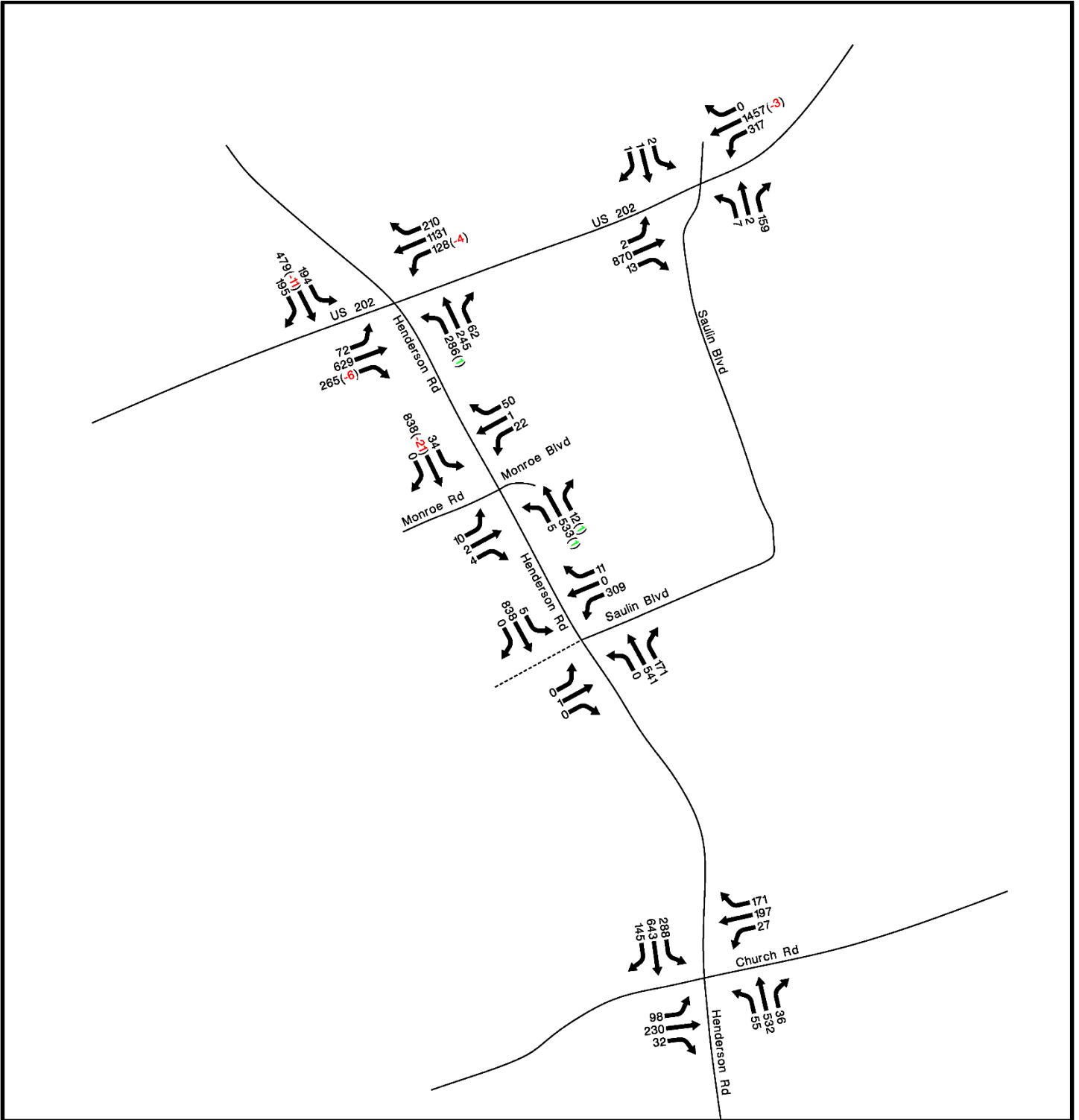


Henderson Station

Balancing Diagram – AM Peak Hour





GENERAL Volume Adjustments represent revisions to balance volumes between intersections.

NOTES: For volume adjustments between intersections: GREEN highlight represents volume additions; RED highlight represents volume subtractions.

Volume decreases between Intersections 2 and 4 are attributed to shopping center driveways between intersections.

Volume decreases between Intersections 2 and 5 are attributed to businesses between intersections.

STATION: CONVENTION CENTER / 1ST AND MOORE

Intersection: Gulph Road & 1st Avenue

Start Time	N. Gulph Road Southbound				1st Avenue Westbound				N. Gulph Road Northbound				1st Avenue Eastbound			
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2014 Volumes:	111	605	38		106	117	24		4	266	904		4	228	277	
PHF:	0.867	0.951	0.679		0.914	0.914	0.750		0.500	0.811	0.904		0.500	0.891	0.888	
% HV:	0.0%	0.5%	2.6%		3.8%	5.1%	8.3%		0.0%	1.9%	0.7%		0.0%	1.8%	0.0%	

NOTE: Volume decreases exist between Gulph Road/1st Avenue and 1st Avenue/Moore Road intersections. Volume difference is attributed to Casino Convention Center and business driveways.

Intersection: 1 - 1st Avenue & Moore Road

Start Time	Moore Road Southbound				1st Avenue Westbound				Moore Road Northbound				1st Avenue Eastbound			
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	110	23	27		43	236	89		2	8	11		305	814	13	
PHF:	0.887	0.464	0.614		0.597	0.831	0.927		0.500	0.667	0.550		0.847	0.938	0.464	
% HV:	1.8%	0.0%	11.1%		0.0%	3.0%	1.1%		0.0%	0.0%	9.1%		0.0%	1.1%	0.0%	

STATION: HENDERSON ROAD

Intersection: 2 - Henderson Road & Saulin Boulevard

Start Time	Henderson Road Southbound				Saulin Boulevard Westbound				Henderson Road Northbound				Saulin Boulevard Eastbound			
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	5	838	0		309	0	11		0	541	171		0	1	0	
PHF:	0.625	0.948	-		0.920	-	0.550		-	0.920	0.763		-	0.250	-	
% HV:	0.0%	3.8%	0.0%		2.6%	0.0%	9.1%		0.0%	5.2%	1.2%		0.0%	0.0%	0.0%	

STATION: HENDERSON ROAD

Intersection: 3 - Henderson Road & Monroe Boulevard/Road

	Henderson Road Southbound				Monroe Boulevard Westbound				Henderson Road Northbound				Monroe Road Eastbound			
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	34	838	0		22	1	50		5	533	12		10	2	4	
Volme Adjustment:	-	-21	-		-	-	-		-	1	1		-	-	-	
Adjusted Volumes:		817								534	13					
PHF:	0.708	0.931	-		0.688	0.250	0.735		0.625	0.882	0.500		0.500	0.250	0.500	
% HV:	5.9%	3.8%	0.0%		0.0%	0.0%	6.0%		0.0%	4.9%	8.3%		0.0%	0.0%	0.0%	

Intersection: US 202/Dekalb Pike & Henderson Road

	Henderson Road Southbound				US 202 / Dekalb Pike Westbound				Henderson Road Northbound				US 202 / Dekalb Pike Eastbound			
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2011 Volumes:	194	479	195		128	1131	210		286	245	62		72	629	265	
Volme Adjustment:	-	-11	-		-4	-	-		1	-	-		-	-	-6	
Adjusted Volumes:		468			124				287						259	
PHF:																
% HV:																

NOTE: Volumes for Dekalb Pike (US 202) & Henderson Road intersection were calculated using adjacent intersection totals taken from M&S February 2015 counts. Turning movement percentages per approach were taken from McMahan 2011 counts.

Since McMahan counts only had peak hour volumes, the default from SYNCHRO were used for PHF and % Heavy Vehicles, 0.92 and 2% respectively.

Intersection: 4 - US 202/Dekalb Pike & Saulin Boulevard

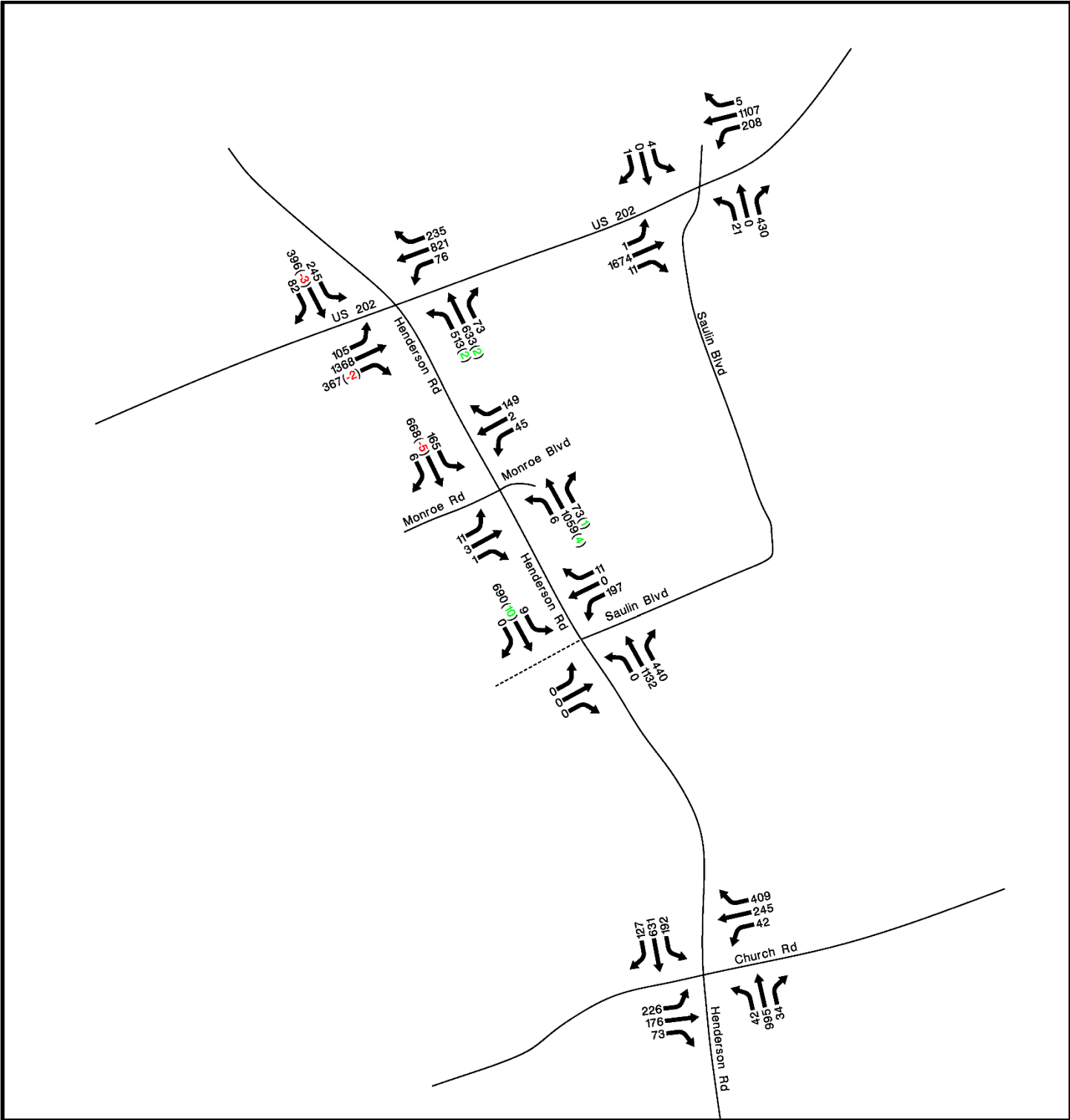
	Saulin Boulevard Southbound				US 202 / Dekalb Pike Westbound				Saulin Boulevard Northbound				US 202 / Dekalb Pike Eastbound			
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	2	1	1		317	1460	0		7	2	159		2	870	13	
Volme Adjustment:	-	-	-		-	3	-		-	-	-		-	-	-	
Adjusted Volumes:						1463										
PHF:	0.250	0.250	0.500		0.922	0.908	0.000		0.438	0.500	0.883		0.500	0.926	0.542	
% HV:	0.0%	0.0%	100.0%		1.6%	1.0%	0.0%		14.3%	50.0%	2.5%		50.0%	2.4%	23.1%	

STATION: HENDERSON ROAD

Intersection: 5 - Henderson Road & Church Road

	Henderson Road Southbound				Church Road Westbound				Henderson Road Northbound				Church Road Eastbound			
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	288	643	145		27	197	171		55	532	36		98	230	32	
PHF:	0.911	0.919	0.863		0.563	0.835	0.838		0.688	0.930	0.750		0.742	0.757	0.727	
% HV:	2.8%	3.4%	4.1%		11.1%	2.5%	6.4%		3.6%	2.8%	5.6%		1.0%	1.7%	12.5%	

Henderson Station Balancing Diagram – PM Peak Hour



GENERAL Volume Adjustments represent revisions to balance volumes between intersections.

NOTES: When balancing traffic volumes entering/exiting an intersection: GREEN Volume Adjustments represent volume additions; RED Volume Adjustments represent volume subtractions.

Volume decreases between Intersections 2 and 4 are attributed to shopping center driveways between intersections.

Volume decreases between Intersections 2 and 5 are attributed to businesses between intersections.

STATION: CONVENTION CENTER / 1ST AND MOORE

Intersection: Gulph Road & 1st Avenue

Start Time	N. Gulph Road Southbound				1st Avenue Westbound				N. Gulph Road Northbound				1st Avenue Eastbound			
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2014 Volumes:	50	311	23		611	391	119		26	1147	433		14	81	282	
PHF:	0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000	0.000	
% HV:	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	

NOTE: Volume decreases exist between Gulph Road/1st Avenue and 1st Avenue/Moore Road intersections. Volume difference is attributed to Casino Convention Center and business driveways.

Intersection: 1 - 1st Avenue & Moore Road

Start Time	Moore Road Southbound				1st Avenue Westbound				Moore Road Northbound				1st Avenue Eastbound			
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	136	9	322		20	657	259		21	57	48		155	321	4	
PHF:	0.694	0.500	0.830		0.833	0.869	0.830		0.875	0.679	0.667		0.760	0.772	0.500	
% HV:	0.7%	0.0%	0.0%		0.0%	0.8%	0.8%		0.0%	0.0%	0.0%		0.0%	1.9%	0.0%	

STATION: HENDERSON ROAD

Intersection: 2 - Henderson Road & Saulin Boulevard

Start Time	Henderson Road Southbound				Saulin Boulevard Westbound				Henderson Road Northbound				Saulin Boulevard Eastbound			
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	9	690	0		197	0	11		0	1132	440		0	0	0	
Volume Adjustment:		10														
Adjusted Volumes:		700														
PHF:	0.375	0.938	-		0.912	-	0.688		-	0.920	0.763		-	0.250	-	
% HV:	11.1%	1.3%	0.0%		1.0%	0.0%	0.0%		0.0%	5.2%	1.2%		0.0%	0.0%	0.0%	

STATION: HENDERSON ROAD

Intersection: 3 - Henderson Road & Monroe Boulevard/Road

	Henderson Road Southbound				Monroe Boulevard Westbound				Henderson Road Northbound				Monroe Road Eastbound			
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	165	668	6		45	2	149		6	1059	73		11	3	1	
Volme Adjustment:	-	-5	-		-	-	-		-	4	1		-	-	-	
Adjusted Volumes:		663								1063	74					
PHF:	0.859	0.923	0.375		0.750	0.500	0.931		0.750	0.932	0.730		0.688	0.375	0.250	
% HV:	1.8%	1.6%	0.0%		0.0%	0.0%	1.3%		0.0%	1.0%	0.0%		0.0%	0.0%	0.0%	

Intersection: US 202/Dekalb Pike & Henderson Road

	Henderson Road Southbound				US 202 / Dekalb Pike Westbound				Henderson Road Northbound				US 202 / Dekalb Pike Eastbound			
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2011 Volumes:	245	396	82		105	1368	367		513	633	73		76	821	235	
Volme Adjustment:	-	-3	-		-	-	-2		2	2	-		-	-	-	
Adjusted Volumes:		393							515	635						
PHF:																
% HV:																

NOTE: Volumes for Dekalb Pike (US 202) & Henderson Road intersection were calculated using adjacent intersection totals taken from M&S February 2015 counts. Turning movement percentages per approach were taken from McMahan 2011 counts.

Since McMahan counts only had peak hour volumes, the default from SYNCHRO were used for PHF and % Heavy Vehicles, 0.92 and 2% respectively.

Intersection: 4 - US 202/Dekalb Pike & Saulin Boulevard

	Saulin Boulevard Southbound				US 202 / Dekalb Pike Westbound				Saulin Boulevard Northbound				US 202 / Dekalb Pike Eastbound			
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	4	0	1		208	1110	5		21	0	430		1	1674	11	
Volme Adjustment:	-	-	-		-	-	-		-	-	-		-	-	-	
Adjusted Volumes:																
PHF:	1.000	0.000	0.250		0.945	0.910	0.417		0.656	0.000	0.951		0.250	0.938	0.688	
% HV:	50.0%	0.0%	0.0%		2.4%	0.7%	40.0%		9.5%	0.0%	0.9%		0.0%	0.3%	9.1%	



STATION: HENDERSON ROAD

Intersection: 5 - Henderson Road & Church Road

	Henderson Road Southbound				Church Road Westbound				Henderson Road Northbound				Church Road Eastbound			
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds
2015 Volumes:	192	631	127		42	245	409		42	995	34		226	176	73	
PHF:	0.980	0.923	0.794		0.875	0.828	0.965		0.656	0.932	0.850		0.869	0.786	0.676	
% HV:	1.0%	1.1%	1.6%		2.4%	0.0%	0.7%		0.0%	1.2%	2.9%		0.4%	0.0%	1.4%	