



To: Sandra Misiewicz, AICP

Date: January 14, 2020
Project #: 26368.00

Memorandum

From: VHB

Re: Rapp Road/Crossgates Mall Road, Town of Guilderland, Albany County

Introduction

VHB completed a safety evaluation for the Rapp Road/Crossgates Mall Road intersection, as shown in the aerial image below, in the Town of Guilderland. The intersection was chosen due to the number of overall crashes experienced at the intersection, especially understanding that growth continues to occur or be proposed in this area. It is noted that this intersection is being evaluated in the Traffic Impact Study for the Rapp Road Residential project which may provide an opportunity to implement safety-related recommendations as part of that project. In addition, the Capital District Transportation Authority (CDTA) has plans to upgrade transit accommodations at the intersection. This intersection is representative of other large-scale retail centers in the Capital Region. Below is a summary of our evaluation:





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Existing Conditions

The Rapp Road/Crossgates Mall Road intersection is located on the southwest corner of Crossgates Mall, in the Town of Guilderland. Rapp Road is classified as an urban minor arterial and generally provides north/south travel from Western Avenue (US Route 20) to Washington Avenue Extension. Data collected by the New York State Department of Transportation (NYSDOT) in 2009 shows that Rapp Road serves approximately 8,630 vehicles per day (vpd) near the study intersection (the data was collected in March which is outside of the retail peak season). Crossgates Mall Road is classified as a local urban roadway providing travel around the perimeter of Crossgates Mall. The Rapp Road/Crossgates Mall Road intersection is a large, four-leg intersection currently operating under traffic signal control with right-turn slip lanes on two intersection approaches. The eastbound and southbound Rapp Road approaches each provide a single lane for shared left-turn/through movements. Right turns from eastbound Rapp Road to southbound Crossgates Mall Road are accommodated with a free-flowing slip lane. Right turns from southbound Rapp Road to westbound Rapp Road are accommodated with a yield-controlled slip lane. The northbound Crossgates Mall Road approach provides a left-turn lane and a shared through/right-turn lane. The westbound Crossgates Mall Road approach provides a shared left-turn/through lane and a shared through/right-turn lane. All four intersection approaches have a raised center median separating the directional lanes of travel. The posted speed limit on all approaches to the intersection is 30-mph. No pedestrian accommodations are provided at the intersection and trucks are restricted to Local Traffic Only on Rapp Road north of the intersection. There is no overhead lighting at the intersection. Intersection turning movement count data collected as part of the Rapp Road residential project indicates that the intersection currently serves approximately 775 vehicles during the AM peak hour and 1,075 vehicles during the PM peak hour. The traffic volumes from the traffic study for the Rapp Road Residential project are attached to this memorandum.

Crash Review

Crash data for the Rapp Road/Crossgates Mall Road intersection was provided by CDTC for the latest available eight-year period from January 1, 2011 to December 31, 2018. Review of the data shows that during the eight-year period, a total of 42 crashes occurred at this intersection. Table 1 summarizes the intersection crashes and shows that of the 42 crashes, there were 10 injury crashes, 22 property damage collisions and 10 non-reportable incidents (no injury and less than \$1,000 in property damage). There were no fatal crashes reported at this intersection during the study period. The crash data, as summarized by CDTC, is attached to this memorandum.

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Table 1 Summary of Eight-year Crash History

Crash Type	Total Crashes	Severity			
		Fatal	Injury	PDO ^a	NR ^b
Left-Turn	14	0	1	10	3
Right-Angle	12	0	3	7	2
Rear-End	9	0	3	2	4
Sideswipe	2	0	0	1	1
Head-On	1	0	1	0	0
Fixed Object	1	0	0	1	0
Other	3	0	2	1	0
Total	42	0	10	22	10

The data summary in Table 1 may be adjusted slightly from the attached CDTC summary table.

Source: CDTC crash data dated January 1, 2011 through December 31, 2018.

a Property Damage Only

b Non-Reportable

As shown in Table 1, of the 42 total crashes at the Rapp Road/Crossgates Mall Road intersection, 14 were left-turn crashes, 12 were right-angle crashes and 9 were rear-end crashes, with the remaining crashes a mix of sideswipe, head-on, fixed object, and other. The following additional characteristics of the crashes are noted:

- All of the contributing factors for the crashes at the intersection involved some level of driver error.
- The primary contributing factors of the crashes at this intersection were identified as failure to yield the right-of-way, driver inattention, following too closely, and disregard of traffic control devices.
- Of the 42 crashes that occurred at the intersection, 41 involved two (or more) vehicles.
- Of the 42 crashes, 19 (45%) occurred during dark road conditions.
- The data did not identify any patterns involving weather or roadway surface condition.
- Of the 42 crashes, 14 (33%) occurred during November and December when traffic volumes at the shopping mall peak.
- Review of the crash data did not identify a crash pattern associated with the slip lanes.
- Although the data review doesn't specifically identify traffic signal timing and clearance intervals as a contributing factor for the crashes, improper traffic signal timing and clearance intervals can contribute to crashes at a traffic signal controlled intersection.

It is noted that 5 of the 42 reported crashes appeared to have occurred when the traffic signal was operating under flashing mode. However, correspondence with the Town of Guilderland Highway Superintendent indicates that this

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intersection does not operate on flashing mode on a regular basis. Therefore, these crashes occurred during an unexpected power outage condition or the data was entered into the crash reporting system incorrectly, so these five crashes are not representative of a crash trend at the intersection.

Field Review

Based on the evaluation of the crash data, the primary contributing factors for the crashes are attributed to driver error. Therefore, the field review focused on recommendations that can reduce the potential for driver error like traffic signal visibility, traffic signal phasing and timing, and intersection geometry. A field visit to the study area was conducted with a representative of the Town and noted the following:

- The roadway striping and signing on all intersection approaches appears to be in generally good condition although faded and mostly worn off on the Crossgates Mall Road westbound intersection approach.
- The traffic signal operates with a four-phase signal with a Crossgates Mall Road northbound only leading phase, Crossgates Mall Road northbound and Rapp Road southbound permitted phase, Crossgates Mall Road westbound leading phase, and finally the Crossgates Mall Road westbound and Rapp Road eastbound permitted phase. Although the Crossgates Mall Road westbound approach has a leading phase, there is not a signal head with arrows present to indicate that a protected left-turn movement is present at the intersection, which causes hesitation and confusion by drivers.
- The intersection has both horizontal and vertical curves on its eastbound, westbound, and southbound approaches which results in some visibility issues as drivers are approaching the intersection, both by the geometry and vegetation. There are signal ahead warning signs on the eastbound and southbound Rapp Road approaches to the intersection.
- At the intersection itself, there is no vegetation that obstructs the signal heads.
- The intersection is geometrically large for the volume of traffic being accommodated on a regular basis. The volume of right-turn movements does not appear to be of a volume to need to be removed from the signal system, where these movements would be slower and more controlled.

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Crossgates Mall Road NB



Rapp Road SB



Rapp Road EB



Crossgates Mall Road WB

Recommendations

Several items are recommended for consideration to clarify right-of-way and reduce the potential for driver error. They include:

- Install a Signal Ahead warning sign on the Crossgates Mall Road westbound approach to the intersection.
- Confirm that the traffic signal phasing and timings have been optimized.



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- Review the traffic signal timing plans and confirm that the yellow/all-red times and clearance intervals conform with current standards.
- Restripe the westbound approach to provide a left-turn and shared through/right-turn lane, install a 5-section head on the westbound approach to control left-turn movements, and widen the median (or provide hatching) on Rapp Road westbound departing the intersection so there is only one receiving lane for westbound vehicles. Review existing signal detection and install where needed to accommodate the upgrade.
- In the longer term, remove the right-turn slip lanes and bring the right-turn maneuvers into the traffic signal control reducing the speed of right turning vehicles at the intersection and providing better geometry for multimodal accommodations.
- As growth and development continue to occur in the area, a plan to provide bicycle and pedestrian connectivity from Rapp Road to the mall should be established. The installation of full pedestrian accommodations at the intersection should be included.

It is noted that a span wire evaluation should be completed prior to installation of any signs on the traffic signal span wire to confirm that the existing traffic signal system can accommodate the additional load.

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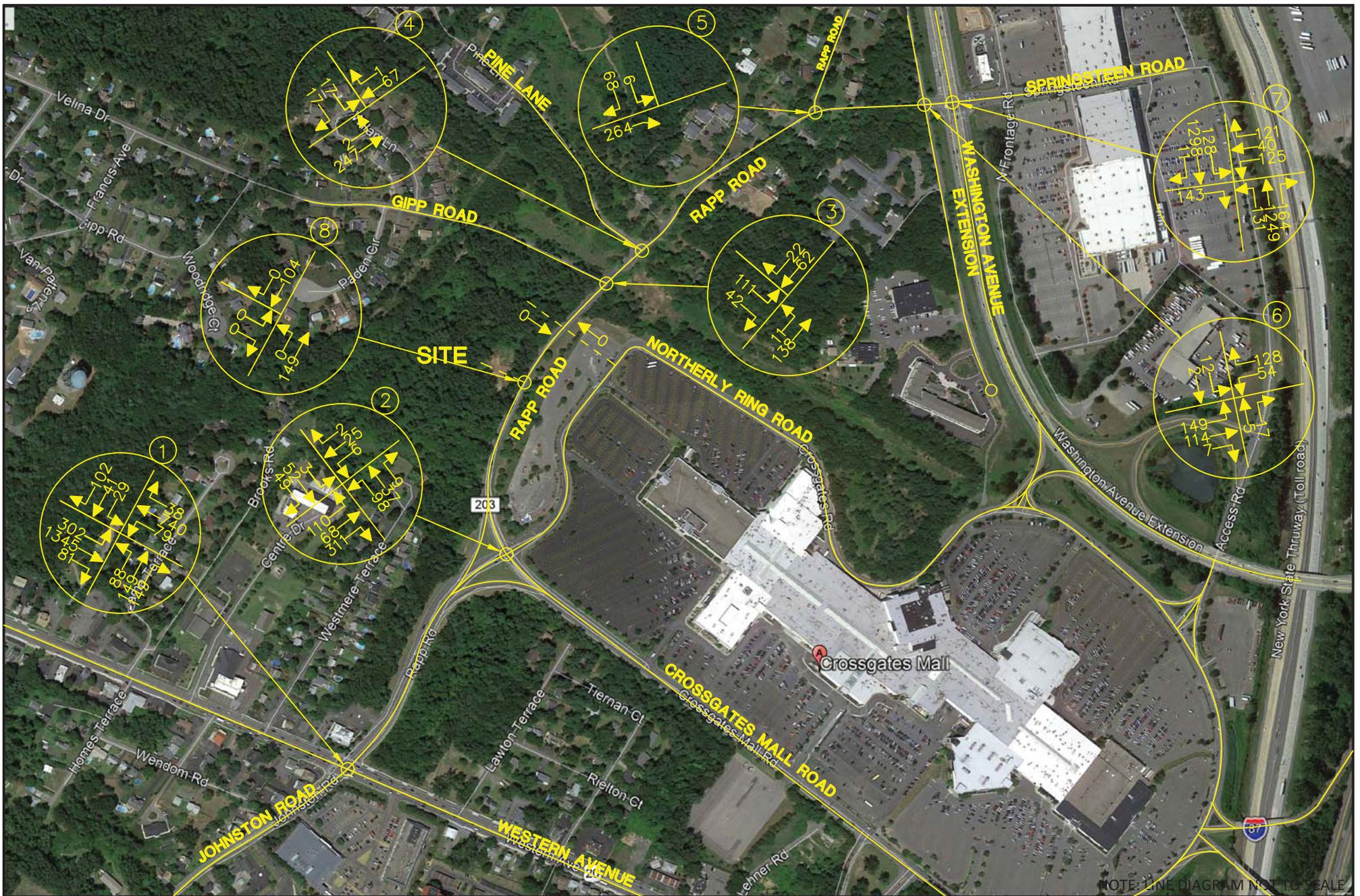
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Attachments

Traffic Volume Figures

CDTC Crash Summary Table



NOTE: LINE DIAGRAM NOT TO SCALE



Consulting, Municipal & Environmental Engineers
 Planners ■ Surveyors ■ Landscape Architects
 State of N.Y. Certificate of Authorization: 0008671

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 Customer Loyalty through Client Satisfaction

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RAPP ROAD RESIDENTIAL
 TOWN OF GUILDERLAND, ALBANY COUNTY, NEW YORK

YEAR 2017 EXISTING TRAFFIC VOLUMES
 WEEKDAY PEAK AM HOUR



JOB NUMBER:	DATE:
17006513A	7/18/2018
FIGURE NUMBER:	



New Jersey New York Pennsylvania Virginia
Customer Loyalty through Client Satisfaction

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RAPP ROAD RESIDENTIAL
TOWN OF GUILDERLAND, ALBANY COUNTY, NEW YORK

YEAR 2017 EXISTING TRAFFIC VOLUMES
WEEKDAY PEAK PM HOUR



JOB NUMBER:	DATE:
17006513A	7/18/2018
FIGURE NUMBER:	
3	

26368.00 REGIONAL SAFETY ACTION PLAN			CROSSGATES MALL ROAD										COUNTY MUNICIPALITY			
			AT INTERSECTION WITH / OR BETWEEN RAPP ROAD										BY DATE			
NO. OF MONTHS 96			LIGHT CONDITIONS (LC)					ROADWAY CHARACTER (RC)					ROADWAY SURFACE CONDITION (RSC)		WEATHER (WEA)	
Begin Date: JANUARY 2011 End Date: DECEMBER 2018			1. Daylight 2. Dawn 3. Dusk 4. Dark Road Lighted 5. Dark Road Unlighted					1. Straight & Level 2. Straight & Grade 3. Straight at Hillcrest 4. Curve & Level 5. Curve & Grade 6. Curve at Hillcrest					1. Dry 2. Wet 3. Muddy 4. Snow/Ice 5. Slush 10. Other		1. Clear 2. Cloudy 3. Rain 4. Snow 5. Sleet/Hail/Freezing Rain 6. Fog/Smog/Smoke 10. Other	
NO	CASE	DATE	TIME	# OF VEH	SEV	LC	RC	RSC	WEA	CONTRIB FACTORS	REF MKR	ACC TYPE	DESCRIPTION			
1	37661243	12/26/2018	17:03	2	NR	4	1	1	1	09, YY		REAR END	ON THE ABOVE DATE TIME AND LOCATION V-2 WAS AT THE LIGHT ATTEMPTING TO MAKE A RIGHT HAND TURN SOUTHBOUND PAST LOWER LEVEL MACY'S WHEN V-1 STRUCK HER FROM BEHIND. NO INJURIES.			
2	37149794	2/17/2018	18:19	2	PDO	4	1	1	1	04, 07, 17		LEFT TURN (AGAINST OTHER CAR)	ON 02/17/2018 V1 WAS DRIVING WEST BOUND ON CROSSGATES MALL ROAD WHEN V1 STATED HE HAD A GREEN ARROW TO MAKE A LEFT HAND TURN ONTO RAPP ROAD, V1 THEN STRUCK V2 AT THE INTERSECTION, V2 WHO WAS TRAVELING EAST BOUND STATED THAT HE HAD A YELLOW LIGHT AND HE ATTEMPTED TO MAKE IT THRU THE INTERSECTION. NO INJURIES REPORTED ON SCENE.			
3	37065738	12/26/2017	06:30	2	PDO	5	2	1	1	07, YY		LEFT TURN (WITH OTHER CAR)	operator of v-1 was traveling in a Northerly direction on Crossgates mall road making a left turn in to Rapp road at traffic light. operator of v-2 was traveling south on Crossgates Mall road going straight through the intersection of Rapp road and Crossgates mall road. Unknown vehicle was also traveling in a southerly direction on Crossgates Mall road unknown if making a left or going straight through said intersection and was stopped at traffic light in outside lane. Operator of v-1 stated unknown vehicle flashed his lights and operator of v-1 proceeded to make left turn not seeing v-2 traveling up the inside lane to proceed straight through said intersection. operator of v-1 failed to yield right away to v-2 and did turn in front of v-2 and crashing into v-2.			
4	37025121	12/9/2017	15:59	2	INJURY	1	1	4	4	09, YY		REAR END	OPERATOR OF V2 STATES SHE WAS STOPPED IN TRAFFIC WHEN SHE WAS REAR ENDED BY V1. SHE STATES V1 THEN CONTINUED DRIVING PAST HER AND LEFT THE SCENE. UNABLE TO LOCATE V1.			

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NO	CASE	DATE	TIME	# OF VEH	SEV	LC	RC	RSC	WEA	CONTRIB FACTORS	REF MKR	ACC TYPE	DESCRIPTION		
5	36753906	3/14/2017	11:23	1	PDO	4	5	1	1	05, 08		CURBING	on the above date time and location driver of vehicle #1 states he was traveling in a westerly direction on crossgates mall rd. when he fell asleep and went off the road into a ditch on rapp rd.		
6	36548713	1/2/2017	17:01	2	INJURY	4	1	1	1	04, 07, YY		RIGHT TURN (AGAINST OTHER CAR)	V1 WAS TRAVELING SOUTH BOUND ON CROSSGATES MALL RD WHEN V1 DRIVER FAILED TO YIELD OF THE RIGHT OF WAY OF V2 CAUSING V1 TO STRIKE V2 FRONT DRIVERS SIDE BUMPER, CAUSING DAMAGE TO V1 FRONT END AND AIR BAG DEPLOYMENT. DRIVER OF V1 STATED CHEST PAIN, DRIVER OF V2 STATED GENERAL HEAD PAIN. DRIVER OF V1 WAS TRANSPORTED BY AMBULANCE TO EILLIS HOSPITAL.		
7	36543938	12/27/2016	18:17	2	PDO	4	1	1	1	04, XX		LEFT TURN (AGAINST OTHER CAR)	V1 WAS TRAVELING EAST BOUND ON CROSSGATES MALL ROAD WHEN V2 WAS MAKING A LEFT HAND TURN V1 STRUCK V2 RIGHT FRONT END CAUSING DAMAGE, V1 SUBSTAINED FRONT END DAMAGE AS WELL. BOTH DRIVERS STATED NO INJURIES ON SCENE. V2 DRIVER STATED HE HAD THE GREEN ARROW, V1 DRIVER STATED SHE HAD THE GREEN LIGHT. UNALBE TO DETERMINE WHICH DRIVER WAS AT FAULT.		
8	36540525	12/23/2016	21:06	2	PDO	4	1	1	1	07, YY		RIGHT ANGLE	OPERATOR OF V1 STATES HE WAS ATTEMPTING A LEFT TURN ONTO RAPP ROAD AND HE DID NOT SEE V2 COMING IN THE OPPOSITE DIRECTION AND HE CRASHED INTO V2. OPERATOR OF V2 STATES V1 MADE A LEFT TURN IN FRONT OF HIM. HE STATES HE SWERVED TO THE RIGHT TO AVOID HITTING HIM BUT HE WAS NOT ABLE TO.		

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NO	CASE	DATE	TIME	# OF VEH	SEV	LC	RC	RSC	WEA	CONTRIB FACTORS	REF MKR	ACC TYPE	DESCRIPTION		
9	36174968	4/15/2016	13:06	2	NR	1	1	1	1	04, YY		REAR END	V1 AND V2 WERE BOTH NORTH ON CROSSGATES MALL ROAD AT THE INTERSECTION WITH RAPP ROAD. V2 WAS STOPPED AT THE TRAFFIC LIGHT AND V1 WAS SLOWING BEHIND V2. V2 DRIVER SAID SHE WAS ON CROSSGATES MALL ROAD AT THE INTERSECTION OF RAPP ROAD STOPPED AT THE TRAFFIC LIGHT WHEN V1 BUMPED HER FROM BEHIND. V1 DRIVER SAID SHE WAS SLOWING DOWN AS SHE WAS APPROACHING V2 AND A DRINK FELL FROM ITS HOLDER DOWN ONTO THE FLOOR. AS DRIVER 1 REACHED DOWN TO GET IT HER FOOT SLIPPED OFF THE BRAKE. V1 THEN CRASHED INTO THE REAR OF V2. NO INJURIES.		
10	36164577	4/8/2016	16:55	2	INJURY	1	1	1	2	07, YY		RIGHT ANGLE	driver for v-1 stated she had the green arrow to make a left turn. driver of v-2 stated she had the green light, and was proceeding straight through the intersection. witness stated that there was no green arrow, both lights were green, and just before the accident, lights were changing to amber. witness further stated that v-1 failed to yield the right of way to v-2. driver of v-1- was complaining of chest pain from airbag deployment. driver of v-1 was treated on scene, and was transported to albany medical center for evaluation. no other injuries were reported.		
11	36063989	1/23/2016	23:03	2	NR	4	1	1	1	03, YY		REAR END	V1 and V2 both facing NB at Rapp Rd and Crossgates Mall Rd, red traffic light. V1 backed into V2 in attempted to change lanes at the light. V2 unable to react to V1's actions.		
12	36047556	1/10/2016	17:58	2	PDO	5	1	1	1	03, 18, YY		SIDESWIPE	OPERATOR OF V1 STATES SHE WAS MAKING A LEFT TURN ONTO CROSSGATES MALL RD FROM THE CROSSGATES MALL RING RD WHEN SHE STRUCK THE MEDIAN. SHE STATES SHE THEN BEGAN BACKING UP AND SHE CRASHED INTO V2. OPERATOR OF V2 STATES SHE WAS BEHIND V1 WHEN SHE STOPPED DURING THE TURN AND BEGAN BACKING. SHE STATES V1 BACKED INTO HER VEHICLE.		

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NO	CASE	DATE	TIME	# OF VEH	SEV	LC	RC	RSC	WEA	CONTRIB FACTORS	REF MKR	ACC TYPE	DESCRIPTION		
13	36038706	1/6/2016	16:54	2	PDO	3	1	1	1	07, YY		LEFT TURN (AGAINST OTHER CAR)	V1, turning left onto Crossgates Mall Rd, steady green signal. V2 going straight through intersection steady green signal. Witness traveling westbound on Crossgates Mall Rd stopped at steady red signal. Driver of V1 states she made the left turn because the intersection was clear. Driver V2 states she saw V1 make the turn in front of her and attempted to stop to avoid a crash, but could not stop in time and hit the rear passenger side of V1.		
14	36037333	1/2/2016	19:34	2	PDO	5	1	1	2	07, YY		LEFT TURN (AGAINST OTHER CAR)	v-2 was traveling west on crossgates mall rd. driver of v-2 stated that she had the green light and was traveling straight through the intersection. driver of v-1 was making a left turn from rapp rd onto crossgates mall rd. driver of v-1 stated he did not see v-2. driver of v-1 failed to yield the right of way to v-2 and crashed into v-2. no injuries were reported. v-1 had an expired registration. driver was issued utt for unregistered motor vehicle.		
15	36028401	12/28/2015	13:49	2	PDO	1	1	1	2	07, YY		RIGHT ANGLE	Veh 1 and Veh 2 both had green light. Veh 2 was proceeding straight thru the intersection when veh 1 turned left in front of veh 2.		
16	36020732	12/21/2015	17:11	2	NR	5	1	2	3	07, YY		LEFT TURN (AGAINST OTHER CAR)	operator of v1 making left hits v2. no injuries. v2 registration was suspended for not having insurance in effect. v2 does not have insurance in effect.		
17	35947499	10/31/2015	09:36	3	PDO	1	4	1	1	07, YY		OTHER	Opr 1 failed to yield right of way at flashing red light and struck veh 2. Veh 1 then struck veh 3 that was stopped at traffic light.		
18	35857271	8/22/2015	07:39	2	NR	1	1	1	1	04, YY		RIGHT ANGLE	OPER OF V1 STATES HE WAS TRAVELING SOUTHBOUND THROUGH THE INTERSECTION ON A FLASHING RED LIGHT AND DID NOT SEE V2 APPROACHING. V2 WAS TRAVELING EASTBOUND THROUGH A FLASHING YELLOW AND WAS STRUCK B V1 AS HE PROCEEDED THROUGH THE INTERSECTION.		

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NO	CASE	DATE	TIME	# OF VEH	SEV	LC	RC	RSC	WEA	CONTRIB FACTORS	REF MKR	ACC TYPE	DESCRIPTION		
19	35736544	4/15/2015	07:47	2	PDO	1	1	1	1	07, 17, YY		RIGHT ANGLE	v2 was traveling in an easterly direction on crossgates mall rd through the intersection of rapp rd, v2 had a blinking yellow light. operator of v1 was going in a southerly direction through the intersection and failed to stop at the flashing red light and was struck by v2. neither operator complained of injuries.		
20	35653760	3/13/2015	08:16	2	INJURY	1	4	1	1	07, YY		RIGHT ANGLE	Opr 1 states he stopped at the flashing red light and proceeded after not seeing any cars. Opr 2 states she was entering the intersection on a flashing yellow light when she saw veh 1 pull out into her path.		
21	35521784	12/16/2014	17:07	2	PDO	5	4	2	3	07, YY		LEFT TURN (AGAINST OTHER CAR)	V2 WAS TRAVELING STRAIGHT AHEAD IN A WESTERLY DIRECTION ON CROSSGATES MALL ROAD AND DID ENTER THE INTERSECTION WITH RAPP ROAD TO CONTINUE TRAVELING STRAIGHT AHEAD ONTO RAPP ROAD. V1 WAS TRAVELING IN AN EASTERLY DIRECTION ON RAPP ROAD, DID APPROACH THE INTERSECTION WITH CROSSGATES MALL ROAD, AND DID MAKE A LEFT HAND TURN INTO THE INTERSECTION TRAVELING IN A NORTHEASTERLY DIRECTION. V1 AND V2 DID CRASH. BOTH OPERATORS OF THE VEHICLES REPORTED HAVING A GREEN LIGHT.		
22	35301740	6/20/2014	17:51	2	PDO	1	1	1	1	07, YY		LEFT TURN (AGAINST OTHER CAR)	DRIVER OF VEHICLE 1 STATES HE WAS TURNING ONTO RING ROAD AND DID NOT SEE VEHICLE 2. DRIVER OF VEHICLE 2 STATES HE WAS PROCEEDING THROUGH THE INTERSECTION AND VEHICLE 1 TURNED IN FRONT OF HIM.		
23	35262748	5/15/2014	20:52	2	PDO	5	1	2	3	07, 17, YY		RIGHT ANGLE	DRIVER OF VEHICLE 1 STATES SHE DID NOT SEE THE RED LIGHT, AND BEGAN TO GO THROUGH IT AND STRUCK VEHICLE 2 WHICH WAS GOING THROUGH THE LIGHT AND HAD A GREEN LIGHT		

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24	35248972	4/22/2014	19:09	2	PDO	1	1	2	3	07, YY		LEFT TURN (AGAINST OTHER CAR)	DRIVER OF VEHICLE 1 STATES SHE HAD A GREEN ARROW AND BEGAN TO TURN AND THAT VEHICLE 2 CAME THROUGH THE INTERSECTION AND STRUCK HER VEHICLE. DRIVER OF VEHICLE 2 STATES SHE HAD A GREEN LIGHT AND THAT VEHICLE 1 TURNED IN FRONT OF HER.		
25	35213394	4/1/2014	07:35	2	INJURY	1	2	1	1	05, 07, YY		HEAD ON	operator of v1 at a blinking red traffic signal does not see operator of v2 who has a blinking yellow traffic signal and collides into v2. operator of v1 taken to hospital for injury to right eye and chest pain. passenger of v1 evaluated for a cut on forehead and cut on right ear. operator of v2 evaluated for shoulder pain and transported to hospital.		
26	35138617	2/16/2014	12:22	2	PDO	1	2	1	2	07, YY		LEFT TURN (AGAINST OTHER CAR)	VEH1 MADE LEFT TURN IN FRONT OF VEH2. VEH2 UNABLE TO STOP IN TIME AND CRASHED INTO REAR OF VEH1.		
27	35063427	12/26/2013	18:29	2	PDO	4	5	2	2	07, YY		RIGHT ANGLE	OPERATOR OF V1 STATES HE WAS MAKING A LEFT HAND TURN ONTO RAPP RD AT THE INTERSECTION OF CROSSGATES MALL RD AND RAPP RD WHEN HE ENTERED THE PATH OF V2. OPERATOR OF V2 STATES SHE WAS GOING STRAIGHT THROUGH THE INTERSECTION FROM CROSSGATES MALL WHEN V1 MADE A LEFT HAND TURN INTO HER PATH. BOTH OPERATORS STATE THEY DID HAVE A GREEN LIGHT.		

26368.00 REGIONAL SAFETY ACTION PLAN			CROSSGATES MALL ROAD										COUNTY MUNICIPALITY		
			AT INTERSECTION WITH / OR BETWEEN RAPP ROAD										BY DATE		
NO. OF MONTHS 96			LIGHT CONDITIONS (LC)					ROADWAY CHARACTER (RC)					ROADWAY SURFACE CONDITION (RSC)		WEATHER (WEA)
Begin Date: JANUARY 2011 End Date: DECEMBER 2018			1. Daylight 2. Dawn 3. Dusk 4. Dark Road Lighted 5. Dark Road Unlighted					1. Straight & Level 2. Straight & Grade 3. Straight at Hillcrest 4. Curve & Level 5. Curve & Grade 6. Curve at Hillcrest					1. Dry 2. Wet 3. Muddy 4. Snow/Ice 5. Slush 10. Other		1. Clear 2. Cloudy 3. Rain 4. Snow 5. Sleet/Hail/Freezing Rain 6. Fog/Smog/Smoke 10. Other
NO	CASE	DATE	TIME	# OF VEH	SEV	LC	RC	RSC	WEA	CONTRIB FACTORS	REF MKR	ACC TYPE	DESCRIPTION		
28	35056318	12/23/2013	17:45	3	INJURY	4	1	2	2	07, 17, YY		OTHER	DRIVER OF V-1 STATED THAT SHE DID NOT KNOW HOW THE ACCIDENT HAPPENED. BOTH OPERATORS OF V-2 AND V-3, ALONG WITH TWO WITNESSES REPORT THAT DRIVER OF V-1 TRAVELING SOUTH BOUND, FAILED TO STOP AT A STEADY RED LIGHT, PROCEEDED INTO THE INTERSECTION CRASHING INTO V-2. V-2 WAS TRAVELING EAST BOUND, AFTER BEING STRUCK BY V-1, DUE TO THE WET ROAD CONDITIONS, CAUSED V-2 TO SPIN 360 DEGREES AND CAME TO FINAL REST FACING SOUTH. V-1 THEN CONTINUED INTO THE INTERSECTION AND CAME TO FINAL REST AGAINST V-3 WHICH WAS STOPPED AT THE RED SIGNAL FACING NORTH. DRIVER OF V-1 WAS TREATED BY GUILDERLAND EMS, AND TRANSPORTED TO ALBANY MEDICAL CENTER FOR EVALUATION. DRIVER OF V-2 WAS EVALUATED ON SCENE BY GUILDERLAND EMS, BUT REFUSED MEDICAL ATTENTION, AND WILL SEEK CARE FROM HER PRIMARY CARE PHYSICIAN. DRIVER OF V-3 REPORTED NO INJURIES, BUT STATED HE WOULD SEEK CARE FROM HIS PRIMARY CARE PHYSICIAN IF SYMPTOMS PRESENT. DRIVER OF V-1 WAS TICKETED		
29	35053043	12/22/2013	15:30	3	NR	1	1	2	2	04, YY		OTHER	V1 STRUCK V2 WHICH PUSHED V2 INTO V3. DRIVER 2 AND DRIVER 3 STATED THEY WAS STOPPED IN TRAFFIC WHEN V1 STRUCK V2. DRIVER 2 STATED V1 PUSHED HIS VEHICLE INTO V3. DRIVER 1 STATED HE TOOK HIS EYES OFF THE ROAD MOMENTARILY AND STRUCK V2.		
30	35028713	11/26/2013	20:45	2	NR	4	1	2	5	03, 05, YY		LEFT TURN (AGAINST OTHER CAR)	DRIVER OF VEHICLE 1 STATES SHE WAS BACKING UP AND DID NOT SEE VEHICLE 2 WHICH WAS PARKED.		
31	34907618	8/26/2013	10:10	2	NR	1	2	2	2	09, YY		REAR END	V1 STOPPED AT A RED LIGHT, V2 TRAVELING BEHIND V1, OPERATOR OF V2 STATES SHE THOUGHT SHE HIT THE BRAKE, BUT HIT THE GAS, AND HIT THE REAR OF V1. MINIMUM DAMAGE. NO INJURIES		

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Begin Date: JANUARY 2011 End Date: DECEMBER 2018			1. Daylight 2. Dawn 3. Dusk 4. Dark Road Lighted 5. Dark Road Unlighted					1. Straight & Level 2. Straight & Grade 3. Straight at Hillcrest 4. Curve & Level 5. Curve & Grade 6. Curve at Hillcrest					1. Dry 2. Wet 3. Muddy 4. Snow/Ice 5. Slush 10. Other		1. Clear 2. Cloudy 3. Rain 4. Snow 5. Sleet/Hail/Freezing Rain 6. Fog/Smog/Smoke 10. Other
NO	CASE	DATE	TIME	# OF VEH	SEV	LC	RC	RSC	WEA	CONTRIB FACTORS	REF MKR	ACC TYPE	DESCRIPTION		
32	34712768	3/26/2013	20:05	2	NR	4	2	1	1	04, 07, YY		RIGHT ANGLE	V1 SOUTHBOUND ON RING RD IN CROSSGATES MALL ATTEMPTING LEFT HAND TURN ONTO CROSSGATES MALL RD. V2 NORTHBOUND ON RAPP RD GOING STRAIGHT ONTO RING RD. OPERATOR OF V2 STATES HE WAS GOING STRAIGHT THROUGH INTERSECTION WITH GREEN LIGHT WHEN V1 MADE LEFT HAND TURN INTO HIS PATH. OPERATOR OF V1 STATES THE TRAFFIC LIGHT TURNED GREEN AND SHE WAS MAKING A LEFT HAND TURN ONTO CROSSGATES MALL RD. OPERATOR OF V1 STATES SHE DID NOT SEE V2. V1 AND V2 CRASHED CAUSING DAMAGE TO BOTH VEHICLES.		
33	34563260	12/4/2012	12:55	2	PDO	1	1	1	2	04, 09, YY		REAR END	OPERATOR OF VEHICLE 2 STATES SHE WAS STOPPED BEHIND ANOTHER VEHICLE AT THE RED LIGHT TO THE ABOVE LISTED INTERSECTION AND WAS REAR ENDED BY VEHICLE 1. OPERATOR OF VEHICLE 1 STATES THAT SHE MOMENTARILY TOOK HER EYES OFF THE ROAD, LOOKING DOWN AND BEHIND HER, LOOKING FOR HER PURSE, WHEN HER FOOT CAME OFF THE BRAKE, RESULTING IN HER VEHICLE COLLIDING WITH VEHICLE 2. NO INJURIES.		
34	34497758	10/23/2012	18:42	2	INJURY	4	5	2	3	07, 17, YY		RIGHT ANGLE	V1 EB FROM RAPP RD TO EB CROSSGATES MALL RD. V1 CRASHED INTO V2. DRIVER 2 SAID SHE WAS APPROACHING THE INTERSECTION AND THE LIGHT WAS GREEN; A V2 ENTERED THE INTERSECTION, V1 CAME OUT OF NOWHERE AND CRASHED INTO FRONT DRIVERS SIDE OF V2. DRIVER 2 HAD COMPLAINT OF PAIN/ HEADACHE AND EARACHE; PASSENGER 2 (JV F) ALSO SAID SHE BUMPED HER HEAD AND SAID IT HURT WHEN SHE TOUCHED IT, A BUMP WAS VISIBLE ON CHILD'S HEAD. DRIVER 2 DID RMA FOR HER DAUGHTER AND SELF AT SCENE AND SAID SHE WOULD SEEK TREATMENT ON HER OWN. DRIVER 1 SAID SHE WAS DRIVING ALONG AND I WENT THROUGH THE RED LIGHT"; "I WAS LOOKING AROUND AND WASN'T SURE IF I WAS TO GO THAT WAY [SOUTH ON CROSSGATES MALL RD].		

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NO	CASE	DATE	TIME	# OF VEH	SEV	LC	RC	RSC	WEA	CONTRIB FACTORS	REF MKR	ACC TYPE	DESCRIPTION			
35	34110139	11/26/2011	16:55	2	PDO	5	1	1	1	17, 19, YY		RIGHT ANGLE	OPERATOR OF VEHICLE 1 STATES THAT SHE WAS PROCEEDING WEST ON CROSSGATES MALL ROAD WHEN SHE ATTEMPTED TO "BEAT THE YELLOW LIGHT" AT THE INTERSECTION OF RAPP RD. OPERATOR OF VEHICLE 1 FURTHER STATES THAT WHEN SHE REALIZED SHE WAS NOT GOING TO BEAT THE YELLOW LIGHT AND THE LIGHT TURNED RED, SHE APPLIED HER BRAKES, CAUSING HER VEHICLE TO PULL TO THE RIGHT, DRIVE OVER A CURB, STRIKE VEHICLE 2 (WHO WAS STOPPED ON RAPP ROAD AT THE TRAFFIC LIGHT) AND COLLIDE WITH A GUARD RAIL. OPERATOR OF VEHICLE 2 STATES THAT HE WAS STOPPED ON RAPP ROAD AT THE TRAFFIC LIGHT WHEN VEHICLE 1 APPEARED AT A HIGH RATE OF SPEED, STRUCK HIS VEHICLE AND THEN DROVE INTO A GUARD RAIL. NO INJURIES			
36	34075744	10/31/2011	16:21	2	PDO	1	1	1	2	07, YY		LEFT TURN (WITH OTHER CAR)	OPR 1 STATES SHE TURNED IN FRONT OF VEH 2 AND CRASHED. OPR 2 STATES VEH 1 TURNED IN FRONT OF HIM.			
37	34058262	10/21/2011	10:56	2	NR	1	1	1	2	07, YY		LEFT TURN (AGAINST OTHER CAR)	V1 AND V2 COLLIDED IN INTERSECTION. DRIVER 1 STATED HE WAS MAKING A LEFT TURN WHEN HE WAS HIT. DRIVER 2 STATED HE COULD NOT STOP IN TIME WHEN V1 TURNED IN FRONT OF HIM. BOTH DRIVERS SAY THEY HAD A GREEN LIGHT.			
38	33937239	6/27/2011	16:42	2	PDO	1	1	1	1	05, 18, YY		RIGHT ANGLE	OPERATOR OF VEHICLE 1 STATES THAT SHE WAS ATTEMPTING TO MAKE A RIGHT TURN FROM CROSSGATES MALL ROAD ONTO RAPP RD WHEN SHE STATES SHE HIT THE THROTTLE INSTEAD OF THE CLUTCH, CAUSING THE MOTORCYCLE TO STALL. AT THAT POINT, OPERATOR OF VEHICLE 1 LOST CONTROL OF THE MOTORCYCLE, CONTINUED STRAIGHT AHEAD, STRIKING VEHICLE 2 AND THEN DROPPING THE MOTORCYCLE. OPERATOR OF VEHICLE 2 STATES THAT HE WAS STOPPED AT THE RED LIGHT AND THAT HE WATCHED WHAT OPERATOR OF VEHICLE 1 DESCRIBED, THEN WAS STRUCK BY VEHICLE 1. OPERATOR OF VEHICLE 1 FOUND TO HAVE ONLY A MOTORCYCLE PERMIT AND WAS OPERATING WITHOUT A LICENSED DRIVER WITHIN A QUARTER OF A MILE - TRAFFIC TICKET ISSUED.			

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NO	CASE	DATE	TIME	# OF VEH	SEV	LC	RC	RSC	WEA	CONTRIB FACTORS	REF MKR	ACC TYPE	DESCRIPTION		
39	33807173	3/5/2011	15:53	3	INJURY	1	4	2	2	04, 66, YY		OTHER	V3 WAS STOPPED AT A RED LIGHT AT THE INTERSECTION OF RAPP RD AND CROSSGATES MALL RD; V2 WAS STOPPED DIRECTLY BEHIND V3. V1 WAS APPROACHING V2 FROM THE REAR AND ATTEMPTING TO REDUCE HER SPEED. V1 AND V2 COLLIDED; V2 AND V3 COLLIDED. DRIVER 3 STATES HE WAS STOPPED AT THE LIGHT AND HIT UNEXPECTEDLY. DRIVER 2 STATES SHE WAS STOPPED BEHIND V3 WHEN SHE WAS STRUCK IN THE REAR OF HER VEHICLE AND PUSHED INTO V3. V1 STATES SHE SAW THE STOPPED VEHICLES AND ATTEMPTED TO SLOW BUT HER TIRES SLIPPED ON THE WET PAVEMENT. DRIVER 1 STATES HE HAS A HEADACHE FROM THE IMPACT BUT REFUSED MEDICAL TREATMENT. NO TOWS.		
40	33795431	2/28/2011	12:14	3	INJURY	1	2	2	2	18, 66, YY		OTHER	DRIVER OF V1 STATES HE WAS MAKING A LEFT TURN AND HE'S UNSURE IF THE LIGHT TURNED RED WHEN HE WAS APPROACHING OR UNDERNEATH IT. V2 HAD A GREEN LIGHT AND PROCEEDED FORWARD CRASHING INTO V1 CAUSING EXCESSIVE DAMAGE TO BOTH VEHICLES. SAID INCIDENT CAUSED V2 TO THEN CRASH INTO V3 WHO WAS STOPPED AT THE RED LIGHT. BOTH DRIVER AND PASSENGER IN V2 WERE INJURED AND TRANSPORTED TO THE HOSPITAL VIA AMBULANCE.		
41	33836765	2/8/2011		2	INJURY	1	1	1	1	ZZ		REAR END	I WAS STOPPED AT THE RED LIGHT AND WAS HIT FROM BEHIND BY ANOTHER DRIVER.		
42	33734973	1/19/2011	08:34	2	NR	1	5	4	4	19, 66, YY		SIDESWIPE	V-1 DID SLIDE ON SLIPPERY ROAD, CROSS CENTER LINE AND DID STRIKE V-2.		