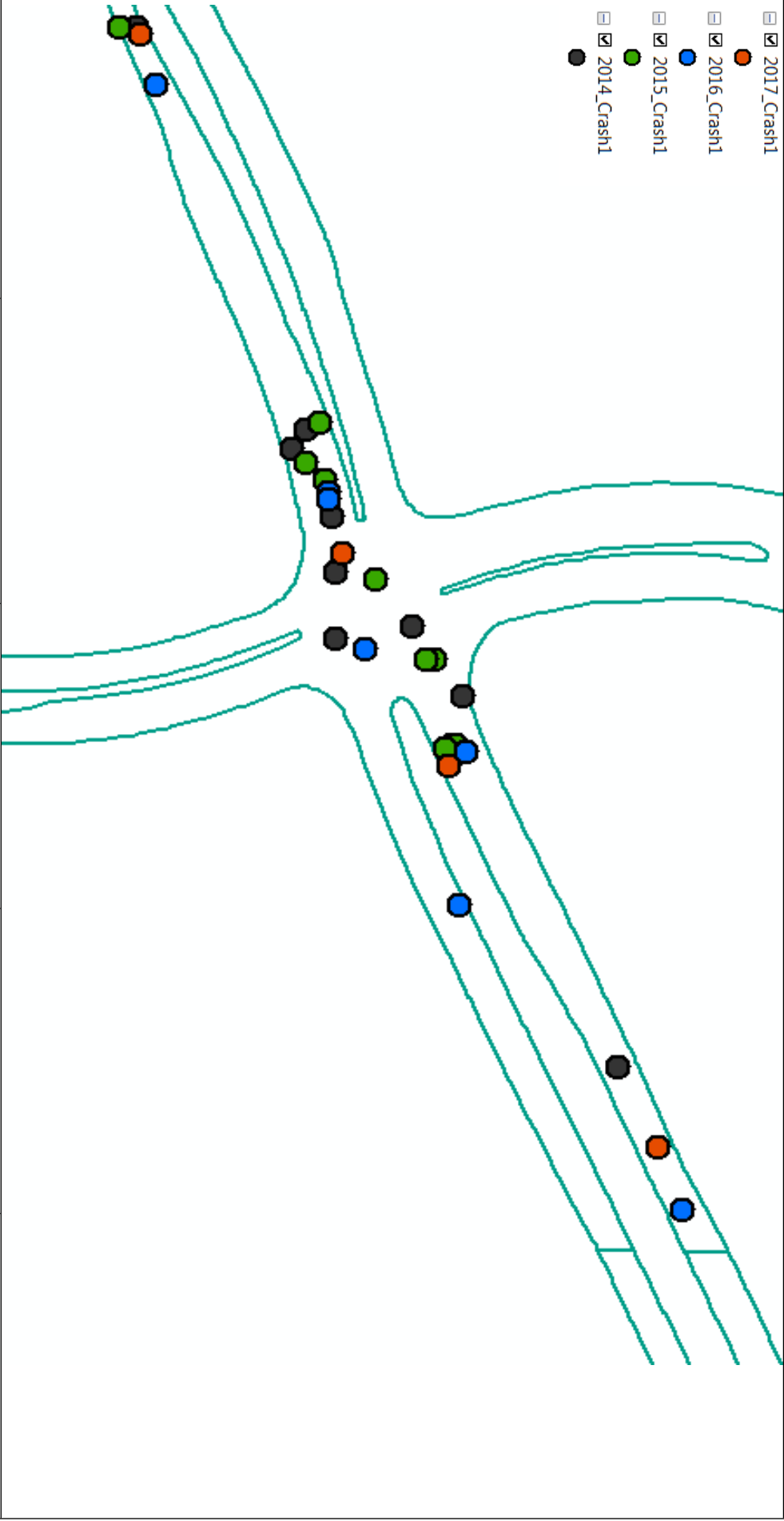
Old Bridge Road and Cricket Lane and Dillingham Square

- ☒ 2017_Crash1
- ☒ 2016_Crash1
- ☒ 2015_Crash1
- ☒ 2014_Crash1



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
17 Total Crashes	5 Total Crashes	3 Total Crashes	2 Total Crashes	7 Total Crashes
12 Injuries	4 Injuries	0 Injuries	1 Injury	7 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

Old Bridge Road and Smoketown Road

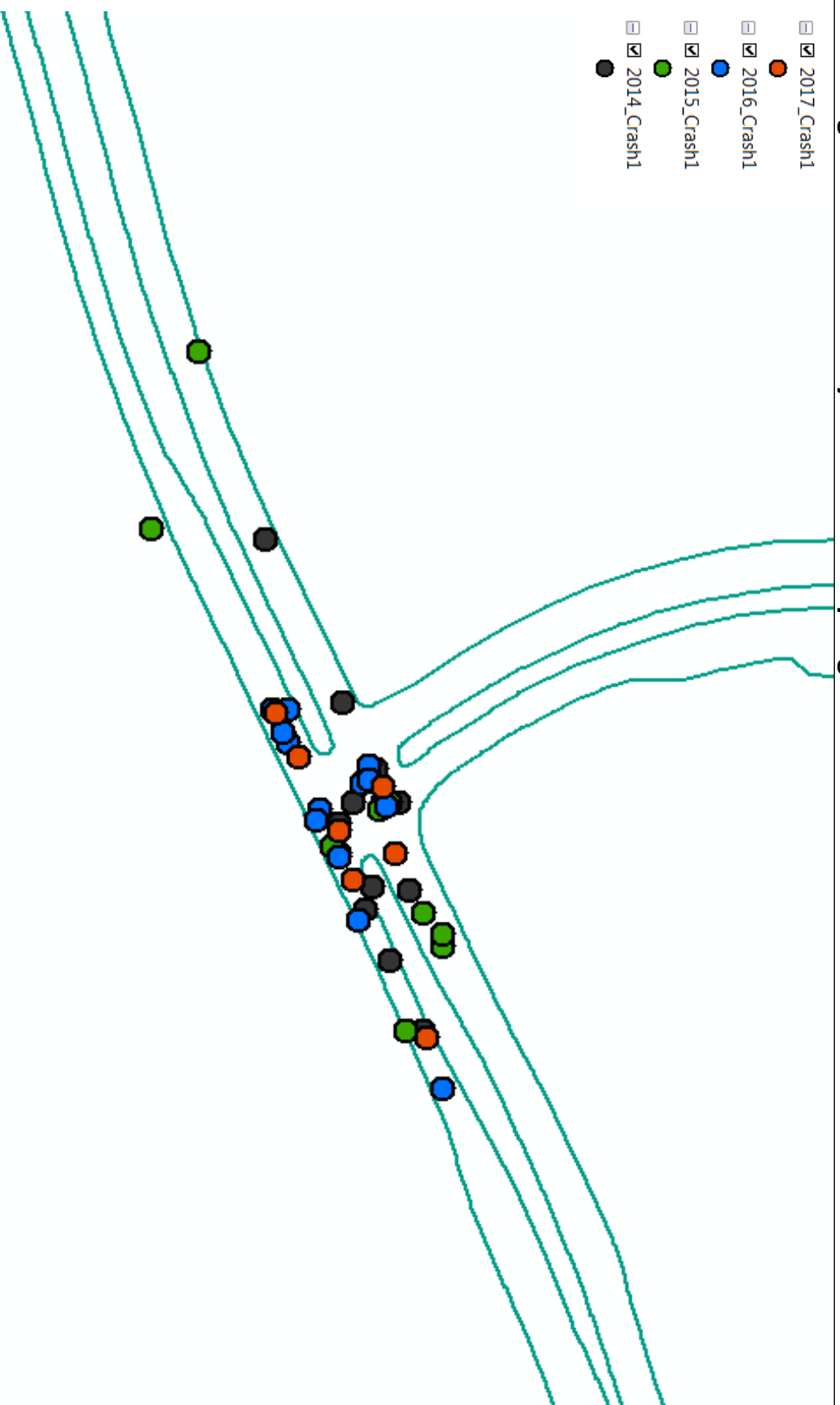


Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
21 Total Crashes	2 Total Crashes	4 Total Crashes	9 Total Crashes	6 Total Crashes
7 Injuries	3 Injuries	0 Injuries	3 Injuries	1 Injury
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

High number of crashes due to high volumes making left turns at all approaches

Old Bridge Road and Nursery Entrance and Springwoods Drive

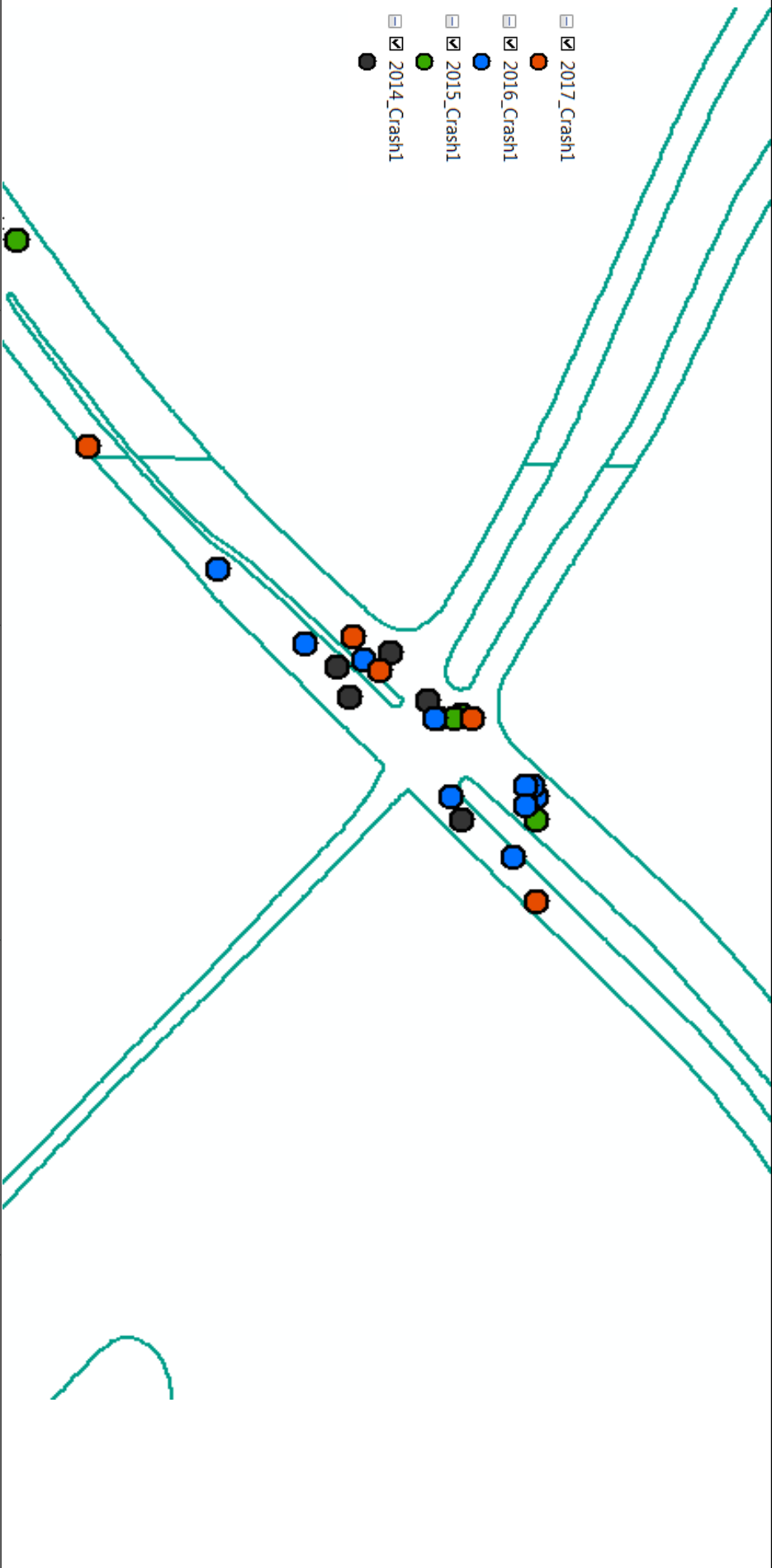
- ☒ 2017_Crash1
- ☐ 2016_Crash1
- ☒ 2015_Crash1
- ☐ 2014_Crash1



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
33 Total Crashes	6 Total Crashes	13 Total Crashes	7 Total Crashes	7 Total Crashes
22 Injuries	6 Injuries	9 Injuries	5 Injuries	2 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

High number of crashes possibly due to vehicles trying to continue straight from the divided left lane, slight crest on eastbound approach, or open road for a long stretch before two traffic signals in a row

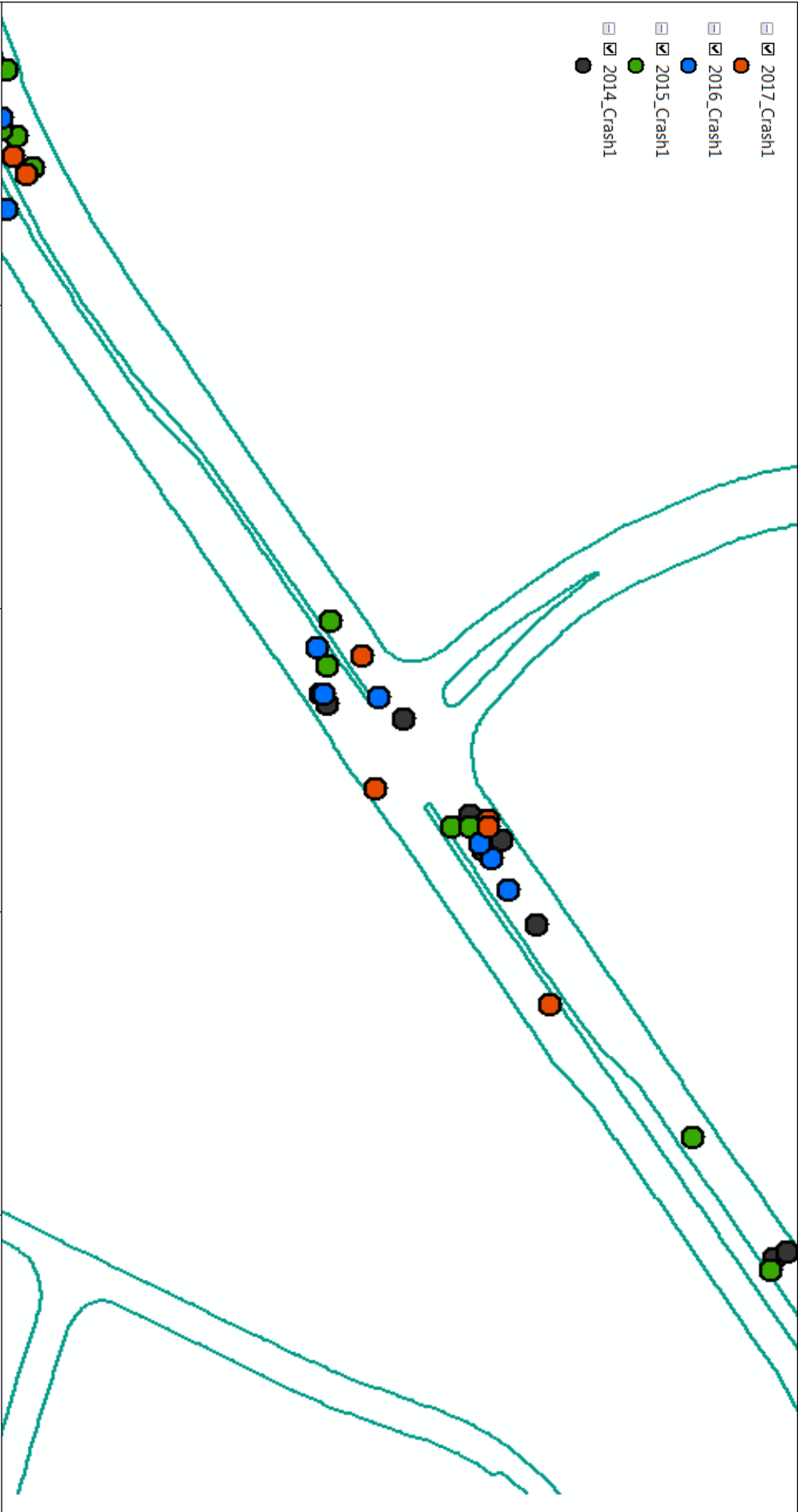
Old Bridge Road and Rockwood Lane and Westridge Drive



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
22 Total Crashes	3 Total Crashes	10 Total Crashes	3 Total Crashes	6 Total Crashes
11 Injuries	3 Injuries	3 Injuries	3 Injuries	2 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

Curve at westbound approach causing poor sight distance

Old Bridge Road and Titania Way and Touchstone Circle

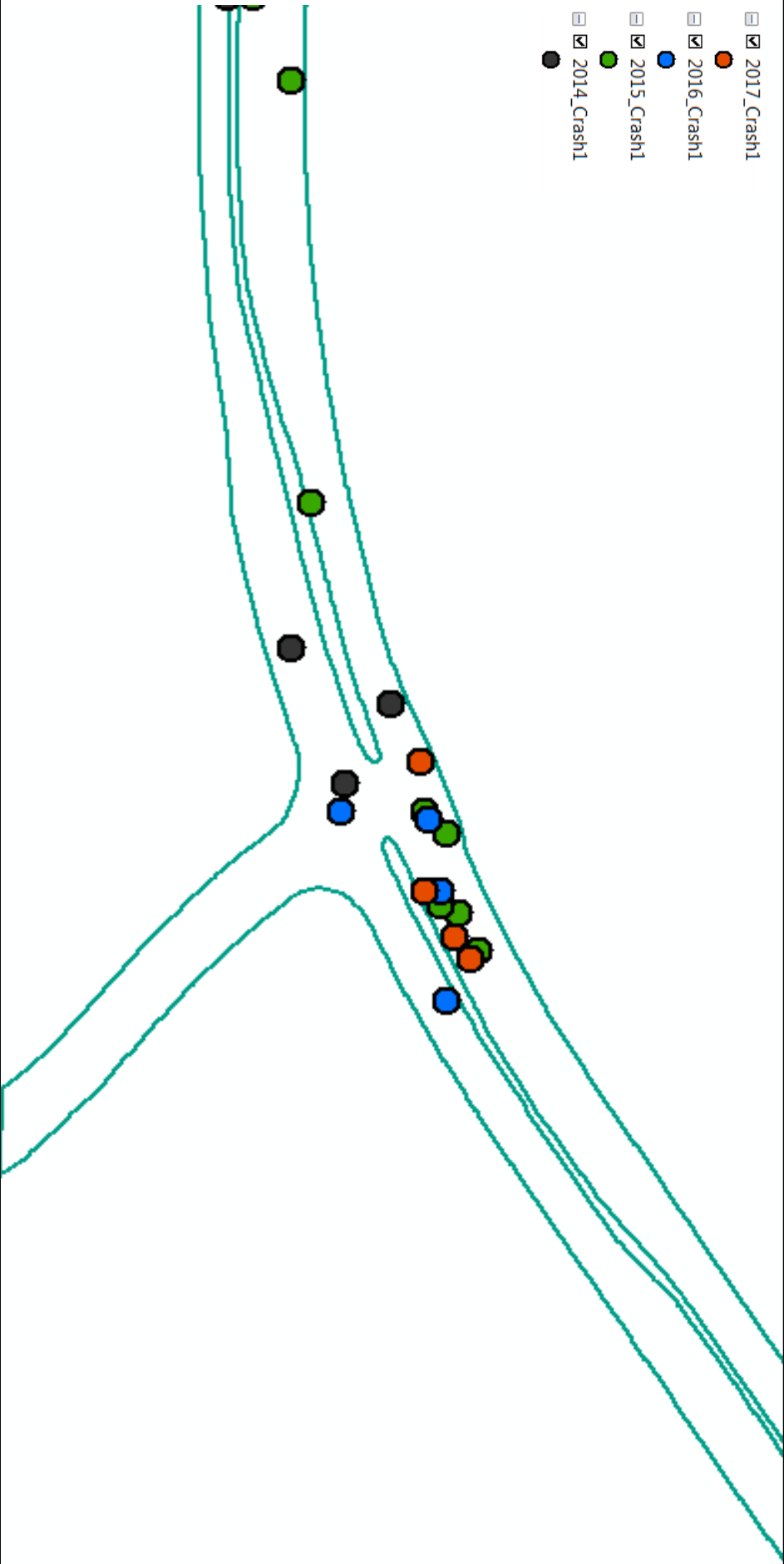


Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
18 Total Crashes	4 Total Crashes	6 Total Crashes	3 Total Crashes	5 Total Crashes
9 Injuries	0 Injuries	7 Injuries	0 Injuries	2 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

High number crashes at westbound approach possibly due to slope down to intersection

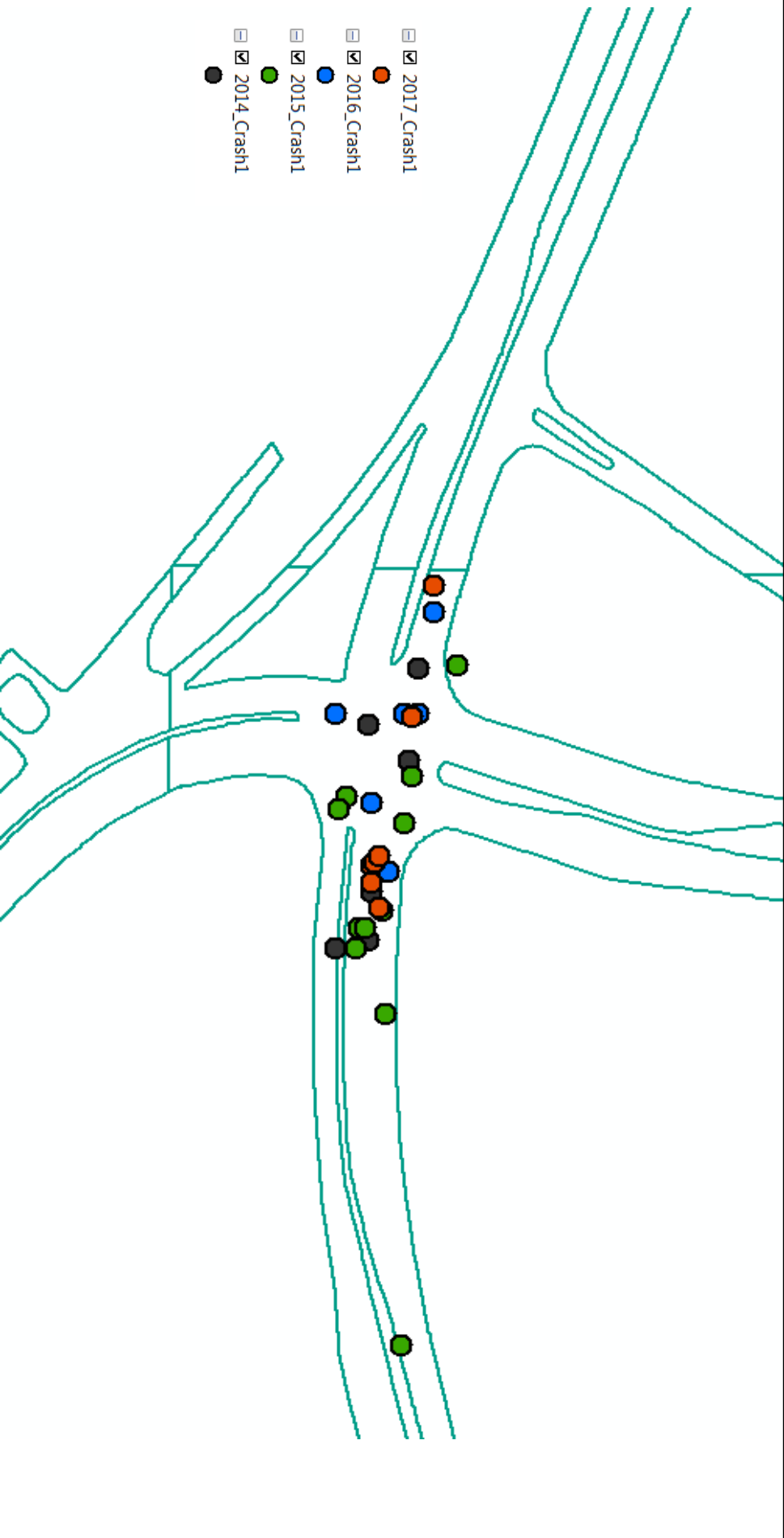
Old Bridge Road and Troupe Street and Glen Shopping Center

- ☒ 2017_Crash1
- ☐ 2016_Crash1
- ☒ 2015_Crash1
- ☐ 2014_Crash1



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
15 Total Crashes	4 Total Crashes	4 Total Crashes	4 Total Crashes	3 Total Crashes
6 Injuries	1 Injury	2 Injuries	2 Injuries	1 Injury
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities

Prince William Parkway and Old Bridge Road & Touchstone Circle



Total DMV Crash Data:	2017 DMV Crash Data:	2016 DMV Crash Data:	2015 DMV Crash Data:	2014 DMV Crash Data:
26 Total Crashes	8 Total Crashes	5 Total Crashes	9 Total Crashes	4 Total Crashes
15 Injuries	0 Injuries	3 Injuries	6 Injuries	6 Injuries
0 Fatalities	0 Fatalities	0 Fatalities	0 Fatalities	1 Fatality

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