

Village of Waterford Speed and Volume Summary Results



Speed and Volume data collected on 10/9/19 & 10/10/19

SPEED STUDY
First Street (Route 662), Loyalty Rd, Clarkes Gap Rd, High Street,
Second Street, Water Street, And Main Street
LOUDOUN COUNTY, VIRGINIA

Prepared For

LOUDOUN COUNTY

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TABLE OF CONTENTS

<u>SECTION</u>	<u>Page No.</u>
INTRODUCTION.....	1
DATA COLLECTION.....	1
ANALYSIS.....	1
RESULTS.....	1

INTRODUCTION

Loudoun County requested a speed study to be conducted on First Street (Route 662), Loyalty Rd, Clarkes Gap Rd, High Street, Second Street, Water Street, and Main Street in Waterford (See Exhibit A for location of speed studies). Truck counts were also conducted at the same time as the speed study.

The data was collected using road tubes and portable machines for a 48-hour period. The data collected was analyzed and a summary report prepared for each study site listing the average speed along with the average daily traffic volumes and other relevant statistics. The truck percentages were also computed.

DATA COLLECTION

NDS collected traffic volumes, vehicle classification and speed data at the seven locations using road tubes and automatic traffic recorders (ATRs) for a period of 48-hours each. The ATRs were set to record speeds and vehicle volume/class at the seven locations. The exact location of the speed sensors are shown in Exhibits 001 through 007 for the seven roadways. See Exhibit B for weather reports and posted speed limits.

ANALYSIS

The data collected was analyzed to develop the speed related statistics. The speed data and vehicle count data in hourly intervals for the 48-hour period is included in the Appendix.

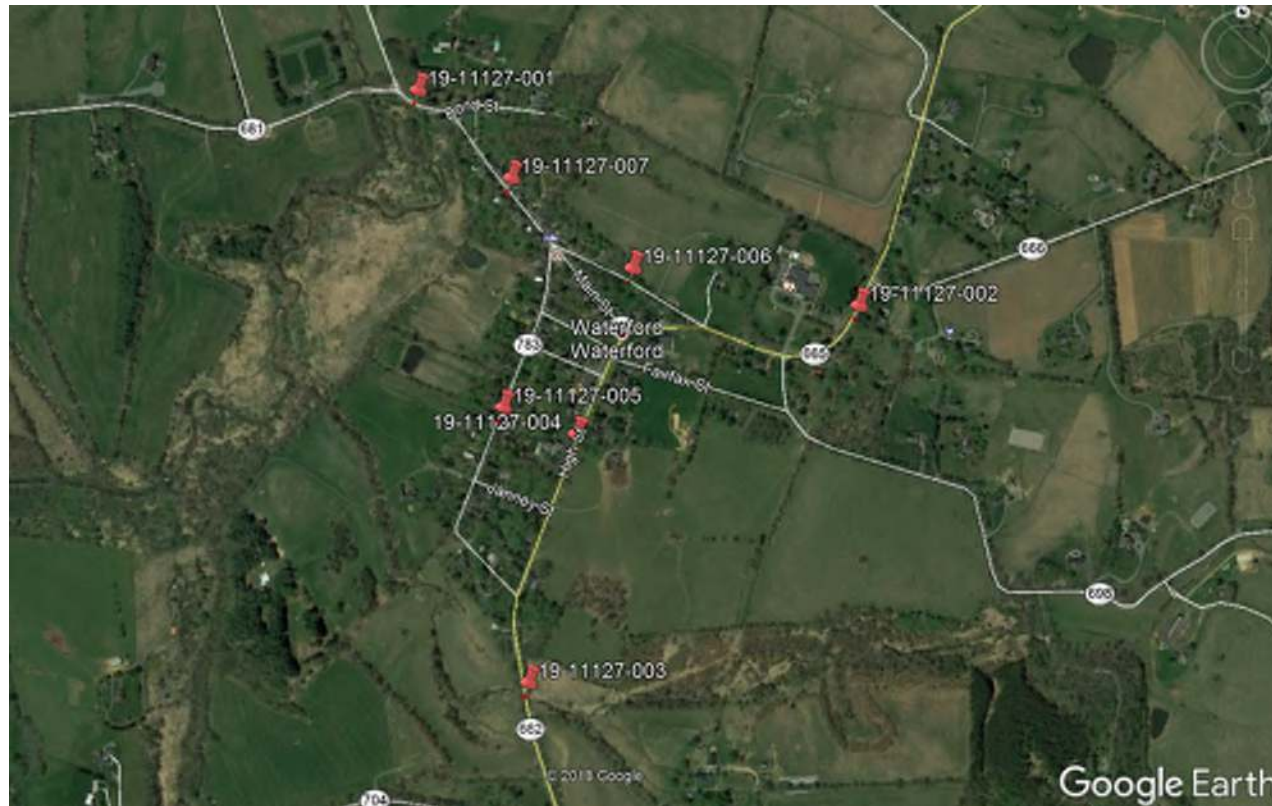
RESULTS

The data analysis resulted in the statistics for the seven count locations in the Appendix.

WATERFORD

Vicinity Map

Loudoun County, Virginia



SPEED STUDY LOCATIONS

Exhibit A

Exhibit B

CITY: WATERFORD

DATE: 10/9/2019 & 10/10/2019

Location: 1

Description: Route 662 Bet. Old Wheatland Rd & Bond St/ Main St

Weather Forecast Day 1: Sunny

Weather Forecast Day 2: Sunny

Posted Speed Limit: 20 MPH

Location: 2

Description: Loyalty Rd Bet. Browns Ln & Butchers Row/Moxley Hall

Weather Forecast Day 1: Sunny

Weather Forecast Day 2: Sunny

Posted Speed Limit: 30 MPH

Location: 3

Description: Clarkes Gap Rd Bet. Factory St & Hamilton Station Rd

Weather Forecast Day 1: Sunny

Weather Forecast Day 2: Sunny

Posted Speed Limit: 20 MPH

Location: 4

Description: High St Bet. Janney St & Patrick St

Weather Forecast Day 1: Sunny

Weather Forecast Day 2: Sunny

Posted Speed Limit: 20 MPH

Location: 5

Description: 2nd St Bet. Janney St & Patrick St

Weather Forecast Day 1: Sunny

Weather Forecast Day 2: Sunny

Posted Speed Limit: 20 MPH

Location: 6

Description: Water St Bet. Butchers Row & Main St

Weather Forecast Day 1: Sunny

Weather Forecast Day 2: Sunny

Posted Speed Limit: None

Location: 7

Description: Main St Bet. 2nd St & Route 662

Weather Forecast Day 1: Sunny

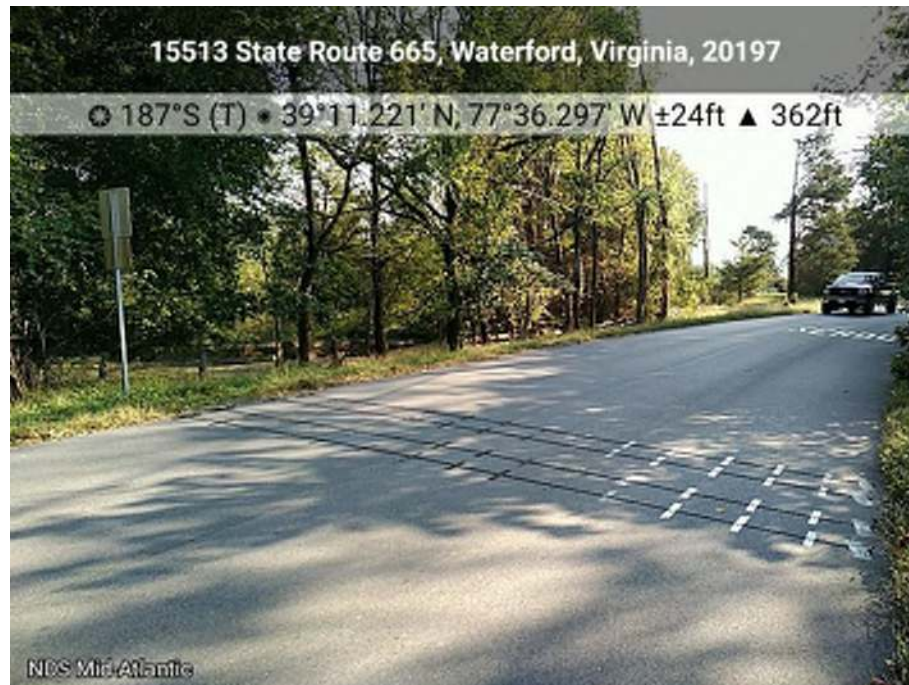
Weather Forecast Day 2: Sunny

Posted Speed Limit: 20 MPH



First Street (Route 662)

Exhibit 001



Loyalty Rd

Exhibit 002



Clarkes Gap Rd

Exhibit 003



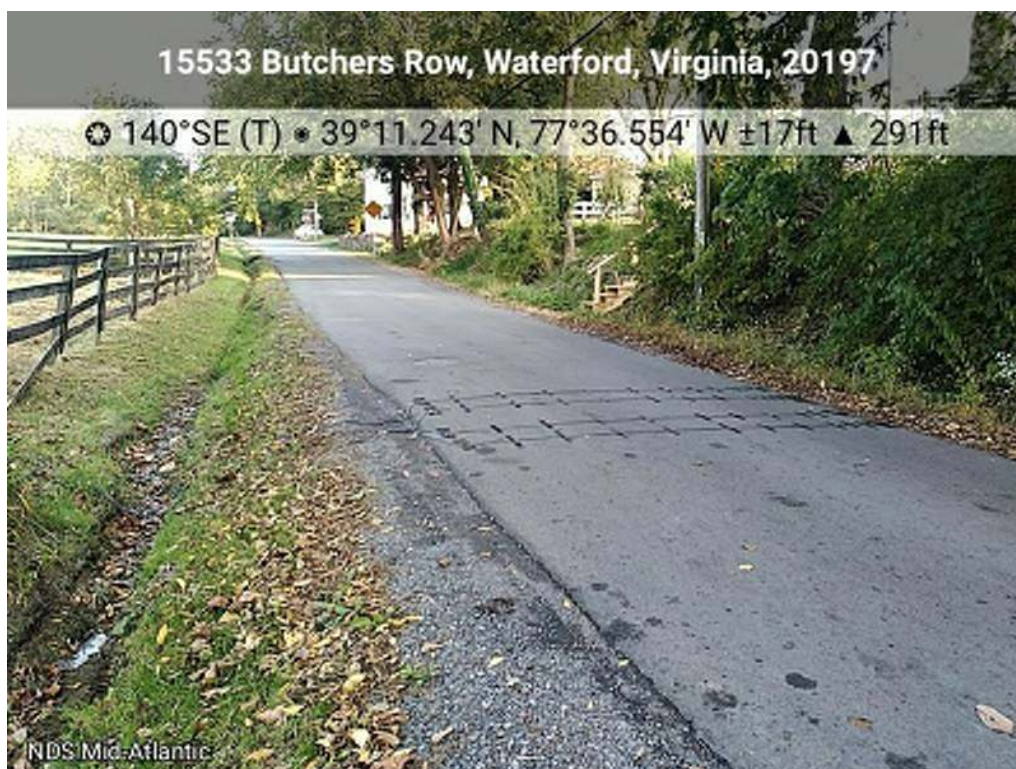
High Street

Exhibit 004



Second Street

Exhibit 005



Water Street

Exhibit 006



Main Street

Exhibit 007

SPEED

Route 662 Bet. Old Wheatland Rd & Bond St/ Main St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_001e

East Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	10	11	4	0	0	0	0	0	0	0	26
05:00	0	2	13	42	56	15	0	0	0	0	0	0	0	128
06:00	0	3	62	191	74	6	0	0	0	0	0	0	0	336
07:00	2	22	123	229	35	3	0	0	0	0	0	0	0	414
08:00	0	10	63	138	38	2	0	0	0	0	0	0	0	251
09:00	1	10	33	64	20	3	0	0	0	0	0	0	0	131
10:00	0	4	26	39	17	0	0	0	0	0	0	0	0	86
11:00	0	0	14	32	17	2	0	0	0	0	0	0	0	65
12:00 PM	1	3	14	28	11	0	0	0	0	0	0	0	0	57
13:00	0	4	11	21	12	0	0	0	0	0	0	0	0	48
14:00	0	4	14	21	23	3	0	0	0	0	0	0	0	65
15:00	1	6	21	32	17	1	0	0	0	0	0	0	0	78
16:00	0	0	9	26	13	2	0	0	0	0	0	0	0	50
17:00	0	1	12	32	25	0	0	0	0	0	0	0	0	70
18:00	0	5	13	26	12	1	0	0	0	0	0	0	0	57
19:00	0	1	11	14	6	0	0	0	0	0	0	0	0	32
20:00	0	2	4	5	5	0	0	0	0	0	0	0	0	16
21:00	0	0	2	3	4	1	0	0	0	0	0	0	0	10
22:00	0	0	1	0	2	0	0	0	0	0	0	0	0	3
23:00	0	1	0	0	4	0	0	0	0	0	0	0	0	5
Totals	5	79	447	954	402	43								1930
% of Totals	0%	4%	23%	49%	21%	2%								100%

AM Volumes	3	52	335	746	268	35	0	0	0	0	0	0	0	1439
% AM	0%	3%	17%	39%	14%	2%								75%
AM Peak Hour	07:00	07:00	07:00	07:00	06:00	05:00								07:00
Volume	2	22	123	229	74	15								414
PM Volumes	2	27	112	208	134	8	0	0	0	0	0	0	0	491
% PM	0%	1%	6%	11%	7%	0%								25%
PM Peak Hour	12:00	15:00	15:00	15:00	17:00	14:00								15:00
Volume	1	6	21	32	25	3								78
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		665	↔ 34%	105	↔ 5%	120	↔ 6%	1040	↔ 54%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Route 662	East Bound	22	27	27	32	34	1930
Route 662	West Bound	22	27	27	30	34	2420

SPEED

Route 662 Bet. Old Wheatland Rd & Bond St/ Main St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_001w

West Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	2	0	0	0	0	0	0	0	0	3
02:00	0	0	1	1	1	0	0	0	0	0	0	0	0	3
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	0	1	3	0	1	0	0	0	0	0	0	0	0	5
06:00	0	3	5	2	1	0	0	0	0	0	0	0	0	11
07:00	0	3	17	23	2	1	0	0	0	0	0	0	0	46
08:00	0	4	16	10	0	0	0	0	0	0	0	0	0	30
09:00	0	4	9	14	3	0	0	0	0	0	0	0	0	30
10:00	1	4	22	16	3	0	0	0	0	0	0	0	0	46
11:00	1	2	18	29	7	0	0	0	0	0	0	0	0	57
12:00 PM	0	7	20	36	12	1	0	0	0	0	0	0	0	76
13:00	0	2	16	45	15	1	0	0	0	0	0	0	0	79
14:00	0	2	35	86	24	3	0	0	0	0	0	0	0	150
15:00	1	7	72	199	59	4	0	0	0	0	0	0	0	342
16:00	5	19	68	301	88	5	0	0	0	0	0	0	0	486
17:00	0	8	129	262	53	2	0	0	0	0	0	0	0	454
18:00	0	7	86	185	26	1	0	0	0	0	0	0	0	305
19:00	0	8	32	73	13	0	0	0	0	0	0	0	0	126
20:00	0	2	32	43	10	0	0	0	0	0	0	0	0	87
21:00	0	1	11	24	6	1	0	0	0	0	0	0	0	43
22:00	0	0	6	10	6	1	0	0	0	0	0	0	0	23
23:00	0	0	5	7	1	2	0	0	0	0	0	0	0	15
Totals	8	84	604	1368	334	22								2420
% of Totals	0%	3%	25%	57%	14%	1%								100%

AM Volumes	2	21	92	97	21	1	0	0	0	0	0	0	0	234
% AM	0%	1%	4%	4%	1%	0%								10%
AM Peak Hour	10:00	08:00	10:00	11:00	11:00	07:00								11:00
Volume	1	4	22	29	7	1								57
PM Volumes	6	63	512	1271	313	21	0	0	0	0	0	0	0	2186
% PM	0%	3%	21%	53%	13%	1%								90%
PM Peak Hour	16:00	16:00	17:00	16:00	16:00	16:00								16:00
Volume	5	19	129	301	88	5								486
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		76	↔ 3%	155	↔ 6%	940	↔ 39%	1249	↔ 52%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Route 662	East Bound	22	27	27	32	34	1930
Route 662	West Bound	22	27	27	30	34	2420

SPEED

Route 662 Bet. Old Wheatland Rd & Bond St/ Main St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_001

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	2	0	0	0	0	0	0	0	0	3
02:00	0	1	1	2	1	0	0	0	0	0	0	0	0	5
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
04:00	0	0	1	11	11	4	0	0	0	0	0	0	0	27
05:00	0	3	16	42	57	15	0	0	0	0	0	0	0	133
06:00	0	6	67	193	75	6	0	0	0	0	0	0	0	347
07:00	2	25	140	252	37	4	0	0	0	0	0	0	0	460
08:00	0	14	79	148	38	2	0	0	0	0	0	0	0	281
09:00	1	14	42	78	23	3	0	0	0	0	0	0	0	161
10:00	1	8	48	55	20	0	0	0	0	0	0	0	0	132
11:00	1	2	32	61	24	2	0	0	0	0	0	0	0	122
12:00 PM	1	10	34	64	23	1	0	0	0	0	0	0	0	133
13:00	0	6	27	66	27	1	0	0	0	0	0	0	0	127
14:00	0	6	49	107	47	6	0	0	0	0	0	0	0	215
15:00	2	13	93	231	76	5	0	0	0	0	0	0	0	420
16:00	5	19	77	327	101	7	0	0	0	0	0	0	0	536
17:00	0	9	141	294	78	2	0	0	0	0	0	0	0	524
18:00	0	12	99	211	38	2	0	0	0	0	0	0	0	362
19:00	0	9	43	87	19	0	0	0	0	0	0	0	0	158
20:00	0	4	36	48	15	0	0	0	0	0	0	0	0	103
21:00	0	1	13	27	10	2	0	0	0	0	0	0	0	53
22:00	0	0	7	10	8	1	0	0	0	0	0	0	0	26
23:00	0	1	5	7	5	2	0	0	0	0	0	0	0	20
Totals	13	163	1051	2322	736	65								4350
% of Totals	0%	4%	24%	53%	17%	1%								100%

AM Volumes	5	73	427	843	289	36	0	0	0	0	0	0	0	1673
% AM	0%	2%	10%	19%	7%	1%								38%
AM Peak Hour	07:00	07:00	07:00	07:00	06:00	05:00								07:00
Volume	2	25	140	252	75	15								460
PM Volumes	8	90	624	1479	447	29	0	0	0	0	0	0	0	2677
% PM	0%	2%	14%	34%	10%	1%								62%
PM Peak Hour	16:00	16:00	17:00	16:00	16:00	16:00								16:00
Volume	5	19	141	327	101	7								536
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		741	17%	260	6%	1060	24%	2289	53%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Route 662	Summary	22	27	27	31	34	4350

VOLUME

Route 662 Bet. Old Wheatland Rd & Bond St/ Main St

Day: Wednesday
Date: 10/9/2019

City: Waterford
Project #: VA19_11127_001

DAILY TOTALS					NB	SB						EB	WB	Total
					0	0						1,930	2,420	4,350
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00	0	0	0	0	1	1	12:00	0	0	17	11	28		
00:15	0	0	0	0			12:15	0	0	17	20	37		
00:30	0	0	0	1			12:30	0	0	10	24	34		
00:45	0	0	0	0			12:45	0	0	13	57	21	76	133
01:00	0	0	0	0	2	3	13:00	0	0	10	23	33		
01:15	0	0	0	0			13:15	0	0	13	16	29		
01:30	0	0	0	2			13:30	0	0	11	16	27		
01:45	0	0	0	1			13:45	0	0	14	48	24	79	127
02:00	0	0	0	2	2	5	14:00	0	0	16	19	35		
02:15	0	0	2	0			14:15	0	0	21	41	62		
02:30	0	0	0	1			14:30	0	0	14	40	54		
02:45	0	0	0	2			14:45	0	0	14	65	50	150	215
03:00	0	0	0	0	1	1	15:00	0	0	18	52	70		
03:15	0	0	0	0			15:15	0	0	15	82	97		
03:30	0	0	0	1			15:30	0	0	16	100	116		
03:45	0	0	0	0			15:45	0	0	29	78	108	342	420
04:00	0	0	3	1	4	27	16:00	0	0	13	101	114		
04:15	0	0	5	0			16:15	0	0	9	119	128		
04:30	0	0	8	0			16:30	0	0	18	127	145		
04:45	0	0	10	26			16:45	0	0	10	50	139	486	536
05:00	0	0	12	1	13	133	17:00	0	0	20	127	147		
05:15	0	0	27	0			17:15	0	0	17	105	122		
05:30	0	0	46	2			17:30	0	0	17	130	147		
05:45	0	0	43	128			17:45	0	0	16	70	92	454	524
06:00	0	0	51	2	53	347	18:00	0	0	14	89	103		
06:15	0	0	86	3			18:15	0	0	15	81	96		
06:30	0	0	88	3			18:30	0	0	17	63	80		
06:45	0	0	111	336			18:45	0	0	11	57	72	305	362
07:00	0	0	105	8	113	460	19:00	0	0	6	47	53		
07:15	0	0	84	9			19:15	0	0	11	31	42		
07:30	0	0	114	13			19:30	0	0	11	25	36		
07:45	0	0	111	414			19:45	0	0	4	32	23	126	158
08:00	0	0	92	8	100	281	20:00	0	0	4	19	23		
08:15	0	0	59	4			20:15	0	0	3	21	24		
08:30	0	0	67	5			20:30	0	0	5	16	21		
08:45	0	0	33	251			20:45	0	0	4	16	31	87	103
09:00	0	0	41	5	46	161	21:00	0	0	4	12	16		
09:15	0	0	34	7			21:15	0	0	2	11	13		
09:30	0	0	33	10			21:30	0	0	2	7	9		
09:45	0	0	23	131			21:45	0	0	2	10	13	43	53
10:00	0	0	23	9	32	132	22:00	0	0	1	5	6		
10:15	0	0	20	7			22:15	0	0	2	7	9		
10:30	0	0	23	15			22:30	0	0	0	8	8		
10:45	0	0	20	86			22:45	0	0	0	3	3	23	26
11:00	0	0	15	14	29	122	23:00	0	0	1	4	5		
11:15	0	0	15	10			23:15	0	0	0	5	5		
11:30	0	0	17	14			23:30	0	0	3	4	7		
11:45	0	0	18	65			23:45	0	0	1	5	2	15	20
TOTALS				1439	234	1673	TOTALS				491	2186	2677	
SPLIT %				86.0%	14.0%	38.5%	SPLIT %				18.3%	81.7%	61.5%	

DAILY TOTALS					NB	SB						EB	WB	Total
					0	0						1,930	2,420	4,350
AM Peak Hour				06:45	11:45	07:00	PM Peak Hour				15:00	16:15	16:15	
AM Pk Volume				414	74	460	PM Pk Volume				78	512	569	
Pk Hr Factor				0.908	0.771	0.906	Pk Hr Factor				0.672	0.921	0.955	
7 - 9 Volume	0	0	665	76	741	4 - 6 Volume	0	0	120	940	1060			
7 - 9 Peak Hour				07:00	07:00	07:00	4 - 6 Peak Hour				17:00	16:15	16:15	
7 - 9 Pk Volume	0	0	414	46	460	4 - 6 Pk Volume	0	0	70	512	569			
Pk Hr Factor	0.000	0.000	0.908	0.719	0.906	Pk Hr Factor	0.000	0.000	0.875	0.921	0.955			

SPEED

Route 662 Bet. Old Wheatland Rd & Bond St/ Main St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_001e

East Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	11	12	1	1	0	0	0	0	0	0	26
05:00	0	1	11	49	46	8	2	0	0	0	0	0	0	117
06:00	0	1	45	171	105	11	0	0	0	0	0	0	0	333
07:00	5	10	108	222	54	3	0	0	0	0	0	0	0	402
08:00	3	16	81	118	42	2	0	0	0	0	0	0	0	262
09:00	0	2	28	73	24	1	0	0	0	0	0	0	0	128
10:00	0	4	27	46	21	1	0	0	0	0	0	0	0	99
11:00	0	7	10	38	20	2	0	0	0	0	0	0	0	77
12:00 PM	1	4	14	27	12	2	0	0	0	0	0	0	0	60
13:00	0	4	11	30	12	3	1	0	0	0	0	0	0	61
14:00	1	3	15	19	22	1	0	0	0	0	0	0	0	61
15:00	0	6	14	30	13	1	0	0	0	0	0	0	0	64
16:00	0	1	13	35	19	1	2	0	0	0	0	0	0	71
17:00	2	2	13	43	15	2	1	0	0	0	0	0	0	78
18:00	0	3	17	17	12	1	0	0	0	0	0	0	0	50
19:00	0	3	5	15	4	1	0	0	0	0	0	0	0	28
20:00	0	1	9	3	2	1	0	0	0	0	0	0	0	16
21:00	1	0	2	7	2	1	0	0	0	0	0	0	0	13
22:00	0	0	4	2	0	0	0	0	0	0	0	0	0	6
23:00	0	0	0	0	2	2	0	0	0	0	0	0	0	4
Totals	13	69	429	958	440	45	7							1961
% of Totals	1%	4%	22%	49%	22%	2%	0%							100%

AM Volumes	8	42	312	730	325	29	3	0	0	0	0	0	0	1449
% AM	0%	2%	16%	37%	17%	1%	0%							74%
AM Peak Hour	07:00	08:00	07:00	07:00	06:00	06:00	05:00							07:00
Volume	5	16	108	222	105	11	2							402
PM Volumes	5	27	117	228	115	16	4	0	0	0	0	0	0	512
% PM	0%	1%	6%	12%	6%	1%	0%							26%
PM Peak Hour	17:00	15:00	18:00	17:00	14:00	13:00	16:00							17:00
Volume	2	6	17	43	22	3	2							78
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		664	↔ 34%	121	↔ 6%	149	↔ 8%	1027	↔ 52%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Route 662	East Bound	22	27	27	32	34	1961
Route 662	West Bound	22	27	26	30	33	2569

SPEED

Route 662 Bet. Old Wheatland Rd & Bond St/ Main St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_001w

West Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	1	1	0	0	0	0	0	0	0	3
01:00	0	1	1	4	0	0	0	0	0	0	0	0	0	6
02:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2
03:00	0	0	1	3	0	0	0	0	0	0	0	0	0	4
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	2	1	0	0	0	0	0	0	0	0	0	3
06:00	0	3	6	4	2	0	0	0	0	0	0	0	0	15
07:00	0	8	14	14	1	0	0	0	0	0	0	0	0	37
08:00	0	2	20	13	1	0	0	0	0	0	0	0	0	36
09:00	0	2	16	11	7	0	0	0	0	0	0	0	0	36
10:00	1	8	17	20	5	0	0	0	0	0	0	0	0	51
11:00	0	4	28	16	7	0	0	0	0	0	0	0	0	55
12:00 PM	1	6	25	29	9	0	0	0	0	0	0	0	0	70
13:00	0	5	28	37	10	0	0	0	0	0	0	0	0	80
14:00	0	9	41	82	29	1	0	0	0	0	0	0	0	162
15:00	4	8	79	196	44	5	0	0	0	0	0	0	0	336
16:00	0	6	97	308	81	0	0	0	0	0	0	0	0	492
17:00	0	14	145	306	37	1	0	0	0	0	0	0	0	503
18:00	0	7	100	212	31	2	0	0	0	0	0	0	0	352
19:00	0	2	36	94	15	0	0	0	0	0	0	0	0	147
20:00	0	1	20	47	11	0	0	0	0	0	0	0	0	79
21:00	2	4	13	16	14	0	0	0	0	0	0	0	0	49
22:00	0	2	13	19	4	2	0	0	0	0	0	0	0	40
23:00	0	0	5	5	1	0	0	0	0	0	0	0	0	11
Totals	8	92	708	1438	311	12								2569
% of Totals	0%	4%	28%	56%	12%	0%								100%

AM Volumes	1	28	106	87	25	1	0	0	0	0	0	0	0	248
% AM	0%	1%	4%	3%	1%	0%								10%
AM Peak Hour	10:00	07:00	11:00	10:00	09:00									11:00
Volume	1	8	28	20	7	1								55
PM Volumes	7	64	602	1351	286	11	0	0	0	0	0	0	0	2321
% PM	0%	2%	23%	53%	11%	0%								90%
PM Peak Hour	15:00	17:00	17:00	16:00	16:00	15:00								17:00
Volume	4	14	145	308	81	5								503
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		73	↔ 3%	150	↔ 6%	995	↔ 39%	1351	↔ 53%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Route 662	East Bound	22	27	27	32	34
Route 662	West Bound	22	27	26	30	33
		ADT				
		1961				
		2569				

SPEED

Route 662 Bet. Old Wheatland Rd & Bond St/ Main St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_001

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	2	1	0	0	0	0	0	0	0	4
01:00	0	1	2	5	0	0	0	0	0	0	0	0	0	8
02:00	0	0	1	1	1	0	0	0	0	0	0	0	0	3
03:00	0	1	1	3	0	0	0	0	0	0	0	0	0	5
04:00	0	0	1	11	12	1	1	0	0	0	0	0	0	26
05:00	0	1	13	50	46	8	2	0	0	0	0	0	0	120
06:00	0	4	51	175	107	11	0	0	0	0	0	0	0	348
07:00	5	18	122	236	55	3	0	0	0	0	0	0	0	439
08:00	3	18	101	131	43	2	0	0	0	0	0	0	0	298
09:00	0	4	44	84	31	1	0	0	0	0	0	0	0	164
10:00	1	12	44	66	26	1	0	0	0	0	0	0	0	150
11:00	0	11	38	54	27	2	0	0	0	0	0	0	0	132
12:00 PM	2	10	39	56	21	2	0	0	0	0	0	0	0	130
13:00	0	9	39	67	22	3	1	0	0	0	0	0	0	141
14:00	1	12	56	101	51	2	0	0	0	0	0	0	0	223
15:00	4	14	93	226	57	6	0	0	0	0	0	0	0	400
16:00	0	7	110	343	100	1	2	0	0	0	0	0	0	563
17:00	2	16	158	349	52	3	1	0	0	0	0	0	0	581
18:00	0	10	117	229	43	3	0	0	0	0	0	0	0	402
19:00	0	5	41	109	19	1	0	0	0	0	0	0	0	175
20:00	0	2	29	50	13	1	0	0	0	0	0	0	0	95
21:00	3	4	15	23	16	1	0	0	0	0	0	0	0	62
22:00	0	2	17	21	4	2	0	0	0	0	0	0	0	46
23:00	0	0	5	5	3	2	0	0	0	0	0	0	0	15
Totals	21	161	1137	2396	751	57	7							4530
% of Totals	0%	4%	25%	53%	17%	1%	0%							100%

AM Volumes	9	70	418	817	350	30	3	0	0	0	0	0	0	1697
% AM	0%	2%	9%	18%	8%	1%	0%							37%
AM Peak Hour	07:00	07:00	07:00	07:00	06:00	06:00	05:00							07:00
Volume	5	18	122	236	107	11	2							439
PM Volumes	12	91	719	1579	401	27	4	0	0	0	0	0	0	2833
% PM	0%	2%	16%	35%	9%	1%	0%							63%
PM Peak Hour	15:00	17:00	17:00	17:00	16:00	15:00	16:00							17:00
Volume	4	16	158	349	100	6	2							581
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		737	16%	271	6%	1144	25%	2378	52%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Route 662	Summary	22	27	27	31	34
		ADT				
		4530				

VOLUME

Route 662 Bet. Old Wheatland Rd & Bond St/ Main St

Day: Thursday
Date: 10/10/2019

City: Waterford
Project #: VA19_11127_001

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,961	2,569						4,530
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							
00:00	0	0	0	0			12:00	0	0	16	21								
00:15	0	0	0	1	1		12:15	0	0	14	17								
00:30	0	0	1	1	2		12:30	0	0	17	15								
00:45	0	0	0	1	1		12:45	0	0	13	60								
01:00	0	0	0	3	3		13:00	0	0	17	14								
01:15	0	0	0	1	1		13:15	0	0	8	18								
01:30	0	0	1	1	2		13:30	0	0	11	27								
01:45	0	0	1	2	2		13:45	0	0	25	61								
02:00	0	0	0	1	1		14:00	0	0	12	32								
02:15	0	0	1	1	2		14:15	0	0	19	22								
02:30	0	0	0	0			14:30	0	0	18	42								
02:45	0	0	0	1	0		14:45	0	0	12	61								
03:00	0	0	1	0	1		15:00	0	0	19	54								
03:15	0	0	0	1	1		15:15	0	0	15	77								
03:30	0	0	0	1	1		15:30	0	0	19	109								
03:45	0	0	0	1	2		15:45	0	0	11	64								
04:00	0	0	3	0	3		16:00	0	0	17	114								
04:15	0	0	6	0	6		16:15	0	0	19	117								
04:30	0	0	10	0	10		16:30	0	0	13	138								
04:45	0	0	7	26	7		16:45	0	0	22	71								
05:00	0	0	17	1	18		17:00	0	0	15	148								
05:15	0	0	25	1	26		17:15	0	0	31	130								
05:30	0	0	26	1	27		17:30	0	0	16	114								
05:45	0	0	49	117	49		17:45	0	0	16	78								
06:00	0	0	59	3	62		18:00	0	0	17	105								
06:15	0	0	73	4	77		18:15	0	0	16	94								
06:30	0	0	82	2	84		18:30	0	0	8	96								
06:45	0	0	119	333	125		18:45	0	0	9	50								
07:00	0	0	98	3	101		19:00	0	0	10	52								
07:15	0	0	94	7	101		19:15	0	0	3	29								
07:30	0	0	106	13	119		19:30	0	0	11	32								
07:45	0	0	104	402	118		19:45	0	0	4	28								
08:00	0	0	87	4	91		20:00	0	0	4	25								
08:15	0	0	64	9	73		20:15	0	0	2	20								
08:30	0	0	62	11	73		20:30	0	0	6	17								
08:45	0	0	49	262	61		20:45	0	0	4	16								
09:00	0	0	34	7	41		21:00	0	0	1	15								
09:15	0	0	40	7	47		21:15	0	0	7	13								
09:30	0	0	28	13	41		21:30	0	0	2	14								
09:45	0	0	26	128	35		21:45	0	0	3	13								
10:00	0	0	24	11	35		22:00	0	0	0	10								
10:15	0	0	29	11	40		22:15	0	0	4	15								
10:30	0	0	22	11	33		22:30	0	0	1	7								
10:45	0	0	24	99	42		22:45	0	0	1	6								
11:00	0	0	16	6	22		23:00	0	0	0	4								
11:15	0	0	25	17	42		23:15	0	0	1	2								
11:30	0	0	17	18	35		23:30	0	0	3	4								
11:45	0	0	19	77	33		23:45	0	0	0	4								
TOTALS	1449				248		TOTALS	512				2321		2833					
SPLIT %	85.4%				14.6%		SPLIT %	18.1%				81.9%		62.5%					

DAILY TOTALS				NB	SB	EB				WB				Total
				0	0									1,961
AM Peak Hour			06:45	11:15	06:45	PM Peak Hour				16:45	16:30	16:30		
AM Pk Volume			417	70	446	PM Pk Volume				84	539	620		
Pk Hr Factor			0.876	0.833	0.892	Pk Hr Factor				0.677	0.910	0.951		
7 - 9 Volume	0	0	664	73	737	4 - 6 Volume		0	0	149	995	1144		
7 - 9 Peak Hour			07:00	07:30	07:00	4 - 6 Peak Hour				16:45	16:30	16:30		
7 - 9 Pk Volume	0	0	402	40	439	4 - 6 Pk Volume		0	0	84	539	620		
Pk Hr Factor	0.000	0.000	0.948	0.714	0.922	Pk Hr Factor		0.000	0.000	0.677	0.910	0.951		

SPEED

Loyalty Rd Bet. Browns Ln & Butchers Row/Moxley Hall

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_002n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	1	0	1	0	1	0	0	0	0	0	0	0	0	3
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	1	1	2	0	0	0	0	0	0	4
05:00	0	0	2	3	5	1	1	0	0	0	0	0	0	12
06:00	0	1	7	13	16	2	0	0	0	0	0	0	0	39
07:00	0	9	15	22	13	6	2	0	0	0	0	0	0	67
08:00	0	2	10	26	21	4	1	0	0	0	0	0	0	64
09:00	0	0	4	20	21	4	0	0	0	0	0	0	0	49
10:00	0	1	10	23	17	1	0	0	0	0	0	0	0	52
11:00	0	2	11	22	15	3	0	0	0	0	0	0	0	53
12:00 PM	0	0	5	28	22	5	0	0	0	0	0	0	0	60
13:00	0	1	6	27	23	9	0	0	0	0	0	0	0	66
14:00	0	2	27	33	35	10	0	0	0	0	0	0	0	107
15:00	0	0	12	72	81	21	2	0	0	0	0	0	0	188
16:00	0	2	39	124	120	32	2	0	0	0	0	0	0	319
17:00	1	3	35	95	102	25	3	0	0	0	0	0	0	264
18:00	2	5	28	69	51	9	0	0	0	0	0	0	0	164
19:00	0	1	14	37	31	10	1	0	0	0	0	0	0	94
20:00	0	0	11	31	16	6	0	0	0	0	0	0	0	64
21:00	0	0	4	7	13	10	2	0	0	0	0	0	0	36
22:00	0	0	3	5	2	0	0	0	0	0	0	0	0	10
23:00	0	0	1	3	4	1	0	0	0	0	0	0	0	9
Totals	4	29	247	661	610	160	16							1727
% of Totals	0%	2%	14%	38%	35%	9%	1%							100%

AM Volumes	1	15	62	130	110	22	6	0	0	0	0	0	0	346
% AM	0%	1%	4%	8%	6%	1%	0%							20%
AM Peak Hour	01:00	07:00	07:00	08:00	08:00	07:00	04:00							07:00
Volume	1	9	15	26	21	6	2							67
PM Volumes	3	14	185	531	500	138	10	0	0	0	0	0	0	1381
% PM	0%	1%	11%	31%	29%	8%	1%							80%
PM Peak Hour	18:00	18:00	16:00	16:00	16:00	16:00	17:00							16:00
Volume	2	5	39	124	120	32	3							319
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		131	8%	126	7%	583	34%	887	51%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Loyalty Rd	North Bound	25	29	29	34	38	1727
Loyalty Rd	South Bound	23	28	28	33	37	1228

SPEED

Loyalty Rd Bet. Browns Ln & Butchers Row/Moxley Hall

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_002s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	5	3	2	0	0	0	0	0	0	0	0	10
05:00	0	0	5	14	8	4	0	0	0	0	0	0	0	31
06:00	0	0	20	31	21	4	5	0	0	0	0	0	0	81
07:00	0	5	67	64	23	4	0	0	0	0	0	0	0	163
08:00	0	0	44	53	57	4	0	0	0	0	0	0	0	158
09:00	0	3	29	39	30	11	1	0	0	0	0	0	0	113
10:00	0	2	16	30	9	4	0	0	0	0	0	0	0	61
11:00	0	1	11	28	16	3	0	0	0	0	0	0	0	59
12:00 PM	0	0	14	24	16	4	1	0	0	0	0	0	0	59
13:00	0	1	7	20	12	4	0	0	0	0	0	0	0	44
14:00	0	1	9	24	13	2	0	0	0	0	0	0	0	49
15:00	0	0	17	32	30	6	1	0	0	0	0	0	0	86
16:00	0	1	18	38	14	4	0	0	0	0	0	0	0	75
17:00	0	0	25	36	30	6	0	0	0	0	0	0	0	97
18:00	0	0	14	23	17	8	1	0	0	0	0	0	0	63
19:00	0	0	13	12	10	5	0	0	0	0	0	0	0	40
20:00	0	0	7	5	3	1	1	0	0	0	0	0	0	17
21:00	0	0	1	6	1	1	0	0	0	0	0	0	0	9
22:00	0	0	0	2	4	1	1	0	0	0	0	0	0	8
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Totals		14	325	484	318	76	11							1228
% of Totals		1%	26%	39%	26%	6%	1%							100%

AM Volumes	0	11	200	262	167	34	6	0	0	0	0	0	0	680	
% AM		1%	16%	21%	14%	3%	0%							55%	
AM Peak Hour		07:00	07:00	07:00	08:00	09:00	06:00							07:00	
Volume		5	67	64	57	11	5							163	
PM Volumes	0	3	125	222	151	42	5	0	0	0	0	0	0	548	
% PM		0%	10%	18%	12%	3%	0%							45%	
PM Peak Hour		13:00	17:00	16:00	15:00	18:00	12:00							17:00	
Volume		1	25	38	30	8	1							97	
Directional Peak Periods			AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes		
All Speeds			Volume		%		Volume		%		Volume		%		
			321	↔	26%		103	↔	8%		172	↔	14%		

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Loyalty Rd	North Bound	25	29	29	34	38	1727
Loyalty Rd	South Bound	23	28	28	33	37	1228

SPEED

Loyalty Rd Bet. Browns Ln & Butchers Row/Moxley Hall

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_002

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	1	0	0	0	0	0	0	0	0	2
01:00	1	0	2	0	1	0	0	0	0	0	0	0	0	4
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3
04:00	0	0	5	3	3	1	2	0	0	0	0	0	0	14
05:00	0	0	7	17	13	5	1	0	0	0	0	0	0	43
06:00	0	1	27	44	37	6	5	0	0	0	0	0	0	120
07:00	0	14	82	86	36	10	2	0	0	0	0	0	0	230
08:00	0	2	54	79	78	8	1	0	0	0	0	0	0	222
09:00	0	3	33	59	51	15	1	0	0	0	0	0	0	162
10:00	0	3	26	53	26	5	0	0	0	0	0	0	0	113
11:00	0	3	22	50	31	6	0	0	0	0	0	0	0	112
12:00 PM	0	0	19	52	38	9	1	0	0	0	0	0	0	119
13:00	0	2	13	47	35	13	0	0	0	0	0	0	0	110
14:00	0	3	36	57	48	12	0	0	0	0	0	0	0	156
15:00	0	0	29	104	111	27	3	0	0	0	0	0	0	274
16:00	0	3	57	162	134	36	2	0	0	0	0	0	0	394
17:00	1	3	60	131	132	31	3	0	0	0	0	0	0	361
18:00	2	5	42	92	68	17	1	0	0	0	0	0	0	227
19:00	0	1	27	49	41	15	1	0	0	0	0	0	0	134
20:00	0	0	18	36	19	7	1	0	0	0	0	0	0	81
21:00	0	0	5	13	14	11	2	0	0	0	0	0	0	45
22:00	0	0	3	7	6	1	1	0	0	0	0	0	0	18
23:00	0	0	1	3	5	1	0	0	0	0	0	0	0	10
Totals	4	43	572	1145	928	236	27							2955
% of Totals	0%	1%	19%	39%	31%	8%	1%							100%

AM Volumes	1	26	262	392	277	56	12	0	0	0	0	0	0	1026
% AM	0%	1%	9%	13%	9%	2%	0%							35%
AM Peak Hour	01:00	07:00	07:00	07:00	08:00	09:00	06:00							07:00
Volume	1	14	82	86	78	15	5							230
PM Volumes	3	17	310	753	651	180	15	0	0	0	0	0	0	1929
% PM	0%	1%	10%	25%	22%	6%	1%							65%
PM Peak Hour	18:00	18:00	17:00	16:00	16:00	16:00	15:00							16:00
Volume	2	5	60	162	134	36	3							394
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		452	15%	229	8%	755	26%	1519	51%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Loyalty Rd	Summary	23	29	29	34	37
		ADT				
		2955				

VOLUME

Loyalty Rd Bet. Browns Ln & Butchers Row/Moxley Hall

Day: Wednesday
Date: 10/9/2019

City: Waterford
Project #: VA19_11127_002

DAILY TOTALS					NB	SB						EB	WB	Total
					1,727	1,228						0	0	2,955
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	1	0	0	0	1	12:00	10	18	0	0	28			
00:15	0	1	0	0	1	12:15	16	8	0	0	24			
00:30	0	0	0	0		12:30	17	24	0	0	41			
00:45	0	1	0	1	2	12:45	17	60	9	59	26	119		
01:00	0	1	0	0	1	13:00	18	17	0	0	35			
01:15	1	0	0	0	1	13:15	20	9	0	0	29			
01:30	2	0	0	0	2	13:30	14	6	0	0	20			
01:45	0	3	0	1	4	13:45	14	66	12	44	26	110		
02:00	0	0	0	0		14:00	17	11	0	0	28			
02:15	1	0	0	0	1	14:15	22	13	0	0	35			
02:30	0	0	0	0		14:30	36	15	0	0	51			
02:45	0	1	0	0	1	14:45	32	107	10	49	42	156		
03:00	1	0	0	0	1	15:00	32	23	0	0	55			
03:15	0	2	0	0	2	15:15	38	24	0	0	62			
03:30	0	0	0	0		15:30	57	22	0	0	79			
03:45	0	1	0	2	3	15:45	61	188	17	86	78	274		
04:00	0	4	0	0	4	16:00	94	17	0	0	111			
04:15	0	3	0	0	3	16:15	68	19	0	0	87			
04:30	2	1	0	0	3	16:30	79	16	0	0	95			
04:45	2	4	2	10	4	16:45	78	319	23	75	101	394		
05:00	0	6	0	0	6	17:00	76	22	0	0	98			
05:15	1	5	0	0	6	17:15	63	29	0	0	92			
05:30	6	6	0	0	12	17:30	76	31	0	0	107			
05:45	5	12	14	31	19	17:45	49	264	15	97	64	361		
06:00	4	12	0	0	16	18:00	48	19	0	0	67			
06:15	10	17	0	0	27	18:15	39	13	0	0	52			
06:30	5	26	0	0	31	18:30	44	18	0	0	62			
06:45	20	39	26	81	46	18:45	33	164	13	63	46	227		
07:00	9	32	0	0	41	19:00	29	15	0	0	44			
07:15	14	26	0	0	40	19:15	26	11	0	0	37			
07:30	18	59	0	0	77	19:30	13	10	0	0	23			
07:45	26	67	46	163	72	19:45	26	94	4	40	30	134		
08:00	17	40	0	0	57	20:00	11	1	0	0	12			
08:15	12	54	0	0	66	20:15	20	5	0	0	25			
08:30	17	37	0	0	54	20:30	18	4	0	0	22			
08:45	18	64	27	158	45	20:45	15	64	7	17	22	81		
09:00	15	37	0	0	52	21:00	11	4	0	0	15			
09:15	14	27	0	0	41	21:15	8	2	0	0	10			
09:30	9	25	0	0	34	21:30	7	1	0	0	8			
09:45	11	49	24	113	35	21:45	10	36	2	9	12	45		
10:00	10	18	0	0	28	22:00	2	4	0	0	6			
10:15	9	17	0	0	26	22:15	3	2	0	0	5			
10:30	13	11	0	0	24	22:30	2	1	0	0	3			
10:45	20	52	15	61	35	22:45	3	10	1	8	4	18		
11:00	13	22	0	0	35	23:00	3	0	0	0	3			
11:15	14	11	0	0	25	23:15	4	0	0	0	4			
11:30	11	17	0	0	28	23:30	1	1	0	0	2			
11:45	15	53	9	59	24	23:45	1	9	0	1	1	10		
TOTALS	346	680			1026	TOTALS	1381	548			1929			
SPLIT %	33.7%	66.3%			34.7%	SPLIT %	71.6%	28.4%			65.3%			

DAILY TOTALS					NB	SB						EB	WB	Total
					1,727	1,228						0	0	2,955
AM Peak Hour	07:15	07:30		07:30			PM Peak Hour	16:00	16:45		16:45			
AM Pk Volume	75	199		272			PM Pk Volume	319	105		398			
Pk Hr Factor	0.721	0.843		0.883			Pk Hr Factor	0.848	0.847		0.930			
7 - 9 Volume	131	321	0	452			4 - 6 Volume	583	172	0	755			
7 - 9 Peak Hour	07:15	07:30		07:30			4 - 6 Peak Hour	16:00	16:45		16:45			
7 - 9 Pk Volume	75	199	0	272			4 - 6 Pk Volume	319	105	0	398			
Pk Hr Factor	0.721	0.843	0.000	0.000	0.883		Pk Hr Factor	0.848	0.847	0.000	0.930			

SPEED

Loyalty Rd Bet. Browns Ln & Butchers Row/Moxley Hall

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_002n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	2	1	1	0	0	0	0	0	0	0	4
01:00	0	0	0	0	1	2	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	5	1	0	1	0	0	0	0	0	0	7
06:00	0	0	3	15	7	0	0	0	0	0	0	0	0	25
07:00	0	4	15	28	14	4	1	0	0	0	0	0	0	66
08:00	0	5	16	28	21	3	0	0	0	0	0	0	0	73
09:00	1	2	13	16	22	6	0	0	0	0	0	0	0	60
10:00	0	7	7	24	11	1	1	0	0	0	0	0	0	51
11:00	0	1	9	25	16	1	0	0	0	0	0	0	0	52
12:00 PM	0	0	18	38	20	5	1	0	0	0	0	0	0	82
13:00	0	3	11	20	19	14	1	0	0	0	0	0	0	68
14:00	2	0	31	37	23	7	0	0	0	0	0	0	0	100
15:00	0	2	36	116	87	33	3	0	0	0	0	0	0	277
16:00	0	5	51	152	145	32	5	0	0	0	0	0	0	390
17:00	0	5	35	118	99	22	4	0	0	0	0	0	0	283
18:00	0	6	24	86	74	12	0	0	0	0	0	0	0	202
19:00	0	0	7	25	36	5	0	0	0	0	0	0	0	73
20:00	0	1	11	31	22	5	0	0	0	0	0	0	0	70
21:00	0	1	5	19	11	2	0	0	0	0	0	0	0	38
22:00	0	0	8	9	8	1	0	0	0	0	0	0	0	26
23:00	0	0	2	7	2	1	2	0	0	0	0	0	0	14
Totals	3	42	304	802	641	157	19							1968
% of Totals	0%	2%	15%	41%	33%	8%	1%							100%

AM Volumes	1	19	65	144	95	18	3	0	0	0	0	0	0	345
% AM	0%	1%	3%	7%	5%	1%	0%							18%
AM Peak Hour	09:00	10:00	08:00	07:00	09:00	09:00	05:00							08:00
Volume	1	7	16	28	22	6	1							73
PM Volumes	2	23	239	658	546	139	16	0	0	0	0	0	0	1623
% PM	0%	1%	12%	33%	28%	7%	1%							82%
PM Peak Hour	14:00	18:00	16:00	16:00	16:00	15:00	16:00							16:00
Volume	2	6	51	152	145	33	5							390
Directional Peak Periods			AM 7-9				NOON 12-2				PM 4-6			Off Peak Volumes
All Speeds			Volume			%	Volume			%	Volume			%
			139	↔		7%	150	↔		8%	673	↔		51%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Loyalty Rd	North Bound	24	29	29	34	37	1968
Loyalty Rd	South Bound	22	28	28	33	36	1334

SPEED

Loyalty Rd Bet. Browns Ln & Butchers Row/Moxley Hall

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_002s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
04:00	0	0	1	2	0	0	0	0	0	0	0	0	0	3
05:00	0	1	5	16	8	2	0	0	0	0	0	0	0	32
06:00	0	1	25	33	22	9	4	0	0	0	0	0	0	94
07:00	0	7	65	64	23	4	0	0	0	0	0	0	0	163
08:00	0	4	57	62	39	10	1	0	0	0	0	0	0	173
09:00	0	1	26	42	28	4	0	0	0	0	0	0	0	101
10:00	0	1	24	26	16	4	1	0	0	0	0	0	0	72
11:00	0	6	7	26	23	4	0	0	0	0	0	0	0	66
12:00 PM	0	0	17	24	18	6	1	0	0	0	0	0	0	66
13:00	0	0	18	35	13	3	0	0	0	0	0	0	0	69
14:00	0	3	23	28	11	7	0	0	0	0	0	0	0	72
15:00	4	1	26	38	19	9	1	0	0	0	0	0	0	98
16:00	0	0	23	31	12	3	0	0	0	0	0	0	0	69
17:00	0	2	24	48	29	1	0	0	0	0	0	0	0	104
18:00	0	0	7	23	18	4	0	0	0	0	0	0	0	52
19:00	0	2	10	11	21	7	0	0	0	0	0	0	0	51
20:00	0	0	3	9	6	2	0	0	0	0	0	0	0	20
21:00	0	0	1	7	8	1	0	0	0	0	0	0	0	17
22:00	0	0	4	1	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2
Totals	4	29	369	527	317	80	8							1334
% of Totals	0%	2%	28%	40%	24%	6%	1%							100%

AM Volumes	0	21	212	272	161	37	6	0	0	0	0	0	0	709
% AM		2%	16%	20%	12%	3%	0%							53%
AM Peak Hour		07:00	07:00	07:00	08:00	08:00	06:00							08:00
Volume		7	65	64	39	10	4							173
PM Volumes	4	8	157	255	156	43	2	0	0	0	0	0	0	625
% PM	0%	1%	12%	19%	12%	3%	0%							47%
PM Peak Hour	15:00	14:00	15:00	17:00	17:00	15:00	12:00							17:00
Volume	4	3	26	48	29	9	1							104
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		336	↔ 25%	135	↔ 10%	173	↔ 13%	690	↔ 52%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Loyalty Rd	North Bound	24	29	29	34	37	1968
Loyalty Rd	South Bound	22	28	28	33	36	1334

SPEED

Loyalty Rd Bet. Browns Ln & Butchers Row/Moxley Hall

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_002

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	3	1	1	0	0	0	0	0	0	0	5
01:00	0	0	1	0	2	2	0	0	0	0	0	0	0	5
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	2	0	0	0	0	0	0	0	0	3
04:00	0	0	2	3	0	0	0	0	0	0	0	0	0	5
05:00	0	1	5	21	9	2	1	0	0	0	0	0	0	39
06:00	0	1	28	48	29	9	4	0	0	0	0	0	0	119
07:00	0	11	80	92	37	8	1	0	0	0	0	0	0	229
08:00	0	9	73	90	60	13	1	0	0	0	0	0	0	246
09:00	1	3	39	58	50	10	0	0	0	0	0	0	0	161
10:00	0	8	31	50	27	5	2	0	0	0	0	0	0	123
11:00	0	7	16	51	39	5	0	0	0	0	0	0	0	118
12:00 PM	0	0	35	62	38	11	2	0	0	0	0	0	0	148
13:00	0	3	29	55	32	17	1	0	0	0	0	0	0	137
14:00	2	3	54	65	34	14	0	0	0	0	0	0	0	172
15:00	4	3	62	154	106	42	4	0	0	0	0	0	0	375
16:00	0	5	74	183	157	35	5	0	0	0	0	0	0	459
17:00	0	7	59	166	128	23	4	0	0	0	0	0	0	387
18:00	0	6	31	109	92	16	0	0	0	0	0	0	0	254
19:00	0	2	17	36	57	12	0	0	0	0	0	0	0	124
20:00	0	1	14	40	28	7	0	0	0	0	0	0	0	90
21:00	0	1	6	26	19	3	0	0	0	0	0	0	0	55
22:00	0	0	12	10	8	1	0	0	0	0	0	0	0	31
23:00	0	0	3	7	3	1	2	0	0	0	0	0	0	16
Totals	7	71	673	1329	958	237	27							3302
% of Totals	0%	2%	20%	40%	29%	7%	1%							100%

AM Volumes	1	40	277	416	256	55	9	0	0	0	0	0	0	1054
% AM	0%	1%	8%	13%	8%	2%	0%							32%
AM Peak Hour	09:00	07:00	07:00	07:00	08:00	08:00	06:00							08:00
Volume	1	11	80	92	60	13	4							246
PM Volumes	6	31	396	913	702	182	18	0	0	0	0	0	0	2248
% PM	0%	1%	12%	28%	21%	6%	1%							68%
PM Peak Hour	15:00	17:00	16:00	16:00	16:00	15:00	16:00							16:00
Volume	4	7	74	183	157	42	5							459
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		475	14%	285	9%	846	26%	1696	51%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Loyalty Rd	Summary	23	28	29	34	37
		ADT				
		3302				

City: Waterford
Project #: VA19_11127_002

DAILY TOTALS			NB	SB						EB	WB	Total
			1,968	1,334						0	0	3,302
AM Peak Hour	07:30	07:30			07:30	PM Peak Hour	16:15	17:00				
AM Pk Volume	83	198			281	PM Pk Volume	395	104				475
Pk Hr Factor	0.865	0.868			0.924	Pk Hr Factor	0.874	0.897				0.867
7 - 9 Volume	139	336	0	0	475	4 - 6 Volume	673	173	0	0		846
7 - 9 Peak Hour	07:30	07:30			07:30	4 - 6 Peak Hour	16:15	17:00				16:15
7 - 9 Pk Volume	83	198	0	0	281	4 - 6 Pk Volume	395	104	0	0		475
Pk Hr Factor	0.865	0.868	0.000	0.000	0.924	Pk Hr Factor	0.874	0.897	0.000	0.000		0.867

SPEED

Clarkes Gap Rd Bet. Factory St & Hamilton Station Rd

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_003n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	3	2	4	1	1	0	0	0	0	11
01:00	0	0	0	0	0	3	0	1	0	0	0	0	0	4
02:00	0	0	0	0	0	2	2	0	0	0	0	0	0	4
03:00	0	0	0	0	0	2	1	2	0	0	0	0	0	5
04:00	0	0	0	0	0	0	1	0	0	0	0	0	0	1
05:00	0	0	1	2	7	9	4	2	0	0	0	0	0	25
06:00	0	0	4	11	12	12	13	3	1	0	0	0	0	56
07:00	0	0	12	15	45	21	15	4	0	0	0	0	0	112
08:00	1	1	6	28	32	26	12	1	0	0	0	0	0	107
09:00	0	0	1	22	39	30	24	5	1	0	0	0	0	122
10:00	0	1	7	23	44	24	9	4	1	0	0	0	0	113
11:00	0	0	5	14	42	36	24	6	3	0	0	0	0	130
12:00 PM	0	3	10	19	48	46	30	6	1	0	0	0	0	163
13:00	0	5	2	18	43	38	28	11	1	0	0	0	0	146
14:00	0	4	11	46	64	72	53	15	2	0	0	0	0	267
15:00	0	18	16	77	128	152	93	20	2	1	0	0	0	507
16:00	5	28	54	118	206	194	84	20	2	0	0	0	0	711
17:00	6	17	28	116	259	220	72	10	2	0	0	0	0	730
18:00	0	3	36	89	143	126	65	11	1	0	0	0	0	474
19:00	0	2	19	69	82	57	27	8	1	1	0	0	0	266
20:00	0	0	4	11	60	42	22	4	1	1	0	0	0	145
21:00	0	0	2	14	31	30	19	6	1	0	0	0	0	103
22:00	0	0	4	5	17	11	6	4	1	0	0	0	0	48
23:00	1	0	1	1	1	6	3	0	0	1	0	0	0	14
Totals	13	82	223	698	1306	1161	611	144	22	4				4264
% of Totals	0%	2%	5%	16%	31%	27%	14%	3%	1%	0%				100%

AM Volumes	1	2	36	115	224	167	109	29	7	0	0	0	0	690
% AM	0%	0%	1%	3%	5%	4%	3%	1%	0%					16%
AM Peak Hour	08:00	08:00	07:00	08:00	07:00	11:00	09:00	11:00	11:00					11:00
Volume	1	1	12	28	45	36	24	6	3					130
PM Volumes	12	80	187	583	1082	994	502	115	15	4	0	0	0	3574
% PM	0%	2%	4%	14%	25%	23%	12%	3%	0%	0%				84%
PM Peak Hour	17:00	16:00	16:00	16:00	17:00	17:00	15:00	15:00	14:00	15:00				17:00
Volume	6	28	54	118	259	220	93	20	2	1				730
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		219	5%	309	7%	1441	34%	2295	54%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Clarkes Gap Rd	North Bound	27	34	34	41	45	4264
Clarkes Gap Rd	South Bound	30	36	36	42	45	3378

SPEED

Clarkes Gap Rd Bet. Factory St & Hamilton Station Rd

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_003s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	0	2	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	1	0	1	1	0	0	0	0	3
03:00	0	0	0	0	2	2	0	0	0	0	0	0	0	4
04:00	0	0	0	0	2	5	11	7	3	0	0	0	0	28
05:00	0	0	0	1	12	35	53	31	4	2	0	0	0	138
06:00	0	0	2	8	65	169	114	32	9	1	0	0	0	400
07:00	0	0	11	59	143	218	80	11	1	0	0	0	0	523
08:00	0	4	20	50	141	182	63	6	1	1	0	0	0	468
09:00	0	0	7	33	77	91	36	6	1	0	0	0	0	251
10:00	0	0	3	10	51	79	27	11	0	0	0	0	0	181
11:00	0	0	4	13	41	46	21	7	1	0	0	0	0	133
12:00 PM	0	1	16	32	37	37	16	1	2	0	0	0	0	142
13:00	0	0	4	18	44	29	23	1	1	0	0	0	0	120
14:00	0	0	4	20	54	43	19	3	0	0	0	0	0	143
15:00	0	0	10	17	64	77	23	1	0	0	0	0	0	192
16:00	0	0	5	18	50	50	29	6	1	1	0	0	0	160
17:00	0	0	1	25	45	53	36	12	1	0	0	0	0	173
18:00	0	0	2	14	52	36	15	2	0	0	0	0	0	121
19:00	0	0	0	21	29	31	11	3	1	0	0	0	0	96
20:00	0	1	0	4	16	15	3	0	1	0	0	0	0	40
21:00	0	0	0	9	8	11	3	2	2	0	0	0	0	35
22:00	0	0	1	4	5	2	3	1	1	0	0	0	0	17
23:00	0	0	0	0	2	3	1	1	0	0	0	0	0	7
Totals		6	90	357	940	1217	587	145	31	5				3378
% of Totals		0%	3%	11%	28%	36%	17%	4%	1%	0%				100%

AM Volumes	0	4	47	175	534	830	405	112	21	4	0	0	0	2132
% AM		0%	1%	5%	16%	25%	12%	3%	1%	0%				63%
AM Peak Hour		08:00	08:00	07:00	07:00	07:00	06:00	06:00	06:00	05:00				07:00
Volume		4	20	59	143	218	114	32	9	2				523
PM Volumes	0	2	43	182	406	387	182	33	10	1	0	0	0	1246
% PM		0%	1%	5%	12%	11%	5%	1%	0%	0%				37%
PM Peak Hour		12:00	12:00	12:00	15:00	15:00	17:00	17:00	12:00	16:00				15:00
Volume		1	16	32	64	77	36	12	2	1				192
Directional Peak Periods		AM 7-9				NOON 12-2				PM 4-6		Off Peak Volumes		
All Speeds		Volume		%		Volume		%		Volume		%		
		991	↔	29%		262	↔	8%		333	↔	10%		

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Clarkes Gap Rd	North Bound	27	34	34	41	45	4264
Clarkes Gap Rd	South Bound	30	36	36	42	45	3378

SPEED

Clarkes Gap Rd Bet. Factory St & Hamilton Station Rd

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_003

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	3	4	4	1	1	0	0	0	0	14
01:00	0	0	0	0	0	3	0	1	0	0	0	0	0	4
02:00	0	0	0	0	0	3	2	1	1	0	0	0	0	7
03:00	0	0	0	0	2	4	1	2	0	0	0	0	0	9
04:00	0	0	0	0	2	5	12	7	3	0	0	0	0	29
05:00	0	0	1	3	19	44	57	33	4	2	0	0	0	163
06:00	0	0	6	19	77	181	127	35	10	1	0	0	0	456
07:00	0	0	23	74	188	239	95	15	1	0	0	0	0	635
08:00	1	5	26	78	173	208	75	7	1	1	0	0	0	575
09:00	0	0	8	55	116	121	60	11	2	0	0	0	0	373
10:00	0	1	10	33	95	103	36	15	1	0	0	0	0	294
11:00	0	0	9	27	83	82	45	13	4	0	0	0	0	263
12:00 PM	0	4	26	51	85	83	46	7	3	0	0	0	0	305
13:00	0	5	6	36	87	67	51	12	2	0	0	0	0	266
14:00	0	4	15	66	118	115	72	18	2	0	0	0	0	410
15:00	0	18	26	94	192	229	116	21	2	1	0	0	0	699
16:00	5	28	59	136	256	244	113	26	3	1	0	0	0	871
17:00	6	17	29	141	304	273	108	22	3	0	0	0	0	903
18:00	0	3	38	103	195	162	80	13	1	0	0	0	0	595
19:00	0	2	19	90	111	88	38	11	2	1	0	0	0	362
20:00	0	1	4	15	76	57	25	4	2	1	0	0	0	185
21:00	0	0	2	23	39	41	22	8	3	0	0	0	0	138
22:00	0	0	5	9	22	13	9	5	2	0	0	0	0	65
23:00	1	0	1	1	3	9	4	1	0	1	0	0	0	21
Totals	13	88	313	1055	2246	2378	1198	289	53	9				7642
% of Totals	0%	1%	4%	14%	29%	31%	16%	4%	1%	0%				100%

AM Volumes	1	6	83	290	758	997	514	141	28	4	0	0	0	2822
% AM	0%	0%	1%	4%	10%	13%	7%	2%	0%	0%				37%
AM Peak Hour	08:00	08:00	08:00	08:00	07:00	07:00	06:00	06:00	06:00	05:00				07:00
Volume	1	5	26	78	188	239	127	35	10	2				635
PM Volumes	12	82	230	765	1488	1381	684	148	25	5	0	0	0	4820
% PM	0%	1%	3%	10%	19%	18%	9%	2%	0%	0%				63%
PM Peak Hour	17:00	16:00	16:00	17:00	17:00	17:00	15:00	16:00	12:00	15:00				17:00
Volume	6	28	59	141	304	273	116	26	3	1				903
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		1210	16%	571	7%	1774	23%	4087	53%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Clarkes Gap Rd	Summary	28	35	35	42	45
		ADT				
		7642				

VOLUME

Clarkes Gap Rd Bet. Factory St & Hamilton Station Rd

Day: Wednesday
Date: 10/9/2019

City: Waterford
Project #: VA19_11127_003

DAILY TOTALS					NB	SB	EB					WB	Total
					4,264	3,378						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	5	0	0	0	5	12:00	33	28	0	0	61		
00:15	3	2	0	0	5	12:15	36	32	0	0	68		
00:30	2	1	0	0	3	12:30	46	46	0	0	92		
00:45	1	11	0	3	1	12:45	48	163	36	142	84	305	
01:00	2	0	0	0	2	13:00	31	34	0	0	65		
01:15	1	0	0	0	1	13:15	28	29	0	0	57		
01:30	1	0	0	0	1	13:30	41	33	0	0	74		
01:45	0	4	0	0	4	13:45	46	146	24	120	70	266	
02:00	1	0	0	0	1	14:00	45	31	0	0	76		
02:15	0	0	0	0	0	14:15	60	32	0	0	92		
02:30	2	0	0	0	2	14:30	83	40	0	0	123		
02:45	1	4	3	0	4	14:45	79	267	40	143	119	410	
03:00	0	2	0	0	2	15:00	96	55	0	0	151		
03:15	1	0	0	0	1	15:15	128	39	0	0	167		
03:30	2	0	0	0	2	15:30	141	45	0	0	186		
03:45	2	5	2	4	4	15:45	142	507	53	192	195	699	
04:00	0	2	0	0	2	16:00	175	33	0	0	208		
04:15	0	4	0	0	4	16:15	193	54	0	0	247		
04:30	0	10	0	0	10	16:30	188	33	0	0	221		
04:45	1	1	12	28	13	16:45	155	711	40	160	195	871	
05:00	3	17	0	0	20	17:00	181	42	0	0	223		
05:15	4	27	0	0	31	17:15	165	54	0	0	219		
05:30	9	45	0	0	54	17:30	189	40	0	0	229		
05:45	9	25	49	138	58	17:45	195	730	37	173	232	903	
06:00	11	75	0	0	86	18:00	132	39	0	0	171		
06:15	8	78	0	0	86	18:15	135	25	0	0	160		
06:30	17	112	0	0	129	18:30	102	32	0	0	134		
06:45	20	56	135	400	155	18:45	105	474	25	121	130	595	
07:00	22	138	0	0	160	19:00	78	27	0	0	105		
07:15	32	115	0	0	147	19:15	65	28	0	0	93		
07:30	20	116	0	0	136	19:30	65	21	0	0	86		
07:45	38	112	154	523	192	19:45	58	266	20	96	78	362	
08:00	30	136	0	0	166	20:00	35	11	0	0	46		
08:15	24	131	0	0	155	20:15	36	13	0	0	49		
08:30	24	101	0	0	125	20:30	42	9	0	0	51		
08:45	29	107	100	468	129	20:45	32	145	7	40	39	185	
09:00	30	79	0	0	109	21:00	28	10	0	0	38		
09:15	38	56	0	0	94	21:15	27	10	0	0	37		
09:30	15	68	0	0	83	21:30	31	8	0	0	39		
09:45	39	122	48	251	87	21:45	17	103	7	35	24	138	
10:00	29	44	0	0	73	22:00	12	5	0	0	17		
10:15	26	54	0	0	80	22:15	13	4	0	0	17		
10:30	15	43	0	0	58	22:30	14	5	0	0	19		
10:45	43	113	40	181	83	22:45	9	48	3	17	12	65	
11:00	33	21	0	0	54	23:00	3	2	0	0	5		
11:15	22	42	0	0	64	23:15	5	2	0	0	7		
11:30	36	34	0	0	70	23:30	4	1	0	0	5		
11:45	39	130	36	133	75	23:45	2	14	2	7	4	21	
TOTALS	690	2132			2822	TOTALS	3574	1246			4820		
SPLIT %	24.5%	75.5%			36.9%	SPLIT %	74.1%	25.9%			63.1%		

DAILY TOTALS					NB	SB						EB	WB	Total
					4,264	3,378						0	0	7,642
AM Peak Hour	11:45	07:30			07:30	PM Peak Hour	17:00	15:00			17:00			
AM Pk Volume	154	537			649	PM Pk Volume	730	192			903			
Pk Hr Factor	0.837	0.872			0.845	Pk Hr Factor	0.936	0.873			0.973			
7 - 9 Volume	219	991	0	0	1210	4 - 6 Volume	1441	333	0	0	1774			
7 - 9 Peak Hour	07:15	07:30			07:30	4 - 6 Peak Hour	17:00	16:45			17:00			
7 - 9 Pk Volume	120	537	0	0	649	4 - 6 Pk Volume	730	176	0	0	903			
Pk Hr Factor	0.789	0.872	0.000	0.000	0.845	Pk Hr Factor	0.936	0.815	0.000	0.000	0.973			

SPEED

Clarkes Gap Rd Bet. Factory St & Hamilton Station Rd

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_003n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	1	1	2	0	0	0	0	0	4
01:00	0	0	0	0	0	2	2	4	0	0	0	0	0	8
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
03:00	0	0	1	0	0	1	2	0	0	0	0	0	0	4
04:00	0	0	1	0	1	1	2	1	0	0	0	0	0	6
05:00	0	0	0	5	8	6	3	3	0	0	0	0	0	25
06:00	0	0	3	6	16	13	5	3	0	0	0	0	0	46
07:00	0	2	9	27	29	22	13	2	0	1	0	0	0	105
08:00	0	0	8	33	59	28	17	3	0	0	0	0	0	148
09:00	0	1	4	27	41	32	16	4	2	0	0	0	0	127
10:00	0	6	5	17	31	23	17	7	2	1	0	0	0	109
11:00	0	0	3	24	39	35	20	13	1	0	0	0	0	135
12:00 PM	0	1	6	21	50	36	30	6	4	1	0	0	0	155
13:00	1	7	11	21	54	61	31	16	0	0	0	0	0	202
14:00	1	2	11	63	72	97	62	8	1	1	0	0	0	318
15:00	1	5	50	97	173	205	79	19	1	0	0	0	0	630
16:00	5	24	85	127	214	184	71	17	3	0	0	0	0	730
17:00	3	9	94	145	280	184	60	5	0	0	0	0	0	780
18:00	8	25	38	108	150	129	68	8	0	0	0	0	0	534
19:00	0	2	9	55	80	62	21	17	2	2	0	0	0	250
20:00	0	1	8	30	54	33	12	3	0	0	0	0	0	141
21:00	0	9	11	20	26	38	19	3	0	1	0	0	0	127
22:00	0	0	1	9	23	13	11	3	0	0	0	0	0	60
23:00	0	0	0	1	6	10	4	1	3	1	0	0	0	26
Totals	19	94	358	836	1406	1217	566	148	19	8				4671
% of Totals	0%	2%	8%	18%	30%	26%	12%	3%	0%	0%				100%

AM Volumes	0	9	34	139	224	165	98	42	5	2	0	0	0	718
% AM		0%	1%	3%	5%	4%	2%	1%	0%	0%				15%
AM Peak Hour		10:00	07:00	08:00	08:00	11:00	11:00	11:00	09:00	07:00				08:00
Volume		6	9	33	59	35	20	13	2	1				148
PM Volumes	19	85	324	697	1182	1052	468	106	14	6	0	0	0	3953
% PM		0%	2%	7%	15%	25%	23%	10%	0%	0%				85%
PM Peak Hour	18:00	18:00	17:00	17:00	17:00	15:00	15:00	15:00	12:00	19:00				17:00
Volume	8	25	94	145	280	205	79	19	4	2				780
Directional Peak Periods		AM 7-9				NOON 12-2				PM 4-6		Off Peak Volumes		
All Speeds		Volume		%		Volume		%		Volume		%		
		253	↔	5%		357	↔	8%		1510	↔	32%		

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Clarkes Gap Rd	North Bound	26	34	34	40	44	4671
Clarkes Gap Rd	South Bound	30	36	36	42	45	3524

SPEED

Clarkes Gap Rd Bet. Factory St & Hamilton Station Rd

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_003s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	1	0	1	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	1	1	0	0	0	0	0	0	2
03:00	0	0	0	0	3	1	0	1	1	0	0	0	0	6
04:00	0	0	0	0	8	7	11	2	5	1	0	0	0	34
05:00	0	0	0	0	9	29	60	22	8	0	0	0	0	128
06:00	0	0	0	13	45	170	142	31	4	1	0	0	0	406
07:00	0	0	6	30	143	220	105	12	0	1	0	0	0	517
08:00	0	6	19	48	118	192	68	7	1	0	0	0	0	459
09:00	0	1	4	17	61	102	54	6	1	0	0	0	0	246
10:00	0	7	6	11	43	51	24	7	1	0	0	0	0	150
11:00	0	2	2	41	62	45	20	3	0	0	0	0	0	175
12:00 PM	0	2	5	32	49	58	18	2	0	0	0	0	0	166
13:00	0	0	1	21	39	55	15	2	0	0	0	0	0	133
14:00	1	1	12	29	56	53	19	3	2	0	0	0	0	176
15:00	0	6	6	38	73	53	23	5	0	0	0	0	0	204
16:00	0	0	1	19	48	75	28	2	0	1	0	0	0	174
17:00	0	0	3	20	63	62	24	8	1	0	0	0	0	181
18:00	0	0	7	19	49	42	25	2	0	0	0	0	0	144
19:00	0	3	8	24	34	26	6	4	0	0	0	0	0	105
20:00	0	0	2	12	27	11	4	2	0	0	0	0	0	58
21:00	0	1	3	7	10	6	5	0	0	0	0	0	0	32
22:00	0	0	3	1	7	6	1	1	0	1	0	0	0	20
23:00	0	0	0	0	1	3	1	1	0	0	0	0	0	6
Totals	1	29	88	382	949	1268	655	123	24	5				3524
% of Totals	0%	1%	2%	11%	27%	36%	19%	3%	1%	0%				100%

AM Volumes	0	16	37	160	493	818	486	91	21	3	0	0	0	2125
% AM		0%	1%	5%	14%	23%	14%	3%	1%	0%				60%
AM Peak Hour		10:00	08:00	08:00	07:00	07:00	06:00	06:00	05:00	04:00				07:00
Volume		7	19	48	143	220	142	31	8	1				517
PM Volumes	1	13	51	222	456	450	169	32	3	2	0	0	0	1399
% PM		0%	0%	1%	6%	13%	5%	1%	0%	0%				40%
PM Peak Hour		14:00	15:00	14:00	15:00	15:00	16:00	16:00	17:00	14:00	16:00			15:00
Volume		1	6	12	38	73	75	28	8	2	1			204
Directional Peak Periods		AM 7-9				NOON 12-2				PM 4-6		Off Peak Volumes		
All Speeds		Volume 976 ↔ % 28%				Volume 299 ↔ % 8%				Volume 355 ↔ % 10%		Volume 1894 ↔ % 54%		

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Clarkes Gap Rd	North Bound	26	34	34	40	44	4671
Clarkes Gap Rd	South Bound	30	36	36	42	45	3524

SPEED

Clarkes Gap Rd Bet. Factory St & Hamilton Station Rd

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_003

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	1	1	2	2	0	0	0	0	0	6
01:00	0	0	0	0	0	2	2	4	0	0	0	0	0	8
02:00	0	0	0	0	0	2	1	0	0	0	0	0	0	3
03:00	0	0	1	0	3	2	2	1	1	0	0	0	0	10
04:00	0	0	1	0	9	8	13	3	5	1	0	0	0	40
05:00	0	0	0	5	17	35	63	25	8	0	0	0	0	153
06:00	0	0	3	19	61	183	147	34	4	1	0	0	0	452
07:00	0	2	15	57	172	242	118	14	0	2	0	0	0	622
08:00	0	6	27	81	177	220	85	10	1	0	0	0	0	607
09:00	0	2	8	44	102	134	70	10	3	0	0	0	0	373
10:00	0	13	11	28	74	74	41	14	3	1	0	0	0	259
11:00	0	2	5	65	101	80	40	16	1	0	0	0	0	310
12:00 PM	0	3	11	53	99	94	48	8	4	1	0	0	0	321
13:00	1	7	12	42	93	116	46	18	0	0	0	0	0	335
14:00	2	3	23	92	128	150	81	11	3	1	0	0	0	494
15:00	1	11	56	135	246	258	102	24	1	0	0	0	0	834
16:00	5	24	86	146	262	259	99	19	3	1	0	0	0	904
17:00	3	9	97	165	343	246	84	13	1	0	0	0	0	961
18:00	8	25	45	127	199	171	93	10	0	0	0	0	0	678
19:00	0	5	17	79	114	88	27	21	2	2	0	0	0	355
20:00	0	1	10	42	81	44	16	5	0	0	0	0	0	199
21:00	0	10	14	27	36	44	24	3	0	1	0	0	0	159
22:00	0	0	4	10	30	19	12	4	0	1	0	0	0	80
23:00	0	0	0	1	7	13	5	2	3	1	0	0	0	32
Totals	20	123	446	1218	2355	2485	1221	271	43	13				8195
% of Totals	0%	2%	5%	15%	29%	30%	15%	3%	1%	0%				100%

AM Volumes	0	25	71	299	717	983	584	133	26	5	0	0	0	2843
% AM		0%	1%	4%	9%	12%	7%	2%	0%	0%				35%
AM Peak Hour		10:00	08:00	08:00	08:00	07:00	06:00	06:00	05:00	07:00				07:00
Volume		13	27	81	177	242	147	34	8	2				622
PM Volumes	20	98	375	919	1638	1502	637	138	17	8	0	0	0	5352
% PM		0%	1%	5%	11%	20%	18%	8%	0%	0%				65%
PM Peak Hour	18:00	18:00	17:00	17:00	17:00	16:00	15:00	15:00	12:00	19:00				17:00
Volume	8	25	97	165	343	259	102	24	4	2				961
Directional Peak Periods		AM 7-9				NOON 12-2				PM 4-6		Off Peak Volumes		
All Speeds		Volume		%		Volume		%		Volume		%		
		1229	↔	15%		656	↔	8%		1865	↔	23%		4445 ↔ 54%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Clarkes Gap Rd	Summary	28	35	35	41	45	8195

VOLUME

Clarkes Gap Rd Bet. Factory St & Hamilton Station Rd

Day: Thursday
Date: 10/10/2019

City: Waterford
Project #: VA19_11127_003

DAILY TOTALS					NB	SB						EB	WB	Total
					4,671	3,524						0	0	8,195
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00	0	0	0	0			12:00	40	28	0	0	68		
00:15	0	0	0	0			12:15	35	38	0	0	73		
00:30	3	2	0	0	5		12:30	37	57	0	0	94		
00:45	1	4	0	2	1	6	12:45	43	155	43	166	0	0	86 321
01:00	5	0	0	0	5		13:00	38	28	0	0	66		
01:15	2	0	0	0	2		13:15	58	26	0	0	84		
01:30	0	0	0	0			13:30	60	35	0	0	95		
01:45	1	8	0	0	1	8	13:45	46	202	44	133	0	0	90 335
02:00	0	1	0	0	1		14:00	66	34	0	0	100		
02:15	1	0	0	0	1		14:15	78	39	0	0	117		
02:30	0	0	0	0			14:30	87	47	0	0	134		
02:45	0	1	1	2	1	3	14:45	87	318	56	176	0	0	143 494
03:00	2	2	0	0	4		15:00	121	49	0	0	170		
03:15	0	1	0	0	1		15:15	168	28	0	0	196		
03:30	2	2	0	0	4		15:30	169	63	0	0	232		
03:45	0	4	1	6	1	10	15:45	172	630	64	204	0	0	236 834
04:00	0	4	0	0	4		16:00	169	45	0	0	214		
04:15	2	7	0	0	9		16:15	169	35	0	0	204		
04:30	1	12	0	0	13		16:30	191	53	0	0	244		
04:45	3	6	11	34	14	40	16:45	201	730	41	174	0	0	242 904
05:00	5	20	0	0	25		17:00	197	48	0	0	245		
05:15	9	24	0	0	33		17:15	216	57	0	0	273		
05:30	4	30	0	0	34		17:30	186	39	0	0	225		
05:45	7	25	54	128	61	153	17:45	181	780	37	181	0	0	218 961
06:00	4	69	0	0	73		18:00	162	33	0	0	195		
06:15	15	85	0	0	100		18:15	148	44	0	0	192		
06:30	11	121	0	0	132		18:30	101	41	0	0	142		
06:45	16	46	131	406	147	452	18:45	123	534	26	144	0	0	149 678
07:00	18	120	0	0	138		19:00	78	29	0	0	107		
07:15	26	109	0	0	135		19:15	76	24	0	0	100		
07:30	35	132	0	0	167		19:30	51	32	0	0	83		
07:45	26	105	156	517	182	622	19:45	45	250	20	105	0	0	65 355
08:00	33	118	0	0	151		20:00	39	10	0	0	49		
08:15	38	134	0	0	172		20:15	38	14	0	0	52		
08:30	34	103	0	0	137		20:30	36	18	0	0	54		
08:45	43	148	104	459	147	607	20:45	28	141	16	58	0	0	44 199
09:00	35	70	0	0	105		21:00	38	11	0	0	49		
09:15	34	54	0	0	88		21:15	40	10	0	0	50		
09:30	27	72	0	0	99		21:30	24	7	0	0	31		
09:45	31	127	50	246	81	373	21:45	25	127	4	32	0	0	29 159
10:00	22	41	0	0	63		22:00	23	8	0	0	31		
10:15	28	39	0	0	67		22:15	18	8	0	0	26		
10:30	29	33	0	0	62		22:30	10	4	0	0	14		
10:45	30	109	37	150	67	259	22:45	9	60	0	20	0	0	9 80
11:00	29	53	0	0	82		23:00	5	2	0	0	7		
11:15	37	41	0	0	78		23:15	12	2	0	0	14		
11:30	38	46	0	0	84		23:30	3	2	0	0	5		
11:45	31	135	35	175	66	310	23:45	6	26	0	6	0	0	6 32
TOTALS	718	2125			2843		TOTALS	3953	1399			5352		
SPLIT %	25.3%	74.7%			34.7%		SPLIT %	73.9%	26.1%			65.3%		

DAILY TOTALS					NB	SB						EB	WB	Total
					4,671	3,524						0	0	8,195
AM Peak Hour	08:15	07:30			07:30		PM Peak Hour	16:30	15:30			16:30		
AM Pk Volume	150	540			672		PM Pk Volume	805	207			1004		
Pk Hr Factor	0.872	0.865			0.923		Pk Hr Factor	0.932	0.809			0.919		
7 - 9 Volume	253	976	0	0	1229		4 - 6 Volume	1510	355	0	0	1865		
7 - 9 Peak Hour	08:00	07:30			07:30		4 - 6 Peak Hour	16:30	16:30			16:30		
7 - 9 Pk Volume	148	540	0	0	672		4 - 6 Pk Volume	805	199	0	0	1004		
Pk Hr Factor	0.860	0.865	0.000	0.000	0.923		Pk Hr Factor	0.932	0.873	0.000	0.000	0.919		

SPEED

High St Bet. Janney St & Patrick St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_004n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	1	0	1	0	0	0	0	0	0	0	3
02:00	0	0	2	0	2	0	0	0	0	0	0	0	0	4
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	1	2	1	0	0	0	0	0	0	0	5
05:00	0	0	5	5	6	0	0	0	0	0	0	0	0	16
06:00	0	1	13	13	6	4	1	0	0	0	0	0	0	38
07:00	0	9	21	29	13	3	1	2	1	0	0	0	0	79
08:00	0	3	24	27	24	1	0	0	0	0	0	0	0	79
09:00	1	0	29	41	23	4	1	1	0	0	0	0	0	100
10:00	1	1	17	30	10	7	0	2	0	0	0	0	0	68
11:00	2	4	13	32	20	6	1	0	0	0	0	0	0	78
12:00 PM	1	2	22	47	21	4	0	1	1	0	0	0	0	99
13:00	0	3	29	32	27	8	1	0	0	0	0	0	0	100
14:00	0	0	39	67	41	15	0	5	0	0	0	0	0	167
15:00	0	11	95	144	69	25	4	5	3	0	0	0	0	356
16:00	26	24	157	233	75	20	7	1	3	0	0	0	0	546
17:00	0	12	138	205	83	19	3	3	0	0	0	0	0	463
18:00	1	18	130	103	41	13	1	1	1	0	0	0	0	309
19:00	2	7	46	57	17	8	2	1	0	0	0	0	0	140
20:00	1	4	37	37	12	4	1	0	0	0	0	0	0	96
21:00	0	2	12	24	12	4	1	0	0	0	0	0	0	55
22:00	0	0	4	7	5	0	1	0	0	0	0	0	0	17
23:00	0	0	4	5	2	2	1	0	0	0	0	0	0	14
Totals	35	101	841	1140	511	149	26	22	9					2834
% of Totals	1%	4%	30%	40%	18%	5%	1%	1%	0%					100%

AM Volumes	4	18	128	179	106	27	4	5	1	0	0	0	0	472
% AM	0%	1%	5%	6%	4%	1%	0%	0%	0%					17%
AM Peak Hour	11:00	07:00	09:00	09:00	08:00	10:00	06:00	07:00	07:00					09:00
Volume	2	9	29	41	24	7	1	2	1					100
PM Volumes	31	83	713	961	405	122	22	17	8	0	0	0	0	2362
% PM	1%	3%	25%	34%	14%	4%	1%	1%	0%					83%
PM Peak Hour	16:00	16:00	16:00	16:00	17:00	15:00	16:00	14:00	15:00					16:00
Volume	26	24	157	233	83	25	7	5	3					546
Directional Peak Periods			AM 7-9				NOON 12-2				PM 4-6			Off Peak Volumes
All Speeds			Volume		%		Volume		%		Volume		%	
			158	↔	6%		199	↔	7%		1009	↔	36%	

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
High St	North Bound	22	27	27	33	37
High St	South Bound	23	28	28	34	38
						ADT
						2834
						1540

SPEED

High St Bet. Janney St & Patrick St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_004s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	2	0	0	0	0	0	0	0	0	0	2
04:00	0	0	2	4	4	0	0	1	0	0	0	0	0	11
05:00	0	0	8	21	17	10	4	0	0	0	0	0	0	60
06:00	1	1	26	65	33	18	4	1	0	0	0	0	0	149
07:00	1	7	52	85	53	27	6	0	0	0	0	0	0	231
08:00	2	4	46	79	39	15	2	0	0	0	0	0	0	187
09:00	1	1	23	59	36	11	0	0	0	0	0	0	0	131
10:00	0	0	8	32	23	3	0	0	0	0	0	0	0	66
11:00	1	1	16	34	18	6	1	0	0	0	0	0	0	77
12:00 PM	0	1	11	35	24	5	0	2	0	0	0	0	0	78
13:00	1	5	18	30	7	2	0	0	0	0	0	0	0	63
14:00	0	1	18	34	15	1	0	0	0	0	0	0	0	69
15:00	0	2	9	47	26	10	1	0	0	0	0	0	0	95
16:00	0	3	13	39	24	4	0	0	0	0	0	0	0	83
17:00	0	1	17	41	24	5	1	0	0	0	0	0	0	89
18:00	2	4	12	28	14	2	0	0	0	0	0	0	0	62
19:00	0	1	15	18	11	2	0	0	0	0	0	0	0	47
20:00	0	0	4	11	2	2	0	0	0	0	0	0	0	19
21:00	0	0	4	3	2	0	0	0	0	0	0	0	0	9
22:00	0	0	1	4	3	1	0	0	0	0	0	0	0	9
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Totals	9	32	303	672	377	124	19	4						1540
% of Totals	1%	2%	20%	44%	24%	8%	1%	0%						100%

AM Volumes	6	14	181	381	225	90	17	2	0	0	0	0	0	916
% AM	0%	1%	12%	25%	15%	6%	1%	0%						59%
AM Peak Hour	08:00	07:00	07:00	07:00	07:00	07:00	07:00	04:00						07:00
Volume	2	7	52	85	53	27	6	1						231
PM Volumes	3	18	122	291	152	34	2	2	0	0	0	0	0	624
% PM	0%	1%	8%	19%	10%	2%	0%	0%						41%
PM Peak Hour	18:00	13:00	13:00	15:00	15:00	15:00	15:00	12:00						15:00
Volume	2	5	18	47	26	10	1	2						95
Directional Peak Periods			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Speeds			Volume		%	Volume		%	Volume		%	Volume		%
			418	↔	27%	141	↔	9%	172	↔	11%	809	↔	53%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
High St	North Bound	22	27	27	33	37	2834
High St	South Bound	23	28	28	34	38	1540

SPEED

High St Bet. Janney St & Patrick St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_004

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	2
01:00	0	0	1	1	1	1	0	0	0	0	0	0	0	4
02:00	0	0	2	0	2	0	0	0	0	0	0	0	0	4
03:00	0	0	1	2	0	0	0	0	0	0	0	0	0	3
04:00	0	0	3	5	6	1	0	1	0	0	0	0	0	16
05:00	0	0	13	26	23	10	4	0	0	0	0	0	0	76
06:00	1	2	39	78	39	22	5	1	0	0	0	0	0	187
07:00	1	16	73	114	66	30	7	2	1	0	0	0	0	310
08:00	2	7	70	106	63	16	2	0	0	0	0	0	0	266
09:00	2	1	52	100	59	15	1	1	0	0	0	0	0	231
10:00	1	1	25	62	33	10	0	2	0	0	0	0	0	134
11:00	3	5	29	66	38	12	2	0	0	0	0	0	0	155
12:00 PM	1	3	33	82	45	9	0	3	1	0	0	0	0	177
13:00	1	8	47	62	34	10	1	0	0	0	0	0	0	163
14:00	0	1	57	101	56	16	0	5	0	0	0	0	0	236
15:00	0	13	104	191	95	35	5	5	3	0	0	0	0	451
16:00	26	27	170	272	99	24	7	1	3	0	0	0	0	629
17:00	0	13	155	246	107	24	4	3	0	0	0	0	0	552
18:00	3	22	142	131	55	15	1	1	1	0	0	0	0	371
19:00	2	8	61	75	28	10	2	1	0	0	0	0	0	187
20:00	1	4	41	48	14	6	1	0	0	0	0	0	0	115
21:00	0	2	16	27	14	4	1	0	0	0	0	0	0	64
22:00	0	0	5	11	8	1	1	0	0	0	0	0	0	26
23:00	0	0	4	6	2	2	1	0	0	0	0	0	0	15
Totals	44	133	1144	1812	888	273	45	26	9					4374
% of Totals	1%	3%	26%	41%	20%	6%	1%	1%	0%					100%

AM Volumes	10	32	309	560	331	117	21	7	1	0	0	0	0	1388
% AM	0%	1%	7%	13%	8%	3%	0%	0%	0%					32%
AM Peak Hour	11:00	07:00	07:00	07:00	07:00	07:00	07:00	07:00	07:00					07:00
Volume	3	16	73	114	66	30	7	2	1					310
PM Volumes	34	101	835	1252	557	156	24	19	8	0	0	0	0	2986
% PM	1%	2%	19%	29%	13%	4%	1%	0%	0%					68%
PM Peak Hour	16:00	16:00	16:00	16:00	17:00	15:00	16:00	14:00	15:00					16:00
Volume	26	27	170	272	107	35	7	5	3					629
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		576	13%	340	8%	1181	27%	2277	52%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
High St	Summary	22	27	28	33	37
		ADT				
		4374				

VOLUME

High St Bet. Janney St & Patrick St

Day: Wednesday
Date: 10/9/2019

City: Waterford
Project #: VA19_11127_004

DAILY TOTALS					NB	SB	EB					WB	Total
					2,834	1,540	0					0	4,374
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	1	0	0	0	1	12:00	17	21	0	0	38		
00:15	0	1	0	0	1	12:15	23	14	0	0	37		
00:30	0	0	0	0	0	12:30	34	29	0	0	63		
00:45	0	1	0	1	0	12:45	25	99	14	78	39		
01:00	0	1	0	0	1	13:00	30	21	0	0	51		
01:15	1	0	0	0	1	13:15	20	8	0	0	28		
01:30	2	0	0	0	2	13:30	28	14	0	0	42		
01:45	0	3	0	1	0	13:45	22	100	20	63	42		
02:00	2	0	0	0	2	14:00	25	16	0	0	41		
02:15	2	0	0	0	2	14:15	57	19	0	0	76		
02:30	0	0	0	0	0	14:30	33	20	0	0	53		
02:45	0	4	0	0	4	14:45	52	167	14	69	66		
03:00	1	0	0	0	1	15:00	57	27	0	0	84		
03:15	0	2	0	0	2	15:15	72	23	0	0	95		
03:30	0	0	0	0	0	15:30	107	20	0	0	127		
03:45	0	1	0	2	0	15:45	120	356	25	95	145		
04:00	1	4	0	0	5	16:00	140	19	0	0	159		
04:15	0	3	0	0	3	16:15	126	22	0	0	148		
04:30	2	1	0	0	3	16:30	139	17	0	0	156		
04:45	2	5	3	11	5	16:45	141	546	25	83	166		
05:00	1	7	0	0	8	17:00	132	21	0	0	153		
05:15	5	14	0	0	19	17:15	117	30	0	0	147		
05:30	4	15	0	0	19	17:30	114	27	0	0	141		
05:45	6	16	24	60	30	17:45	100	463	11	89	111		
06:00	5	17	0	0	22	18:00	86	20	0	0	106		
06:15	6	38	0	0	44	18:15	83	15	0	0	98		
06:30	5	47	0	0	52	18:30	67	16	0	0	83		
06:45	22	38	47	149	69	18:45	73	309	11	62	84		
07:00	6	53	0	0	59	19:00	40	17	0	0	57		
07:15	26	47	0	0	73	19:15	42	17	0	0	59		
07:30	23	59	0	0	82	19:30	26	9	0	0	35		
07:45	24	79	72	231	96	19:45	32	140	4	47	36		
08:00	20	48	0	0	68	20:00	16	2	0	0	18		
08:15	13	60	0	0	73	20:15	26	4	0	0	30		
08:30	20	44	0	0	64	20:30	26	4	0	0	30		
08:45	26	79	35	187	61	20:45	28	96	9	19	37		
09:00	24	46	0	0	70	21:00	18	6	0	0	24		
09:15	25	30	0	0	55	21:15	10	2	0	0	12		
09:30	20	27	0	0	47	21:30	13	1	0	0	14		
09:45	31	100	28	131	59	21:45	14	55	0	9	14		
10:00	14	22	0	0	36	22:00	3	7	0	0	10		
10:15	15	19	0	0	34	22:15	5	2	0	0	7		
10:30	20	12	0	0	32	22:30	5	0	0	0	5		
10:45	19	68	13	66	32	22:45	4	17	0	9	4		
11:00	20	23	0	0	43	23:00	5	0	0	0	5		
11:15	18	17	0	0	35	23:15	7	0	0	0	7		
11:30	23	19	0	0	42	23:30	1	1	0	0	2		
11:45	17	78	18	77	35	23:45	1	14	0	1	1		
TOTALS	472	916			1388	TOTALS	2362	624			2986		
SPLIT %	34.0%	66.0%			31.7%	SPLIT %	79.1%	20.9%			68.3%		

DAILY TOTALS					NB	SB						EB	WB	Total
					2,834	1,540						0	0	4,374
AM Peak Hour	09:00	07:30		07:15			PM Peak Hour	16:00	16:45		16:00			
AM Pk Volume	100	239		319			PM Pk Volume	546	103		629			
Pk Hr Factor	0.806	0.830		0.831			Pk Hr Factor	0.968	0.858		0.947			
7 - 9 Volume	158	418	0	576			4 - 6 Volume	1009	172	0	1181			
7 - 9 Peak Hour	07:15	07:30		07:15			4 - 6 Peak Hour	16:00	16:45		16:00			
7 - 9 Pk Volume	93	239	0	319			4 - 6 Pk Volume	546	103	0	629			
Pk Hr Factor	0.894	0.830	0.000	0.831			Pk Hr Factor	0.968	0.858	0.000	0.947			

SPEED

High St Bet. Janney St & Patrick St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_004n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	1	3	1	0	0	0	0	0	0	0	0	5
01:00	0	0	0	3	1	1	0	0	0	0	0	0	0	5
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	1	0	2	0	0	0	0	0	0	0	4
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	0	0	4	3	1	0	0	0	0	0	0	0	0	8
06:00	0	0	9	15	4	4	2	0	0	0	0	0	0	34
07:00	0	2	21	23	18	4	2	0	0	0	0	0	0	70
08:00	0	10	25	25	10	6	2	4	1	0	0	0	0	83
09:00	1	0	12	38	12	5	2	1	0	0	0	0	0	71
10:00	1	6	10	29	16	2	4	0	1	0	0	0	0	69
11:00	0	2	14	27	7	5	1	0	0	0	0	0	0	56
12:00 PM	2	5	23	50	18	7	2	0	0	0	0	0	0	107
13:00	0	4	40	33	21	8	1	1	1	0	0	0	0	109
14:00	0	5	33	68	37	22	2	1	1	0	0	0	0	169
15:00	0	18	136	178	73	30	2	2	2	0	0	0	0	441
16:00	61	70	182	189	85	16	4	0	1	0	0	0	0	608
17:00	3	21	195	196	86	19	5	1	1	0	0	0	0	527
18:00	1	33	151	122	46	16	2	1	0	0	0	0	0	372
19:00	0	6	38	55	26	6	0	1	1	0	0	0	0	133
20:00	0	4	41	36	17	4	1	0	0	0	0	0	0	103
21:00	0	5	15	22	10	2	1	0	0	0	0	0	0	55
22:00	0	2	14	19	9	1	0	0	0	0	0	0	0	45
23:00	0	1	0	5	8	3	0	0	0	0	0	0	0	17
Totals	69	194	966	1141	506	163	33	12	9					3093
% of Totals	2%	6%	31%	37%	16%	5%	1%	0%	0%					100%

AM Volumes	2	20	98	168	70	29	13	5	2	0	0	0	0	407
% AM	0%	1%	3%	5%	2%	1%	0%	0%	0%					13%
AM Peak Hour	09:00	08:00	08:00	09:00	07:00	08:00	10:00	08:00	08:00					08:00
Volume	1	10	25	38	18	6	4	4	1					83
PM Volumes	67	174	868	973	436	134	20	7	7	0	0	0	0	2686
% PM	2%	6%	28%	31%	14%	4%	1%	0%	0%					87%
PM Peak Hour	16:00	16:00	17:00	17:00	17:00	15:00	17:00	15:00	15:00					16:00
Volume	61	70	195	196	86	30	5	2	2					608
Directional Peak Periods		AM 7-9				NOON 12-2				PM 4-6		Off Peak Volumes		
All Speeds		Volume $\longleftrightarrow$ %				Volume $\longleftrightarrow$ %				Volume $\longleftrightarrow$ %		Volume $\longleftrightarrow$ %		
		153 $\longleftrightarrow$ 5%				216 $\longleftrightarrow$ 7%				1135 $\longleftrightarrow$ 37%		1589 $\longleftrightarrow$ 51%		

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
High St	North Bound	21	26	27	33	37	3093
High St	South Bound	23	28	29	34	38	1573

SPEED

High St Bet. Janney St & Patrick St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_004s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	1	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	1	0	0	1	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	4	2	1	0	0	0	0	0	0	0	7
05:00	0	0	7	14	18	9	4	0	0	0	0	0	0	52
06:00	0	1	21	58	42	25	6	3	0	0	0	0	0	156
07:00	0	11	36	85	52	31	4	0	0	0	0	0	0	219
08:00	3	7	48	90	64	19	2	0	0	0	0	0	0	233
09:00	1	0	15	48	31	5	3	0	0	0	0	0	0	103
10:00	0	0	17	31	19	8	0	1	0	0	0	0	0	76
11:00	0	1	12	39	16	5	1	0	0	0	0	0	0	74
12:00 PM	1	2	11	43	17	1	0	0	0	0	0	0	0	75
13:00	2	4	17	25	16	4	0	1	0	0	0	0	0	69
14:00	1	3	17	38	21	7	0	0	0	0	0	0	0	87
15:00	0	4	16	43	21	3	1	0	0	0	0	0	0	88
16:00	0	0	13	36	19	1	1	1	0	0	0	0	0	71
17:00	2	2	31	37	18	7	0	0	0	0	0	0	0	97
18:00	0	3	15	16	18	4	0	1	0	0	0	0	0	57
19:00	0	0	13	24	14	4	0	0	0	0	0	0	0	55
20:00	0	0	7	5	5	0	0	0	0	0	0	0	0	17
21:00	0	1	3	13	4	1	0	0	0	0	0	0	0	22
22:00	0	0	1	4	0	1	0	0	0	0	0	0	0	6
23:00	0	0	3	0	1	0	0	0	0	0	0	0	0	4
Totals	10	39	304	655	399	136	23	7						1573
% of Totals	1%	2%	19%	42%	25%	9%	1%	0%						100%

AM Volumes	4	20	157	371	245	103	21	4	0	0	0	0	0	925
% AM	0%	1%	10%	24%	16%	7%	1%	0%						59%
AM Peak Hour	08:00	07:00	08:00	08:00	08:00	07:00	06:00	06:00						08:00
Volume	3	11	48	90	64	31	6	3						233
PM Volumes	6	19	147	284	154	33	2	3	0	0	0	0	0	648
% PM	0%	1%	9%	18%	10%	2%	0%	0%						41%
PM Peak Hour	13:00	13:00	17:00	12:00	14:00	14:00	15:00	13:00						17:00
Volume	2	4	31	43	21	7	1	1						97
Directional Peak Periods			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Speeds			Volume		%	Volume		%	Volume		%	Volume		%
			452	↔	29%	144	↔	9%	168	↔	11%	809	↔	51%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
High St	North Bound	21	26	27	33	37	3093
High St	South Bound	23	28	29	34	38	1573

SPEED

High St Bet. Janney St & Patrick St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_004

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	2	4	1	0	0	0	0	0	0	0	0	7
01:00	0	0	0	3	2	1	0	0	0	0	0	0	0	6
02:00	0	0	1	1	0	0	1	0	0	0	0	0	0	3
03:00	0	0	1	1	0	2	0	0	0	0	0	0	0	4
04:00	0	0	0	5	2	1	0	0	0	0	0	0	0	8
05:00	0	0	11	17	19	9	4	0	0	0	0	0	0	60
06:00	0	1	30	73	46	29	8	3	0	0	0	0	0	190
07:00	0	13	57	108	70	35	6	0	0	0	0	0	0	289
08:00	3	17	73	115	74	25	4	4	1	0	0	0	0	316
09:00	2	0	27	86	43	10	5	1	0	0	0	0	0	174
10:00	1	6	27	60	35	10	4	1	1	0	0	0	0	145
11:00	0	3	26	66	23	10	2	0	0	0	0	0	0	130
12:00 PM	3	7	34	93	35	8	2	0	0	0	0	0	0	182
13:00	2	8	57	58	37	12	1	2	1	0	0	0	0	178
14:00	1	8	50	106	58	29	2	1	1	0	0	0	0	256
15:00	0	22	152	221	94	33	3	2	2	0	0	0	0	529
16:00	61	70	195	225	104	17	5	1	1	0	0	0	0	679
17:00	5	23	226	233	104	26	5	1	1	0	0	0	0	624
18:00	1	36	166	138	64	20	2	2	0	0	0	0	0	429
19:00	0	6	51	79	40	10	0	1	1	0	0	0	0	188
20:00	0	4	48	41	22	4	1	0	0	0	0	0	0	120
21:00	0	6	18	35	14	3	1	0	0	0	0	0	0	77
22:00	0	2	15	23	9	2	0	0	0	0	0	0	0	51
23:00	0	1	3	5	9	3	0	0	0	0	0	0	0	21
Totals	79	233	1270	1796	905	299	56	19	9					4666
% of Totals	2%	5%	27%	38%	19%	6%	1%	0%	0%					100%

AM Volumes	6	40	255	539	315	132	34	9	2	0	0	0	0	1332
% AM	0%	1%	5%	12%	7%	3%	1%	0%	0%					29%
AM Peak Hour	08:00	08:00	08:00	08:00	08:00	07:00	06:00	08:00	08:00					08:00
Volume	3	17	73	115	74	35	8	4	1					316
PM Volumes	73	193	1015	1257	590	167	22	10	7	0	0	0	0	3334
% PM	2%	4%	22%	27%	13%	4%	0%	0%	0%					71%
PM Peak Hour	16:00	16:00	17:00	17:00	16:00	15:00	16:00	13:00	15:00					16:00
Volume	61	70	226	233	104	33	5	2	2					679
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		605	13%	360	8%	1303	28%	2398	51%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
High St	Summary	22	27	27	33	38	4666

VOLUME

High St Bet. Janney St & Patrick St

Day: Thursday
Date: 10/10/2019

City: Waterford
Project #: VA19_11127_004

DAILY TOTALS					NB	SB						EB	WB						Total
					3,093	1,573						0	0						4,666
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00	0	0	0	0			12:00	31	20	0	0								51
00:15	2	1	0	0			12:15	28	20	0	0								48
00:30	3	0	0	0			12:30	21	10	0	0								31
00:45	0	5	1	2	0	0	12:45	27	107	25	75	0	0	0	0	0	0	0	52
01:00	3	1	0	0			13:00	24	17	0	0								41
01:15	0	0	0	0			13:15	30	21	0	0								51
01:30	0	0	0	0			13:30	27	15	0	0								42
01:45	2	5	0	1	0	0	13:45	28	109	16	69	0	0	0	0	0	0	0	44
02:00	0	0	0	0			14:00	33	13	0	0								46
02:15	1	2	0	0			14:15	33	20	0	0								53
02:30	0	0	0	0			14:30	46	26	0	0								72
02:45	0	1	0	2	0	0	14:45	57	169	28	87	0	0	0	0	0	0	0	85
03:00	0	0	0	0			15:00	80	17	0	0								97
03:15	1	0	0	0			15:15	118	22	0	0								140
03:30	1	0	0	0			15:30	111	26	0	0								137
03:45	2	4	0	0	0	0	15:45	132	441	23	88	0	0	0	0	0	0	0	155
04:00	0	0	0	0			16:00	127	20	0	0								147
04:15	0	1	0	0			16:15	154	17	0	0								171
04:30	0	3	0	0			16:30	168	20	0	0								188
04:45	1	1	3	7	0	0	16:45	159	608	14	71	0	0	0	0	0	0	0	173
05:00	1	12	0	0			17:00	152	23	0	0								175
05:15	4	11	0	0			17:15	141	24	0	0								165
05:30	1	9	0	0			17:30	122	31	0	0								153
05:45	2	8	20	52	0	0	17:45	112	527	19	97	0	0	0	0	0	0	0	131
06:00	3	30	0	0			18:00	94	13	0	0								107
06:15	4	31	0	0			18:15	116	14	0	0								130
06:30	12	46	0	0			18:30	89	15	0	0								104
06:45	15	34	49	156	0	0	18:45	73	372	15	57	0	0	0	0	0	0	0	88
07:00	10	33	0	0			19:00	33	21	0	0								54
07:15	24	62	0	0			19:15	40	12	0	0								52
07:30	13	60	0	0			19:30	34	11	0	0								45
07:45	23	70	64	219	0	0	19:45	26	133	11	55	0	0	0	0	0	0	0	37
08:00	18	68	0	0			20:00	22	6	0	0								28
08:15	23	71	0	0			20:15	28	5	0	0								33
08:30	19	49	0	0			20:30	30	4	0	0								34
08:45	23	83	45	233	0	0	20:45	23	103	2	17	0	0	0	0	0	0	0	25
09:00	18	37	0	0			21:00	11	8	0	0								19
09:15	19	25	0	0			21:15	5	2	0	0								7
09:30	12	18	0	0			21:30	23	8	0	0								31
09:45	22	71	23	103	0	0	21:45	16	55	4	22	0	0	0	0	0	0	0	20
10:00	14	17	0	0			22:00	13	2	0	0								15
10:15	16	17	0	0			22:15	12	1	0	0								13
10:30	18	15	0	0			22:30	9	2	0	0								11
10:45	21	69	27	76	0	0	22:45	11	45	1	6	0	0	0	0	0	0	0	12
11:00	12	16	0	0			23:00	4	2	0	0								6
11:15	14	22	0	0			23:15	4	0	0	0								4
11:30	12	19	0	0			23:30	6	2	0	0								8
11:45	18	56	17	74	0	0	23:45	3	17	0	4	0	0	0	0	0	0	0	3
TOTALS	407		925		1332		TOTALS	2686		648				3334					
SPLIT %	30.6%		69.4%		28.5%		SPLIT %	80.6%		19.4%				71.5%					

DAILY TOTALS					NB	SB						EB	WB						Total
					3,093	1,573						0	0						4,666
AM Peak Hour	11:45	07:30			07:30		PM Peak Hour	16:15	17:00			16:15							
AM Pk Volume	98	263			340		PM Pk Volume	633	97			707							
Pk Hr Factor	0.790	0.926			0.904		Pk Hr Factor	0.942	0.782			0.940							
7 - 9 Volume	153	452	0	0	605		4 - 6 Volume	1135	168	0	0	1303							
7 - 9 Peak Hour	07:45	07:30			07:30		4 - 6 Peak Hour	16:15	17:00			16:15							
7 - 9 Pk Volume	83	263	0	0	340		4 - 6 Pk Volume	633	97	0	0	707							
Pk Hr Factor	0.902	0.926	0.000	0.000	0.904		Pk Hr Factor	0.942	0.782	0.000	0.000	0.940							

SPEED

2nd St Bet. Janney St & Patrick St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_005n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3
06:00	2	1	3	0	0	0	0	0	0	0	0	0	0	6
07:00	2	7	8	1	0	0	0	0	0	0	0	0	0	18
08:00	1	6	16	1	1	0	0	0	0	0	0	0	0	25
09:00	3	5	10	1	1	0	0	0	0	0	0	0	0	20
10:00	1	9	20	2	0	0	0	0	0	0	0	0	0	32
11:00	3	8	19	4	0	0	0	0	0	0	0	0	0	34
12:00 PM	1	7	27	3	0	0	0	0	0	0	0	0	0	38
13:00	0	10	33	7	0	0	0	0	0	0	0	0	0	50
14:00	2	17	43	19	0	0	0	0	0	0	0	0	0	81
15:00	4	31	93	31	4	0	0	0	0	0	0	0	0	163
16:00	0	34	147	56	6	0	0	0	0	0	0	0	0	243
17:00	2	62	139	42	1	0	0	0	0	0	0	0	0	246
18:00	2	29	84	41	0	0	0	0	0	0	0	0	0	156
19:00	0	12	45	15	1	0	0	0	0	0	0	0	0	73
20:00	0	10	31	8	0	0	0	0	0	0	0	0	0	49
21:00	1	4	20	4	0	0	0	0	0	0	0	0	0	29
22:00	0	2	5	5	0	0	0	0	0	0	0	0	0	12
23:00	0	0	4	1	1	0	0	0	0	0	0	0	0	6
Totals	24	254	753	242	15									1288
% of Totals	2%	20%	58%	19%	1%									100%

AM Volumes	12	36	82	10	2	0	0	0	0	0	0	0	0	142
% AM	1%	3%	6%	1%	0%									11%
AM Peak Hour	09:00	10:00	10:00	11:00	08:00									11:00
Volume	3	9	20	4	1									34
PM Volumes	12	218	671	232	13	0	0	0	0	0	0	0	0	1146
% PM	1%	17%	52%	18%	1%									89%
PM Peak Hour	15:00	17:00	16:00	16:00	16:00									17:00
Volume	4	62	147	56	6									246
Directional Peak Periods			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Speeds			Volume		%	Volume		%	Volume		%	Volume		%
			43	↔	3%	88	↔	7%	489	↔	38%	668	↔	52%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
2nd St	North Bound	18	22	22	26	29	1288
2nd St	South Bound	17	22	22	25	29	1577

SPEED

2nd St Bet. Janney St & Patrick St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_005s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	11	10	1	0	0	0	0	0	0	0	0	22
05:00	1	14	53	16	3	0	0	0	0	0	0	0	0	87
06:00	3	78	141	20	3	0	0	0	0	0	0	0	0	245
07:00	6	76	172	29	2	0	0	0	0	0	0	0	0	285
08:00	2	61	132	19	1	0	0	0	0	0	0	0	0	215
09:00	3	15	77	17	2	0	0	0	0	0	0	0	0	114
10:00	3	20	40	18	1	0	0	0	0	0	0	0	0	82
11:00	1	20	39	12	0	0	0	0	0	0	0	0	0	72
12:00 PM	0	15	32	11	1	0	0	0	0	0	0	0	0	59
13:00	5	10	28	5	1	0	0	0	0	0	0	0	0	49
14:00	3	7	28	12	2	0	0	0	0	0	0	0	0	52
15:00	6	21	32	12	0	0	0	0	0	0	0	0	0	71
16:00	2	12	23	10	3	0	0	0	0	0	0	0	0	50
17:00	1	26	27	8	0	0	0	0	0	0	0	0	0	62
18:00	3	16	29	9	0	0	0	0	0	0	0	0	0	57
19:00	0	3	15	7	0	0	0	0	0	0	0	0	0	25
20:00	1	1	7	3	0	0	0	0	0	0	0	0	0	12
21:00	0	0	7	2	0	0	0	0	0	0	0	0	0	9
22:00	0	0	1	1	1	0	0	0	0	0	0	0	0	3
23:00	0	0	2	1	0	0	0	0	0	0	0	0	0	3
Totals	41	395	897	223	21									1577
% of Totals	3%	25%	57%	14%	1%									100%

AM Volumes	20	284	666	142	13	0	0	0	0	0	0	0	0	1125
% AM	1%	18%	42%	9%	1%									71%
AM Peak Hour	07:00	06:00	07:00	07:00	05:00									07:00
Volume	6	78	172	29	3									285
PM Volumes	21	111	231	81	8	0	0	0	0	0	0	0	0	452
% PM	1%	7%	15%	5%	1%									29%
PM Peak Hour	15:00	17:00	12:00	14:00	16:00									15:00
Volume	6	26	32	12	3									71
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		500	32%	108	7%	112	7%	857	54%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
2nd St	North Bound	18	22	22	26	29
2nd St	South Bound	17	22	22	25	29
		ADT				
		1288				
		1577				

SPEED

2nd St Bet. Janney St & Patrick St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_005

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
03:00	1	0	1	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	11	10	1	0	0	0	0	0	0	0	0	22
05:00	1	14	56	16	3	0	0	0	0	0	0	0	0	90
06:00	5	79	144	20	3	0	0	0	0	0	0	0	0	251
07:00	8	83	180	30	2	0	0	0	0	0	0	0	0	303
08:00	3	67	148	20	2	0	0	0	0	0	0	0	0	240
09:00	6	20	87	18	3	0	0	0	0	0	0	0	0	134
10:00	4	29	60	20	1	0	0	0	0	0	0	0	0	114
11:00	4	28	58	16	0	0	0	0	0	0	0	0	0	106
12:00 PM	1	22	59	14	1	0	0	0	0	0	0	0	0	97
13:00	5	20	61	12	1	0	0	0	0	0	0	0	0	99
14:00	5	24	71	31	2	0	0	0	0	0	0	0	0	133
15:00	10	52	125	43	4	0	0	0	0	0	0	0	0	234
16:00	2	46	170	66	9	0	0	0	0	0	0	0	0	293
17:00	3	88	166	50	1	0	0	0	0	0	0	0	0	308
18:00	5	45	113	50	0	0	0	0	0	0	0	0	0	213
19:00	0	15	60	22	1	0	0	0	0	0	0	0	0	98
20:00	1	11	38	11	0	0	0	0	0	0	0	0	0	61
21:00	1	4	27	6	0	0	0	0	0	0	0	0	0	38
22:00	0	2	6	6	1	0	0	0	0	0	0	0	0	15
23:00	0	0	6	2	1	0	0	0	0	0	0	0	0	9
Totals	65	649	1650	465	36									2865
% of Totals	2%	23%	58%	16%	1%									100%

AM Volumes	32	320	748	152	15	0	0	0	0	0	0	0	0	1267
% AM	1%	11%	26%	5%	1%									44%
AM Peak Hour	07:00	07:00	07:00	07:00	05:00									07:00
Volume	8	83	180	30	3									303
PM Volumes	33	329	902	313	21	0	0	0	0	0	0	0	0	1598
% PM	1%	11%	31%	11%	1%									56%
PM Peak Hour	15:00	17:00	16:00	16:00	16:00									17:00
Volume	10	88	170	66	9									308
Directional Peak Periods		AM 7-9				NOON 12-2				PM 4-6		Off Peak Volumes		
All Speeds		Volume		%		Volume		%		Volume		%		
		543	↔	19%		196	↔	7%		601	↔	21%		

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
2nd St	Summary	18	22	22	26	29
						ADT
						2865

VOLUME

2nd St Bet. Janney St & Patrick St

Day: Wednesday
Date: 10/9/2019

City: Waterford
Project #: VA19_11127_005

DAILY TOTALS					NB	SB						EB	WB	Total
					1,288	1,577						0	0	2,865
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00	0	0	0	0			12:00	7	14	0	0	21		
00:15	0	0	0	0			12:15	7	15	0	0	22		
00:30	0	0	0	0			12:30	10	17	0	0	27		
00:45	1	1	0	0	1	1	12:45	14	38	13	59	0	0	27 97
01:00	0	0	0	0			13:00	12	11	0	0	23		
01:15	0	0	0	0			13:15	14	15	0	0	29		
01:30	1	0	0	0	1		13:30	9	8	0	0	17		
01:45	1	2	0	0	1	2	13:45	15	50	15	49	0	0	30 99
02:00	0	0	0	0			14:00	16	11	0	0	27		
02:15	0	2	0	0	2		14:15	16	16	0	0	32		
02:30	0	0	0	0			14:30	21	13	0	0	34		
02:45	0	0	2	0		2	14:45	28	81	12	52	0	0	40 133
03:00	0	0	0	0			15:00	31	15	0	0	46		
03:15	0	0	0	0			15:15	44	12	0	0	56		
03:30	1	1	0	0	2		15:30	36	20	0	0	56		
03:45	0	1	0	1		2	15:45	52	163	24	71	0	0	76 234
04:00	0	3	0	0	3		16:00	56	16	0	0	72		
04:15	0	5	0	0	5		16:15	51	7	0	0	58		
04:30	0	7	0	0	7		16:30	62	16	0	0	78		
04:45	0	7	22	0	7	22	16:45	74	243	11	50	0	0	85 293
05:00	0	9	0	0	9		17:00	61	16	0	0	77		
05:15	1	15	0	0	16		17:15	70	16	0	0	86		
05:30	1	31	0	0	32		17:30	68	15	0	0	83		
05:45	1	3	32	87	33	90	17:45	47	246	15	62	0	0	62 308
06:00	1	34	0	0	35		18:00	51	14	0	0	65		
06:15	1	68	0	0	69		18:15	40	17	0	0	57		
06:30	1	75	0	0	76		18:30	30	16	0	0	46		
06:45	3	6	68	245	71	251	18:45	35	156	10	57	0	0	45 213
07:00	5	77	0	0	82		19:00	26	4	0	0	30		
07:15	3	57	0	0	60		19:15	11	8	0	0	19		
07:30	3	71	0	0	74		19:30	16	9	0	0	25		
07:45	7	18	80	285	87	303	19:45	20	73	4	25	0	0	24 98
08:00	0	78	0	0	78		20:00	12	4	0	0	16		
08:15	6	48	0	0	54		20:15	13	3	0	0	16		
08:30	8	52	0	0	60		20:30	13	3	0	0	16		
08:45	11	25	37	215	48	240	20:45	11	49	2	12	0	0	13 61
09:00	5	32	0	0	37		21:00	3	2	0	0	5		
09:15	6	33	0	0	39		21:15	9	1	0	0	10		
09:30	4	32	0	0	36		21:30	8	4	0	0	12		
09:45	5	20	17	114	22	134	21:45	9	29	2	9	0	0	11 38
10:00	11	23	0	0	34		22:00	1	1	0	0	2		
10:15	3	21	0	0	24		22:15	6	2	0	0	8		
10:30	7	22	0	0	29		22:30	3	0	0	0	3		
10:45	11	32	16	82	27	114	22:45	2	12	0	3	0	0	2 15
11:00	12	22	0	0	34		23:00	2	1	0	0	3		
11:15	6	14	0	0	20		23:15	3	0	0	0	3		
11:30	7	18	0	0	25		23:30	1	2	0	0	3		
11:45	9	34	18	72	27	106	23:45	0	6	0	3	0	0	9
TOTALS	142	1125			1267		TOTALS	1146	452					1598
SPLIT %	11.2%	88.8%			44.2%		SPLIT %	71.7%	28.3%					55.8%

DAILY TOTALS					NB	SB						EB	WB	Total
					1,288	1,577						0	0	2,865
AM Peak Hour	10:30	06:15			07:00		PM Peak Hour	16:45	15:15			16:45		
AM Pk Volume	36	288			303		PM Pk Volume	273	72			331		
Pk Hr Factor	0.750	0.935			0.871		Pk Hr Factor	0.922	0.750			0.962		
7 - 9 Volume	43	500	0	0	543		4 - 6 Volume	489	112	0	0	601		
7 - 9 Peak Hour	08:00	07:15			07:00		4 - 6 Peak Hour	16:45	17:00			16:45		
7 - 9 Pk Volume	25	286	0	0	303		4 - 6 Pk Volume	273	62	0	0	331		
Pk Hr Factor	0.568	0.894	0.000	0.000	0.871		Pk Hr Factor	0.922	0.969	0.000	0.000	0.962		

SPEED

2nd St Bet. Janney St & Patrick St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_005n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
06:00	1	3	5	0	0	0	0	0	0	0	0	0	0	9
07:00	0	6	7	2	0	0	0	0	0	0	0	0	0	15
08:00	0	12	13	5	0	0	0	0	0	0	0	0	0	30
09:00	1	8	13	5	0	0	0	0	0	0	0	0	0	27
10:00	4	7	10	3	0	0	0	0	0	0	0	0	0	24
11:00	0	9	17	6	1	0	0	0	0	0	0	0	0	33
12:00 PM	4	21	23	5	0	0	0	0	0	0	0	0	0	53
13:00	1	14	27	5	0	1	0	0	0	0	0	0	0	48
14:00	3	17	48	27	3	0	0	0	0	0	0	0	0	98
15:00	12	48	73	31	6	2	0	0	0	0	0	0	0	172
16:00	3	53	137	57	4	0	0	0	0	0	0	0	0	254
17:00	2	52	144	42	4	0	0	0	0	0	0	0	0	244
18:00	1	35	105	35	1	0	0	0	0	0	0	0	0	177
19:00	1	18	38	12	1	0	0	0	0	0	0	0	0	70
20:00	0	11	32	11	1	1	0	0	0	0	0	0	0	56
21:00	0	9	17	6	1	1	0	0	0	0	0	0	0	34
22:00	0	2	14	2	0	0	0	0	0	0	0	0	0	18
23:00	0	3	3	1	1	0	0	0	0	0	0	0	0	8
Totals	33	328	731	257	23	5								1377
% of Totals	2%	24%	53%	19%	2%	0%								100%

AM Volumes	6	45	70	23	1	0	0	0	0	0	0	0	0	145
% AM	0%	3%	5%	2%	0%									11%
AM Peak Hour	10:00	08:00	11:00	11:00	11:00									11:00
Volume	4	12	17	6	1									33
PM Volumes	27	283	661	234	22	5	0	0	0	0	0	0	0	1232
% PM	2%	21%	48%	17%	2%	0%								89%
PM Peak Hour	15:00	16:00	17:00	16:00	15:00	15:00								16:00
Volume	12	53	144	57	6	2								254
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		45	3%	101	7%	498	36%	733	53%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
2nd St	North Bound	18	22	22	27	29
2nd St	South Bound	17	22	22	25	29
		ADT				
		1377				
		1619				

SPEED

2nd St Bet. Janney St & Patrick St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_005s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	1	0	0	0	0	0	0	0	0	0	0	2
04:00	0	2	7	12	1	0	0	0	0	0	0	0	0	22
05:00	0	9	45	23	6	1	0	0	0	0	0	0	0	84
06:00	1	43	159	40	1	0	0	0	0	0	0	0	0	244
07:00	8	106	151	16	0	0	0	0	0	0	0	0	0	281
08:00	16	54	121	15	1	0	0	0	0	0	0	0	0	207
09:00	0	30	71	14	1	0	0	0	0	0	0	0	0	116
10:00	5	13	56	8	1	0	0	0	0	0	0	0	0	83
11:00	0	21	46	18	0	0	0	0	0	0	0	0	0	85
12:00 PM	2	19	33	7	2	1	0	0	0	0	0	0	0	64
13:00	2	16	27	7	2	0	0	0	0	0	0	0	0	54
14:00	5	17	27	4	0	0	0	0	0	0	0	0	0	53
15:00	6	30	28	3	1	1	0	0	0	0	0	0	0	69
16:00	3	22	41	7	1	2	0	0	0	0	0	0	0	76
17:00	7	28	36	6	0	0	0	0	0	0	0	0	0	77
18:00	2	8	27	5	1	0	0	0	0	0	0	0	0	43
19:00	0	4	11	3	0	0	0	0	0	0	0	0	0	18
20:00	0	1	7	6	0	0	0	0	0	0	0	0	0	14
21:00	0	0	9	5	0	0	0	0	0	0	0	0	0	14
22:00	0	1	2	5	0	0	0	0	0	0	0	0	0	8
23:00	0	0	1	1	1	0	0	0	0	0	0	0	0	3
Totals	58	425	907	205	19	5								1619
% of Totals	4%	26%	56%	13%	1%	0%								100%

AM Volumes	31	279	658	146	11	1	0	0	0	0	0	0	0	1126
% AM	2%	17%	41%	9%	1%	0%								70%
AM Peak Hour	08:00	07:00	06:00	06:00	05:00	05:00								07:00
Volume	16	106	159	40	6	1								281
PM Volumes	27	146	249	59	8	4	0	0	0	0	0	0	0	493
% PM	2%	9%	15%	4%	0%	0%								30%
PM Peak Hour	17:00	15:00	16:00	12:00	12:00	16:00								17:00
Volume	7	30	41	7	2	2								77
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		488	30%	118	7%	153	9%	860	53%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
2nd St	North Bound	18	22	22	27	29
2nd St	South Bound	17	22	22	25	29
		ADT				
		1377				
		1619				

SPEED

2nd St Bet. Janney St & Patrick St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_005

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	4	0	0	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	2	1	0	0	0	0	0	0	0	0	0	4
04:00	0	2	7	12	1	0	0	0	0	0	0	0	0	22
05:00	0	9	46	24	6	1	0	0	0	0	0	0	0	86
06:00	2	46	164	40	1	0	0	0	0	0	0	0	0	253
07:00	8	112	158	18	0	0	0	0	0	0	0	0	0	296
08:00	16	66	134	20	1	0	0	0	0	0	0	0	0	237
09:00	1	38	84	19	1	0	0	0	0	0	0	0	0	143
10:00	9	20	66	11	1	0	0	0	0	0	0	0	0	107
11:00	0	30	63	24	1	0	0	0	0	0	0	0	0	118
12:00 PM	6	40	56	12	2	1	0	0	0	0	0	0	0	117
13:00	3	30	54	12	2	1	0	0	0	0	0	0	0	102
14:00	8	34	75	31	3	0	0	0	0	0	0	0	0	151
15:00	18	78	101	34	7	3	0	0	0	0	0	0	0	241
16:00	6	75	178	64	5	2	0	0	0	0	0	0	0	330
17:00	9	80	180	48	4	0	0	0	0	0	0	0	0	321
18:00	3	43	132	40	2	0	0	0	0	0	0	0	0	220
19:00	1	22	49	15	1	0	0	0	0	0	0	0	0	88
20:00	0	12	39	17	1	1	0	0	0	0	0	0	0	70
21:00	0	9	26	11	1	1	0	0	0	0	0	0	0	48
22:00	0	3	16	7	0	0	0	0	0	0	0	0	0	26
23:00	0	3	4	2	2	0	0	0	0	0	0	0	0	11
Totals	91	753	1638	462	42	10								2996
% of Totals	3%	25%	55%	15%	1%	0%								100%

AM Volumes	37	324	728	169	12	1	0	0	0	0	0	0	0	1271
% AM	1%	11%	24%	6%	0%	0%								42%
AM Peak Hour	08:00	07:00	06:00	06:00	05:00	05:00								07:00
Volume	16	112	164	40	6	1								296
PM Volumes	54	429	910	293	30	9	0	0	0	0	0	0	0	1725
% PM	2%	14%	30%	10%	1%	0%								58%
PM Peak Hour	15:00	17:00	17:00	16:00	15:00	15:00								16:00
Volume	18	80	180	64	7	3								330
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2				PM 4-6		Off Peak Volumes		
		Volume		%		Volume		%		Volume		%		
		533	↔	18%		219	↔	7%		651	↔	22%	1593	↔ 53%

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
2nd St	Summary	17	22	22	26	29
						ADT
						2996

VOLUME

2nd St Bet. Janney St & Patrick St

Day: Thursday
Date: 10/10/2019

City: Waterford
Project #: VA19_11127_005

DAILY TOTALS					NB	SB						EB	WB	Total
					1,377	1,619						0	0	2,996
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	0	0	0	0	1 1	12:00	12	20	0	0	32			
00:15	0	0	0	0		12:15	11	17	0	0	28			
00:30	0	1	0	0		12:30	16	15	0	0	31			
00:45	0	0	1	0		12:45	14	53	12	64	117			
01:00	2	0	0	0	2	13:00	8	13	0	0	21			
01:15	0	0	0	0	2 4	13:15	11	11	0	0	22			
01:30	1	1	0	0		13:30	16	12	0	0	28			
01:45	0	3	0	1		0	13:45	13	48	18	54	102		
02:00	0	0	0	0		14:00	21	14	0	0	35			
02:15	0	0	0	0		14:15	18	12	0	0	30			
02:30	0	0	0	0		14:30	23	16	0	0	39			
02:45	0	0	0	0		14:45	36	98	11	53	151			
03:00	0	1	0	0		15:00	38	20	0	0	58			
03:15	1	0	0	0	1	15:15	30	15	0	0	45			
03:30	1	1	0	0	2	15:30	60	21	0	0	81			
03:45	0	2	0	2	4	15:45	44	172	13	69	241			
04:00	0	3	0	0	3	16:00	55	13	0	0	68			
04:15	0	6	0	0	6	16:15	67	19	0	0	86			
04:30	0	8	0	0	8	16:30	73	16	0	0	89			
04:45	0	5	22	0	5 22	16:45	59	254	28	76	330			
05:00	1	10	0	0	11	17:00	74	19	0	0	93			
05:15	1	22	0	0	23	17:15	60	29	0	0	89			
05:30	0	17	0	0	17	17:30	55	14	0	0	69			
05:45	0	2	35	84	0 86	17:45	55	244	15	77	321			
06:00	3	38	0	0	41	18:00	56	15	0	0	71			
06:15	2	63	0	0	65	18:15	42	13	0	0	55			
06:30	2	65	0	0	67	18:30	46	11	0	0	57			
06:45	2	9	78	244	0 253	18:45	33	177	4	43	220			
07:00	3	79	0	0	82	19:00	25	6	0	0	31			
07:15	5	56	0	0	61	19:15	16	2	0	0	18			
07:30	4	71	0	0	75	19:30	18	7	0	0	25			
07:45	3	15	75	281	0 296	19:45	11	70	3	18	88			
08:00	5	62	0	0	67	20:00	17	4	0	0	21			
08:15	8	54	0	0	62	20:15	18	1	0	0	19			
08:30	11	51	0	0	62	20:30	11	6	0	0	17			
08:45	6	30	40	207	0 237	20:45	10	56	3	14	70			
09:00	7	31	0	0	38	21:00	13	1	0	0	14			
09:15	7	34	0	0	41	21:15	9	6	0	0	15			
09:30	9	30	0	0	39	21:30	9	3	0	0	12			
09:45	4	27	21	116	0 143	21:45	3	34	4	14	48			
10:00	5	18	0	0	23	22:00	5	1	0	0	6			
10:15	3	27	0	0	30	22:15	5	3	0	0	8			
10:30	9	20	0	0	29	22:30	5	2	0	0	7			
10:45	7	24	18	83	0 107	22:45	3	18	2	8	26			
11:00	7	22	0	0	29	23:00	3	0	0	0	3			
11:15	5	22	0	0	27	23:15	1	1	0	0	2			
11:30	11	23	0	0	34	23:30	2	2	0	0	4			
11:45	10	33	18	85	0 118	23:45	2	8	0	3	11			
TOTALS	145	1126			1271	TOTALS	1232	493			1725			
SPLIT %	11.4%	88.6%			42.4%	SPLIT %	71.4%	28.6%			57.6%			

DAILY TOTALS				NB	SB	EB				WB	Total		
				1,377	1,619					0			0
AM Peak Hour	11:45	06:15			06:45	PM Peak Hour	16:15	16:30					16:30
AM Pk Volume	49	285			298	PM Pk Volume	273	92					358
Pk Hr Factor	0.766	0.902			0.909	Pk Hr Factor	0.922	0.793					0.962
7 - 9 Volume	45	488	0	0	533	4 - 6 Volume	498	153	0	0			651
7 - 9 Peak Hour	08:00	07:00			07:00	4 - 6 Peak Hour	16:15	16:30					16:30
7 - 9 Pk Volume	30	281	0	0	296	4 - 6 Pk Volume	273	92	0	0			358
Pk Hr Factor	0.682	0.889	0.000	0.000	0.902	Pk Hr Factor	0.922	0.793	0.000	0.000			0.962

SPEED

Water St Bet. Butchers Row & Main St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_006n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	2	2	0	0	0	0	0	0	0	0	0	4
07:00	0	0	8	5	2	1	0	0	0	0	0	0	0	16
08:00	0	0	1	2	3	0	0	0	0	0	0	0	0	6
09:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
10:00	1	1	1	2	2	2	0	0	0	0	0	0	0	9
11:00	0	1	0	8	2	0	0	0	0	0	0	0	0	11
12:00 PM	0	3	6	3	2	0	0	0	0	0	0	0	0	14
13:00	0	1	0	3	3	0	0	0	0	0	0	0	0	7
14:00	0	2	1	8	4	0	0	0	0	0	0	0	0	15
15:00	0	2	7	7	2	1	0	0	0	0	0	0	0	19
16:00	2	1	2	3	5	1	0	0	0	0	0	0	0	14
17:00	2	2	2	7	6	2	0	0	0	0	0	0	0	21
18:00	0	1	4	3	2	0	0	0	0	0	0	0	0	10
19:00	0	1	4	1	1	0	0	0	0	0	0	0	0	7
20:00	0	0	1	3	0	0	0	0	0	0	0	0	0	4
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	5	17	42	57	34	7								162
% of Totals	3%	10%	26%	35%	21%	4%								100%

AM Volumes	1	4	14	19	9	3	0	0	0	0	0	0	0	50
% AM	1%	2%	9%	12%	6%	2%								31%
AM Peak Hour	10:00	09:00	07:00	11:00	08:00	10:00								07:00
Volume	1	2	8	8	3	2								16
PM Volumes	4	13	28	38	25	4	0	0	0	0	0	0	0	112
% PM	2%	8%	17%	23%	15%	2%								69%
PM Peak Hour	16:00	12:00	15:00	14:00	17:00	17:00								17:00
Volume	2	3	7	8	6	2								21
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		22	14%	21	13%	35	22%	84	52%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Water St	North Bound	20	26	26	32	35
Water St	South Bound	21	27	26	32	36
		ADT				
		162				
		219				

SPEED

Water St Bet. Butchers Row & Main St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_006s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	3	1	0	0	0	0	0	0	0	5
06:00	0	0	2	6	0	1	0	0	0	0	0	0	0	9
07:00	1	5	17	27	11	4	0	0	0	0	0	0	0	65
08:00	0	0	3	7	5	1	0	0	0	0	0	0	0	16
09:00	0	1	3	3	2	1	0	0	0	0	0	0	0	10
10:00	0	2	0	3	0	0	0	0	0	0	0	0	0	5
11:00	0	0	2	1	1	0	0	0	0	0	0	0	0	4
12:00 PM	0	0	5	6	0	0	0	0	0	0	0	0	0	11
13:00	0	2	1	3	1	1	0	0	0	0	0	0	0	8
14:00	0	3	7	10	2	2	0	0	0	0	0	0	0	24
15:00	0	2	4	4	1	0	0	0	0	0	0	0	0	11
16:00	1	1	2	5	1	1	0	0	0	0	0	0	0	11
17:00	0	1	3	7	6	1	0	0	0	0	0	0	0	18
18:00	0	1	3	3	1	0	0	0	0	0	0	0	0	8
19:00	2	1	4	3	0	0	0	0	0	0	0	0	0	10
20:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
21:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Totals	4	20	58	90	34	13								219
% of Totals	2%	9%	26%	41%	16%	6%								100%

AM Volumes	1	8	28	47	22	8	0	0	0	0	0	0	0	114
% AM	0%	4%	13%	21%	10%	4%								52%
AM Peak Hour	07:00	07:00	07:00	07:00	07:00	07:00								07:00
Volume	1	5	17	27	11	4								65
PM Volumes	3	12	30	43	12	5	0	0	0	0	0	0	0	105
% PM	1%	5%	14%	20%	5%	2%								48%
PM Peak Hour	19:00	14:00	14:00	14:00	17:00	14:00								14:00
Volume	2	3	7	10	6	2								24
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		81	↔ 37%	19	↔ 9%	29	↔ 13%	90	↔ 41%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Water St	North Bound	20	26	26	32	35	162
Water St	South Bound	21	27	26	32	36	219

SPEED

Water St Bet. Butchers Row & Main St

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_006

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	1	0	3	1	0	0	0	0	0	0	0	5
06:00	0	0	4	8	0	1	0	0	0	0	0	0	0	13
07:00	1	5	25	32	13	5	0	0	0	0	0	0	0	81
08:00	0	0	4	9	8	1	0	0	0	0	0	0	0	22
09:00	0	3	4	3	2	1	0	0	0	0	0	0	0	13
10:00	1	3	1	5	2	2	0	0	0	0	0	0	0	14
11:00	0	1	2	9	3	0	0	0	0	0	0	0	0	15
12:00 PM	0	3	11	9	2	0	0	0	0	0	0	0	0	25
13:00	0	3	1	6	4	1	0	0	0	0	0	0	0	15
14:00	0	5	8	18	6	2	0	0	0	0	0	0	0	39
15:00	0	4	11	11	3	1	0	0	0	0	0	0	0	30
16:00	3	2	4	8	6	2	0	0	0	0	0	0	0	25
17:00	2	3	5	14	12	3	0	0	0	0	0	0	0	39
18:00	0	2	7	6	3	0	0	0	0	0	0	0	0	18
19:00	2	2	8	4	1	0	0	0	0	0	0	0	0	17
20:00	0	1	1	3	0	0	0	0	0	0	0	0	0	5
21:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Totals	9	37	100	147	68	20								381
% of Totals	2%	10%	26%	39%	18%	5%								100%

AM Volumes	2	12	42	66	31	11	0	0	0	0	0	0	0	164
% AM	1%	3%	11%	17%	8%	3%								43%
AM Peak Hour	07:00	07:00	07:00	07:00	07:00	07:00								07:00
Volume	1	5	25	32	13	5								81
PM Volumes	7	25	58	81	37	9	0	0	0	0	0	0	0	217
% PM	2%	7%	15%	21%	10%	2%								57%
PM Peak Hour	16:00	14:00	12:00	14:00	17:00	17:00								14:00
Volume	3	5	11	18	12	3								39
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		103	27%	40	10%	64	17%	174	46%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Water St	Summary	21	27	26	32	35	381

VOLUME

Water St Bet. Butchers Row & Main St

Day: Wednesday
Date: 10/9/2019

City: Waterford
Project #: VA19_11127_006

DAILY TOTALS					NB	SB						EB	WB	Total
					162	219						0	0	381
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00	0	0	0	0			12:00	4	0	0	0	4		
00:15	0	0	0	0			12:15	5	4	0	0	9		
00:30	0	0	0	0			12:30	3	3	0	0	6		
00:45	0	0	0	0			12:45	2	14	4	11	6		25
01:00	0	0	0	0			13:00	2	0	0	0	2		
01:15	0	0	0	0			13:15	1	2	0	0	3		
01:30	0	0	0	0			13:30	1	1	0	0	2		
01:45	0	0	0	0			13:45	3	7	5	8	8		15
02:00	0	0	0	0			14:00	5	8	0	0	13		
02:15	0	0	0	0			14:15	1	7	0	0	8		
02:30	0	0	0	0			14:30	6	6	0	0	12		
02:45	0	0	0	0			14:45	3	15	3	24	6		39
03:00	0	0	0	0			15:00	2	2	0	0	4		
03:15	0	0	0	0			15:15	5	2	0	0	7		
03:30	0	0	0	0			15:30	6	4	0	0	10		
03:45	0	0	0	0			15:45	6	19	3	11	9		30
04:00	0	0	0	0			16:00	1	1	0	0	2		
04:15	0	0	0	0			16:15	3	2	0	0	5		
04:30	0	0	0	0			16:30	3	3	0	0	6		
04:45	1	1	0	0	1 1		16:45	7	14	5	11	12		25
05:00	0	0	0	0			17:00	3	5	0	0	8		
05:15	0	1	0	0	1		17:15	9	3	0	0	12		
05:30	0	3	0	0	3		17:30	4	3	0	0	7		
05:45	0	1	5	0	1 5		17:45	5	21	7	18	12		39
06:00	0	2	0	0	2		18:00	1	1	0	0	2		
06:15	1	1	0	0	2		18:15	3	1	0	0	4		
06:30	1	2	0	0	3		18:30	3	3	0	0	6		
06:45	2	4	9	0	6 13		18:45	3	10	3	8	6		18
07:00	0	13	0	0	13		19:00	6	0	0	0	6		
07:15	3	12	0	0	15		19:15	0	7	0	0	7		
07:30	5	27	0	0	32		19:30	1	2	0	0	3		
07:45	8	16	13	65	21 81		19:45	0	7	1	10	1		17
08:00	3	4	0	0	7		20:00	1	0	0	0	1		
08:15	0	4	0	0	4		20:15	1	0	0	0	1		
08:30	2	6	0	0	8		20:30	0	1	0	0	1		
08:45	1	6	2	16	3 22		20:45	2	4	0	1	2		5
09:00	0	1	0	0	1		21:00	0	1	0	0	1		
09:15	0	3	0	0	3		21:15	0	0	0	0			
09:30	1	1	0	0	2		21:30	0	0	0	0			
09:45	2	3	5	10	7 13		21:45	0	0	1	0			1
10:00	2	3	0	0	5		22:00	1	0	0	0	1		
10:15	2	0	0	0	2		22:15	0	0	0	0			
10:30	3	1	0	0	4		22:30	0	0	0	0			
10:45	2	9	1	5	3 14		22:45	0	1	0	0			1
11:00	1	2	0	0	3		23:00	0	0	0	0			
11:15	2	0	0	0	2		23:15	0	0	0	0			
11:30	6	1	0	0	7		23:30	0	1	0	0	1		
11:45	2	11	1	4	3 15		23:45	0	1	2	0	1		2
TOTALS	50	114			164		TOTALS	112	105			217		
SPLIT %	30.5%	69.5%			43.0%		SPLIT %	51.6%	48.4%			57.0%		

DAILY TOTALS					NB	SB						EB	WB	Total
					162	219						0	0	381
AM Peak Hour	07:15	07:00			07:00		PM Peak Hour	16:45	13:45			13:45		
AM Pk Volume	19	65			81		PM Pk Volume	23	26			41		
Pk Hr Factor	0.594	0.602			0.633		Pk Hr Factor	0.639	0.813			0.788		
7 - 9 Volume	22	81	0	0	103		4 - 6 Volume	35	29	0	0	64		
7 - 9 Peak Hour	07:15	07:00			07:00		4 - 6 Peak Hour	16:45	17:00			16:45		
7 - 9 Pk Volume	19	65	0	0	81		4 - 6 Pk Volume	23	18	0	0	39		
Pk Hr Factor	0.594	0.602	0.000	0.000	0.633		Pk Hr Factor	0.639	0.643	0.000	0.000	0.813		

SPEED

Water St Bet. Butchers Row & Main St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_006n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
07:00	0	2	4	11	3	1	0	0	0	0	0	0	0	21
08:00	0	0	1	5	2	0	0	0	0	0	0	0	0	8
09:00	0	0	0	2	5	0	0	0	0	0	0	0	0	7
10:00	0	0	4	5	1	0	0	0	0	0	0	0	0	10
11:00	0	1	0	8	4	0	0	0	0	0	0	0	0	13
12:00 PM	0	3	2	1	0	0	0	0	0	0	0	0	0	6
13:00	0	2	0	5	0	1	0	0	0	0	0	0	0	8
14:00	2	2	7	3	1	2	0	0	0	0	0	0	0	17
15:00	0	2	6	10	7	2	0	0	0	0	0	0	0	27
16:00	1	0	6	8	2	0	0	0	0	0	0	0	0	17
17:00	0	2	3	7	5	0	0	0	0	0	0	0	0	17
18:00	0	2	3	4	3	0	0	0	0	0	0	0	0	12
19:00	0	1	2	3	1	0	0	0	0	0	0	0	0	7
20:00	0	0	0	3	0	0	0	0	0	0	0	0	0	3
21:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
22:00	0	0	5	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	3	18	46	75	35	6								183
% of Totals	2%	10%	25%	41%	19%	3%								100%

AM Volumes	0	4	12	31	15	1	0	0	0	0	0	0	0	63
% AM		2%	7%	17%	8%	1%								34%
AM Peak Hour		07:00	07:00	07:00	09:00	07:00								07:00
Volume		2	4	11	5	1								21
PM Volumes	3	14	34	44	20	5	0	0	0	0	0	0	0	120
% PM	2%	8%	19%	24%	11%	3%								66%
PM Peak Hour	14:00	12:00	14:00	15:00	15:00	14:00								15:00
Volume	2	3	7	10	7	2								27
Directional Peak Periods		AM 7-9				NOON 12-2				PM 4-6		Off Peak Volumes		
All Speeds		Volume		%		Volume		%		Volume		%		
		29	↔	16%		14	↔	8%		34	↔	19%		

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Water St	North Bound	21	27	26	32	35
Water St	South Bound	21	26	26	31	34
						ADT
						183
						211

SPEED

Water St Bet. Butchers Row & Main St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_006s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	1	0	0	1	0	0	0	0	0	0	0	2
06:00	0	0	3	4	4	1	0	0	0	0	0	0	0	12
07:00	0	7	14	22	7	1	0	0	0	0	0	0	0	51
08:00	0	0	5	4	1	1	0	0	0	0	0	0	0	11
09:00	1	1	4	4	1	0	0	0	0	0	0	0	0	11
10:00	0	1	5	6	1	0	0	0	0	0	0	0	0	13
11:00	0	1	4	1	2	0	0	0	0	0	0	0	0	8
12:00 PM	2	1	2	6	2	0	0	0	0	0	0	0	0	13
13:00	0	1	1	5	4	1	0	0	0	0	0	0	0	12
14:00	1	1	6	10	4	0	0	0	0	0	0	0	0	22
15:00	1	2	3	7	1	0	0	0	0	0	0	0	0	14
16:00	0	0	6	3	1	0	0	0	0	0	0	0	0	10
17:00	0	1	5	2	0	0	0	0	0	0	0	0	0	8
18:00	0	3	1	3	0	0	0	0	0	0	0	0	0	7
19:00	0	0	1	4	2	0	0	0	0	0	0	0	0	7
20:00	0	0	0	1	1	0	0	0	0	0	0	0	0	2
21:00	0	1	0	2	1	0	0	0	0	0	0	0	0	4
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Totals	5	20	64	85	32	5								211
% of Totals	2%	9%	30%	40%	15%	2%								100%

AM Volumes	1	10	37	41	16	4	0	0	0	0	0	0	0	109
% AM	0%	5%	18%	19%	8%	2%								52%
AM Peak Hour	09:00	07:00	07:00	07:00	07:00	05:00								07:00
Volume	1	7	14	22	7	1								51
PM Volumes	4	10	27	44	16	1	0	0	0	0	0	0	0	102
% PM	2%	5%	13%	21%	8%	0%								48%
PM Peak Hour	12:00	18:00	14:00	14:00	13:00	13:00								14:00
Volume	2	3	6	10	4	1								22
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		62	↔ 29%	25	↔ 12%	18	↔ 9%	106	↔ 50%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Water St	North Bound	21	27	26	32	35	183
Water St	South Bound	21	26	26	31	34	211

SPEED

Water St Bet. Butchers Row & Main St

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_006

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	1	0	0	1	0	0	0	0	0	0	0	2
06:00	0	0	5	4	4	1	0	0	0	0	0	0	0	14
07:00	0	9	18	33	10	2	0	0	0	0	0	0	0	72
08:00	0	0	6	9	3	1	0	0	0	0	0	0	0	19
09:00	1	1	4	6	6	0	0	0	0	0	0	0	0	18
10:00	0	1	9	11	2	0	0	0	0	0	0	0	0	23
11:00	0	2	4	9	6	0	0	0	0	0	0	0	0	21
12:00 PM	2	4	4	7	2	0	0	0	0	0	0	0	0	19
13:00	0	3	1	10	4	2	0	0	0	0	0	0	0	20
14:00	3	3	13	13	5	2	0	0	0	0	0	0	0	39
15:00	1	4	9	17	8	2	0	0	0	0	0	0	0	41
16:00	1	0	12	11	3	0	0	0	0	0	0	0	0	27
17:00	0	3	8	9	5	0	0	0	0	0	0	0	0	25
18:00	0	5	4	7	3	0	0	0	0	0	0	0	0	19
19:00	0	1	3	7	3	0	0	0	0	0	0	0	0	14
20:00	0	0	0	4	1	0	0	0	0	0	0	0	0	5
21:00	0	1	0	2	2	0	0	0	0	0	0	0	0	5
22:00	0	0	6	0	0	0	0	0	0	0	0	0	0	6
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Totals	8	38	110	160	67	11								394
% of Totals	2%	10%	28%	41%	17%	3%								100%

AM Volumes	1	14	49	72	31	5	0	0	0	0	0	0	0	172
% AM	0%	4%	12%	18%	8%	1%								44%
AM Peak Hour	09:00	07:00	07:00	07:00	07:00	07:00								07:00
Volume	1	9	18	33	10	2								72
PM Volumes	7	24	61	88	36	6	0	0	0	0	0	0	0	222
% PM	2%	6%	15%	22%	9%	2%								56%
PM Peak Hour	14:00	18:00	14:00	15:00	15:00	13:00								15:00
Volume	3	5	13	17	8	2								41
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		91	23%	39	10%	52	13%	212	54%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Water St	Summary	21	26	26	31	34	394

VOLUME

Water St Bet. Butchers Row & Main St

Day: Thursday
Date: 10/10/2019

City: Waterford
Project #: VA19_11127_006

DAILY TOTALS					NB	SB					Total
					183	211					394
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0	0	0		12:00	2	1	0	0	3
00:15	0	0	0	0		12:15	1	3	0	0	4
00:30	0	0	0	0		12:30	1	4	0	0	5
00:45	0	0	0	0		12:45	2	6	5	13	19
01:00	1	0	0	0	1	13:00	1	3	0	0	4
01:15	1	0	0	0	1	13:15	1	2	0	0	3
01:30	0	0	0	0		13:30	3	2	0	0	5
01:45	0	2	0	0	2	13:45	3	8	5	12	20
02:00	0	0	0	0		14:00	3	2	0	0	5
02:15	0	0	0	0		14:15	1	6	0	0	7
02:30	0	0	0	0		14:30	8	9	0	0	17
02:45	0	0	0	0		14:45	5	17	5	22	39
03:00	0	0	0	0		15:00	8	5	0	0	13
03:15	0	0	0	0		15:15	6	4	0	0	10
03:30	0	0	0	0		15:30	7	4	0	0	11
03:45	0	0	0	0		15:45	6	27	1	14	41
04:00	0	0	0	0		16:00	1	3	0	0	4
04:15	0	1	0	0	1	16:15	4	1	0	0	5
04:30	0	0	0	0		16:30	4	1	0	0	5
04:45	0	0	1	0	1	16:45	8	17	5	10	27
05:00	0	1	0	0	1	17:00	3	1	0	0	4
05:15	0	0	0	0		17:15	3	3	0	0	6
05:30	0	1	0	0	1	17:30	6	2	0	0	8
05:45	0	0	2	0	2	17:45	5	17	2	8	25
06:00	0	2	0	0	2	18:00	4	4	0	0	8
06:15	0	0	0	0		18:15	5	2	0	0	7
06:30	1	5	0	0	6	18:30	2	0	0	0	2
06:45	1	2	5	12	14	18:45	1	12	1	7	19
07:00	1	5	0	0	6	19:00	2	5	0	0	7
07:15	1	13	0	0	14	19:15	0	1	0	0	1
07:30	10	20	0	0	30	19:30	3	0	0	0	3
07:45	9	21	13	51	72	19:45	2	7	1	7	14
08:00	1	4	0	0	5	20:00	1	0	0	0	1
08:15	4	2	0	0	6	20:15	0	0	0	0	
08:30	2	2	0	0	4	20:30	2	1	0	0	3
08:45	1	8	3	11	19	20:45	0	3	1	2	5
09:00	2	4	0	0	6	21:00	0	0	0	0	
09:15	0	2	0	0	2	21:15	0	3	0	0	3
09:30	2	1	0	0	3	21:30	1	1	0	0	2
09:45	3	7	4	11	18	21:45	0	1	0	4	5
10:00	4	3	0	0	7	22:00	2	0	0	0	2
10:15	3	3	0	0	6	22:15	1	0	0	0	1
10:30	2	4	0	0	6	22:30	1	1	0	0	2
10:45	1	10	3	13	23	22:45	1	5	0	1	6
11:00	1	3	0	0	4	23:00	0	1	0	0	1
11:15	3	2	0	0	5	23:15	0	0	0	0	
11:30	7	1	0	0	8	23:30	0	1	0	0	1
11:45	2	13	2	8	21	23:45	0	0	2	0	2
TOTALS	63	109			172	TOTALS	120	102			222
SPLIT %	36.6%	63.4%			43.7%	SPLIT %	54.1%	45.9%			56.3%

DAILY TOTALS					NB	SB					Total
					183	211					394
AM Peak Hour	07:30	07:00		07:00			PM Peak Hour	14:30	14:15		14:30
AM Pk Volume	24	51		72			PM Pk Volume	27	25		50
Pk Hr Factor	0.600	0.638		0.600			Pk Hr Factor	0.844	0.694		0.735
7 - 9 Volume	29	62	0	91			4 - 6 Volume	34	18	0	52
7 - 9 Peak Hour	07:30	07:00		07:00			4 - 6 Peak Hour	16:45	16:45		16:45
7 - 9 Pk Volume	24	51	0	72			4 - 6 Pk Volume	20	11	0	31
Pk Hr Factor	0.600	0.638	0.000	0.600			Pk Hr Factor	0.625	0.550	0.000	0.596

SPEED

Main St Bet. 2nd St & Route 662

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_007n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	2	0	0	0	0	0	0	0	0	0	3
02:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	1	0	0	1	0	0	0	0	0	0	0	0	2
05:00	0	2	1	2	0	0	0	0	0	0	0	0	0	5
06:00	1	2	5	5	1	0	0	0	0	0	0	0	0	14
07:00	2	7	26	7	0	0	0	0	0	0	0	0	0	42
08:00	5	5	17	5	0	0	0	0	0	0	0	0	0	32
09:00	0	8	17	5	1	2	0	0	0	0	0	0	0	33
10:00	1	15	22	7	1	0	0	0	0	0	0	0	0	46
11:00	5	16	30	8	1	0	0	0	0	0	0	0	0	60
12:00 PM	3	16	38	20	2	0	0	0	0	0	0	0	0	79
13:00	4	13	40	22	4	1	0	0	0	0	0	0	0	84
14:00	3	25	71	48	5	1	0	0	0	0	0	0	0	153
15:00	20	67	156	104	4	0	0	0	0	0	0	0	0	351
16:00	5	28	255	178	17	3	0	0	0	0	0	0	0	486
17:00	7	37	250	143	19	1	0	0	0	0	0	0	0	457
18:00	9	35	146	106	12	0	0	0	0	0	0	0	0	308
19:00	2	5	70	41	9	0	0	0	0	0	0	0	0	127
20:00	1	6	48	26	5	0	0	0	0	0	0	0	0	86
21:00	0	2	22	18	1	1	0	0	0	0	0	0	0	44
22:00	0	1	7	13	0	1	0	0	0	0	0	0	0	22
23:00	0	0	6	4	2	1	0	0	0	0	0	0	0	13
Totals	68	291	1230	765	86	11								2451
% of Totals	3%	12%	50%	31%	4%	0%								100%

AM Volumes	14	56	121	42	6	2	0	0	0	0	0	0	0	241
% AM	1%	2%	5%	2%	0%	0%								10%
AM Peak Hour	08:00	11:00	11:00	11:00	02:00	09:00								11:00
Volume	5	16	30	8	1	2								60
PM Volumes	54	235	1109	723	80	9	0	0	0	0	0	0	0	2210
% PM	2%	10%	45%	29%	3%	0%								90%
PM Peak Hour	15:00	15:00	16:00	16:00	17:00	16:00								16:00
Volume	20	67	255	178	19	3								486
Directional Peak Periods			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Speeds			Volume		%	Volume		%	Volume		%	Volume		%
			74	↔	3%	163	↔	7%	943	↔	38%	1271	↔	52%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Loyalty Rd	Main St	20	24	24	28	30	2451
Loyalty Rd	Main St	17	22	22	27	30	1968

SPEED

Main St Bet. 2nd St & Route 662

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_007s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	8	10	6	1	0	0	0	0	0	0	0	25
05:00	3	13	51	47	11	3	0	0	0	0	0	0	0	128
06:00	6	87	152	82	4	0	0	0	0	0	0	0	0	331
07:00	25	143	216	38	3	0	0	0	0	0	0	0	0	425
08:00	9	47	132	60	7	0	0	0	0	0	0	0	0	255
09:00	3	28	68	29	6	0	0	0	0	0	0	0	0	134
10:00	8	27	41	11	1	0	0	0	0	0	0	0	0	88
11:00	12	16	37	6	3	0	0	0	0	0	0	0	0	74
12:00 PM	6	13	21	21	1	0	0	0	0	0	0	0	0	62
13:00	3	13	22	12	0	0	0	0	0	0	0	0	0	50
14:00	8	20	21	16	2	0	0	0	0	0	0	0	0	67
15:00	15	35	26	8	1	1	0	0	0	0	0	0	0	86
16:00	2	8	27	8	1	0	0	0	0	0	0	0	0	46
17:00	2	16	32	15	3	2	0	0	0	0	0	0	0	70
18:00	2	21	27	5	2	1	0	0	0	0	0	0	0	58
19:00	1	9	14	5	2	0	0	0	0	0	0	0	0	31
20:00	3	0	9	5	0	0	0	0	0	0	0	0	0	17
21:00	0	2	5	2	1	1	0	0	0	0	0	0	0	11
22:00	0	0	0	1	1	0	0	0	0	0	0	0	0	2
23:00	0	1	1	3	0	0	0	0	0	0	0	0	0	5
Totals	108	501	910	385	55	9								1968
% of Totals	5%	25%	46%	20%	3%	0%								100%

AM Volumes	66	363	705	284	41	4	0	0	0	0	0	0	0	1463
% AM	3%	18%	36%	14%	2%	0%								74%
AM Peak Hour	07:00	07:00	07:00	06:00	05:00	05:00								07:00
Volume	25	143	216	82	11	3								425
PM Volumes	42	138	205	101	14	5	0	0	0	0	0	0	0	505
% PM	2%	7%	10%	5%	1%	0%								26%
PM Peak Hour	15:00	15:00	17:00	12:00	17:00	17:00								15:00
Volume	15	35	32	21	3	2								86
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		680	↔ 35%	112	↔ 6%	116	↔ 6%	1060	↔ 54%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Loyalty Rd	North Bound	20	24	24	28	30	2451
Loyalty Rd	South Bound	17	22	22	27	30	1968

SPEED

Main St Bet. 2nd St & Route 662

Day: Wednesday

Date: 10/9/2019

City: Waterford

Project #: VA19_11127_007

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	1	1	2	0	0	0	0	0	0	0	0	0	4
02:00	0	1	1	1	1	0	0	0	0	0	0	0	0	4
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	1	8	10	7	1	0	0	0	0	0	0	0	27
05:00	3	15	52	49	11	3	0	0	0	0	0	0	0	133
06:00	7	89	157	87	5	0	0	0	0	0	0	0	0	345
07:00	27	150	242	45	3	0	0	0	0	0	0	0	0	467
08:00	14	52	149	65	7	0	0	0	0	0	0	0	0	287
09:00	3	36	85	34	7	2	0	0	0	0	0	0	0	167
10:00	9	42	63	18	2	0	0	0	0	0	0	0	0	134
11:00	17	32	67	14	4	0	0	0	0	0	0	0	0	134
12:00 PM	9	29	59	41	3	0	0	0	0	0	0	0	0	141
13:00	7	26	62	34	4	1	0	0	0	0	0	0	0	134
14:00	11	45	92	64	7	1	0	0	0	0	0	0	0	220
15:00	35	102	182	112	5	1	0	0	0	0	0	0	0	437
16:00	7	36	282	186	18	3	0	0	0	0	0	0	0	532
17:00	9	53	282	158	22	3	0	0	0	0	0	0	0	527
18:00	11	56	173	111	14	1	0	0	0	0	0	0	0	366
19:00	3	14	84	46	11	0	0	0	0	0	0	0	0	158
20:00	4	6	57	31	5	0	0	0	0	0	0	0	0	103
21:00	0	4	27	20	2	2	0	0	0	0	0	0	0	55
22:00	0	1	7	14	1	1	0	0	0	0	0	0	0	24
23:00	0	1	7	7	2	1	0	0	0	0	0	0	0	18
Totals	176	792	2140	1150	141	20								4419
% of Totals	4%	18%	48%	26%	3%	0%								100%

AM Volumes	80	419	826	326	47	6	0	0	0	0	0	0	0	1704
% AM	2%	9%	19%	7%	1%	0%								39%
AM Peak Hour	07:00	07:00	07:00	06:00	05:00	05:00								07:00
Volume	27	150	242	87	11	3								467
PM Volumes	96	373	1314	824	94	14	0	0	0	0	0	0	0	2715
% PM	2%	8%	30%	19%	2%	0%								61%
PM Peak Hour	15:00	15:00	16:00	16:00	17:00	16:00								16:00
Volume	35	102	282	186	22	3								532
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		754	17%	275	6%	1059	24%	2331	53%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Loyalty Rd	Summary	18	23	23	28	30
		ADT				
		4419				

VOLUME

Main St Bet. 2nd St & Route 662

Day: Wednesday
Date: 10/9/2019

City: Waterford
Project #: VA19_11127_007

DAILY TOTALS					NB	SB						EB	WB	Total
					2,451	1,968						0	0	4,419
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	0	0	0	0	11	12:00	14	16	0	0	30	79141		
00:15	0	0	0	0		12:15	19	21	0	0	40			
00:30	1	0	0	0		12:30	23	11	0	0	34			
00:45	0	1	0	0		12:45	23	14	62	0	37			
01:00	0	0	0	0	314	13:00	25	8	0	0	33	84500		
01:15	0	0	0	0		13:15	16	16	0	0	32			
01:30	2	1	0	0		13:30	19	12	0	0	31			
01:45	1	3	0	1		0	13:45	24	14	50	0			38
02:00	1	0	0	0	124	14:00	22	18	0	0	40	153670		
02:15	0	2	0	0		14:15	39	20	0	0	59			
02:30	1	0	0	0		14:30	44	16	0	0	60			
02:45	0	2	0	2		0	14:45	48	13	0	0			61
03:00	0	0	0	0	11	15:00	57	19	0	0	76	351860		
03:15	0	0	0	0		15:15	82	17	0	0	99			
03:30	1	0	0	0		15:30	107	18	0	0	125			
03:45	0	1	0	0		15:45	105	32	86	0	0			137
04:00	1	3	0	0	4527	16:00	101	14	0	0	115	486460		
04:15	0	5	0	0		16:15	119	8	0	0	127			
04:30	0	8	0	0		16:30	124	16	0	0	140			
04:45	1	2	9	25		0	16:45	142	8	46	0			150
05:00	1	13	0	0	1425133	17:00	125	17	0	0	142	457700		
05:15	0	25	0	0		17:15	109	19	0	0	128			
05:30	2	47	0	0		17:30	133	18	0	0	151			
05:45	2	5	43	128		0	17:45	90	16	0	0			106
06:00	2	49	0	0	519191112	18:00	95	14	0	0	109	308580		
06:15	5	86	0	0		18:15	76	14	0	0	90			
06:30	3	88	0	0		18:30	63	18	0	0	81			
06:45	4	14	108	331		0	18:45	74	12	58	0			86
07:00	7	105	0	0	11299130126	19:00	45	4	0	0	49	127310		
07:15	7	92	0	0		19:15	33	12	0	0	45			
07:30	13	117	0	0		19:30	24	10	0	0	34			
07:45	15	42	111	425		0	19:45	25	5	31	0			30
08:00	7	93	0	0	100647548	20:00	19	4	0	0	23	86170		
08:15	5	59	0	0		20:15	21	3	0	0	24			
08:30	6	69	0	0		20:30	17	5	0	0	22			
08:45	14	32	34	255		0	20:45	29	86	5	17			34
09:00	6	42	0	0	48414335	21:00	13	5	0	0	18	44110		
09:15	7	34	0	0		21:15	11	2	0	0	13			
09:30	10	33	0	0		21:30	7	2	0	0	9			
09:45	10	33	25	134		0	21:45	13	2	11	0			15
10:00	9	26	0	0	35273933	22:00	5	1	0	0	6	220200		
10:15	7	20	0	0		22:15	7	1	0	0	8			
10:30	15	24	0	0		22:30	7	0	0	0	7			
10:45	15	46	18	88		0	22:45	3	0	2	0			3
11:00	15	18	0	0	33273440	23:00	4	1	0	0	5	135000		
11:15	11	16	0	0		23:15	5	0	0	0	5			
11:30	14	20	0	0		23:30	4	3	0	0	7			
11:45	20	60	20	74		0	23:45	0	13	1	5			1
TOTALS	241	1463			1704	TOTALS	2210	505			2715			
SPLIT %	14.1%	85.9%			38.6%	SPLIT %	81.4%	18.6%			61.4%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					2,451	1,968						0	0	4,419	
AM Peak Hour	11:45	07:00			07:00		PM Peak Hour	16:15	15:00					16:45	
AM Pk Volume	76	425			467		PM Pk Volume	510	86					571	
Pk Hr Factor	0.826	0.908			0.898		Pk Hr Factor	0.898	0.672					0.945	
7 - 9 Volume	74	680	0	0	754		4 - 6 Volume	943	116	0	0			1059	
7 - 9 Peak Hour	07:00	07:00			07:00		4 - 6 Peak Hour	16:15	17:00					16:45	
7 - 9 Pk Volume	42	425	0	0	467		4 - 6 Pk Volume	510	70	0	0			571	
Pk Hr Factor	0.700	0.908	0.000	0.000	0.898		Pk Hr Factor	0.898	0.921	0.000	0.000			0.945	

SPEED

Main St Bet. 2nd St & Route 662

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_007n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	2	1	0	0	0	0	0	0	0	0	3
01:00	0	1	1	4	0	0	0	0	0	0	0	0	0	6
02:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2
03:00	0	0	1	2	0	1	0	0	0	0	0	0	0	4
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	1	0	0	0	0	0	0	0	0	2
06:00	4	3	5	1	0	0	0	0	0	0	0	0	0	13
07:00	3	13	19	4	1	0	0	0	0	0	0	0	0	40
08:00	7	14	12	8	1	1	0	0	0	0	0	0	0	43
09:00	3	7	19	12	0	0	0	0	0	0	0	0	0	41
10:00	6	16	13	14	5	0	0	0	0	0	0	0	0	54
11:00	8	14	24	12	0	1	0	0	0	0	0	0	0	59
12:00 PM	10	13	38	16	2	0	0	0	0	0	0	0	0	79
13:00	6	21	32	21	3	0	0	0	0	0	0	0	0	83
14:00	12	23	78	59	4	0	0	0	0	0	0	0	0	176
15:00	13	108	157	71	5	1	0	0	0	0	0	0	0	355
16:00	22	83	242	124	12	0	0	0	0	0	0	0	0	483
17:00	9	67	280	135	14	1	0	0	0	0	0	0	0	506
18:00	12	61	188	85	11	1	0	0	0	0	0	0	0	358
19:00	9	17	70	45	6	1	0	0	0	0	0	0	0	148
20:00	2	6	43	24	4	1	0	0	0	0	0	0	0	80
21:00	0	7	24	13	5	1	0	0	0	0	0	0	0	50
22:00	0	6	22	11	2	0	0	0	0	0	0	0	0	41
23:00	0	0	6	3	0	0	0	0	0	0	0	0	0	9
Totals	126	480	1275	667	78	9								2635
% of Totals	5%	18%	48%	25%	3%	0%								100%

AM Volumes	31	68	95	60	10	3	0	0	0	0	0	0	0	267
% AM	1%	3%	4%	2%	0%	0%								10%
AM Peak Hour	11:00	10:00	11:00	10:00	10:00	03:00								11:00
Volume	8	16	24	14	5	1								59
PM Volumes	95	412	1180	607	68	6	0	0	0	0	0	0	0	2368
% PM	4%	16%	45%	23%	3%	0%								90%
PM Peak Hour	16:00	15:00	17:00	17:00	17:00	15:00								17:00
Volume	22	108	280	135	14	1								506
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		83	↔ 3%	162	↔ 6%	989	↔ 38%	1401	↔ 53%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Loyalty Rd	North Bound	18	23	23	28	30	2635
Loyalty Rd	South Bound	16	22	21	27	29	2001

SPEED

Main St Bet. 2nd St & Route 662

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_007s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	1	0	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	1	6	12	7	0	0	0	0	0	0	0	0	26
05:00	0	8	46	45	13	3	0	0	0	0	0	0	0	115
06:00	17	78	136	88	8	1	0	0	0	0	0	0	0	328
07:00	26	157	189	35	1	0	0	0	0	0	0	0	0	408
08:00	27	114	101	31	0	0	0	0	0	0	0	0	0	273
09:00	3	31	66	27	3	1	0	0	0	0	0	0	0	131
10:00	4	26	50	19	2	0	0	0	0	0	0	0	0	101
11:00	14	27	25	11	1	1	0	0	0	0	0	0	0	79
12:00 PM	6	24	27	11	2	0	0	0	0	0	0	0	0	70
13:00	7	20	22	9	2	2	0	0	0	0	0	0	0	62
14:00	8	17	28	9	1	0	0	0	0	0	0	0	0	63
15:00	5	29	25	6	1	0	0	0	0	0	0	0	0	66
16:00	7	22	30	11	5	3	0	0	0	0	0	0	0	78
17:00	6	13	43	12	1	2	0	0	0	0	0	0	0	77
18:00	9	19	16	7	0	1	0	0	0	0	0	0	0	52
19:00	2	8	11	7	0	0	0	0	0	0	0	0	0	28
20:00	2	3	5	5	0	0	0	0	0	0	0	0	0	15
21:00	1	4	4	4	0	1	0	0	0	0	0	0	0	14
22:00	0	1	3	2	0	0	0	0	0	0	0	0	0	6
23:00	0	1	1	2	0	0	0	0	0	0	0	0	0	4
Totals	144	605	834	356	47	15								2001
% of Totals	7%	30%	42%	18%	2%	1%								100%

AM Volumes	91	444	619	271	35	6	0	0	0	0	0	0	0	1466
% AM	5%	22%	31%	14%	2%	0%								73%
AM Peak Hour	08:00	07:00	07:00	06:00	05:00	05:00								07:00
Volume	27	157	189	88	13	3								408
PM Volumes	53	161	215	85	12	9	0	0	0	0	0	0	0	535
% PM	3%	8%	11%	4%	1%	0%								27%
PM Peak Hour	18:00	15:00	17:00	17:00	16:00	16:00								16:00
Volume	9	29	43	12	5	3								78
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		681	↔ 34%	132	↔ 7%	155	↔ 8%	1033	↔ 52%					

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Loyalty Rd	North Bound	18	23	23	28	30	2635
Loyalty Rd	South Bound	16	22	21	27	29	2001

SPEED

Main St Bet. 2nd St & Route 662

Day: Thursday

Date: 10/10/2019

City: Waterford

Project #: VA19_11127_007

Summary

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
00:00 AM	0	0	0	3	1	0	0	0	0	0	0	0	0	4
01:00	0	2	1	5	0	0	0	0	0	0	0	0	0	8
02:00	0	0	1	1	1	0	0	0	0	0	0	0	0	3
03:00	0	1	1	2	0	1	0	0	0	0	0	0	0	5
04:00	0	1	6	12	7	0	0	0	0	0	0	0	0	26
05:00	0	8	46	46	14	3	0	0	0	0	0	0	0	117
06:00	21	81	141	89	8	1	0	0	0	0	0	0	0	341
07:00	29	170	208	39	2	0	0	0	0	0	0	0	0	448
08:00	34	128	113	39	1	1	0	0	0	0	0	0	0	316
09:00	6	38	85	39	3	1	0	0	0	0	0	0	0	172
10:00	10	42	63	33	7	0	0	0	0	0	0	0	0	155
11:00	22	41	49	23	1	2	0	0	0	0	0	0	0	138
12:00 PM	16	37	65	27	4	0	0	0	0	0	0	0	0	149
13:00	13	41	54	30	5	2	0	0	0	0	0	0	0	145
14:00	20	40	106	68	5	0	0	0	0	0	0	0	0	239
15:00	18	137	182	77	6	1	0	0	0	0	0	0	0	421
16:00	29	105	272	135	17	3	0	0	0	0	0	0	0	561
17:00	15	80	323	147	15	3	0	0	0	0	0	0	0	583
18:00	21	80	204	92	11	2	0	0	0	0	0	0	0	410
19:00	11	25	81	52	6	1	0	0	0	0	0	0	0	176
20:00	4	9	48	29	4	1	0	0	0	0	0	0	0	95
21:00	1	11	28	17	5	2	0	0	0	0	0	0	0	64
22:00	0	7	25	13	2	0	0	0	0	0	0	0	0	47
23:00	0	1	7	5	0	0	0	0	0	0	0	0	0	13
Totals	270	1085	2109	1023	125	24								4636
% of Totals	6%	23%	45%	22%	3%	1%								100%

AM Volumes	122	512	714	331	45	9	0	0	0	0	0	0	0	1733
% AM	3%	11%	15%	7%	1%	0%								37%
AM Peak Hour	08:00	07:00	07:00	06:00	05:00	05:00								07:00
Volume	34	170	208	89	14	3								448
PM Volumes	148	573	1395	692	80	15	0	0	0	0	0	0	0	2903
% PM	3%	12%	30%	15%	2%	0%								63%
PM Peak Hour	16:00	15:00	17:00	17:00	16:00	16:00								17:00
Volume	29	137	323	147	17	3								583
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Speeds		Volume	%	Volume	%	Volume	%	Volume	%					
		764	16%	294	6%	1144	25%	2434	53%					

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Loyalty Rd	Summary	17	22	22	27	30
		ADT				
		4636				

VOLUME

Main St Bet. 2nd St & Route 662

Day: Thursday
Date: 10/10/2019

City: Waterford
Project #: VA19_11127_007

DAILY TOTALS					NB	SB						EB	WB	Total
					2,635	2,001						0	0	4,636
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	0	0	0	0		12:00	22	21	0	0	43			
00:15	1	0	0	0	1	12:15	21	17	0	0	38			
00:30	1	1	0	0	2	12:30	16	19	0	0	35			
00:45	1	3	0	1	1	12:45	20	79	13	70	33			
01:00	3	0	0	0	3	13:00	15	18	0	0	33			
01:15	1	0	0	0	1	13:15	19	8	0	0	27			
01:30	1	1	0	0	2	13:30	27	11	0	0	38			
01:45	1	6	1	2	2	13:45	22	83	25	62	47			
02:00	1	0	0	0	1	14:00	33	11	0	0	44			
02:15	1	1	0	0	2	14:15	27	19	0	0	46			
02:30	0	0	0	0		14:30	46	18	0	0	64			
02:45	0	2	0	1	3	14:45	70	176	15	63	85			
03:00	0	1	0	0	1	15:00	60	20	0	0	80			
03:15	1	0	0	0	1	15:15	77	14	0	0	91			
03:30	1	0	0	0	1	15:30	117	21	0	0	138			
03:45	2	4	0	1	2	15:45	101	355	11	66	112			
04:00	0	3	0	0	3	16:00	117	19	0	0	136			
04:15	0	6	0	0	6	16:15	113	21	0	0	134			
04:30	0	9	0	0	9	16:30	138	15	0	0	153			
04:45	0	8	26	0	8	16:45	115	483	23	78	138			
05:00	1	14	0	0	15	17:00	152	15	0	0	167			
05:15	1	27	0	0	28	17:15	131	31	0	0	162			
05:30	0	26	0	0	26	17:30	117	15	0	0	132			
05:45	0	2	48	115	48	17:45	106	506	16	77	122			
06:00	3	57	0	0	60	18:00	106	17	0	0	123			
06:15	3	74	0	0	77	18:15	95	16	0	0	111			
06:30	2	81	0	0	83	18:30	98	10	0	0	108			
06:45	5	13	116	328	121	18:45	59	358	9	52	68			
07:00	3	101	0	0	104	19:00	53	11	0	0	64			
07:15	7	92	0	0	99	19:15	29	3	0	0	32			
07:30	16	109	0	0	125	19:30	32	10	0	0	42			
07:45	14	40	106	408	120	19:45	34	148	4	28	38			
08:00	5	91	0	0	96	20:00	24	3	0	0	27			
08:15	10	68	0	0	78	20:15	22	2	0	0	24			
08:30	17	64	0	0	81	20:30	17	6	0	0	23			
08:45	11	43	50	273	61	20:45	17	80	4	15	21			
09:00	8	34	0	0	42	21:00	15	1	0	0	16			
09:15	10	44	0	0	54	21:15	14	6	0	0	20			
09:30	12	28	0	0	40	21:30	14	3	0	0	17			
09:45	11	41	25	131	36	21:45	7	50	4	14	11			
10:00	10	26	0	0	36	22:00	10	0	0	0	10			
10:15	14	31	0	0	45	22:15	17	3	0	0	20			
10:30	11	21	0	0	32	22:30	6	2	0	0	8			
10:45	19	54	23	101	42	22:45	8	41	1	6	9			
11:00	9	18	0	0	27	23:00	4	0	0	0	4			
11:15	16	26	0	0	42	23:15	0	1	0	0	1			
11:30	18	16	0	0	34	23:30	4	3	0	0	7			
11:45	16	59	19	79	35	23:45	1	9	0	4	1			
TOTALS	267	1466			1733	TOTALS	2368	535			2903			
SPLIT %	15.4%	84.6%			37.4%	SPLIT %	81.6%	18.4%			62.6%			

DAILY TOTALS			NB	SB					EB	WB	Total
			2,635	2,001					0	0	4,636
AM Peak Hour	11:30	06:45			06:45	PM Peak Hour	16:30	16:30			16:30
AM Pk Volume	77	418			449	PM Pk Volume	536	84			620
Pk Hr Factor	0.875	0.901			0.898	Pk Hr Factor	0.882	0.677			0.928
7 - 9 Volume	83	681	0	0	764	4 - 6 Volume	989	155	0	0	1144
7 - 9 Peak Hour	07:45	07:00			07:00	4 - 6 Peak Hour	16:30	16:30			16:30
7 - 9 Pk Volume	46	408	0	0	448	4 - 6 Pk Volume	536	84	0	0	620
Pk Hr Factor	0.676	0.936	0.000	0.000	0.896	Pk Hr Factor	0.882	0.677	0.000	0.000	0.928