

Appendix B

Ann Arbor

Lower Town Mobility Study

Traffic Data Collection

December 13, 2019

**Index: City of Ann Arbor Lower Town Area Mobility Study
 OHM / TDC Project Supplement No. 50.
 Traffic Studies Performed Tuesday (11/19) & Thursday (11/21)**

26 – 13 & 24 hour multi-modal video intersection classification turning movement & automatic traffic recorder counts conducted for following site locations during typical weekday’s (Tuesday & Thursday), while school was in session. Peak hours reports provided from 6:00-9:00 AM morning, 11:00 AM -1:00 PM mid-day & 2:00-6:00 PM afternoon peak periods:

Count No.	Location
TMC_1	US-23 SB Ramps & Whitmore Lake Rd. / Barton Dr.
TMC_2	US-23 NB Ramps & Barton Dr.
TMC_3	Barton Dr. & Chandler Rd.
TMC_4	Pontiac Trail & Dhu Varren Rd.
TMC_5	Pontiac Trail & Taylor St.
TMC_6	Pontiac Trail & John A Woods Dr.
TMC_7	Chandler Rd. & Argo Dr.
TMC_8	Pontiac Trail & Argo Dr.
TMC_9	Pontiac Trail & Moore St. / Longshore Dr.
TMC_10	Moore St. & Traver St.
TMC_11	Barton Dr. & Traver St.
TMC_12	Plymouth Rd. & Barton Dr.
TMC_13	Plymouth Rd. & Broadway St.
TMC_14	Broadway Street & Maiden Lane *
TMC_15	Broadway St. & Wall St.
TMC_16	Broadway St. & Swift St
TMC_17	Broadway St. & Detroit St.
TMC_18	Division St & Carey St.
TMC_19	Division St & Detroit St.
TMC_20	Carey St & High St
TMC_21	Division St. & Kingsley St.
TMC_22	Division St. & Catherine St.
TMC_23	Canal St (N) & Wall St.
TMC_24	Canal St (S) & Wall St.
TMC_25	Maiden Ln. & Island Dr.
TMC_26	Pontiac Trail & Arrowwood Trail

*** Denotes 24 Hour Traffic Counts**

6-13 hour Origin & Destination (OD) Miovision Wi-Fi Mac addresses conducted for following site locations during typical weekday (Tuesday) November 19, 2019 from 6:00 AM - 7:00 PM.

OD_1	Pontiac Trail & Dhu Varren Rd.
OD_2	Barton Drive; East of US-23 NB
OD_3	Plymouth Rd. & Barton Dr.
OD_4	Moore St. & Traver St.
OD_5	Maiden Ln at Island Dr
OD_6	Broadway St. North of Detroit

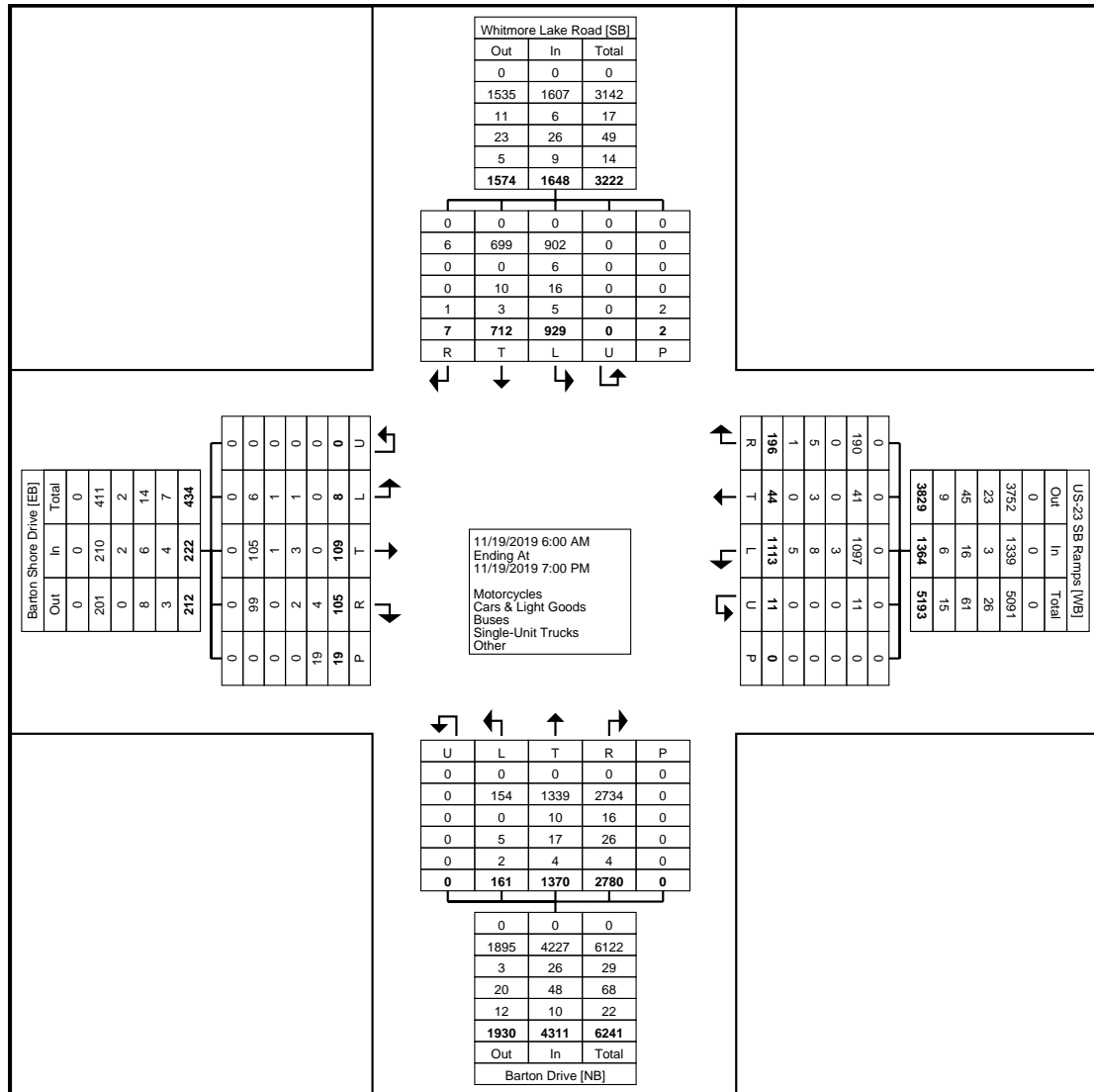
5:30 PM	0	10	22	0	0	32	9	1	16	0	0	26	92	64	4	0	0	160	1	3	0	0	0	4	222
5:45 PM	0	4	13	0	0	17	5	0	19	0	0	24	96	47	5	0	0	148	3	1	0	0	0	4	193
Hourly Total	0	33	79	0	0	112	26	3	71	2	0	102	388	224	20	0	0	632	10	9	0	0	2	19	865
6:00 PM	0	11	10	0	0	21	7	0	28	0	0	35	59	36	9	0	0	104	0	3	0	0	1	3	163
6:15 PM	0	9	12	0	0	21	7	1	27	0	0	35	43	42	4	0	0	89	2	2	1	0	0	5	150
6:30 PM	0	8	17	0	0	25	2	0	18	0	0	20	59	16	2	0	0	77	0	3	0	0	3	3	125
6:45 PM	1	9	10	0	0	20	2	0	23	0	0	25	29	16	6	0	0	51	2	2	0	0	0	4	100
Hourly Total	1	37	49	0	0	87	18	1	96	0	0	115	190	110	21	0	0	321	4	10	1	0	4	15	538
Grand Total	7	712	929	0	2	1648	196	44	1113	11	0	1364	2780	1370	161	0	0	4311	105	109	8	0	19	222	7545
Approach %	0.4	43.2	56.4	0.0	-	-	14.4	3.2	81.6	0.8	-	-	64.5	31.8	3.7	0.0	-	-	47.3	49.1	3.6	0.0	-	-	-
Total %	0.1	9.4	12.3	0.0	-	21.8	2.6	0.6	14.8	0.1	-	18.1	36.8	18.2	2.1	0.0	-	57.1	1.4	1.4	0.1	0.0	-	2.9	-
Motorcycles	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	6	699	902	0	-	1607	190	41	1097	11	-	1339	2734	1339	154	0	-	4227	99	105	6	0	-	210	7383
% Cars & Light Goods	85.7	98.2	97.1	-	-	97.5	96.9	93.2	98.6	100.0	-	98.2	98.3	97.7	95.7	-	-	98.1	94.3	96.3	75.0	-	-	94.6	97.9
Buses	0	0	6	0	-	6	0	0	3	0	-	3	16	10	0	0	-	26	0	1	1	0	-	2	37
% Buses	0.0	0.0	0.6	-	-	0.4	0.0	0.0	0.3	0.0	-	0.2	0.6	0.7	0.0	-	-	0.6	0.0	0.9	12.5	-	-	0.9	0.5
Single-Unit Trucks	0	10	16	0	-	26	5	3	8	0	-	16	26	17	5	0	-	48	2	3	1	0	-	6	96
% Single-Unit Trucks	0.0	1.4	1.7	-	-	1.6	2.6	6.8	0.7	0.0	-	1.2	0.9	1.2	3.1	-	-	1.1	1.9	2.8	12.5	-	-	2.7	1.3
Articulated Trucks	0	2	5	0	-	7	1	0	5	0	-	6	4	1	0	0	-	5	0	0	0	0	-	0	18
% Articulated Trucks	0.0	0.3	0.5	-	-	0.4	0.5	0.0	0.4	0.0	-	0.4	0.1	0.1	0.0	-	-	0.1	0.0	0.0	0.0	-	-	0.0	0.2
Bicycles on Road	1	1	0	0	-	2	0	0	0	0	-	0	0	3	2	0	-	5	4	0	0	0	-	4	11
% Bicycles on Road	14.3	0.1	0.0	-	-	0.1	0.0	0.0	0.0	0.0	-	0.0	0.0	0.2	1.2	-	-	0.1	3.8	0.0	0.0	-	-	1.8	0.1
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	2	-	-
% Bicycles on Crosswalk	-	-	-	-	50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.5	-	-
Pedestrians	-	-	-	-	1	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	17	-	-
% Pedestrians	-	-	-	-	50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.5	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34N
 SE

Count Name: TMC_1 US-23
 SB & Whitmore Lake_11-
 19-19
 Site Code: TMC_1
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34N
 SE

Count Name: TMC_1 US-23
 SB & Whitmore Lake_11-
 19-19
 Site Code: TMC_1
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:15 AM)

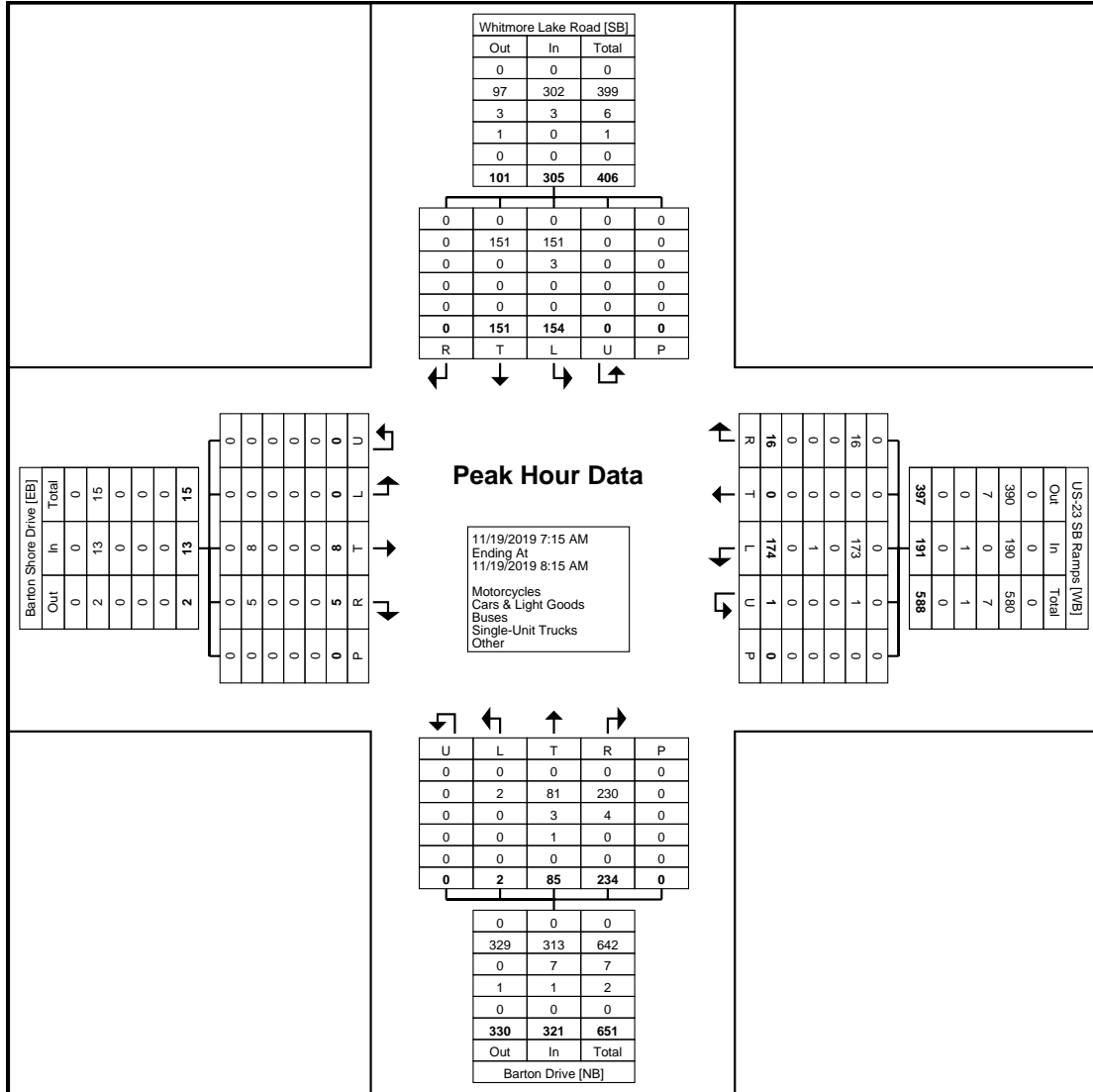
Start Time	Whitmore Lake Road Southbound						US-23 SB Ramps Westbound						Barton Drive Northbound						Barton Shore Drive Eastbound						Int. Total
	Right	Thru	Left	U-Turn	Peds	App. Total	Right	Thru	Left	U-Turn	Peds	App. Total	Right	Thru	Left	U-Turn	Peds	App. Total	Right	Thru	Left	U-Turn	Peds	App. Total	
7:15 AM	0	37	40	0	0	77	7	0	53	0	0	60	44	12	0	0	0	56	1	3	0	0	0	4	197
7:30 AM	0	31	38	0	0	69	2	0	51	1	0	54	70	23	0	0	0	93	0	1	0	0	0	1	217
7:45 AM	0	44	45	0	0	89	4	0	38	0	0	42	50	24	1	0	0	75	2	2	0	0	0	4	210
8:00 AM	0	39	31	0	0	70	3	0	32	0	0	35	70	26	1	0	0	97	2	2	0	0	0	4	206
Total	0	151	154	0	0	305	16	0	174	1	0	191	234	85	2	0	0	321	5	8	0	0	0	13	830
Approach %	0.0	49.5	50.5	0.0	-	-	8.4	0.0	91.1	0.5	-	-	72.9	26.5	0.6	0.0	-	-	38.5	61.5	0.0	0.0	-	-	-
Total %	0.0	18.2	18.6	0.0	-	36.7	1.9	0.0	21.0	0.1	-	23.0	28.2	10.2	0.2	0.0	-	38.7	0.6	1.0	0.0	0.0	-	1.6	-
PHF	0.000	0.858	0.856	0.000	-	0.857	0.571	0.000	0.821	0.250	-	0.796	0.836	0.817	0.500	0.000	-	0.827	0.625	0.667	0.000	0.000	-	0.813	0.956
Motorcycles	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Motorcycles	-	0.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-	0.0	0.0
Cars & Light Goods	0	151	151	0	-	302	16	0	173	1	-	190	230	81	2	0	-	313	5	8	0	0	-	13	818
% Cars & Light Goods	-	100.0	98.1	-	-	99.0	100.0	-	99.4	100.0	-	99.5	98.3	95.3	100.0	-	-	97.5	100.0	100.0	-	-	-	100.0	98.6
Buses	0	0	3	0	-	3	0	0	0	0	-	0	4	3	0	0	-	7	0	0	0	0	-	0	10
% Buses	-	0.0	1.9	-	-	1.0	0.0	-	0.0	0.0	-	0.0	1.7	3.5	0.0	-	-	2.2	0.0	0.0	-	-	-	0.0	1.2
Single-Unit Trucks	0	0	0	0	-	0	0	0	1	0	-	1	0	1	0	0	-	1	0	0	0	0	-	0	2
% Single-Unit Trucks	-	0.0	0.0	-	-	0.0	0.0	-	0.6	0.0	-	0.5	0.0	1.2	0.0	-	-	0.3	0.0	0.0	-	-	-	0.0	0.2
Articulated Trucks	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Articulated Trucks	-	0.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-	0.0	0.0
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Bicycles on Road	-	0.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34N
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_1 US-23
 SB & Whitmore Lake_11-
 19-19
 Site Code: TMC_1
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34N
 SE

Count Name: TMC_1 US-23
 SB & Whitmore Lake_11-
 19-19
 Site Code: TMC_1
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:15 AM)

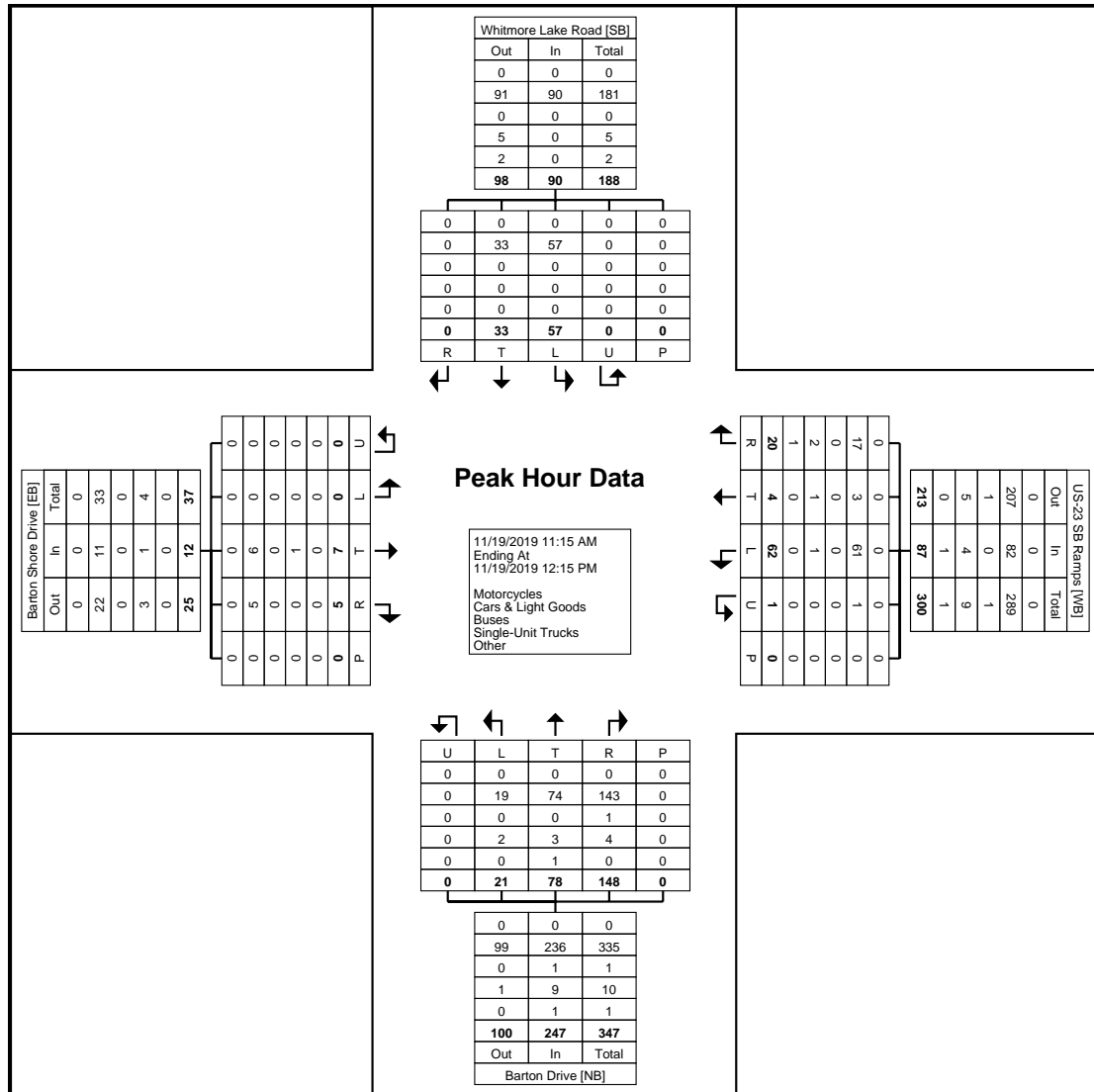
Start Time	Whitmore Lake Road Southbound						US-23 SB Ramps Westbound						Barton Drive Northbound						Barton Shore Drive Eastbound						Int. Total
	Right	Thru	Left	U-Turn	Peds	App. Total	Right	Thru	Left	U-Turn	Peds	App. Total	Right	Thru	Left	U-Turn	Peds	App. Total	Right	Thru	Left	U-Turn	Peds	App. Total	
11:15 AM	0	13	9	0	0	22	5	1	10	0	0	16	39	23	4	0	0	66	3	1	0	0	0	4	108
11:30 AM	0	9	14	0	0	23	5	1	13	0	0	19	32	18	8	0	0	58	0	3	0	0	0	3	103
11:45 AM	0	4	14	0	0	18	3	2	19	0	0	24	43	22	6	0	0	71	2	1	0	0	0	3	116
12:00 PM	0	7	20	0	0	27	7	0	20	1	0	28	34	15	3	0	0	52	0	2	0	0	0	2	109
Total	0	33	57	0	0	90	20	4	62	1	0	87	148	78	21	0	0	247	5	7	0	0	0	12	436
Approach %	0.0	36.7	63.3	0.0	-	-	23.0	4.6	71.3	1.1	-	-	59.9	31.6	8.5	0.0	-	-	41.7	58.3	0.0	0.0	-	-	-
Total %	0.0	7.6	13.1	0.0	-	20.6	4.6	0.9	14.2	0.2	-	20.0	33.9	17.9	4.8	0.0	-	56.7	1.1	1.6	0.0	0.0	-	2.8	-
PHF	0.000	0.635	0.713	0.000	-	0.833	0.714	0.500	0.775	0.250	-	0.777	0.860	0.848	0.656	0.000	-	0.870	0.417	0.583	0.000	0.000	-	0.750	0.940
Motorcycles	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Motorcycles	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-	0.0	0.0
Cars & Light Goods	0	33	57	0	-	90	17	3	61	1	-	82	143	74	19	0	-	236	5	6	0	0	-	11	419
% Cars & Light Goods	-	100.0	100.0	-	-	100.0	85.0	75.0	98.4	100.0	-	94.3	96.6	94.9	90.5	-	-	95.5	100.0	85.7	-	-	-	91.7	96.1
Buses	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	0	-	1	0	0	0	0	-	0	1
% Buses	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.7	0.0	0.0	-	-	0.4	0.0	0.0	-	-	-	0.0	0.2
Single-Unit Trucks	0	0	0	0	-	0	2	1	1	0	-	4	4	3	2	0	-	9	0	1	0	0	-	1	14
% Single-Unit Trucks	-	0.0	0.0	-	-	0.0	10.0	25.0	1.6	0.0	-	4.6	2.7	3.8	9.5	-	-	3.6	0.0	14.3	-	-	-	8.3	3.2
Articulated Trucks	0	0	0	0	-	0	1	0	0	0	-	1	0	0	0	0	-	0	0	0	0	0	-	0	1
% Articulated Trucks	-	0.0	0.0	-	-	0.0	5.0	0.0	0.0	0.0	-	1.1	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-	0.0	0.2
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	1	0	0	-	1	0	0	0	0	-	0	1
% Bicycles on Road	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	1.3	0.0	-	-	0.4	0.0	0.0	-	-	-	0.0	0.2
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34N
 SE

Count Name: TMC_1 US-23
 SB & Whitmore Lake_11-
 19-19
 Site Code: TMC_1
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34N
 SE

Count Name: TMC_1 US-23
 SB & Whitmore Lake_11-
 19-19
 Site Code: TMC_1
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:30 PM)

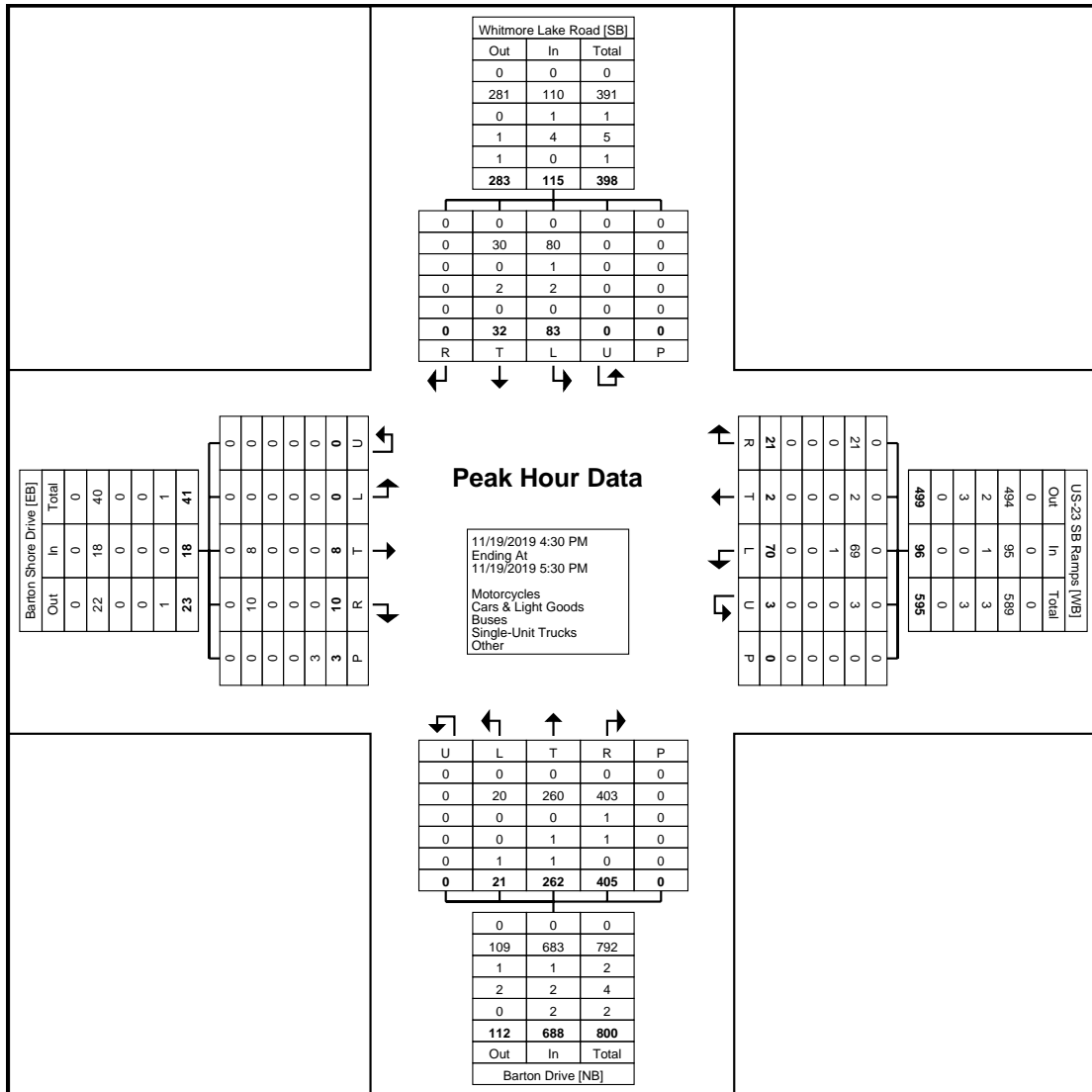
Start Time	Whitmore Lake Road Southbound						US-23 SB Ramps Westbound						Barton Drive Northbound						Barton Shore Drive Eastbound						Int. Total
	Right	Thru	Left	U-Turn	Peds	App. Total	Right	Thru	Left	U-Turn	Peds	App. Total	Right	Thru	Left	U-Turn	Peds	App. Total	Right	Thru	Left	U-Turn	Peds	App. Total	
4:30 PM	0	6	21	0	0	27	2	0	14	0	0	16	93	83	6	0	0	182	3	0	0	0	0	3	228
4:45 PM	0	7	18	0	0	25	7	0	20	1	0	28	112	66	4	0	0	182	1	3	0	0	1	4	239
5:00 PM	0	9	19	0	0	28	10	1	15	1	0	27	98	50	8	0	0	156	3	4	0	0	1	7	218
5:15 PM	0	10	25	0	0	35	2	1	21	1	0	25	102	63	3	0	0	168	3	1	0	0	1	4	232
Total	0	32	83	0	0	115	21	2	70	3	0	96	405	262	21	0	0	688	10	8	0	0	3	18	917
Approach %	0.0	27.8	72.2	0.0	-	-	21.9	2.1	72.9	3.1	-	-	58.9	38.1	3.1	0.0	-	-	55.6	44.4	0.0	0.0	-	-	-
Total %	0.0	3.5	9.1	0.0	-	12.5	2.3	0.2	7.6	0.3	-	10.5	44.2	28.6	2.3	0.0	-	75.0	1.1	0.9	0.0	0.0	-	2.0	-
PHF	0.000	0.800	0.830	0.000	-	0.821	0.525	0.500	0.833	0.750	-	0.857	0.904	0.789	0.656	0.000	-	0.945	0.833	0.500	0.000	0.000	-	0.643	0.959
Motorcycles	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Motorcycles	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-	0.0	0.0
Cars & Light Goods	0	30	80	0	-	110	21	2	69	3	-	95	403	260	20	0	-	683	10	8	0	0	-	18	906
% Cars & Light Goods	-	93.8	96.4	-	-	95.7	100.0	100.0	98.6	100.0	-	99.0	99.5	99.2	95.2	-	-	99.3	100.0	100.0	-	-	-	100.0	98.8
Buses	0	0	1	0	-	1	0	0	1	0	-	1	1	0	0	0	-	1	0	0	0	0	-	0	3
% Buses	-	0.0	1.2	-	-	0.9	0.0	0.0	1.4	0.0	-	1.0	0.2	0.0	0.0	-	-	0.1	0.0	0.0	-	-	-	0.0	0.3
Single-Unit Trucks	0	2	2	0	-	4	0	0	0	0	-	0	1	1	0	0	-	2	0	0	0	0	-	0	6
% Single-Unit Trucks	-	6.3	2.4	-	-	3.5	0.0	0.0	0.0	0.0	-	0.0	0.2	0.4	0.0	-	-	0.3	0.0	0.0	-	-	-	0.0	0.7
Articulated Trucks	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Articulated Trucks	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-	0.0	0.0
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	1	1	0	-	2	0	0	0	0	-	0	2
% Bicycles on Road	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.4	4.8	-	-	0.3	0.0	0.0	-	-	-	0.0	0.2
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.3	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	2	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66.7	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34N
 SE

Count Name: TMC_1 US-23
 SB & Whitmore Lake_11-
 19-19
 Site Code: TMC_1
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:30 PM)



Project: Lower Town Area
Mobility Study
Corridor: Barton Drive
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU34N
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_1 US-23
SB & Whitmore Lake_11-
19-19
Site Code: TMC_1
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized intersection, US-23 SB Off-Ramp / Barton Shore Dr. are stop controlled for Whitmore Lake / Barton Dr. at their intersection. VCU camera was located within SE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

Leg Direction	Whitmore Lake Road Southbound						US-23 SB Ramps Westbound						Barton Drive Northbound						Barton Shore Drive Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
Lights	6	699	902	0	1607	-	190	41	1097	11	1339	-	2734	1339	154	0	4227	-	99	105	6	0	210	-	7383
% Lights	85.7%	98.2%	97.1%	0%	97.5%	-	96.9%	93.2%	98.6%	100%	98.2%	-	98.3%	97.7%	95.7%	0%	98.1%	-	94.3%	96.3%	75.0%	0%	94.6%	-	97.9%
Single-Unit Trucks	0	10	16	0	26	-	5	3	8	0	16	-	26	17	5	0	48	-	2	3	1	0	6	-	96
% Single-Unit Trucks	0%	1.4%	1.7%	0%	1.6%	-	2.6%	6.8%	0.7%	0%	1.2%	-	0.9%	1.2%	3.1%	0%	1.1%	-	1.9%	2.8%	12.5%	0%	2.7%	-	1.3%
Articulated Trucks	0	2	5	0	7	-	1	0	5	0	6	-	4	1	0	0	5	-	0	0	0	0	0	-	18
% Articulated Trucks	0%	0.3%	0.5%	0%	0.4%	-	0.5%	0%	0.4%	0%	0.4%	-	0.1%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.2%
Buses	0	0	6	0	6	-	0	0	3	0	3	-	16	10	0	0	26	-	0	1	1	0	2	-	37
% Buses	0%	0%	0.6%	0%	0.4%	-	0%	0%	0.3%	0%	0.2%	-	0.6%	0.7%	0%	0%	0.6%	-	0%	0.9%	12.5%	0%	0.9%	-	0.5%
Bicycles on Road	1	1	0	0	2	-	0	0	0	0	0	-	0	3	2	0	5	-	4	0	0	0	4	-	11
% Bicycles on Road	14.3%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%	0.2%	1.2%	0%	0.1%	-	3.8%	0%	0%	0%	1.8%	-	0.1%
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	-	17
% Pedestrians	-	-	-	-	-	50.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.5%
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	-	2
% Bicycles on Crosswalk	-	-	-	-	-	50.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.5%

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_1 US-23 SB & Whitmore Lake_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728491, Location: 42.304715, -83.746435, Site Code: TMC_1 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

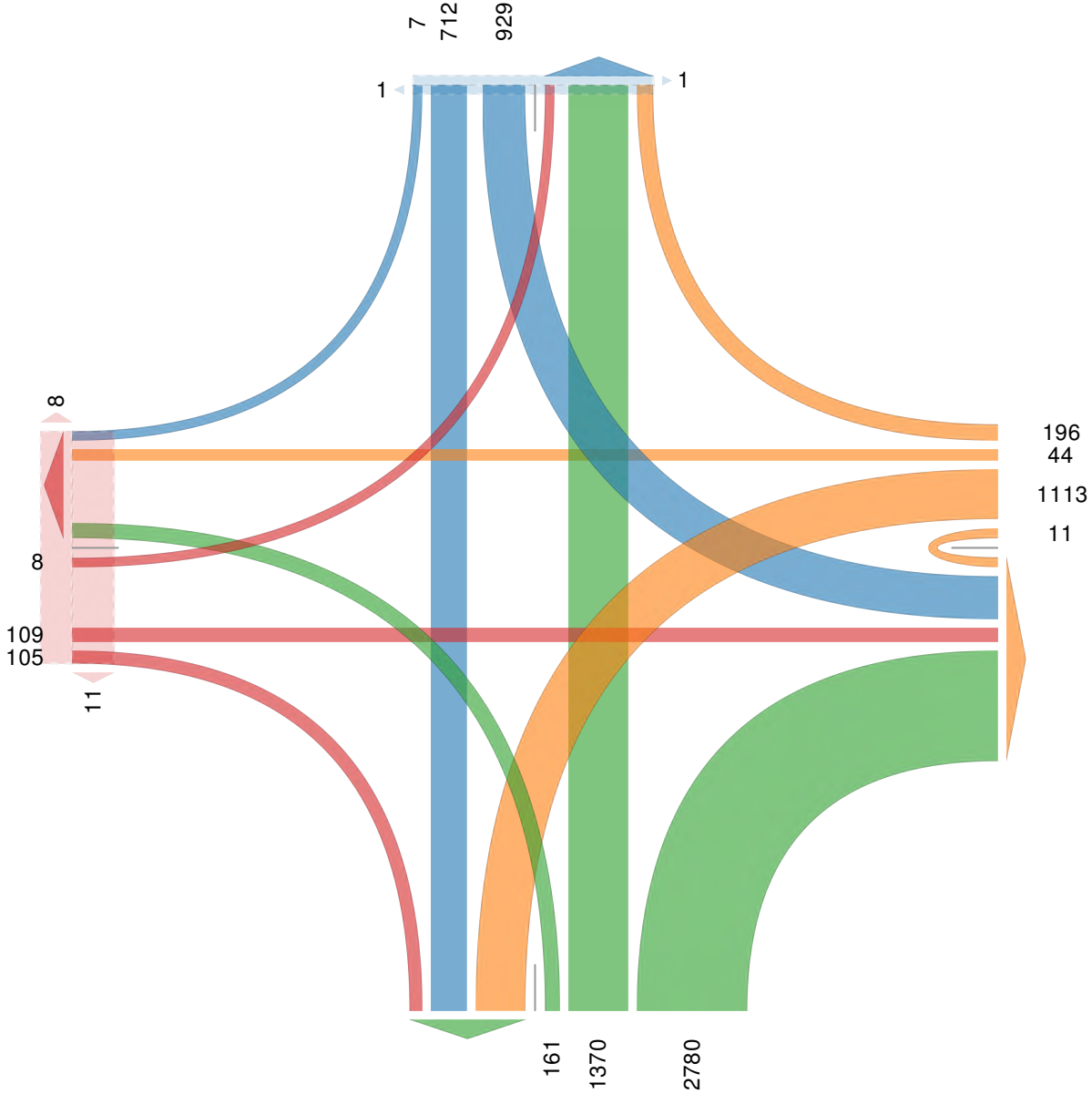
[N] Whitmore Lake Road

Total: 3222

In: 1648 Out: 1574

[W] Barton Shore Drive

Total: 434
In: 222 Out: 212



Out: 3829 In: 1364
Total: 5193
[E] US-23 SB Ramps

Out: 1930 In: 4311
Total: 6241
[S] Barton Drive

TMC_1 US-23 SB & Whitmore Lake_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:15 AM - 8:15 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728491, Location: 42.304715, -83.746435, Site Code: TMC_1 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Whitmore Lake Road Southbound					US-23 SB Ramps Westbound					Barton Drive Northbound					Barton Shore Drive Eastbound										
Time	R	T	L	U	App Ped*	R	T	L	U	App Ped*	R	T	L	U	App Ped*	R	T	L	U	App Ped*	Int					
2019-11-19 7:15AM	0	37	40	0	77	0	7	0	53	0	60	0	44	12	0	0	56	0	1	3	0	0	4	0	197	
7:30AM	0	31	38	0	69	0	2	0	51	1	54	0	70	23	0	0	93	0	0	1	0	0	1	0	217	
7:45AM	0	44	45	0	89	0	4	0	38	0	42	0	50	24	1	0	75	0	2	2	0	0	4	0	210	
8:00AM	0	39	31	0	70	0	3	0	32	0	35	0	70	26	1	0	97	0	2	2	0	0	4	0	206	
Total	0	151	154	0	305	0	16	0	174	1	191	0	234	85	2	0	321	0	5	8	0	0	13	0	830	
% Approach	0%	49.5%	50.5%	0%	-	-	8.4%	0%	91.1%	0.5%	-	-	72.9%	26.5%	0.6%	0%	-	-	38.5%	61.5%	0%	0%	-	-	-	
% Total	0%	18.2%	18.6%	0%	36.7%	-	1.9%	0%	21.0%	0.1%	23.0%	-	28.2%	10.2%	0.2%	0%	38.7%	-	0.6%	1.0%	0%	0%	1.6%	-	-	
PHF	-	0.858	0.856	-	0.857	-	0.571	-	0.821	0.250	0.796	-	0.836	0.817	0.500	-	0.827	-	0.625	0.667	-	-	0.813	-	0.956	
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	
Lights	0	151	151	0	302	-	16	0	173	1	190	-	230	81	2	0	313	-	5	8	0	0	13	-	818	
% Lights	0%	100%	98.1%	0%	99.0%	-	100%	0%	99.4%	100%	99.5%	-	98.3%	95.3%	100%	0%	97.5%	-	100%	100%	0%	0%	100%	-	98.6%	
Single-Unit Trucks	0	0	0	0	0	-	0	0	1	0	1	-	0	1	0	0	1	-	0	0	0	0	0	-	2	
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0%	0.6%	0%	0.5%	-	0%	1.2%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.2%	
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	
Buses	0	0	3	0	3	-	0	0	0	0	0	-	4	3	0	0	7	-	0	0	0	0	0	-	10	
% Buses	0%	0%	1.9%	0%	1.0%	-	0%	0%	0%	0%	0%	-	1.7%	3.5%	0%	0%	2.2%	-	0%	0%	0%	0%	0%	-	1.2%	
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_1 US-23 SB & Whitmore Lake_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:15 AM - 8:15 AM)

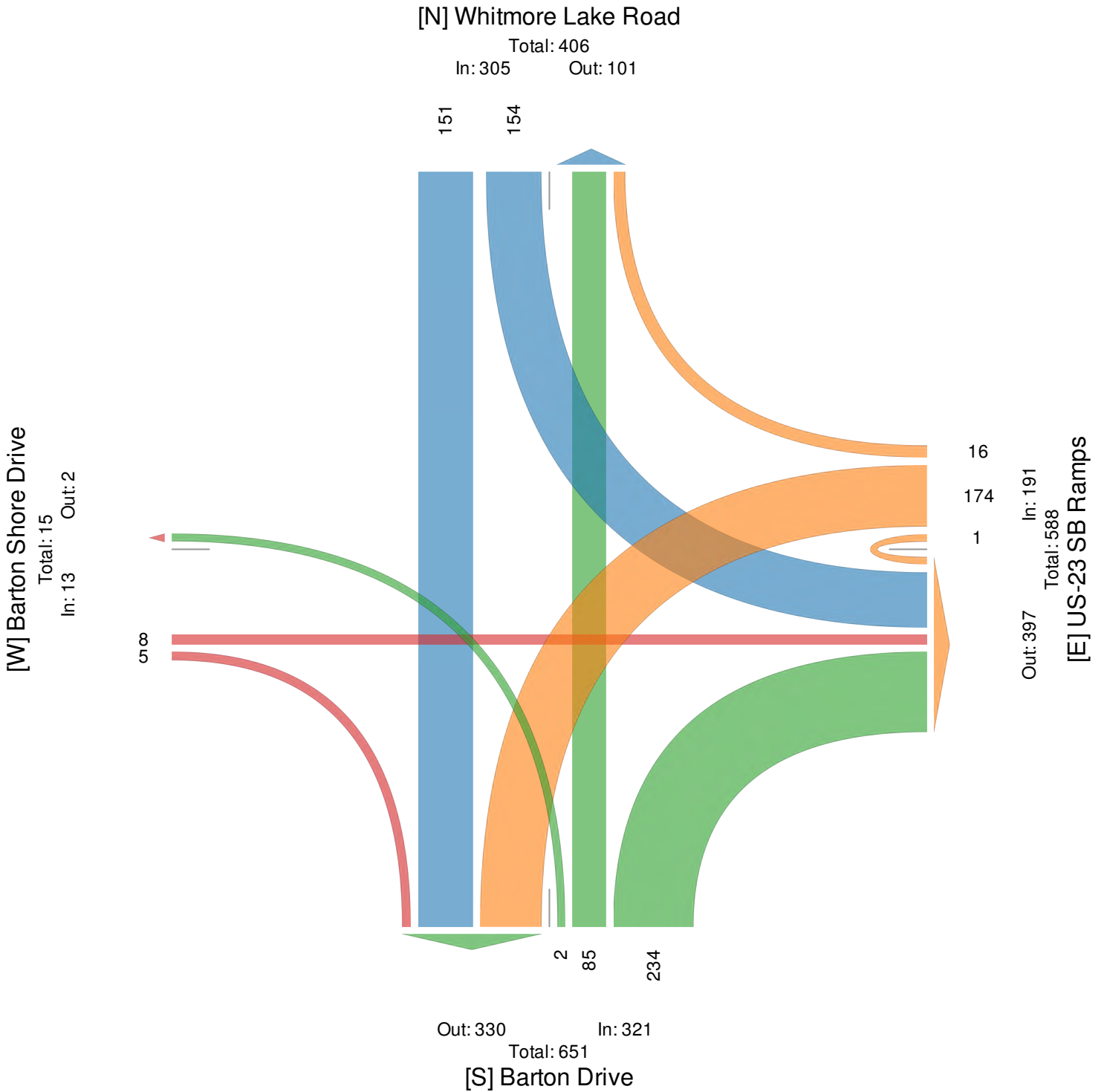
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728491, Location: 42.304715, -83.746435, Site Code: TMC_1 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_1 US-23 SB & Whitmore Lake_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728491, Location: 42.304715, -83.746435, Site Code: TMC_1 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Whitmore Lake Road Southbound						US-23 SB Ramps Westbound						Barton Drive Northbound						Barton Shore Drive Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 11:15AM	0	13	9	0	22	0	5	1	10	0	16	0	39	23	4	0	66	0	3	1	0	0	4	0	108
11:30AM	0	9	14	0	23	0	5	1	13	0	19	0	32	18	8	0	58	0	0	3	0	0	3	0	103
11:45AM	0	4	14	0	18	0	3	2	19	0	24	0	43	22	6	0	71	0	2	1	0	0	3	0	116
12:00PM	0	7	20	0	27	0	7	0	20	1	28	0	34	15	3	0	52	0	0	2	0	0	2	0	109
Total	0	33	57	0	90	0	20	4	62	1	87	0	148	78	21	0	247	0	5	7	0	0	12	0	436
% Approach	0%	36.7%	63.3%	0%	-	-	23.0%	4.6%	71.3%	1.1%	-	-	59.9%	31.6%	8.5%	0%	-	-	41.7%	58.3%	0%	0%	-	-	-
% Total	0%	7.6%	13.1%	0%	20.6%	-	4.6%	0.9%	14.2%	0.2%	20.0%	-	33.9%	17.9%	4.8%	0%	56.7%	-	1.1%	1.6%	0%	0%	2.8%	-	-
PHF	-	0.635	0.713	-	0.833	-	0.714	0.500	0.775	0.250	0.777	-	0.860	0.837	0.656	-	0.879	-	0.417	0.583	-	-	0.750	-	0.946
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	0	33	57	0	90	-	17	3	61	1	82	-	143	74	19	0	236	-	5	6	0	0	11	-	419
% Lights	0%	100%	100%	0%	100%	-	85.0%	75.0%	98.4%	100%	94.3%	-	96.6%	94.9%	90.5%	0%	95.5%	-	100%	85.7%	0%	0%	91.7%	-	96.1%
Single-Unit Trucks	0	0	0	0	0	-	2	1	1	0	4	-	4	3	2	0	9	-	0	1	0	0	1	-	14
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	10.0%	25.0%	1.6%	0%	4.6%	-	2.7%	3.8%	9.5%	0%	3.6%	-	0%	14.3%	0%	0%	8.3%	-	3.2%
Articulated Trucks	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	5.0%	0%	0%	0%	1.1%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.2%
Buses	0	0	0	0	0	-	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	1
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.7%	0%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0.2%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	1.3%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0.2%
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_1 US-23 SB & Whitmore Lake_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728491, Location: 42.304715, -83.746435, Site Code: TMC_1 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Whitmore Lake Road

Total: 188
In: 90 Out: 98

33 57

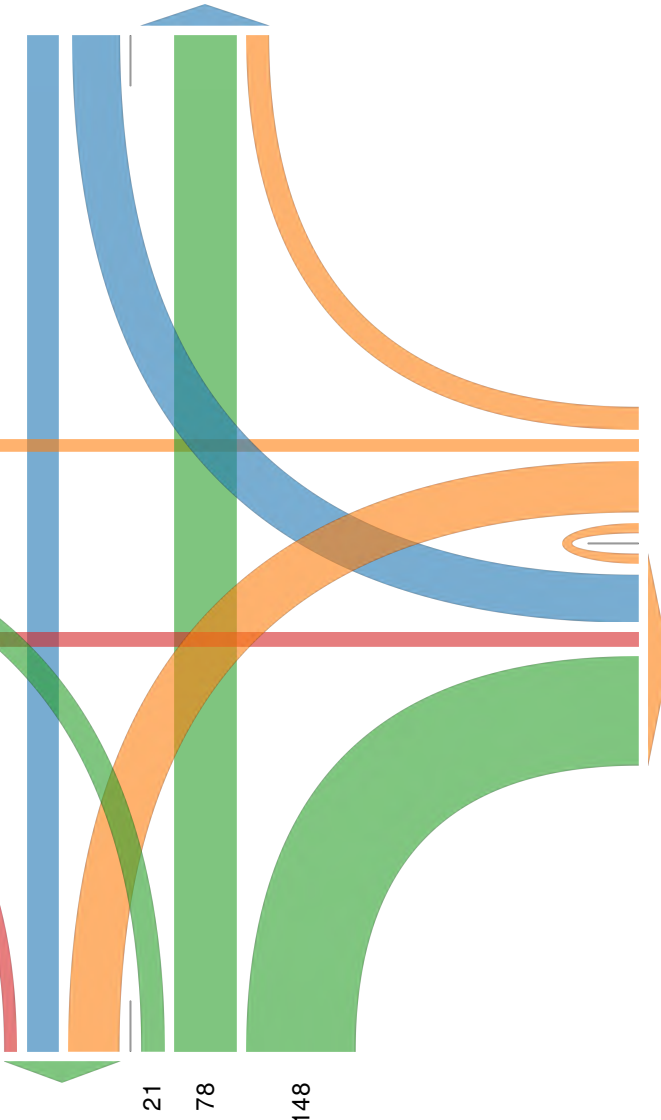
[W] Barton Shore Drive

Total: 37
In: 12 Out: 25

7
5

20
4
62
1

Out: 213 In: 87
Total: 300
[E] US-23 SB Ramps



Out: 100 In: 247
Total: 347
[S] Barton Drive

21 78 148

TMC_1 US-23 SB & Whitmore Lake_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728491, Location: 42.304715, -83.746435, Site Code: TMC_1 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Whitmore Lake Road Southbound						US-23 SB Ramps Westbound						Barton Drive Northbound						Barton Shore Drive Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 4:30PM	0	6	21	0	27	0	2	0	14	0	16	0	93	83	6	0	182	0	3	0	0	0	3	0	228
4:45PM	0	7	18	0	25	0	7	0	20	1	28	0	112	66	4	0	182	0	1	3	0	0	4	1	239
5:00PM	0	9	19	0	28	0	10	1	15	1	27	0	98	50	8	0	156	0	3	4	0	0	7	1	218
5:15PM	0	10	25	0	35	0	2	1	21	1	25	0	102	63	3	0	168	0	3	1	0	0	4	1	232
Total	0	32	83	0	115	0	21	2	70	3	96	0	405	262	21	0	688	0	10	8	0	0	18	3	917
% Approach	0%	27.8%	72.2%	0%	-	-	21.9%	2.1%	72.9%	3.1%	-	-	58.9%	38.1%	3.1%	0%	-	-	55.6%	44.4%	0%	0%	-	-	-
% Total	0%	3.5%	9.1%	0%	12.5%	-	2.3%	0.2%	7.6%	0.3%	10.5%	-	44.2%	28.6%	2.3%	0%	75.0%	-	1.1%	0.9%	0%	0%	2.0%	-	-
PHF	-	0.800	0.830	-	0.821	-	0.525	0.500	0.833	0.750	0.857	-	0.904	0.786	0.714	-	0.942	-	0.833	0.500	-	-	0.643	-	0.961
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	0	30	80	0	110	-	21	2	69	3	95	-	403	260	20	0	683	-	10	8	0	0	18	-	906
% Lights	0%	93.8%	96.4%	0%	95.7%	-	100%	100%	98.6%	100%	99.0%	-	99.5%	99.2%	95.2%	0%	99.3%	-	100%	100%	0%	0%	100%	-	98.8%
Single-Unit Trucks	0	2	2	0	4	-	0	0	0	0	0	-	1	1	0	0	2	-	0	0	0	0	0	-	6
% Single-Unit Trucks	0%	6.3%	2.4%	0%	3.5%	-	0%	0%	0%	0%	0%	-	0.2%	0.4%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.7%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Buses	0	0	1	0	1	-	0	0	1	0	1	-	1	0	0	0	1	-	0	0	0	0	0	-	3
% Buses	0%	0%	1.2%	0%	0.9%	-	0%	0%	1.4%	0%	1.0%	-	0.2%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.3%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	1	1	0	2	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.4%	4.8%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.2%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	2	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_1 US-23 SB & Whitmore Lake_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728491, Location: 42.304715, -83.746435, Site Code: TMC_1 Traffic Data Collection, LLC



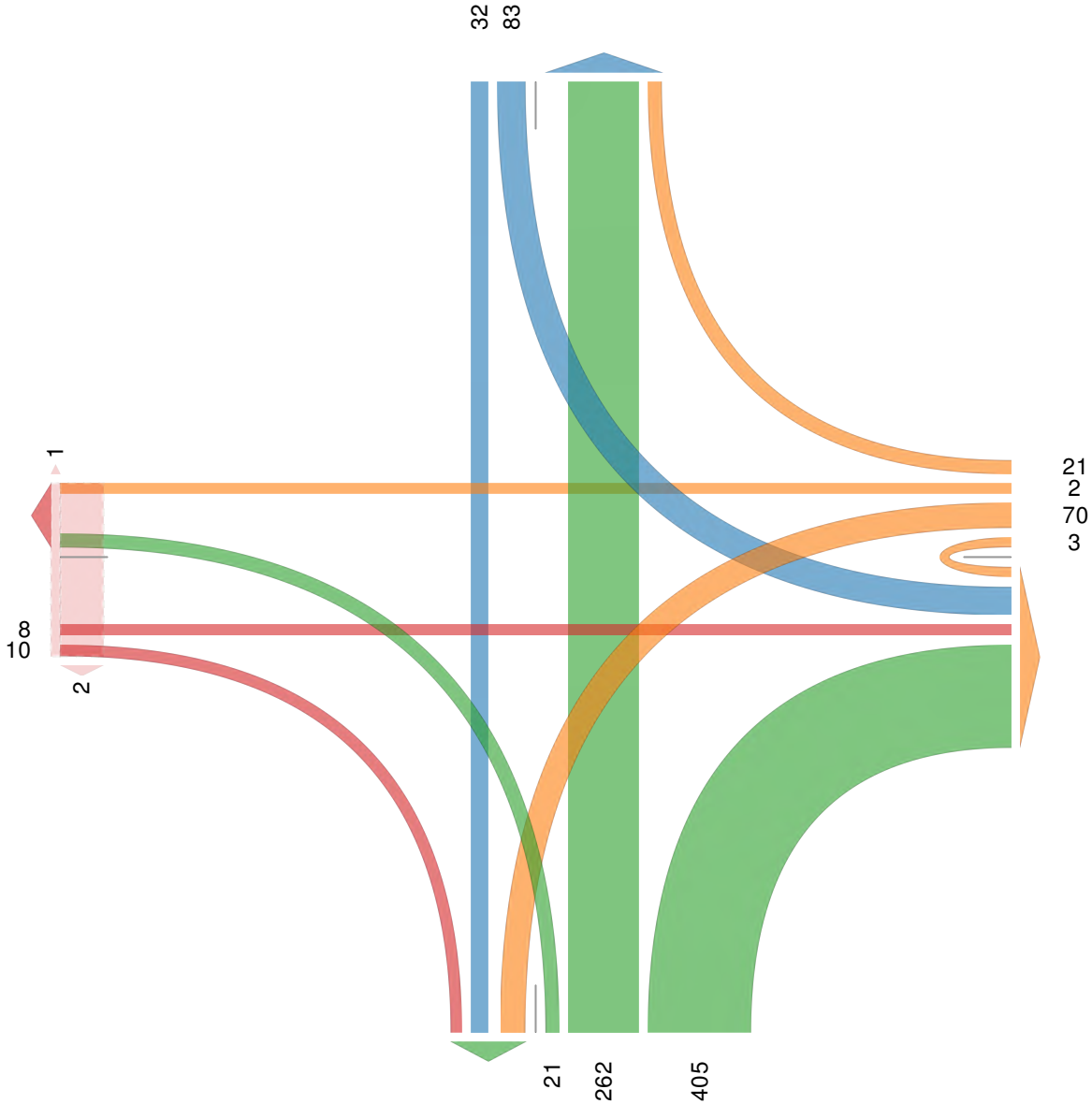
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Whitmore Lake Road

Total: 398
In: 115 Out: 283

[W] Barton Shore Drive

Total: 41
In: 18 Out: 23



Out: 499 In: 96
Total: 595
[E] US-23 SB Ramps

Out: 112 In: 688
Total: 800
[S] Barton Drive



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DV
 SE

Count Name: TMC_2 US-23
 NB & Barton Dr_11-19-19
 Site Code: TMC_2
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	US-23 NB Ramps Southbound				Barton Drive Westbound				Barton Drive Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
6:00 AM	4	24	0	28	4	6	0	10	40	2	0	42	80
6:15 AM	6	54	0	60	12	3	0	15	53	1	0	54	129
6:30 AM	10	63	0	73	15	13	0	28	73	4	0	77	178
6:45 AM	9	71	0	80	15	23	0	38	52	3	0	55	173
Hourly Total	29	212	0	241	46	45	0	91	218	10	0	228	560
7:00 AM	8	82	0	90	20	23	0	43	85	3	0	88	221
7:15 AM	18	89	0	107	20	40	0	60	89	2	0	91	258
7:30 AM	20	121	0	141	17	73	0	90	82	1	0	83	314
7:45 AM	25	129	0	154	13	51	0	64	81	6	0	87	305
Hourly Total	71	421	0	492	70	187	0	257	337	12	0	349	1098
8:00 AM	26	86	0	112	13	72	0	85	62	4	0	66	263
8:15 AM	15	94	0	109	20	54	0	74	60	10	0	70	253
8:30 AM	19	118	0	137	15	50	0	65	59	11	0	70	272
8:45 AM	13	93	0	106	19	62	0	81	46	5	0	51	238
Hourly Total	73	391	0	464	67	238	0	305	227	30	0	257	1026
9:00 AM	18	60	0	78	12	42	0	54	37	3	0	40	172
9:15 AM	13	54	0	67	7	25	0	32	25	3	0	28	127
9:30 AM	16	39	0	55	16	24	0	40	33	6	0	39	134
9:45 AM	13	40	0	53	13	33	0	46	25	5	0	30	129
Hourly Total	60	193	0	253	48	124	0	172	120	17	0	137	562
10:00 AM	7	42	0	49	17	27	0	44	22	7	1	29	122
10:15 AM	12	51	0	63	16	42	0	58	21	6	0	27	148
10:30 AM	13	25	0	38	16	36	0	52	20	4	0	24	114
10:45 AM	13	39	0	52	20	41	0	61	16	2	0	18	131
Hourly Total	45	157	0	202	69	146	0	215	79	19	1	98	515
11:00 AM	26	28	0	54	17	32	0	49	16	5	0	21	124
11:15 AM	20	32	0	52	19	45	0	64	15	8	0	23	139
11:30 AM	25	37	0	62	18	32	0	50	19	4	0	23	135
11:45 AM	31	34	0	65	15	35	0	50	20	5	0	25	140
Hourly Total	102	131	0	233	69	144	0	213	70	22	0	92	538
12:00 PM	19	36	0	55	14	34	0	48	18	6	0	24	127
12:15 PM	14	33	0	47	16	35	0	51	17	2	0	19	117
12:30 PM	13	36	0	49	19	39	0	58	21	6	0	27	134
12:45 PM	30	40	0	70	18	48	0	66	20	5	0	25	161
Hourly Total	76	145	0	221	67	156	0	223	76	19	0	95	539
1:00 PM	24	31	0	55	26	41	0	67	23	2	0	25	147
1:15 PM	21	33	0	54	13	28	0	41	15	5	0	20	115
1:30 PM	25	27	0	52	13	35	0	48	16	2	0	18	118
1:45 PM	15	27	0	42	25	39	0	64	11	10	0	21	127
Hourly Total	85	118	0	203	77	143	0	220	65	19	0	84	507
2:00 PM	13	24	0	37	21	36	0	57	13	6	0	19	113
2:15 PM	25	35	0	60	24	70	0	94	13	5	0	18	172
2:30 PM	26	39	0	65	30	92	0	122	16	6	0	22	209
2:45 PM	49	54	0	103	25	66	0	91	25	7	0	32	226
Hourly Total	113	152	0	265	100	264	0	364	67	24	0	91	720
3:00 PM	30	40	0	70	24	95	0	119	30	7	0	37	226
3:15 PM	32	51	0	83	36	122	0	158	13	6	0	19	260
3:30 PM	27	40	0	67	42	132	0	174	22	3	0	25	266
3:45 PM	26	43	0	69	36	113	0	149	27	4	0	31	249
Hourly Total	115	174	0	289	138	462	0	600	92	20	0	112	1001
4:00 PM	29	46	0	75	26	119	0	145	26	10	0	36	256
4:15 PM	37	37	0	74	38	131	0	169	23	5	0	28	271
4:30 PM	47	44	0	91	33	134	0	167	15	4	0	19	277
4:45 PM	30	42	0	72	30	147	0	177	27	4	0	31	280
Hourly Total	143	169	0	312	127	531	0	658	91	23	0	114	1084
5:00 PM	27	45	0	72	43	126	0	169	20	4	0	24	265
5:15 PM	32	52	0	84	26	133	0	159	32	1	0	33	276

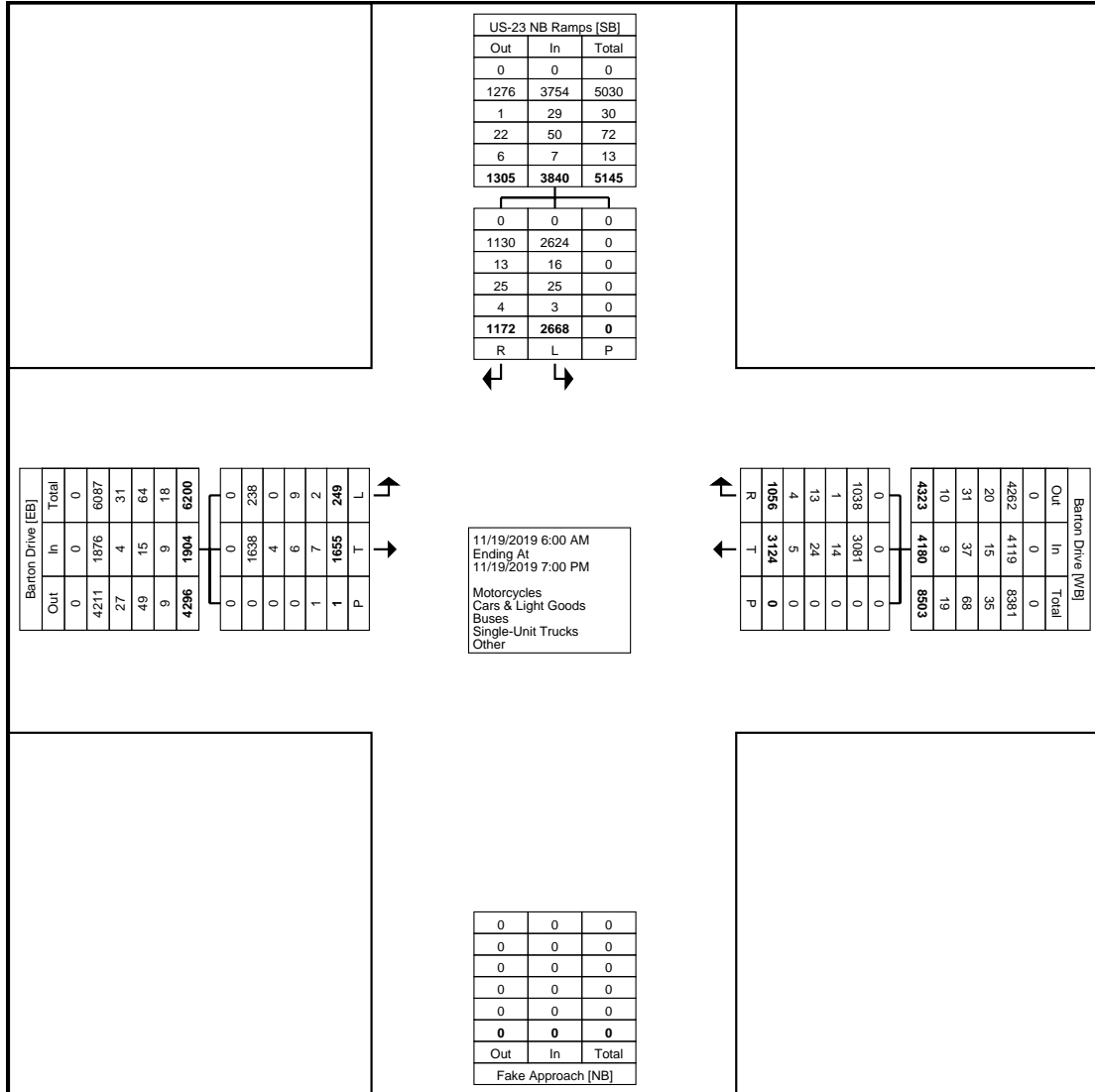
5:30 PM	48	65	0	113	23	112	0	135	25	3	0	28	276
5:45 PM	41	62	0	103	21	106	0	127	23	2	0	25	255
Hourly Total	148	224	0	372	113	477	0	590	100	10	0	110	1072
6:00 PM	32	47	0	79	22	73	0	95	32	7	0	39	213
6:15 PM	36	44	0	80	15	53	0	68	33	4	0	37	185
6:30 PM	20	49	0	69	12	54	0	66	22	6	0	28	163
6:45 PM	24	41	0	65	16	27	0	43	26	7	0	33	141
Hourly Total	112	181	0	293	65	207	0	272	113	24	0	137	702
Grand Total	1172	2668	0	3840	1056	3124	0	4180	1655	249	1	1904	9924
Approach %	30.5	69.5	-	-	25.3	74.7	-	-	86.9	13.1	-	-	-
Total %	11.8	26.9	-	38.7	10.6	31.5	-	42.1	16.7	2.5	-	19.2	-
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	1130	2624	-	3754	1038	3081	-	4119	1638	238	-	1876	9749
% Cars & Light Goods	96.4	98.4	-	97.8	98.3	98.6	-	98.5	99.0	95.6	-	98.5	98.2
Buses	13	16	-	29	1	14	-	15	4	0	-	4	48
% Buses	1.1	0.6	-	0.8	0.1	0.4	-	0.4	0.2	0.0	-	0.2	0.5
Single-Unit Trucks	25	25	-	50	13	24	-	37	6	9	-	15	102
% Single-Unit Trucks	2.1	0.9	-	1.3	1.2	0.8	-	0.9	0.4	3.6	-	0.8	1.0
Articulated Trucks	4	3	-	7	4	4	-	8	6	2	-	8	23
% Articulated Trucks	0.3	0.1	-	0.2	0.4	0.1	-	0.2	0.4	0.8	-	0.4	0.2
Bicycles on Road	0	0	-	0	0	1	-	1	1	0	-	1	2
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.1	0.0	-	0.1	0.0
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	0	-	-	-	0	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DV
 SE

Count Name: TMC_2 US-23
 NB & Barton Dr_11-19-19
 Site Code: TMC_2
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3



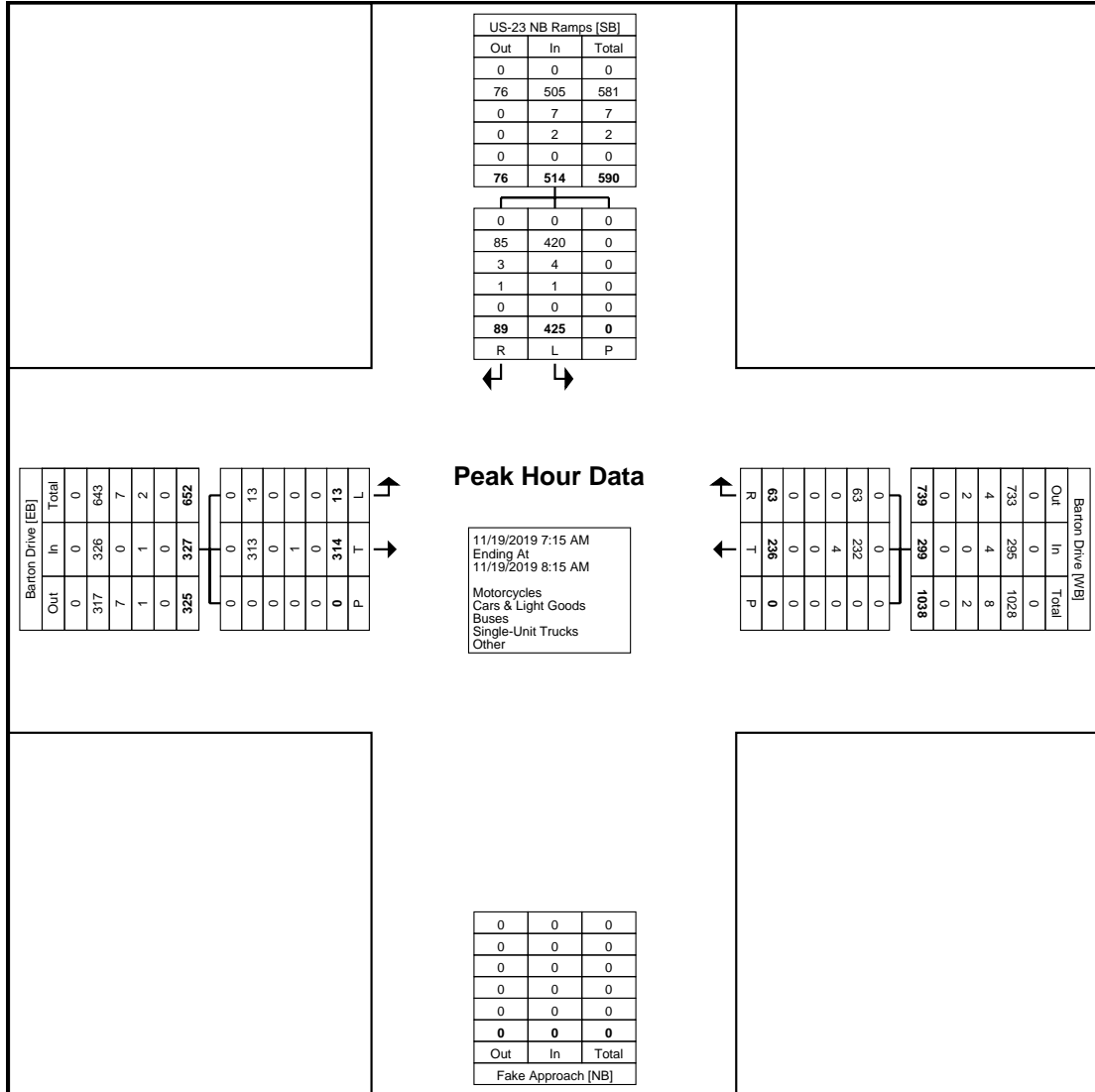
Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DV
 SE

Count Name: TMC_2 US-23
 NB & Barton Dr_11-19-19
 Site Code: TMC_2
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



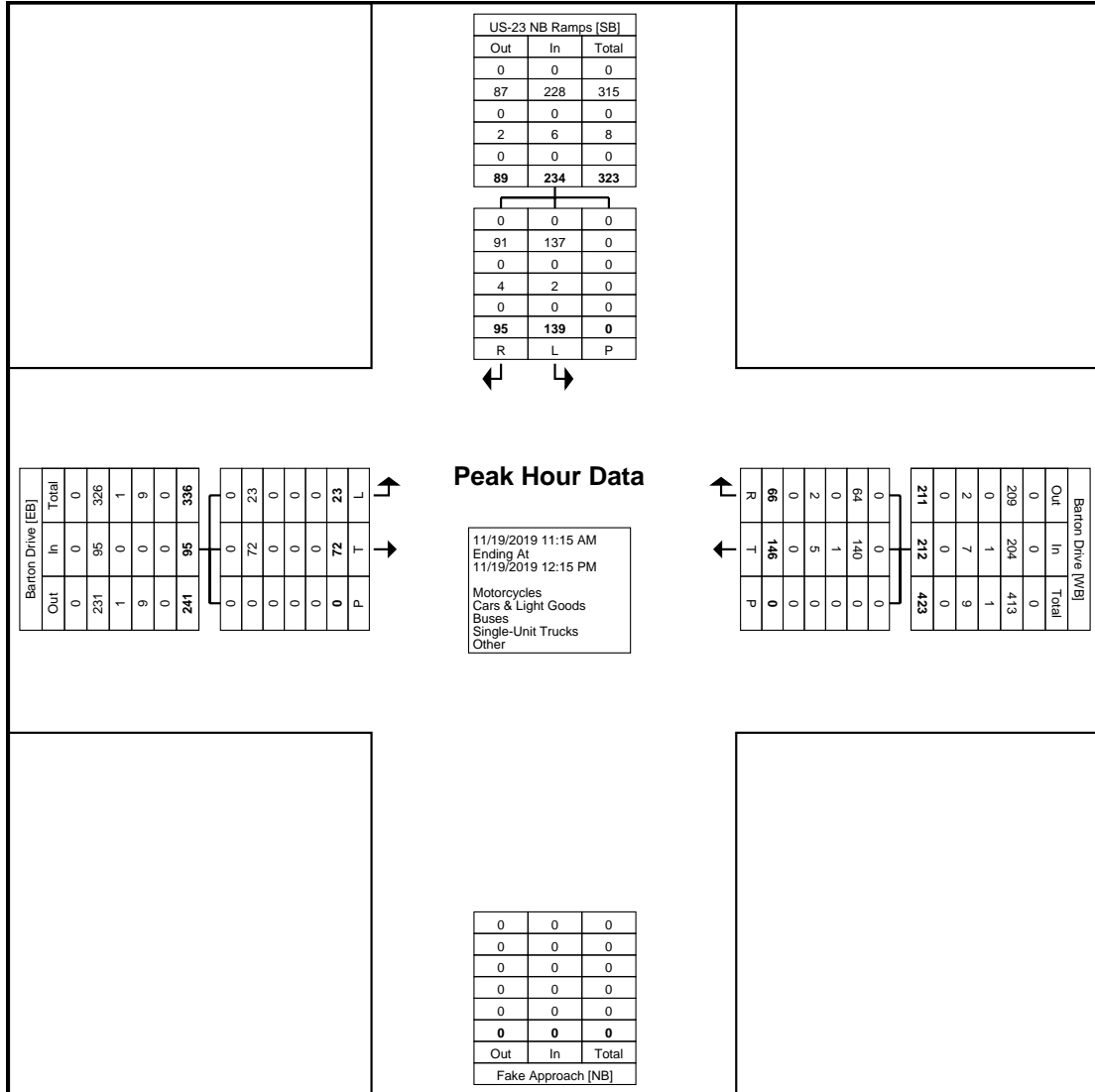
Turning Movement Peak Hour Data Plot (7:15 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DV
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_2 US-23
 NB & Barton Dr_11-19-19
 Site Code: TMC_2
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7



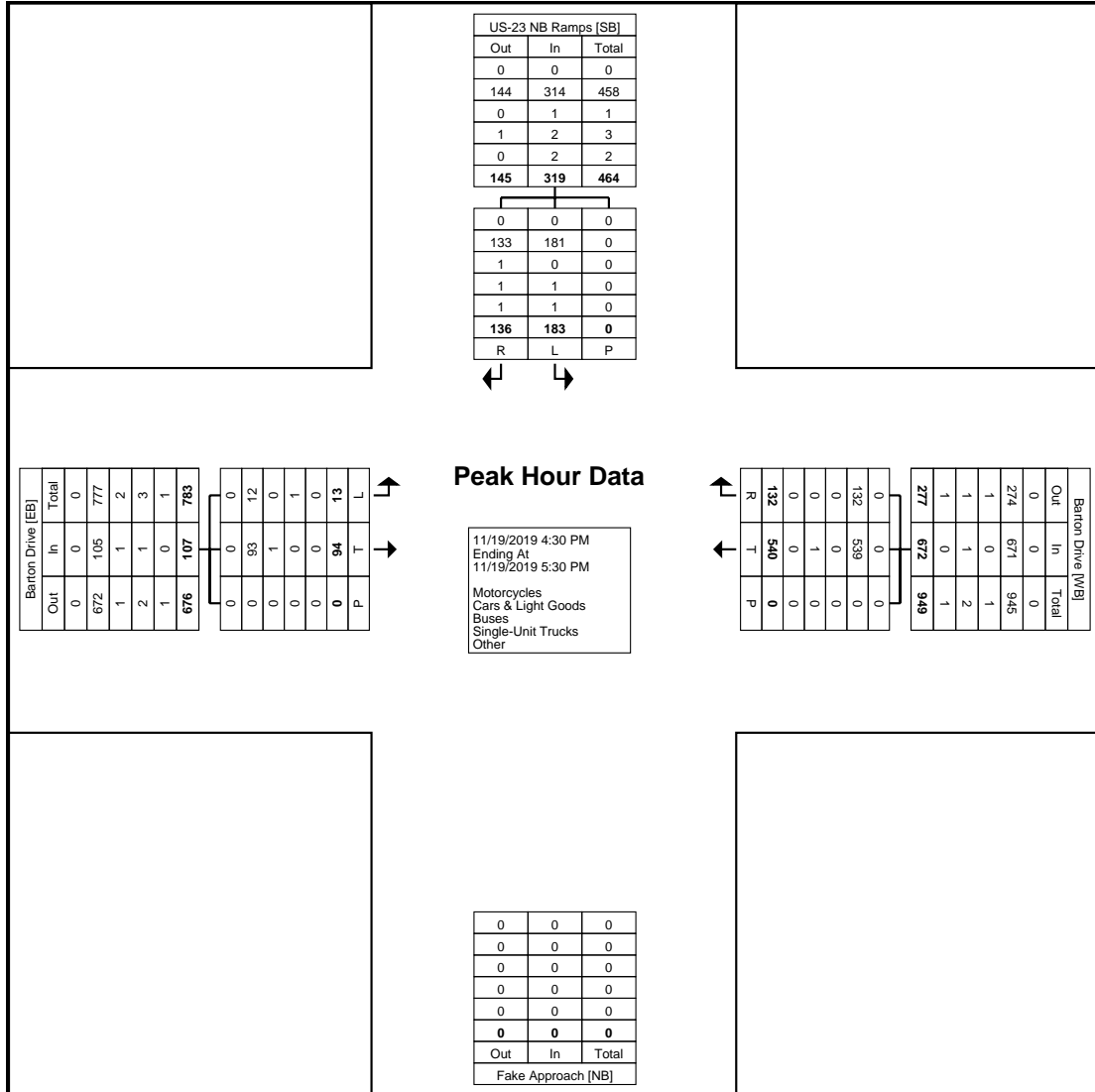
Turning Movement Peak Hour Data Plot (11:15 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DV
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_2 US-23
 NB & Barton Dr_11-19-19
 Site Code: TMC_2
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:30 PM)



Project: Lower Town Area
Mobility Study
Corridor: Barton Drive
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU5DV
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_2 US-23
NB & Barton Dr_11-19-19
Site Code: TMC_2
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized, all-way stop controlled "T" intersection. VCU camera was located within SE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_2 US-23 NB & Barton Dr_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728495, Location: 42.303447, -83.744381, Site Code: TMC_2 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	US-23 NB Ramps Southbound					Barton Drive Westbound					Barton Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-19 6:00AM	4	24	0	28	0	4	6	0	10	0	40	2	0	42	0	80
6:15AM	6	54	0	60	0	12	3	0	15	0	53	1	0	54	0	129
6:30AM	10	63	0	73	0	15	13	0	28	0	73	4	0	77	0	178
6:45AM	9	71	0	80	0	15	23	0	38	0	52	3	0	55	0	173
Hourly Total	29	212	0	241	0	46	45	0	91	0	218	10	0	228	0	560
7:00AM	8	82	0	90	0	20	23	0	43	0	85	3	0	88	0	221
7:15AM	18	89	0	107	0	20	40	0	60	0	89	2	0	91	0	258
7:30AM	20	120	1	141	0	17	73	0	90	0	82	1	0	83	0	314
7:45AM	25	129	0	154	0	13	51	0	64	0	81	6	0	87	0	305
Hourly Total	71	420	1	492	0	70	187	0	257	0	337	12	0	349	0	1098
8:00AM	26	86	0	112	0	13	72	0	85	0	62	4	0	66	0	263
8:15AM	15	94	0	109	0	20	54	0	74	0	60	10	0	70	0	253
8:30AM	19	118	0	137	0	15	50	0	65	0	59	11	0	70	0	272
8:45AM	13	93	0	106	0	19	62	0	81	0	46	5	0	51	0	238
Hourly Total	73	391	0	464	0	67	238	0	305	0	227	30	0	257	0	1026
9:00AM	18	60	0	78	0	12	42	0	54	0	37	3	0	40	0	172
9:15AM	13	54	0	67	0	7	25	0	32	0	25	3	0	28	0	127
9:30AM	16	39	0	55	0	16	24	0	40	0	33	6	0	39	0	134
9:45AM	13	40	0	53	0	13	33	0	46	0	25	5	0	30	0	129
Hourly Total	60	193	0	253	0	48	124	0	172	0	120	17	0	137	0	562
10:00AM	7	42	0	49	0	17	27	0	44	0	22	7	0	29	1	122
10:15AM	12	51	0	63	0	16	42	0	58	0	21	6	0	27	0	148
10:30AM	13	25	0	38	0	16	36	0	52	0	20	4	0	24	0	114
10:45AM	13	39	0	52	0	20	41	0	61	0	16	2	0	18	0	131
Hourly Total	45	157	0	202	0	69	146	0	215	0	79	19	0	98	1	515
11:00AM	26	28	0	54	0	17	32	0	49	0	16	5	0	21	0	124
11:15AM	20	32	0	52	0	19	45	0	64	0	15	8	0	23	0	139
11:30AM	25	37	0	62	0	18	32	0	50	0	19	4	0	23	0	135
11:45AM	31	34	0	65	0	15	35	0	50	0	20	5	0	25	0	140
Hourly Total	102	131	0	233	0	69	144	0	213	0	70	22	0	92	0	538
12:00PM	19	36	0	55	0	14	34	0	48	0	18	6	0	24	0	127
12:15PM	14	33	0	47	0	16	35	0	51	0	17	2	0	19	0	117
12:30PM	13	36	0	49	0	19	39	0	58	0	21	6	0	27	0	134
12:45PM	30	40	0	70	0	18	48	0	66	0	20	5	0	25	0	161
Hourly Total	76	145	0	221	0	67	156	0	223	0	76	19	0	95	0	539
1:00PM	24	31	0	55	0	26	41	0	67	0	23	2	0	25	0	147
1:15PM	21	33	0	54	0	13	28	0	41	0	15	5	0	20	0	115
1:30PM	25	27	0	52	0	13	35	0	48	0	16	2	0	18	0	118
1:45PM	15	27	0	42	0	25	39	0	64	0	11	10	0	21	0	127
Hourly Total	85	118	0	203	0	77	143	0	220	0	65	19	0	84	0	507
2:00PM	13	24	0	37	0	21	36	0	57	0	13	6	0	19	0	113
2:15PM	25	35	0	60	0	24	70	0	94	0	13	5	0	18	0	172
2:30PM	26	39	0	65	0	30	92	0	122	0	16	6	0	22	0	209
2:45PM	49	54	0	103	0	25	66	0	91	0	25	7	0	32	0	226
Hourly Total	113	152	0	265	0	100	264	0	364	0	67	24	0	91	0	720
3:00PM	30	40	0	70	0	24	95	0	119	0	30	7	0	37	0	226
3:15PM	32	51	0	83	0	36	122	0	158	0	13	6	0	19	0	260
3:30PM	27	40	0	67	0	42	132	0	174	0	22	3	0	25	0	266
3:45PM	26	43	0	69	0	36	113	0	149	0	27	4	0	31	0	249
Hourly Total	115	174	0	289	0	138	462	0	600	0	92	20	0	112	0	1001
4:00PM	29	46	0	75	0	26	119	0	145	0	26	10	0	36	0	256
4:15PM	37	37	0	74	0	38	131	0	169	0	23	5	0	28	0	271

Leg Direction	US-23 NB Ramps Southbound					Barton Drive Westbound					Barton Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
4:30PM	47	44	0	91	0	33	134	0	167	0	15	4	0	19	0	277
4:45PM	30	42	0	72	0	30	147	0	177	0	27	4	0	31	0	280
Hourly Total	143	169	0	312	0	127	531	0	658	0	91	23	0	114	0	1084
5:00PM	27	45	0	72	0	43	126	0	169	0	20	4	0	24	0	265
5:15PM	32	52	0	84	0	26	133	0	159	0	32	1	0	33	0	276
5:30PM	48	65	0	113	0	23	112	0	135	0	25	3	0	28	0	276
5:45PM	41	62	0	103	0	21	106	0	127	0	23	2	0	25	0	255
Hourly Total	148	224	0	372	0	113	477	0	590	0	100	10	0	110	0	1072
6:00PM	32	47	0	79	0	22	73	0	95	0	32	7	0	39	0	213
6:15PM	36	44	0	80	0	15	53	0	68	0	33	4	0	37	0	185
6:30PM	20	49	0	69	0	12	54	0	66	0	22	6	0	28	0	163
6:45PM	24	41	0	65	0	16	27	0	43	0	26	7	0	33	0	141
Hourly Total	112	181	0	293	0	65	207	0	272	0	113	24	0	137	0	702
Total	1172	2667	1	3840	0	1056	3124	0	4180	0	1655	249	0	1904	1	9924
% Approach	30.5%	69.5%	0%	-	-	25.3%	74.7%	0%	-	-	86.9%	13.1%	0%	-	-	-
% Total	11.8%	26.9%	0%	38.7%	-	10.6%	31.5%	0%	42.1%	-	16.7%	2.5%	0%	19.2%	-	-
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	1130	2623	1	3754	-	1038	3081	0	4119	-	1638	238	0	1876	-	9749
% Lights	96.4%	98.4%	100%	97.8%	-	98.3%	98.6%	0%	98.5%	-	99.0%	95.6%	0%	98.5%	-	98.2%
Single-Unit Trucks	25	25	0	50	-	13	24	0	37	-	6	9	0	15	-	102
% Single-Unit Trucks	2.1%	0.9%	0%	1.3%	-	1.2%	0.8%	0%	0.9%	-	0.4%	3.6%	0%	0.8%	-	1.0%
Articulated Trucks	4	3	0	7	-	4	4	0	8	-	6	2	0	8	-	23
% Articulated Trucks	0.3%	0.1%	0%	0.2%	-	0.4%	0.1%	0%	0.2%	-	0.4%	0.8%	0%	0.4%	-	0.2%
Buses	13	16	0	29	-	1	14	0	15	-	4	0	0	4	-	48
% Buses	1.1%	0.6%	0%	0.8%	-	0.1%	0.4%	0%	0.4%	-	0.2%	0%	0%	0.2%	-	0.5%
Bicycles on Road	0	0	0	0	-	0	1	0	1	-	1	0	0	1	-	2
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%	0%	0%	0.1%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	1	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_2 US-23 NB & Barton Dr_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728495, Location: 42.303447, -83.744381, Site Code: TMC_2 Traffic Data Collection, LLC



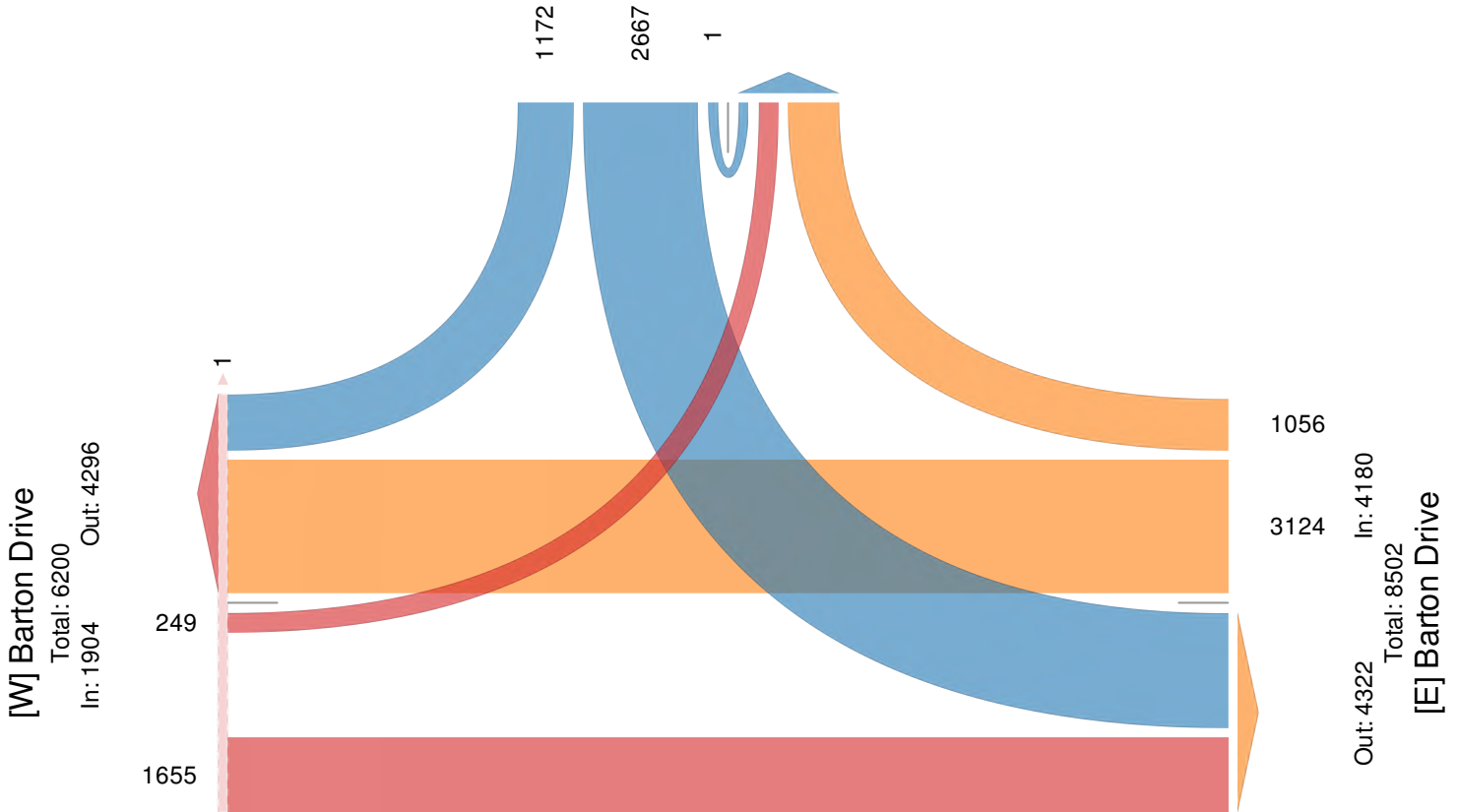
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] US-23 NB Ramps

Total: 5146

In: 3840

Out: 1306



TMC_2 US-23 NB & Barton Dr_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:15 AM - 8:15 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728495, Location: 42.303447, -83.744381, Site Code: TMC_2 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	US-23 NB Ramps Southbound					Barton Drive Westbound					Barton Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-19 7:15AM	18	89	0	107	0	20	40	0	60	0	89	2	0	91	0	258
7:30AM	20	120	1	141	0	17	73	0	90	0	82	1	0	83	0	314
7:45AM	25	129	0	154	0	13	51	0	64	0	81	6	0	87	0	305
8:00AM	26	86	0	112	0	13	72	0	85	0	62	4	0	66	0	263
Total	89	424	1	514	0	63	236	0	299	0	314	13	0	327	0	1140
% Approach	17.3%	82.5%	0.2%	-	-	21.1%	78.9%	0%	-	-	96.0%	4.0%	0%	-	-	-
% Total	7.8%	37.2%	0.1%	45.1%	-	5.5%	20.7%	0%	26.2%	-	27.5%	1.1%	0%	28.7%	-	-
PHF	0.856	0.822	0.250	0.834	-	0.788	0.808	-	0.831	-	0.882	0.542	-	0.898	-	0.908
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	85	419	1	505	-	63	232	0	295	-	313	13	0	326	-	1126
% Lights	95.5%	98.8%	100%	98.2%	-	100%	98.3%	0%	98.7%	-	99.7%	100%	0%	99.7%	-	98.8%
Single-Unit Trucks	1	1	0	2	-	0	0	0	0	-	1	0	0	1	-	3
% Single-Unit Trucks	1.1%	0.2%	0%	0.4%	-	0%	0%	0%	0%	-	0.3%	0%	0%	0.3%	-	0.3%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	3	4	0	7	-	0	4	0	4	-	0	0	0	0	-	11
% Buses	3.4%	0.9%	0%	1.4%	-	0%	1.7%	0%	1.3%	-	0%	0%	0%	0%	-	1.0%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_2 US-23 NB & Barton Dr_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:15 AM - 8:15 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728495, Location: 42.303447, -83.744381, Site Code: TMC_2 Traffic Data Collection, LLC



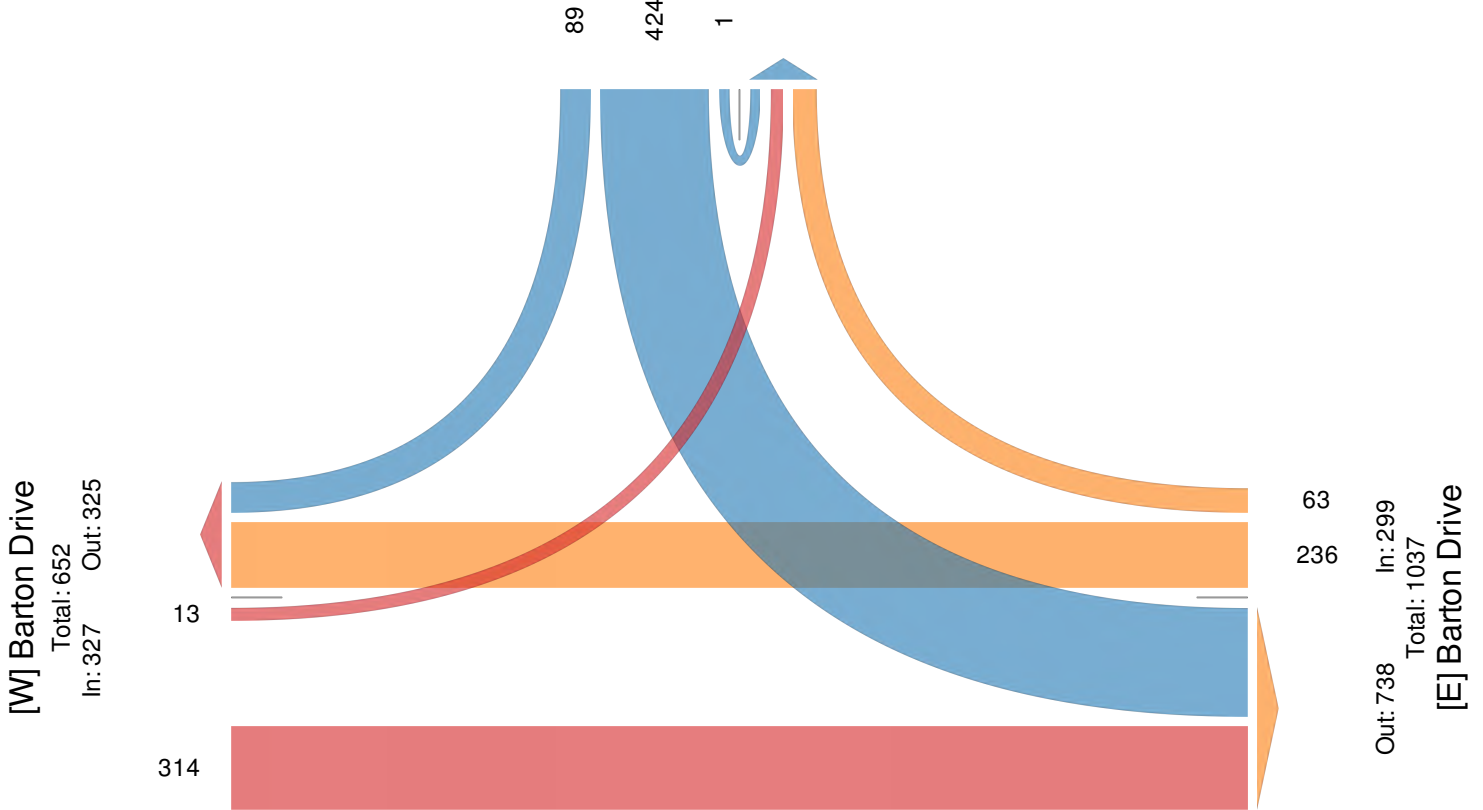
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] US-23 NB Ramps

Total: 591

In: 514

Out: 77



TMC_2 US-23 NB & Barton Dr_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728495, Location: 42.303447, -83.744381, Site Code: TMC_2 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	US-23 NB Ramps Southbound					Barton Drive Westbound					Barton Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-19 11:15AM	20	32	0	52	0	19	45	0	64	0	15	8	0	23	0	139
11:30AM	25	37	0	62	0	18	32	0	50	0	19	4	0	23	0	135
11:45AM	31	34	0	65	0	15	35	0	50	0	20	5	0	25	0	140
12:00PM	19	36	0	55	0	14	34	0	48	0	18	6	0	24	0	127
Total	95	139	0	234	0	66	146	0	212	0	72	23	0	95	0	541
% Approach	40.6%	59.4%	0%	-	-	31.1%	68.9%	0%	-	-	75.8%	24.2%	0%	-	-	-
% Total	17.6%	25.7%	0%	43.3%	-	12.2%	27.0%	0%	39.2%	-	13.3%	4.3%	0%	17.6%	-	-
PHF	0.766	0.939	-	0.900	-	0.868	0.811	-	0.828	-	0.900	0.719	-	0.950	-	0.966
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	91	137	0	228	-	64	140	0	204	-	72	23	0	95	-	527
% Lights	95.8%	98.6%	0%	97.4%	-	97.0%	95.9%	0%	96.2%	-	100%	100%	0%	100%	-	97.4%
Single-Unit Trucks	4	2	0	6	-	2	5	0	7	-	0	0	0	0	-	13
% Single-Unit Trucks	4.2%	1.4%	0%	2.6%	-	3.0%	3.4%	0%	3.3%	-	0%	0%	0%	0%	-	2.4%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	1
% Buses	0%	0%	0%	0%	-	0%	0.7%	0%	0.5%	-	0%	0%	0%	0%	-	0.2%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_2 US-23 NB & Barton Dr_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728495, Location: 42.303447, -83.744381, Site Code: TMC_2 Traffic Data Collection, LLC



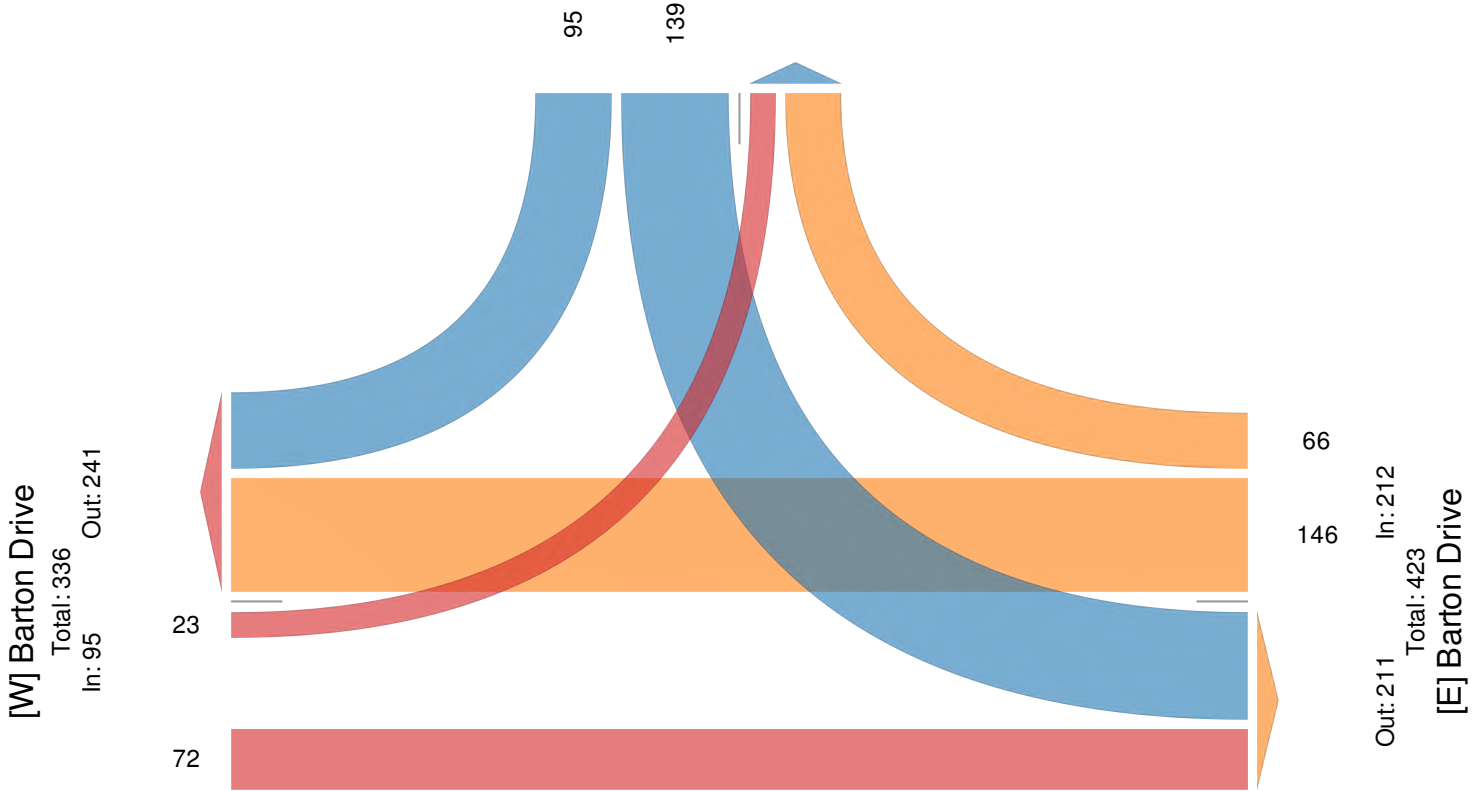
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] US-23 NB Ramps

Total: 323

In: 234

Out: 89



TMC_2 US-23 NB & Barton Dr_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728495, Location: 42.303447, -83.744381, Site Code: TMC_2 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	US-23 NB Ramps Southbound					Barton Drive Westbound					Barton Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-19 4:30PM	47	44	0	91	0	33	134	0	167	0	15	4	0	19	0	277
4:45PM	30	42	0	72	0	30	147	0	177	0	27	4	0	31	0	280
5:00PM	27	45	0	72	0	43	126	0	169	0	20	4	0	24	0	265
5:15PM	32	52	0	84	0	26	133	0	159	0	32	1	0	33	0	276
Total	136	183	0	319	0	132	540	0	672	0	94	13	0	107	0	1098
% Approach	42.6%	57.4%	0%	-	-	19.6%	80.4%	0%	-	-	87.9%	12.1%	0%	-	-	-
% Total	12.4%	16.7%	0%	29.1%	-	12.0%	49.2%	0%	61.2%	-	8.6%	1.2%	0%	9.7%	-	-
PHF	0.723	0.880	-	0.876	-	0.767	0.918	-	0.949	-	0.734	0.813	-	0.811	-	0.980
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	133	181	0	314	-	132	539	0	671	-	93	12	0	105	-	1090
% Lights	97.8%	98.9%	0%	98.4%	-	100%	99.8%	0%	99.9%	-	98.9%	92.3%	0%	98.1%	-	99.3%
Single-Unit Trucks	1	1	0	2	-	0	1	0	1	-	0	1	0	1	-	4
% Single-Unit Trucks	0.7%	0.5%	0%	0.6%	-	0%	0.2%	0%	0.1%	-	0%	7.7%	0%	0.9%	-	0.4%
Articulated Trucks	1	1	0	2	-	0	0	0	0	-	0	0	0	0	-	2
% Articulated Trucks	0.7%	0.5%	0%	0.6%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.2%
Buses	1	0	0	1	-	0	0	0	0	-	1	0	0	1	-	2
% Buses	0.7%	0%	0%	0.3%	-	0%	0%	0%	0%	-	1.1%	0%	0%	0.9%	-	0.2%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_2 US-23 NB & Barton Dr_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728495, Location: 42.303447, -83.744381, Site Code: TMC_2 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

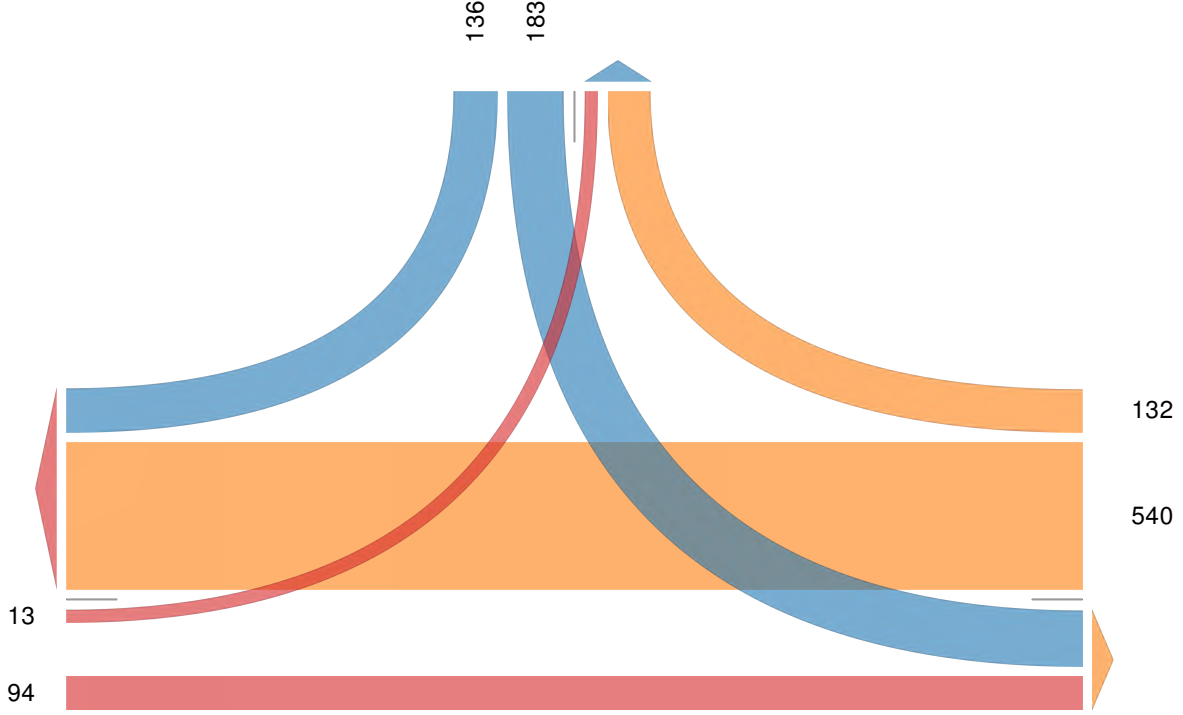
[N] US-23 NB Ramps

Total: 464

In: 319 Out: 145

136 183

[W] Barton Drive
Total: 783
In: 107 Out: 676



[E] Barton Drive
Total: 949
In: 672 Out: 277



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4SY
 SW

Count Name: TMC_3
 Barton & Chandler_11-19-19
 Site Code: TMC_3
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Barton Drive Westbound				Chandler Road Northbound				Barton Drive Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
6:00 AM	9	0	0	9	0	1	1	1	0	64	0	64	74
6:15 AM	17	0	0	17	0	0	0	0	3	106	0	109	126
6:30 AM	23	0	0	23	0	0	0	0	1	130	0	131	154
6:45 AM	36	0	0	36	0	0	0	0	4	121	0	125	161
Hourly Total	85	0	0	85	0	1	1	1	8	421	0	429	515
7:00 AM	29	0	0	29	0	1	0	1	4	152	0	156	186
7:15 AM	56	0	0	56	1	2	1	3	6	171	0	177	236
7:30 AM	68	0	0	68	0	2	0	2	23	162	0	185	255
7:45 AM	45	0	0	45	2	1	1	3	25	156	0	181	229
Hourly Total	198	0	0	198	3	6	2	9	58	641	0	699	906
8:00 AM	61	0	0	61	1	1	1	2	27	134	0	161	224
8:15 AM	59	0	0	59	0	2	1	2	20	131	0	151	212
8:30 AM	64	0	0	64	0	0	1	0	2	160	0	162	226
8:45 AM	58	0	0	58	0	1	1	1	9	136	0	145	204
Hourly Total	242	0	0	242	1	4	4	5	58	561	0	619	866
9:00 AM	44	0	0	44	0	3	3	3	1	99	0	100	147
9:15 AM	27	0	0	27	1	0	0	1	0	65	0	65	93
9:30 AM	39	1	1	40	0	0	0	0	2	76	0	78	118
9:45 AM	44	0	0	44	0	3	0	3	1	62	0	63	110
Hourly Total	154	1	1	155	1	6	3	7	4	302	0	306	468
10:00 AM	36	0	0	36	0	3	0	3	1	57	0	58	97
10:15 AM	55	0	0	55	2	0	0	2	1	65	0	66	123
10:30 AM	46	2	0	48	0	2	0	2	2	39	0	41	91
10:45 AM	56	0	0	56	0	1	0	1	4	52	0	56	113
Hourly Total	193	2	0	195	2	6	0	8	8	213	0	221	424
11:00 AM	47	0	0	47	0	1	0	1	2	40	0	42	90
11:15 AM	63	0	0	63	0	1	0	1	0	49	0	49	113
11:30 AM	47	0	0	47	0	0	1	0	1	45	0	46	93
11:45 AM	47	2	0	49	1	0	1	1	0	54	0	54	104
Hourly Total	204	2	0	206	1	2	2	3	3	188	0	191	400
12:00 PM	40	0	0	40	1	3	0	4	3	49	0	52	96
12:15 PM	49	0	0	49	0	1	1	1	0	46	0	46	96
12:30 PM	57	2	0	59	0	0	0	0	3	54	0	57	116
12:45 PM	64	0	0	64	1	0	1	1	1	55	0	56	121
Hourly Total	210	2	0	212	2	4	2	6	7	204	0	211	429
1:00 PM	70	0	0	70	0	0	0	0	3	54	0	57	127
1:15 PM	38	1	0	39	0	1	0	1	0	48	0	48	88
1:30 PM	46	1	0	47	2	0	0	2	2	37	0	39	88
1:45 PM	68	0	0	68	0	1	0	1	1	37	0	38	107
Hourly Total	222	2	0	224	2	2	0	4	6	176	0	182	410
2:00 PM	59	0	0	59	1	0	0	1	1	37	0	38	98
2:15 PM	85	0	0	85	0	0	0	0	1	41	0	42	127
2:30 PM	122	0	0	122	2	3	0	5	0	57	0	57	184
2:45 PM	88	1	0	89	0	3	0	3	2	67	0	69	161
Hourly Total	354	1	0	355	3	6	0	9	4	202	0	206	570
3:00 PM	120	1	0	121	0	3	0	3	4	58	0	62	186
3:15 PM	148	1	0	149	1	3	0	4	3	59	0	62	215
3:30 PM	188	1	0	189	2	11	0	13	4	47	0	51	253
3:45 PM	115	1	0	116	2	0	0	2	4	61	0	65	183
Hourly Total	571	4	0	575	5	17	0	22	15	225	0	240	837
4:00 PM	161	3	0	164	1	2	0	3	2	60	0	62	229
4:15 PM	153	0	0	153	0	0	1	0	3	52	0	55	208
4:30 PM	190	3	0	193	1	0	0	1	2	50	0	52	246
4:45 PM	184	1	0	185	0	1	1	1	1	62	0	63	249
Hourly Total	688	7	0	695	2	3	2	5	8	224	0	232	932
5:00 PM	144	0	0	144	1	6	4	7	3	60	0	63	214
5:15 PM	159	1	0	160	0	1	0	1	2	70	0	72	233

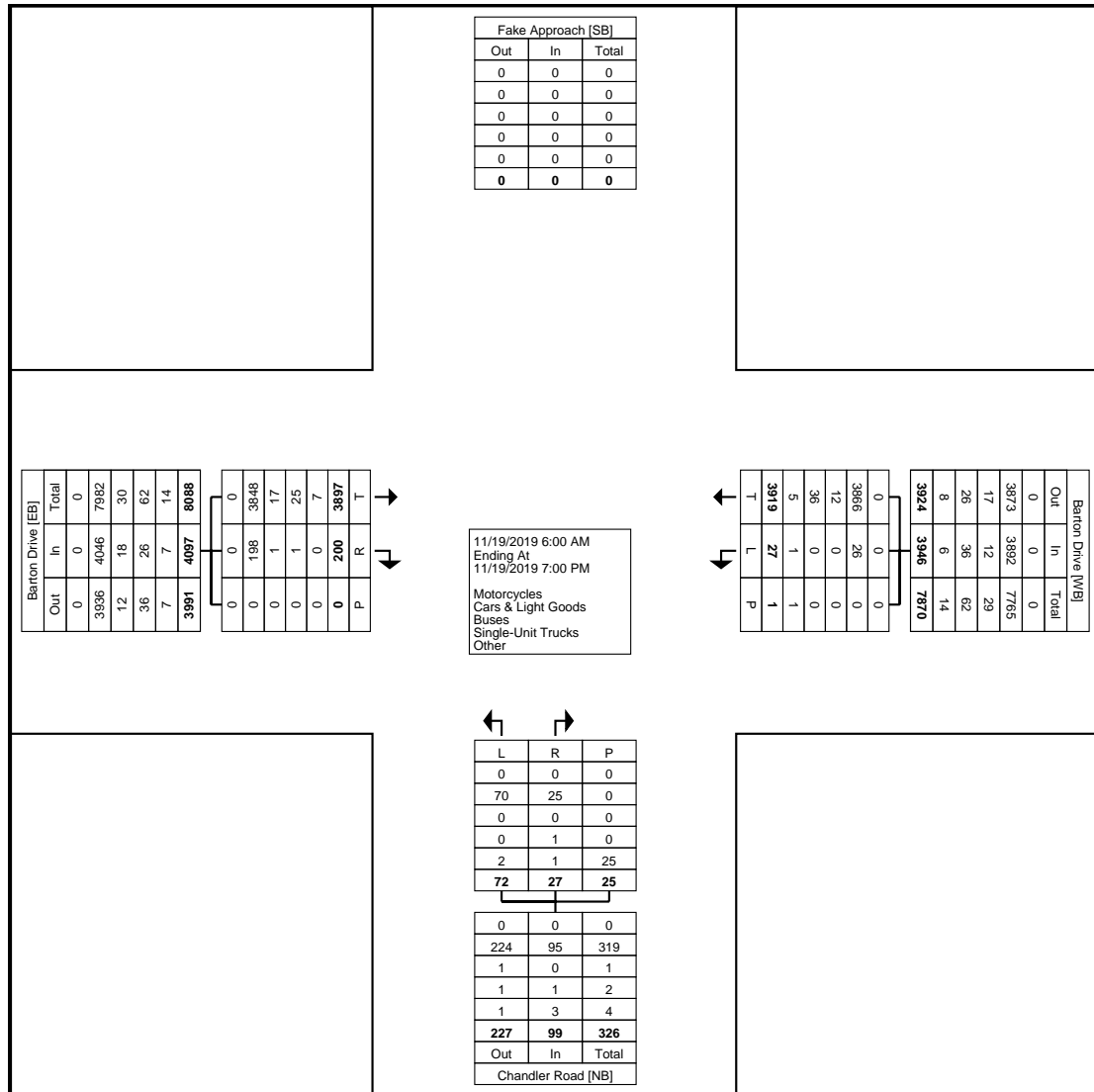
5:30 PM	123	1	0	124	0	2	1	2	4	75	0	79	205
5:45 PM	103	2	0	105	0	0	0	0	4	74	0	78	183
Hourly Total	529	4	0	533	1	9	5	10	13	279	0	292	835
6:00 PM	96	1	0	97	1	2	0	3	1	67	0	68	168
6:15 PM	66	0	0	66	0	2	0	2	2	68	0	70	138
6:30 PM	60	1	0	61	1	1	4	2	2	64	0	66	129
6:45 PM	47	0	0	47	2	1	0	3	3	62	0	65	115
Hourly Total	269	2	0	271	4	6	4	10	8	261	0	269	550
Grand Total	3919	27	1	3946	27	72	25	99	200	3897	0	4097	8142
Approach %	99.3	0.7	-	-	27.3	72.7	-	-	4.9	95.1	-	-	-
Total %	48.1	0.3	-	48.5	0.3	0.9	-	1.2	2.5	47.9	-	50.3	-
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	3866	26	-	3892	25	70	-	95	198	3848	-	4046	8033
% Cars & Light Goods	98.6	96.3	-	98.6	92.6	97.2	-	96.0	99.0	98.7	-	98.8	98.7
Buses	12	0	-	12	0	0	-	0	1	17	-	18	30
% Buses	0.3	0.0	-	0.3	0.0	0.0	-	0.0	0.5	0.4	-	0.4	0.4
Single-Unit Trucks	36	0	-	36	1	0	-	1	1	25	-	26	63
% Single-Unit Trucks	0.9	0.0	-	0.9	3.7	0.0	-	1.0	0.5	0.6	-	0.6	0.8
Articulated Trucks	4	0	-	4	0	0	-	0	0	4	-	4	8
% Articulated Trucks	0.1	0.0	-	0.1	0.0	0.0	-	0.0	0.0	0.1	-	0.1	0.1
Bicycles on Road	1	1	-	2	1	2	-	3	0	3	-	3	8
% Bicycles on Road	0.0	3.7	-	0.1	3.7	2.8	-	3.0	0.0	0.1	-	0.1	0.1
Bicycles on Crosswalk	-	-	0	-	-	-	3	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	12.0	-	-	-	-	-	-
Pedestrians	-	-	1	-	-	-	22	-	-	-	0	-	-
% Pedestrians	-	-	100.0	-	-	-	88.0	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4SY
 SW

Count Name: TMC_3
 Barton & Chandler_11-19-19
 Site Code: TMC_3
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4SY
 SW

Count Name: TMC_3
 Barton & Chandler_11-19-19
 Site Code: TMC_3
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:15 AM)

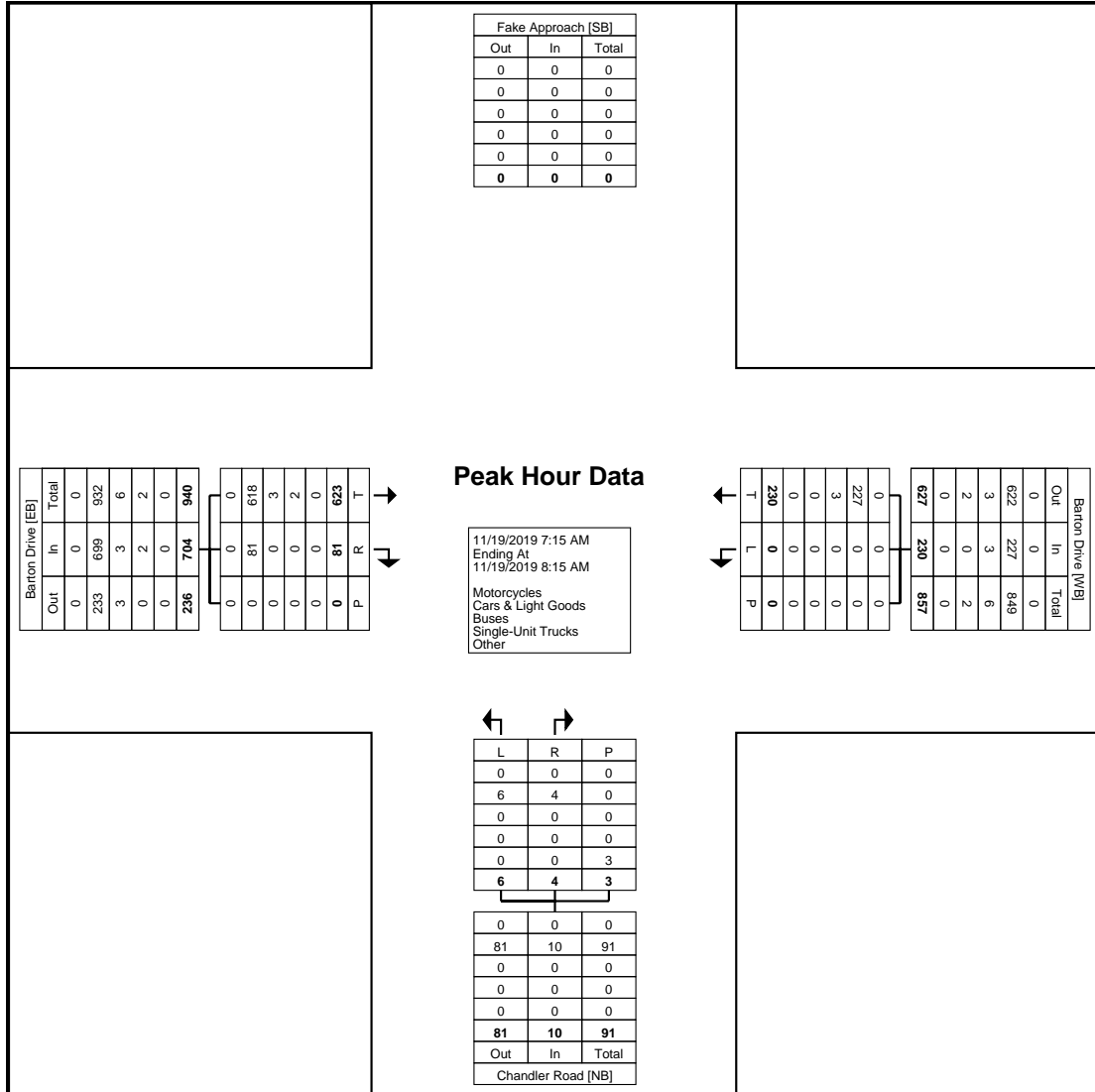
Start Time	Barton Drive Westbound				Chandler Road Northbound				Barton Drive Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
7:15 AM	56	0	0	56	1	2	1	3	6	171	0	177	236
7:30 AM	68	0	0	68	0	2	0	2	23	162	0	185	255
7:45 AM	45	0	0	45	2	1	1	3	25	156	0	181	229
8:00 AM	61	0	0	61	1	1	1	2	27	134	0	161	224
Total	230	0	0	230	4	6	3	10	81	623	0	704	944
Approach %	100.0	0.0	-	-	40.0	60.0	-	-	11.5	88.5	-	-	-
Total %	24.4	0.0	-	24.4	0.4	0.6	-	1.1	8.6	66.0	-	74.6	-
PHF	0.846	0.000	-	0.846	0.500	0.750	-	0.833	0.750	0.911	-	0.951	0.925
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	227	0	-	227	4	6	-	10	81	618	-	699	936
% Cars & Light Goods	98.7	-	-	98.7	100.0	100.0	-	100.0	100.0	99.2	-	99.3	99.2
Buses	3	0	-	3	0	0	-	0	0	3	-	3	6
% Buses	1.3	-	-	1.3	0.0	0.0	-	0.0	0.0	0.5	-	0.4	0.6
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	2	-	2	2
% Single-Unit Trucks	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.3	-	0.3	0.2
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Crosswalk	-	-	0	-	-	-	1	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	33.3	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	2	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	66.7	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4SY
 SW

Count Name: TMC_3
 Barton & Chandler_11-19-19
 Site Code: TMC_3
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4SY
 SW

Count Name: TMC_3
 Barton & Chandler_11-19-19
 Site Code: TMC_3
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (12:00 PM)

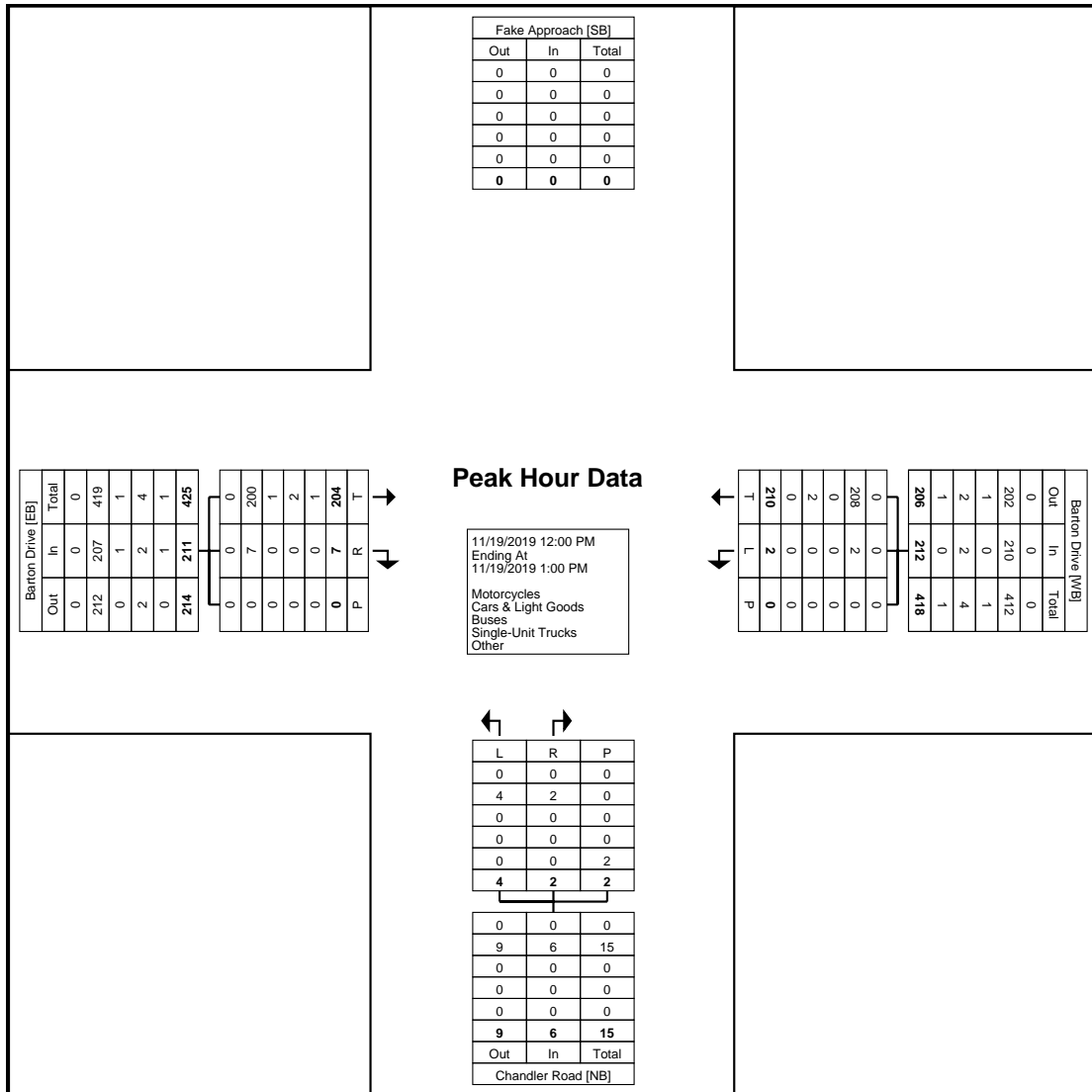
Start Time	Barton Drive Westbound				Chandler Road Northbound				Barton Drive Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
12:00 PM	40	0	0	40	1	3	0	4	3	49	0	52	96
12:15 PM	49	0	0	49	0	1	1	1	0	46	0	46	96
12:30 PM	57	2	0	59	0	0	0	0	3	54	0	57	116
12:45 PM	64	0	0	64	1	0	1	1	1	55	0	56	121
Total	210	2	0	212	2	4	2	6	7	204	0	211	429
Approach %	99.1	0.9	-	-	33.3	66.7	-	-	3.3	96.7	-	-	-
Total %	49.0	0.5	-	49.4	0.5	0.9	-	1.4	1.6	47.6	-	49.2	-
PHF	0.820	0.250	-	0.828	0.500	0.333	-	0.375	0.583	0.927	-	0.925	0.886
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	208	2	-	210	2	4	-	6	7	200	-	207	423
% Cars & Light Goods	99.0	100.0	-	99.1	100.0	100.0	-	100.0	100.0	98.0	-	98.1	98.6
Buses	0	0	-	0	0	0	-	0	0	1	-	1	1
% Buses	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.5	-	0.5	0.2
Single-Unit Trucks	2	0	-	2	0	0	-	0	0	2	-	2	4
% Single-Unit Trucks	1.0	0.0	-	0.9	0.0	0.0	-	0.0	0.0	1.0	-	0.9	0.9
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	1	-	1	1
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.5	-	0.5	0.2
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	2	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4SY
 SW

Count Name: TMC_3
 Barton & Chandler_11-19-19
 Site Code: TMC_3
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (12:00 PM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4SY
 SW

Count Name: TMC_3
 Barton & Chandler_11-19-19
 Site Code: TMC_3
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:30 PM)

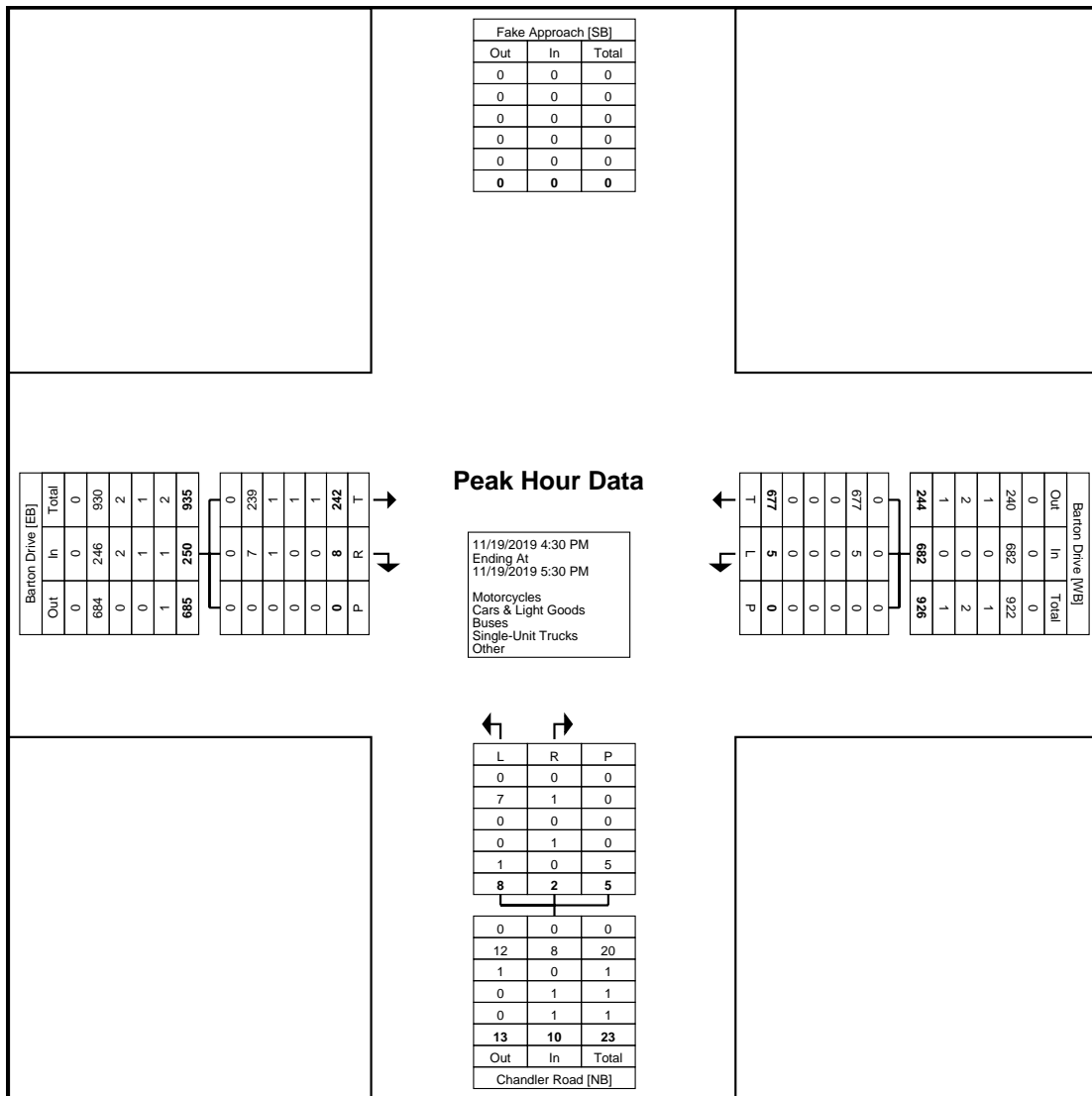
Start Time	Barton Drive Westbound				Chandler Road Northbound				Barton Drive Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
4:30 PM	190	3	0	193	1	0	0	1	2	50	0	52	246
4:45 PM	184	1	0	185	0	1	1	1	1	62	0	63	249
5:00 PM	144	0	0	144	1	6	4	7	3	60	0	63	214
5:15 PM	159	1	0	160	0	1	0	1	2	70	0	72	233
Total	677	5	0	682	2	8	5	10	8	242	0	250	942
Approach %	99.3	0.7	-	-	20.0	80.0	-	-	3.2	96.8	-	-	-
Total %	71.9	0.5	-	72.4	0.2	0.8	-	1.1	0.8	25.7	-	26.5	-
PHF	0.891	0.417	-	0.883	0.500	0.333	-	0.357	0.667	0.864	-	0.868	0.946
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	677	5	-	682	1	7	-	8	7	239	-	246	936
% Cars & Light Goods	100.0	100.0	-	100.0	50.0	87.5	-	80.0	87.5	98.8	-	98.4	99.4
Buses	0	0	-	0	0	0	-	0	1	1	-	2	2
% Buses	0.0	0.0	-	0.0	0.0	0.0	-	0.0	12.5	0.4	-	0.8	0.2
Single-Unit Trucks	0	0	-	0	1	0	-	1	0	1	-	1	2
% Single-Unit Trucks	0.0	0.0	-	0.0	50.0	0.0	-	10.0	0.0	0.4	-	0.4	0.2
Articulated Trucks	0	0	-	0	0	0	-	0	0	1	-	1	1
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.4	-	0.4	0.1
Bicycles on Road	0	0	-	0	0	1	-	1	0	0	-	0	1
% Bicycles on Road	0.0	0.0	-	0.0	0.0	12.5	-	10.0	0.0	0.0	-	0.0	0.1
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	5	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4SY
 SW

Count Name: TMC_3
 Barton & Chandler_11-19-19
 Site Code: TMC_3
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:30 PM)



Project: Lower Town Area
Mobility Study
Corridor: Barton Drive
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU4SY
SW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_3
Barton & Chandler_11-19-
19
Site Code: TMC_3
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized, Chandler Rd. is stop controlled for Barton Dr. at their intersection. VCU camera was located within SW intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_3 Barton & Chandler_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728496, Location: 42.300817, -83.737633, Site Code: TMC_3 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
 7504 Sawgrass Drive,
 www.tdccounts.com,
 Washington, MI, 48094, US

Leg Direction	Barton Drive Westbound					Chandler Road Northbound					Barton Drive Eastbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 6:00AM	9	0	0	9	0	0	1	0	1	1	0	64	0	64	0	74
6:15AM	17	0	0	17	0	0	0	0	0	0	3	106	0	109	0	126
6:30AM	23	0	0	23	0	0	0	0	0	0	1	130	0	131	0	154
6:45AM	36	0	0	36	0	0	0	0	0	0	4	121	0	125	0	161
Hourly Total	85	0	0	85	0	0	1	0	1	1	8	421	0	429	0	515
7:00AM	29	0	0	29	0	0	1	0	1	0	4	152	0	156	0	186
7:15AM	56	0	0	56	0	1	2	0	3	1	6	171	0	177	0	236
7:30AM	68	0	0	68	0	0	2	0	2	0	23	162	0	185	0	255
7:45AM	45	0	0	45	0	2	1	0	3	1	25	156	0	181	0	229
Hourly Total	198	0	0	198	0	3	6	0	9	2	58	641	0	699	0	906
8:00AM	61	0	0	61	0	1	1	0	2	1	27	134	0	161	0	224
8:15AM	59	0	0	59	0	0	2	0	2	1	20	131	0	151	0	212
8:30AM	64	0	0	64	0	0	0	0	0	1	2	160	0	162	0	226
8:45AM	58	0	0	58	0	0	1	0	1	1	9	136	0	145	0	204
Hourly Total	242	0	0	242	0	1	4	0	5	4	58	561	0	619	0	866
9:00AM	44	0	0	44	0	0	3	0	3	3	1	99	0	100	0	147
9:15AM	27	0	0	27	0	1	0	0	1	0	0	65	0	65	0	93
9:30AM	39	1	0	40	1	0	0	0	0	0	2	76	0	78	0	118
9:45AM	44	0	0	44	0	0	3	0	3	0	1	62	0	63	0	110
Hourly Total	154	1	0	155	1	1	6	0	7	3	4	302	0	306	0	468
10:00AM	36	0	0	36	0	0	3	0	3	0	1	57	0	58	0	97
10:15AM	55	0	0	55	0	2	0	0	2	0	1	65	0	66	0	123
10:30AM	46	2	0	48	0	0	2	0	2	0	2	39	0	41	0	91
10:45AM	56	0	0	56	0	0	1	0	1	0	4	52	0	56	0	113
Hourly Total	193	2	0	195	0	2	6	0	8	0	8	213	0	221	0	424
11:00AM	47	0	0	47	0	0	1	0	1	0	2	40	0	42	0	90
11:15AM	63	0	0	63	0	0	1	0	1	0	0	49	0	49	0	113
11:30AM	47	0	0	47	0	0	0	0	0	1	1	45	0	46	0	93
11:45AM	47	2	0	49	0	1	0	0	1	1	0	54	0	54	0	104
Hourly Total	204	2	0	206	0	1	2	0	3	2	3	188	0	191	0	400
12:00PM	40	0	0	40	0	1	3	0	4	0	3	49	0	52	0	96
12:15PM	49	0	0	49	0	0	1	0	1	1	0	46	0	46	0	96
12:30PM	57	2	0	59	0	0	0	0	0	0	3	54	0	57	0	116
12:45PM	64	0	0	64	0	1	0	0	1	1	1	55	0	56	0	121
Hourly Total	210	2	0	212	0	2	4	0	6	2	7	204	0	211	0	429
1:00PM	70	0	0	70	0	0	0	0	0	0	3	54	0	57	0	127
1:15PM	38	1	0	39	0	0	1	0	1	0	0	48	0	48	0	88
1:30PM	46	1	0	47	0	2	0	0	2	0	2	37	0	39	0	88
1:45PM	68	0	0	68	0	0	1	0	1	0	1	37	0	38	0	107
Hourly Total	222	2	0	224	0	2	2	0	4	0	6	176	0	182	0	410
2:00PM	59	0	0	59	0	1	0	0	1	0	1	37	0	38	0	98
2:15PM	85	0	0	85	0	0	0	0	0	0	1	41	0	42	0	127
2:30PM	122	0	0	122	0	2	3	0	5	0	0	57	0	57	0	184
2:45PM	88	1	0	89	0	0	3	0	3	0	2	67	0	69	0	161
Hourly Total	354	1	0	355	0	3	6	0	9	0	4	202	0	206	0	570
3:00PM	120	1	0	121	0	0	3	0	3	0	4	58	0	62	0	186
3:15PM	148	1	0	149	0	1	3	0	4	0	3	59	0	62	0	215
3:30PM	188	1	0	189	0	2	11	0	13	0	4	47	0	51	0	253
3:45PM	115	1	0	116	0	2	0	0	2	0	4	61	0	65	0	183
Hourly Total	571	4	0	575	0	5	17	0	22	0	15	225	0	240	0	837
4:00PM	161	2	1	164	0	1	2	0	3	0	2	60	0	62	0	229
4:15PM	153	0	0	153	0	0	0	0	0	1	3	52	0	55	0	208

Leg Direction	Barton Drive Westbound					Chandler Road Northbound					Barton Drive Eastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
4:30PM	190	3	0	193	0	1	0	0	1	0	2	50	0	52	0	246
4:45PM	184	1	0	185	0	0	1	0	1	1	1	62	0	63	0	249
Hourly Total	688	6	1	695	0	2	3	0	5	2	8	224	0	232	0	932
5:00PM	144	0	0	144	0	1	6	0	7	4	3	60	0	63	0	214
5:15PM	159	1	0	160	0	0	1	0	1	0	2	70	0	72	0	233
5:30PM	123	1	0	124	0	0	2	0	2	1	4	75	0	79	0	205
5:45PM	103	2	0	105	0	0	0	0	0	0	4	74	0	78	0	183
Hourly Total	529	4	0	533	0	1	9	0	10	5	13	279	0	292	0	835
6:00PM	96	1	0	97	0	1	2	0	3	0	1	67	0	68	0	168
6:15PM	66	0	0	66	0	0	2	0	2	0	2	68	0	70	0	138
6:30PM	60	1	0	61	0	1	1	0	2	4	2	64	0	66	0	129
6:45PM	47	0	0	47	0	2	1	0	3	0	3	62	0	65	0	115
Hourly Total	269	2	0	271	0	4	6	0	10	4	8	261	0	269	0	550
Total	3919	26	1	3946	1	27	72	0	99	25	200	3897	0	4097	0	8142
% Approach	99.3%	0.7%	0%	-	-	27.3%	72.7%	0%	-	-	4.9%	95.1%	0%	-	-	-
% Total	48.1%	0.3%	0%	48.5%	-	0.3%	0.9%	0%	1.2%	-	2.5%	47.9%	0%	50.3%	-	-
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	3866	25	1	3892	-	25	70	0	95	-	198	3848	0	4046	-	8033
% Lights	98.6%	96.2%	100%	98.6%	-	92.6%	97.2%	0%	96.0%	-	99.0%	98.7%	0%	98.8%	-	98.7%
Single-Unit Trucks	36	0	0	36	-	1	0	0	1	-	1	25	0	26	-	63
% Single-Unit Trucks	0.9%	0%	0%	0.9%	-	3.7%	0%	0%	1.0%	-	0.5%	0.6%	0%	0.6%	-	0.8%
Articulated Trucks	4	0	0	4	-	0	0	0	0	-	0	4	0	4	-	8
% Articulated Trucks	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0%	0.1%	0%	0.1%	-	0.1%
Buses	12	0	0	12	-	0	0	0	0	-	1	17	0	18	-	30
% Buses	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	0.5%	0.4%	0%	0.4%	-	0.4%
Bicycles on Road	1	1	0	2	-	1	2	0	3	-	0	3	0	3	-	8
% Bicycles on Road	0%	3.8%	0%	0.1%	-	3.7%	2.8%	0%	3.0%	-	0%	0.1%	0%	0.1%	-	0.1%
Pedestrians	-	-	-	-	1	-	-	-	-	22	-	-	-	-	-	0
% Pedestrians	-	-	-	-	100%	-	-	-	-	88.0%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	3	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	12.0%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_3 Barton & Chandler_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

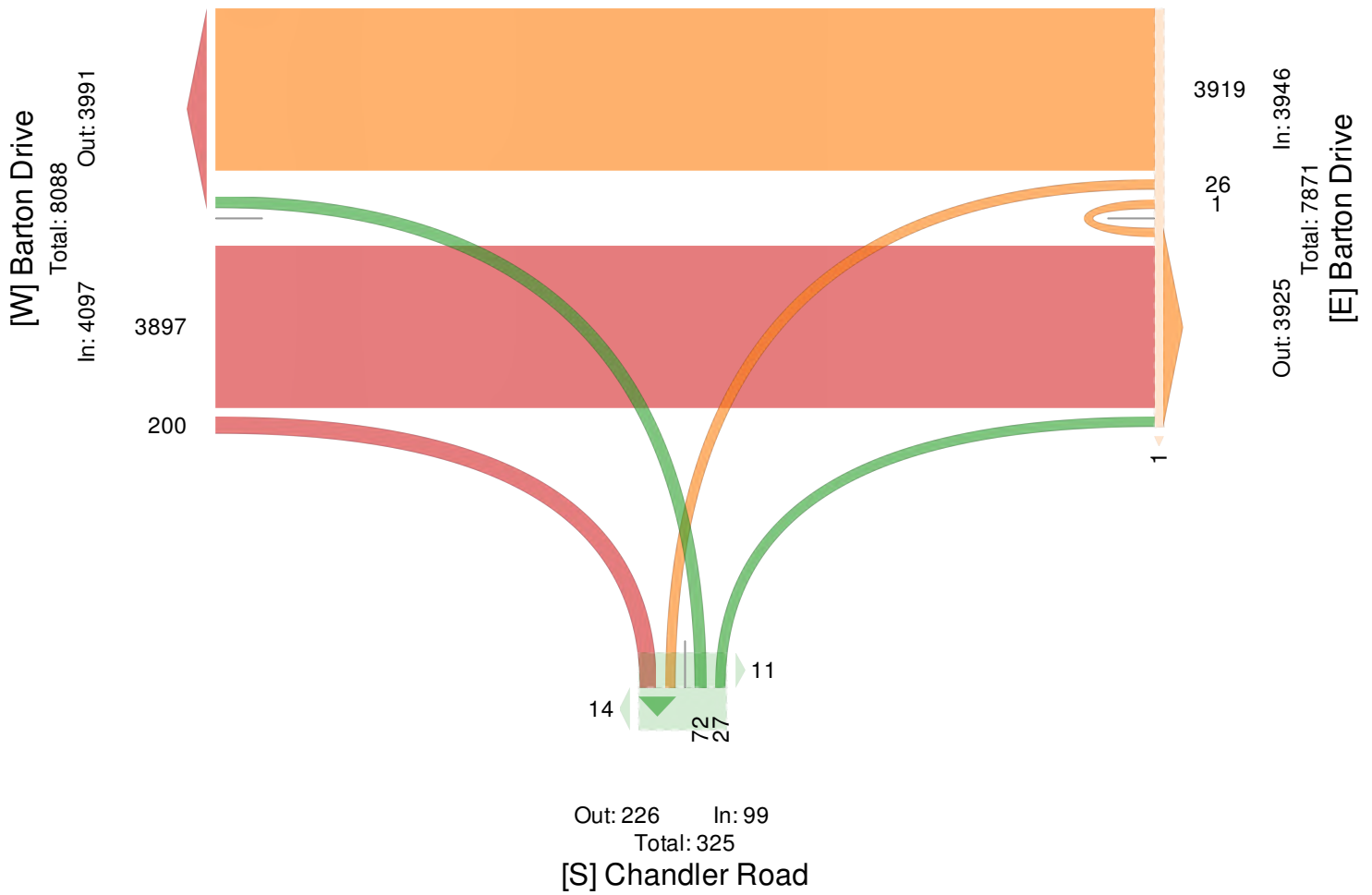
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728496, Location: 42.300817, -83.737633, Site Code: TMC_3 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_3 Barton & Chandler_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:15 AM - 8:15 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728496, Location: 42.300817, -83.737633, Site Code: TMC_3 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Barton Drive Westbound					Chandler Road Northbound					Barton Drive Eastbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
2019-11-19 7:15AM	56	0	0	56	0	1	2	0	3	1	6	171	0	177	0	236
7:30AM	68	0	0	68	0	0	2	0	2	0	23	162	0	185	0	255
7:45AM	45	0	0	45	0	2	1	0	3	1	25	156	0	181	0	229
8:00AM	61	0	0	61	0	1	1	0	2	1	27	134	0	161	0	224
Total	230	0	0	230	0	4	6	0	10	3	81	623	0	704	0	944
% Approach	100%	0%	0%	-	-	40.0%	60.0%	0%	-	-	11.5%	88.5%	0%	-	-	-
% Total	24.4%	0%	0%	24.4%	-	0.4%	0.6%	0%	1.1%	-	8.6%	66.0%	0%	74.6%	-	-
PHF	0.846	-	-	0.846	-	0.500	0.750	-	0.833	-	0.750	0.911	-	0.951	-	0.925
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	227	0	0	227	-	4	6	0	10	-	81	618	0	699	-	936
% Lights	98.7%	0%	0%	98.7%	-	100%	100%	0%	100%	-	100%	99.2%	0%	99.3%	-	99.2%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	2	0	2	-	2
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.3%	0%	0.3%	-	0.2%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	3	0	0	3	-	0	0	0	0	-	0	3	0	3	-	6
% Buses	1.3%	0%	0%	1.3%	-	0%	0%	0%	0%	-	0%	0.5%	0%	0.4%	-	0.6%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	2	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	66.7%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	33.3%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_3 Barton & Chandler_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:15 AM - 8:15 AM) - Overall Peak Hour

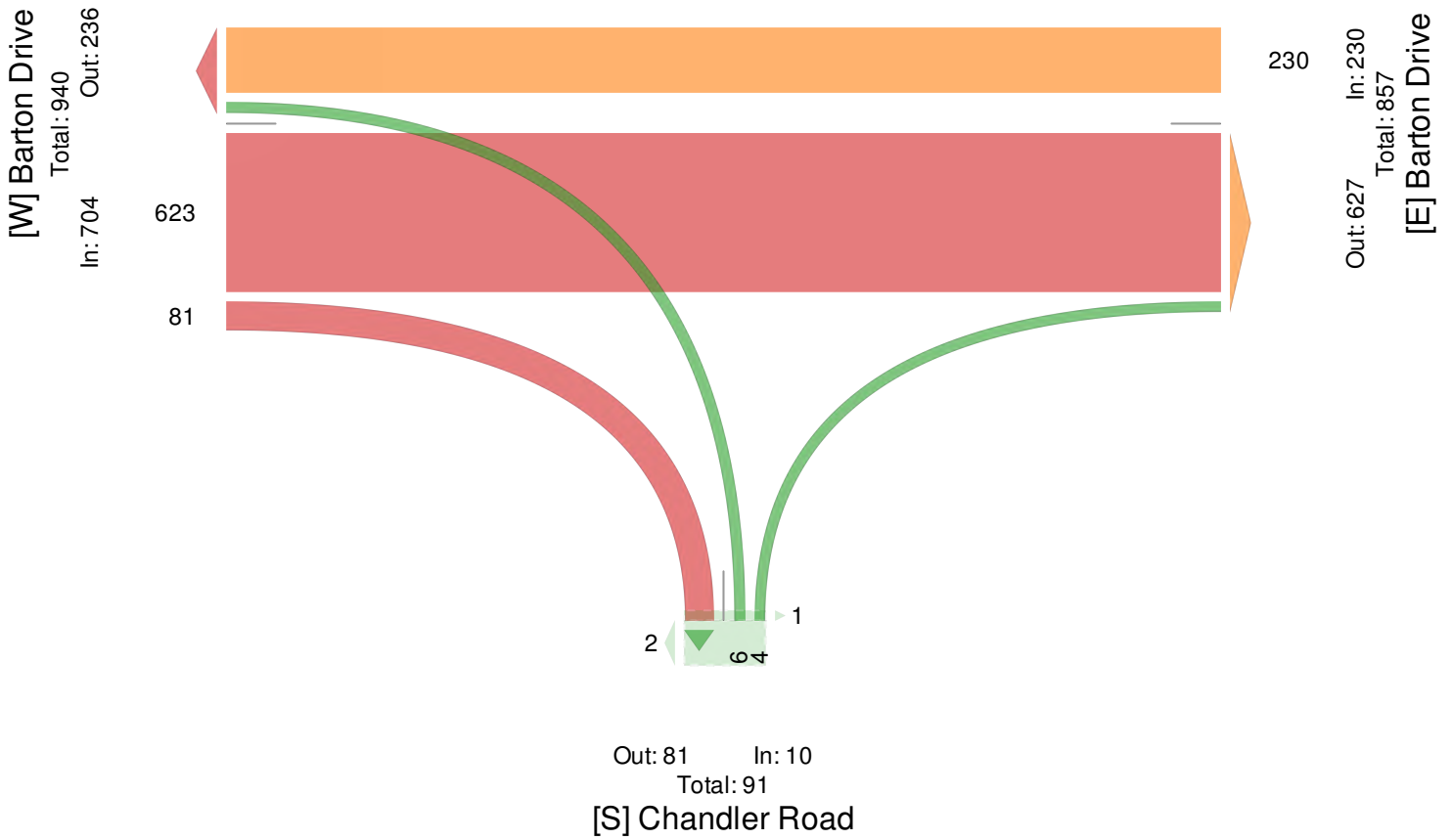
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728496, Location: 42.300817, -83.737633, Site Code: TMC_3 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_3 Barton & Chandler_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (12 PM - 1 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728496, Location: 42.300817, -83.737633, Site Code: TMC_3 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Barton Drive Westbound					Chandler Road Northbound					Barton Drive Eastbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
Time																
2019-11-19 12:00PM	40	0	0	40	0	1	3	0	4	0	3	49	0	52	0	96
12:15PM	49	0	0	49	0	0	1	0	1	1	0	46	0	46	0	96
12:30PM	57	2	0	59	0	0	0	0	0	0	3	54	0	57	0	116
12:45PM	64	0	0	64	0	1	0	0	1	1	1	55	0	56	0	121
Total	210	2	0	212	0	2	4	0	6	2	7	204	0	211	0	429
% Approach	99.1%	0.9%	0%	-	-	33.3%	66.7%	0%	-	-	3.3%	96.7%	0%	-	-	-
% Total	49.0%	0.5%	0%	49.4%	-	0.5%	0.9%	0%	1.4%	-	1.6%	47.6%	0%	49.2%	-	-
PHF	0.820	0.250	-	0.828	-	0.500	0.333	-	0.375	-	0.583	0.923	-	0.921	-	0.884
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	208	2	0	210	-	2	4	0	6	-	7	200	0	207	-	423
% Lights	99.0%	100%	0%	99.1%	-	100%	100%	0%	100%	-	100%	98.0%	0%	98.1%	-	98.6%
Single-Unit Trucks	2	0	0	2	-	0	0	0	0	-	0	2	0	2	-	4
% Single-Unit Trucks	1.0%	0%	0%	0.9%	-	0%	0%	0%	0%	-	0%	1.0%	0%	0.9%	-	0.9%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Buses	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.5%	0%	0.5%	-	0.2%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.5%	0%	0.5%	-	0.2%
Pedestrians	-	-	-	-	0	-	-	-	-	2	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_3 Barton & Chandler_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (12 PM - 1 PM)

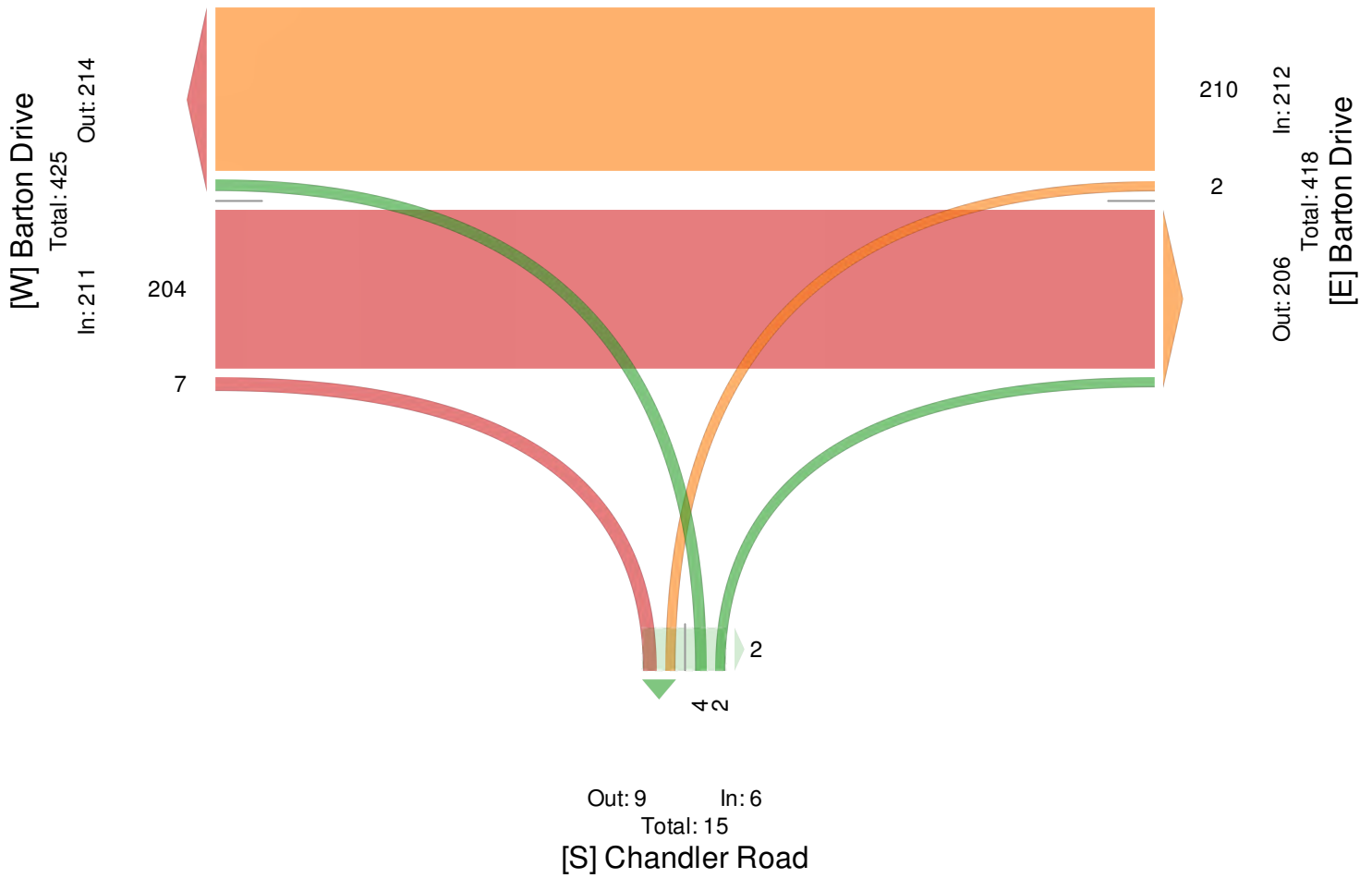
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728496, Location: 42.300817, -83.737633, Site Code: TMC_3 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_3 Barton & Chandler_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728496, Location: 42.300817, -83.737633, Site Code: TMC_3 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Barton Drive Westbound					Chandler Road Northbound					Barton Drive Eastbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
2019-11-19 4:30PM	190	3	0	193	0	1	0	0	1	0	2	50	0	52	0	246
4:45PM	184	1	0	185	0	0	1	0	1	1	1	62	0	63	0	249
5:00PM	144	0	0	144	0	1	6	0	7	4	3	60	0	63	0	214
5:15PM	159	1	0	160	0	0	1	0	1	0	2	70	0	72	0	233
Total	677	5	0	682	0	2	8	0	10	5	8	242	0	250	0	942
% Approach	99.3%	0.7%	0%	-	-	20.0%	80.0%	0%	-	-	3.2%	96.8%	0%	-	-	-
% Total	71.9%	0.5%	0%	72.4%	-	0.2%	0.8%	0%	1.1%	-	0.8%	25.7%	0%	26.5%	-	-
PHF	0.891	0.417	-	0.883	-	0.500	0.292	-	0.321	-	0.667	0.864	-	0.868	-	0.945
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	677	5	0	682	-	1	7	0	8	-	7	239	0	246	-	936
% Lights	100%	100%	0%	100%	-	50.0%	87.5%	0%	80.0%	-	87.5%	98.8%	0%	98.4%	-	99.4%
Single-Unit Trucks	0	0	0	0	-	1	0	0	1	-	0	1	0	1	-	2
% Single-Unit Trucks	0%	0%	0%	0%	-	50.0%	0%	0%	10.0%	-	0%	0.4%	0%	0.4%	-	0.2%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.4%	0%	0.4%	-	0.1%
Buses	0	0	0	0	-	0	0	0	0	-	1	1	0	2	-	2
% Buses	0%	0%	0%	0%	-	0%	0%	0%	0%	-	12.5%	0.4%	0%	0.8%	-	0.2%
Bicycles on Road	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	-	0%	12.5%	0%	10.0%	-	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	0	-	-	-	-	5	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_3 Barton & Chandler_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM)

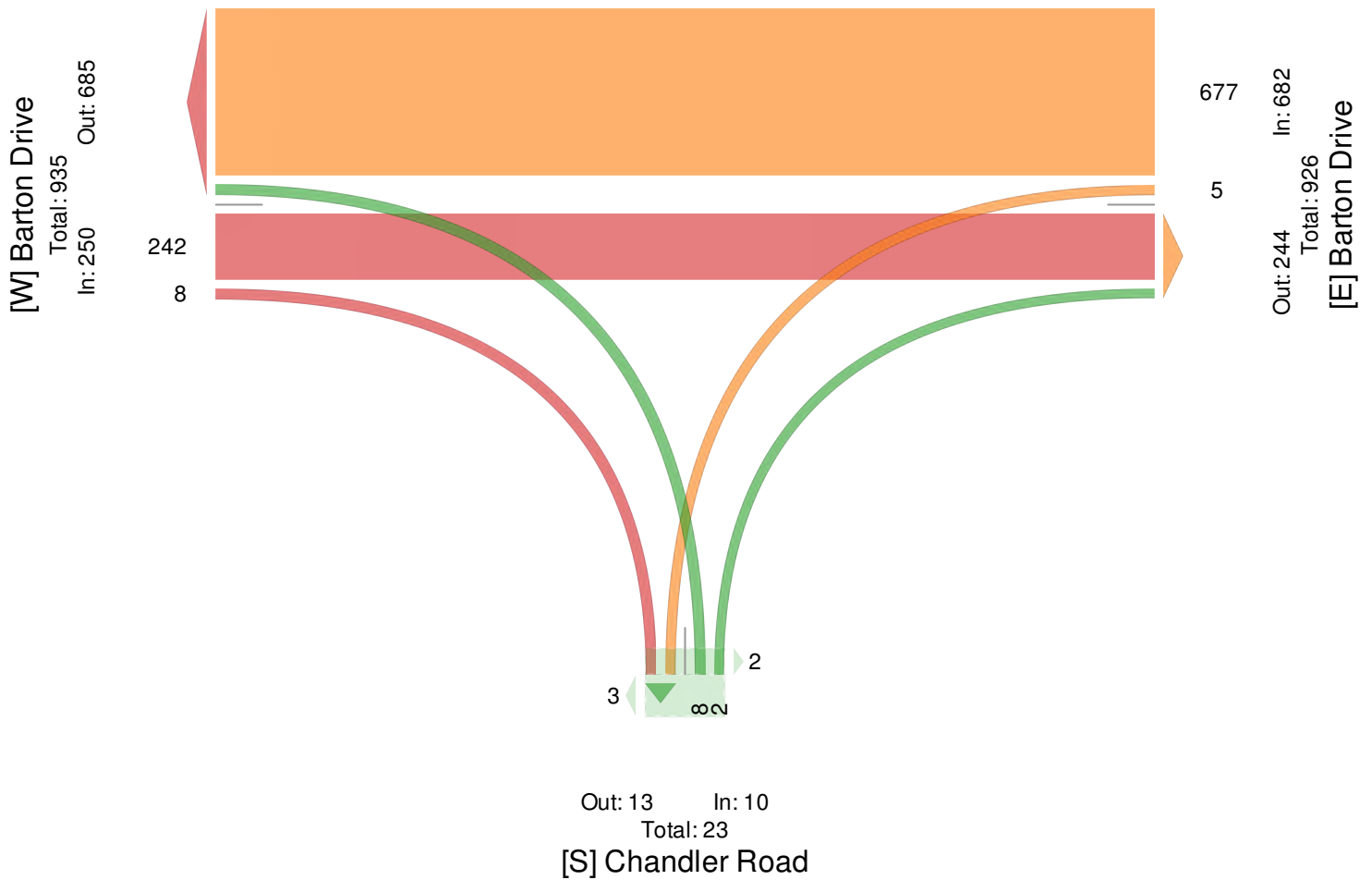
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728496, Location: 42.300817, -83.737633, Site Code: TMC_3 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



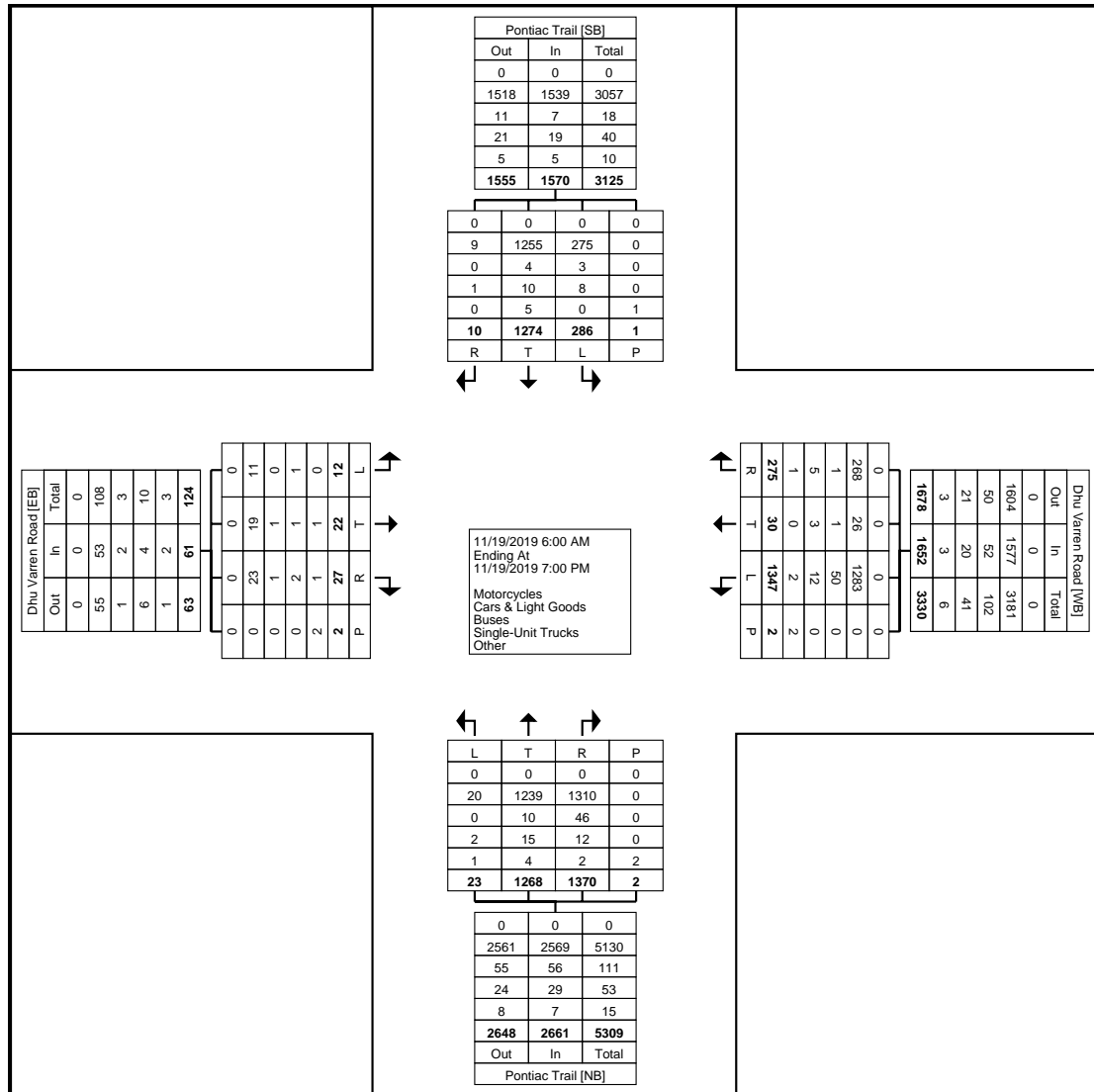
5:30 PM	0	13	7	0	20	17	2	50	0	69	36	52	2	0	90	0	0	0	0	0	179
5:45 PM	0	16	2	0	18	15	2	40	0	57	43	45	0	0	88	0	0	0	0	0	163
Hourly Total	1	60	14	0	75	59	7	181	0	247	176	256	2	0	434	0	1	1	0	2	758
6:00 PM	0	17	0	0	17	6	0	31	0	37	35	38	2	0	75	0	0	0	0	0	129
6:15 PM	1	7	3	0	11	6	1	32	0	39	51	23	1	0	75	1	1	0	0	2	127
6:30 PM	0	17	4	0	21	2	2	23	0	27	27	19	4	0	50	2	1	0	0	3	101
6:45 PM	0	11	2	0	13	2	2	21	0	25	26	25	3	0	54	0	0	0	0	0	92
Hourly Total	1	52	9	0	62	16	5	107	0	128	139	105	10	0	254	3	2	0	0	5	449
Grand Total	10	1274	286	1	1570	275	30	1347	2	1652	1370	1268	23	2	2661	27	22	12	2	61	5944
Approach %	0.6	81.1	18.2	-	-	16.6	1.8	81.5	-	-	51.5	47.7	0.9	-	-	44.3	36.1	19.7	-	-	-
Total %	0.2	21.4	4.8	-	26.4	4.6	0.5	22.7	-	27.8	23.0	21.3	0.4	-	44.8	0.5	0.4	0.2	-	1.0	-
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	9	1255	275	-	1539	268	26	1283	-	1577	1310	1239	20	-	2569	23	19	11	-	53	5738
% Cars & Light Goods	90.0	98.5	96.2	-	98.0	97.5	86.7	95.2	-	95.5	95.6	97.7	87.0	-	96.5	85.2	86.4	91.7	-	86.9	96.5
Buses	0	4	3	-	7	1	1	50	-	52	46	10	0	-	56	1	1	0	-	2	117
% Buses	0.0	0.3	1.0	-	0.4	0.4	3.3	3.7	-	3.1	3.4	0.8	0.0	-	2.1	3.7	4.5	0.0	-	3.3	2.0
Single-Unit Trucks	1	10	8	-	19	5	3	12	-	20	12	15	2	-	29	2	1	1	-	4	72
% Single-Unit Trucks	10.0	0.8	2.8	-	1.2	1.8	10.0	0.9	-	1.2	0.9	1.2	8.7	-	1.1	7.4	4.5	8.3	-	6.6	1.2
Articulated Trucks	0	5	0	-	5	1	0	1	-	2	2	3	0	-	5	0	0	0	-	0	12
% Articulated Trucks	0.0	0.4	0.0	-	0.3	0.4	0.0	0.1	-	0.1	0.1	0.2	0.0	-	0.2	0.0	0.0	0.0	-	0.0	0.2
Bicycles on Road	0	0	0	-	0	0	0	1	-	1	0	1	1	-	2	1	1	0	-	2	5
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.1	-	0.1	0.0	0.1	4.3	-	0.1	3.7	4.5	0.0	-	3.3	0.1
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	0.0	-	-	-	-	0.0	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	1	-	-	-	-	2	-	-	-	-	2	-	-	-	-	2	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EU
 NE

Count Name: TMC_4
 Pontiac Trail & Dhu
 Varren_11-19-19
 Site Code: TMC_4
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EU
 NE

Count Name: TMC_4
 Pontiac Trail & Dhu
 Varren_11-19-19
 Site Code: TMC_4
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:30 AM)

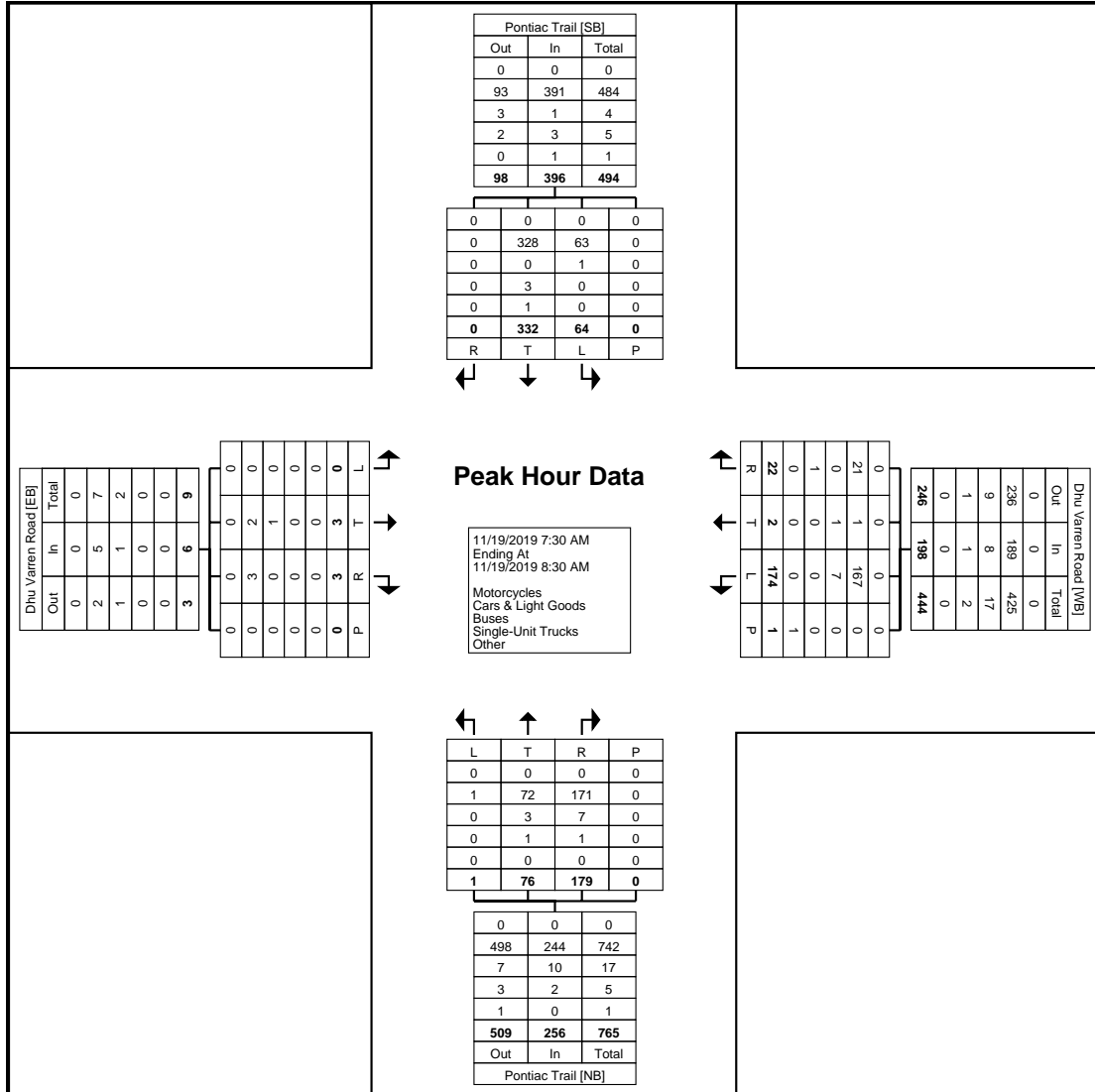
Start Time	Pontiac Trail Southbound					Dhu Varren Road Westbound					Pontiac Trail Northbound					Dhu Varren Road Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
7:30 AM	0	68	18	0	86	4	1	45	0	50	48	22	0	0	70	2	1	0	0	3	209
7:45 AM	0	88	15	0	103	4	0	39	0	43	57	18	0	0	75	1	1	0	0	2	223
8:00 AM	0	98	15	0	113	5	1	58	1	64	33	15	0	0	48	0	1	0	0	1	226
8:15 AM	0	78	16	0	94	9	0	32	0	41	41	21	1	0	63	0	0	0	0	0	198
Total	0	332	64	0	396	22	2	174	1	198	179	76	1	0	256	3	3	0	0	6	856
Approach %	0.0	83.8	16.2	-	-	11.1	1.0	87.9	-	-	69.9	29.7	0.4	-	-	50.0	50.0	0.0	-	-	-
Total %	0.0	38.8	7.5	-	46.3	2.6	0.2	20.3	-	23.1	20.9	8.9	0.1	-	29.9	0.4	0.4	0.0	-	0.7	-
PHF	0.000	0.847	0.889	-	0.876	0.611	0.500	0.750	-	0.773	0.785	0.864	0.250	-	0.853	0.375	0.750	0.000	-	0.500	0.947
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	0	328	63	-	391	21	1	167	-	189	171	72	1	-	244	3	2	0	-	5	829
% Cars & Light Goods	-	98.8	98.4	-	98.7	95.5	50.0	96.0	-	95.5	95.5	94.7	100.0	-	95.3	100.0	66.7	-	-	83.3	96.8
Buses	0	0	1	-	1	0	1	7	-	8	7	3	0	-	10	0	1	0	-	1	20
% Buses	-	0.0	1.6	-	0.3	0.0	50.0	4.0	-	4.0	3.9	3.9	0.0	-	3.9	0.0	33.3	-	-	16.7	2.3
Single-Unit Trucks	0	3	0	-	3	1	0	0	-	1	1	1	0	-	2	0	0	0	-	0	6
% Single-Unit Trucks	-	0.9	0.0	-	0.8	4.5	0.0	0.0	-	0.5	0.6	1.3	0.0	-	0.8	0.0	0.0	-	-	0.0	0.7
Articulated Trucks	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	-	0.3	0.0	-	0.3	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.1
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EU
 NE

Count Name: TMC_4
 Pontiac Trail & Dhu
 Varren_11-19-19
 Site Code: TMC_4
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:30 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EU
 NE

Count Name: TMC_4
 Pontiac Trail & Dhu
 Varren_11-19-19
 Site Code: TMC_4
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (12:00 PM)

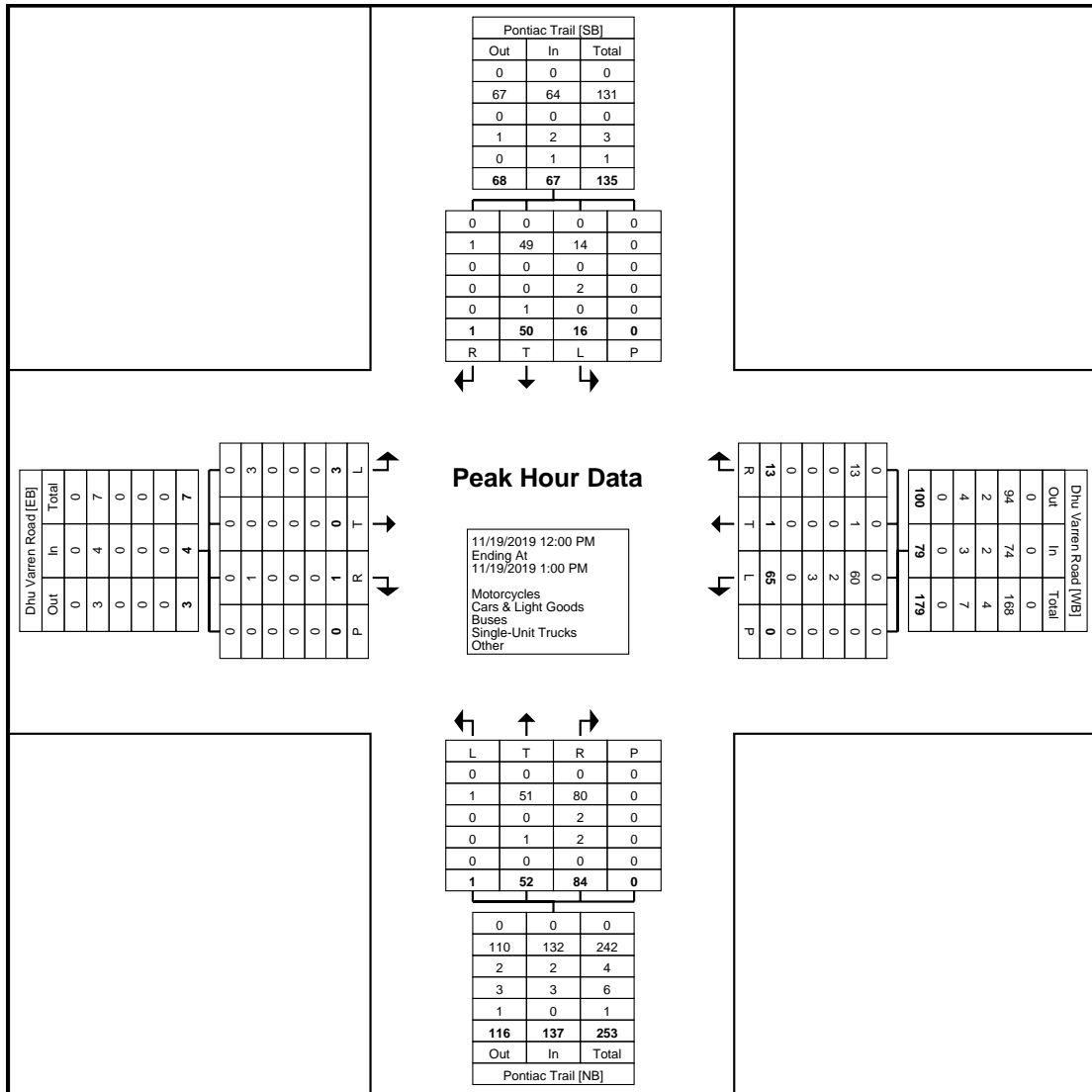
Start Time	Pontiac Trail Southbound					Dhu Varren Road Westbound					Pontiac Trail Northbound					Dhu Varren Road Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
12:00 PM	0	9	3	0	12	2	1	12	0	15	18	16	1	0	35	1	0	1	0	2	64
12:15 PM	1	11	3	0	15	6	0	13	0	19	18	10	0	0	28	0	0	2	0	2	64
12:30 PM	0	14	5	0	19	2	0	18	0	20	20	14	0	0	34	0	0	0	0	0	73
12:45 PM	0	16	5	0	21	3	0	22	0	25	28	12	0	0	40	0	0	0	0	0	86
Total	1	50	16	0	67	13	1	65	0	79	84	52	1	0	137	1	0	3	0	4	287
Approach %	1.5	74.6	23.9	-	-	16.5	1.3	82.3	-	-	61.3	38.0	0.7	-	-	25.0	0.0	75.0	-	-	-
Total %	0.3	17.4	5.6	-	23.3	4.5	0.3	22.6	-	27.5	29.3	18.1	0.3	-	47.7	0.3	0.0	1.0	-	1.4	-
PHF	0.250	0.781	0.800	-	0.798	0.542	0.250	0.739	-	0.790	0.750	0.813	0.250	-	0.856	0.250	0.000	0.375	-	0.500	0.834
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0
Cars & Light Goods	1	49	14	-	64	13	1	60	-	74	80	51	1	-	132	1	0	3	-	4	274
% Cars & Light Goods	100.0	98.0	87.5	-	95.5	100.0	100.0	92.3	-	93.7	95.2	98.1	100.0	-	96.4	100.0	-	100.0	-	100.0	95.5
Buses	0	0	0	-	0	0	0	2	-	2	2	0	0	-	2	0	0	0	-	0	4
% Buses	0.0	0.0	0.0	-	0.0	0.0	0.0	3.1	-	2.5	2.4	0.0	0.0	-	1.5	0.0	-	0.0	-	0.0	1.4
Single-Unit Trucks	0	0	2	-	2	0	0	3	-	3	2	1	0	-	3	0	0	0	-	0	8
% Single-Unit Trucks	0.0	0.0	12.5	-	3.0	0.0	0.0	4.6	-	3.8	2.4	1.9	0.0	-	2.2	0.0	-	0.0	-	0.0	2.8
Articulated Trucks	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	0.0	2.0	0.0	-	1.5	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.3
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EU
 NE

Count Name: TMC_4
 Pontiac Trail & Dhu
 Varren_11-19-19
 Site Code: TMC_4
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (12:00 PM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EU
 NE

Count Name: TMC_4
 Pontiac Trail & Dhu
 Varren_11-19-19
 Site Code: TMC_4
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:45 PM)

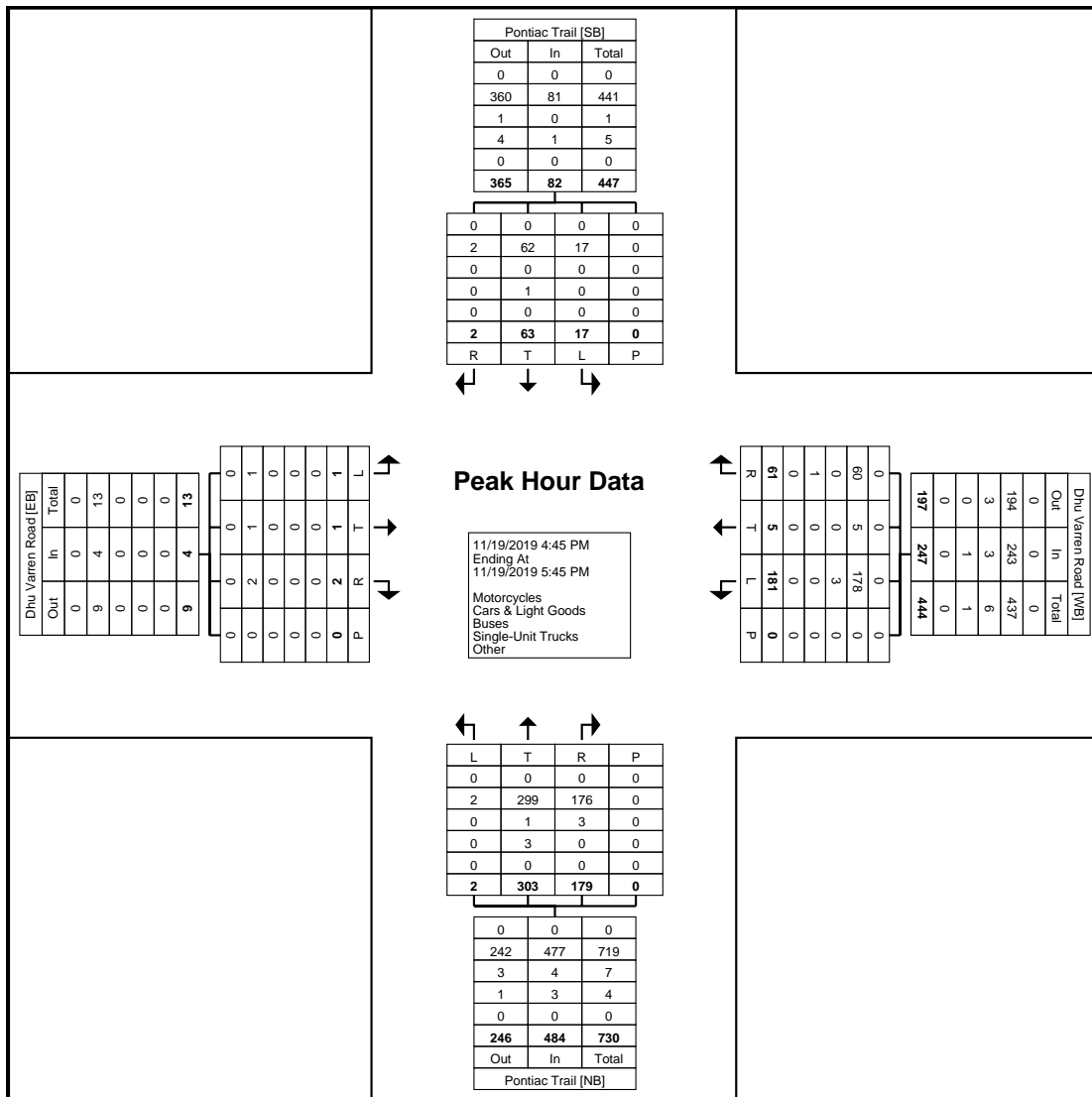
Start Time	Pontiac Trail Southbound					Dhu Varren Road Westbound					Pontiac Trail Northbound					Dhu Varren Road Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
4:45 PM	1	19	5	0	25	17	0	40	0	57	46	92	0	0	138	2	0	0	0	2	222
5:00 PM	0	14	1	0	15	12	1	40	0	53	48	79	0	0	127	0	0	0	0	0	195
5:15 PM	1	17	4	0	22	15	2	51	0	68	49	80	0	0	129	0	1	1	0	2	221
5:30 PM	0	13	7	0	20	17	2	50	0	69	36	52	2	0	90	0	0	0	0	0	179
Total	2	63	17	0	82	61	5	181	0	247	179	303	2	0	484	2	1	1	0	4	817
Approach %	2.4	76.8	20.7	-	-	24.7	2.0	73.3	-	-	37.0	62.6	0.4	-	-	50.0	25.0	25.0	-	-	-
Total %	0.2	7.7	2.1	-	10.0	7.5	0.6	22.2	-	30.2	21.9	37.1	0.2	-	59.2	0.2	0.1	0.1	-	0.5	-
PHF	0.500	0.829	0.607	-	0.820	0.897	0.625	0.887	-	0.895	0.913	0.823	0.250	-	0.877	0.250	0.250	0.250	-	0.500	0.920
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	2	62	17	-	81	60	5	178	-	243	176	299	2	-	477	2	1	1	-	4	805
% Cars & Light Goods	100.0	98.4	100.0	-	98.8	98.4	100.0	98.3	-	98.4	98.3	98.7	100.0	-	98.6	100.0	100.0	100.0	-	100.0	98.5
Buses	0	0	0	-	0	0	0	3	-	3	3	1	0	-	4	0	0	0	-	0	7
% Buses	0.0	0.0	0.0	-	0.0	0.0	0.0	1.7	-	1.2	1.7	0.3	0.0	-	0.8	0.0	0.0	0.0	-	0.0	0.9
Single-Unit Trucks	0	1	0	-	1	1	0	0	-	1	0	3	0	-	3	0	0	0	-	0	5
% Single-Unit Trucks	0.0	1.6	0.0	-	1.2	1.6	0.0	0.0	-	0.4	0.0	1.0	0.0	-	0.6	0.0	0.0	0.0	-	0.0	0.6
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EU
 NE

Count Name: TMC_4
 Pontiac Trail & Dhu
 Varren_11-19-19
 Site Code: TMC_4
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:45 PM)



Project: Lower Town Area
Mobility Study
Corridor: Pontiac Trail
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU8EU
NE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_4
Pontiac Trail & Dhu
Varren_11-19-19
Site Code: TMC_4
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized intersection, Dhu Varren Rd. is stop controlled for Pontiac Trail at their intersection. VCU camera was located within NE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

Leg Direction	Pontiac Trail Southbound						Dhu Varren Road Westbound						Pontiac Trail Northbound						Dhu Varren Road Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
Lights	9	1255	274	1	1539	-	268	26	1283	0	1577	-	1310	1239	20	0	2569	-	23	19	11	0	53	-	5738
% Lights	90.0%	98.5%	96.1%	100%	98.0%	-	97.5%	86.7%	95.2%	0%	95.5%	-	95.6%	97.7%	87.0%	0%	96.5%	-	85.2%	86.4%	91.7%	0%	86.9%	-	96.5%
Single-Unit Trucks	1	10	8	0	19	-	5	3	12	0	20	-	12	15	2	0	29	-	2	1	1	0	4	-	72
% Single-Unit Trucks	10.0%	0.8%	2.8%	0%	1.2%	-	1.8%	10.0%	0.9%	0%	1.2%	-	0.9%	1.2%	8.7%	0%	1.1%	-	7.4%	4.5%	8.3%	0%	6.6%	-	1.2%
Articulated Trucks	0	5	0	0	5	-	1	0	1	0	2	-	2	3	0	0	5	-	0	0	0	0	0	-	12
% Articulated Trucks	0%	0.4%	0%	0%	0.3%	-	0.4%	0%	0.1%	0%	0.1%	-	0.1%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.2%
Buses	0	4	3	0	7	-	1	1	50	0	52	-	46	10	0	0	56	-	1	1	0	0	2	-	117
% Buses	0%	0.3%	1.1%	0%	0.4%	-	0.4%	3.3%	3.7%	0%	3.1%	-	3.4%	0.8%	0%	0%	2.1%	-	3.7%	4.5%	0%	0%	3.3%	-	2.0%
Bicycles on Road	0	0	0	0	0	-	0	0	1	0	1	-	0	1	1	0	2	-	1	1	0	0	2	-	5
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0.1%	0%	0.1%	-	0%	0.1%	4.3%	0%	0.1%	-	3.7%	4.5%	0%	0%	3.3%	-	0.1%
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	2
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	-	0%

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_4 Pontiac Trail & Dhu Varren_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

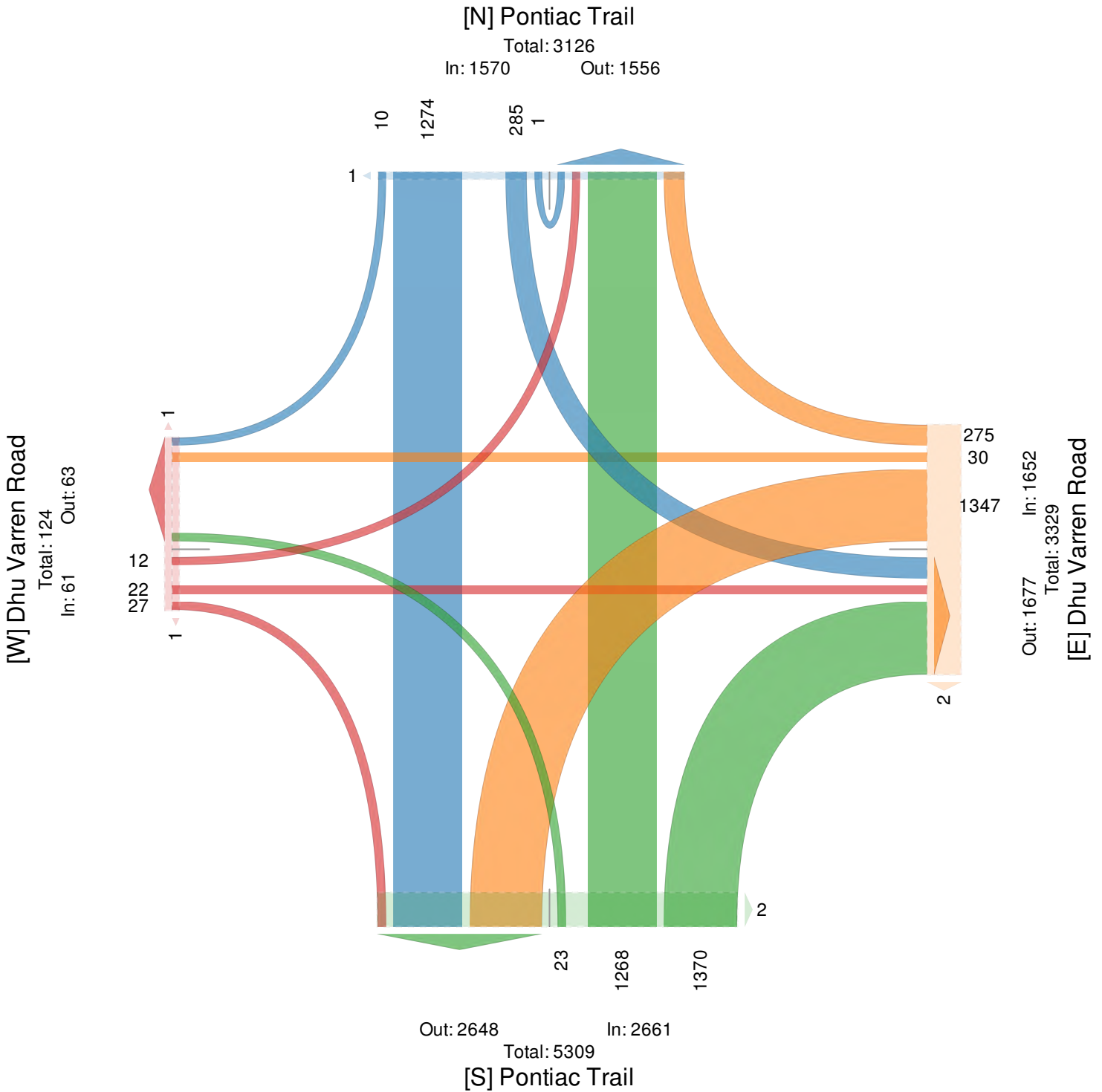
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728500, Location: 42.316173, -83.734139, Site Code: TMC_4 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_4 Pontiac Trail & Dhu Varren_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728500, Location: 42.316173, -83.734139, Site Code: TMC_4 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound						Dhu Varren Road Westbound						Pontiac Trail Northbound						Dhu Varren Road Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 7:30AM	0	68	18	0	86	0	4	1	45	0	50	0	48	22	0	0	70	0	2	1	0	0	3	0	209
7:45AM	0	88	15	0	103	0	4	0	39	0	43	0	57	18	0	0	75	0	1	1	0	0	2	0	223
8:00AM	0	98	15	0	113	0	5	1	58	0	64	1	33	15	0	0	48	0	0	1	0	0	1	0	226
8:15AM	0	78	16	0	94	0	9	0	32	0	41	0	41	21	1	0	63	0	0	0	0	0	0	0	198
Total	0	332	64	0	396	0	22	2	174	0	198	1	179	76	1	0	256	0	3	3	0	0	6	0	856
% Approach	0%	83.8%	16.2%	0%	-	-	11.1%	1.0%	87.9%	0%	-	-	69.9%	29.7%	0.4%	0%	-	-	50.0%	50.0%	0%	0%	-	-	-
% Total	0%	38.8%	7.5%	0%	46.3%	-	2.6%	0.2%	20.3%	0%	23.1%	-	20.9%	8.9%	0.1%	0%	29.9%	-	0.4%	0.4%	0%	0%	0.7%	-	-
PHF	-	0.847	0.889	-	0.876	-	0.611	0.500	0.750	-	0.773	-	0.785	0.864	0.250	-	0.853	-	0.375	0.750	-	-	0.500	-	0.947
Motorcycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Motorcycles	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Lights	0	328	63	0	391	-	21	1	167	0	189	-	171	72	1	0	244	-	3	2	0	0	5	-	829
% Lights	0%	98.8%	98.4%	0%	98.7%	-	95.5%	50.0%	96.0%	0%	95.5%	-	95.5%	94.7%	100%	0%	95.3%	-	100%	66.7%	0%	0%	83.3%	-	96.8%
Single-Unit Trucks	0	3	0	0	3	-	1	0	0	0	1	-	1	1	0	0	2	-	0	0	0	0	0	-	6
% Single-Unit Trucks	0%	0.9%	0%	0%	0.8%	-	4.5%	0%	0%	0%	0.5%	-	0.6%	1.3%	0%	0%	0.8%	-	0%	0%	0%	0%	0%	-	0.7%
Articulated Trucks	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	0	1	0	1	-	0	1	7	0	8	-	7	3	0	0	10	-	0	1	0	0	1	-	20
% Buses	0%	0%	1.6%	0%	0.3%	-	0%	50.0%	4.0%	0%	4.0%	-	3.9%	3.9%	0%	0%	3.9%	-	0%	33.3%	0%	0%	16.7%	-	2.3%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_4 Pontiac Trail & Dhu Varren_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

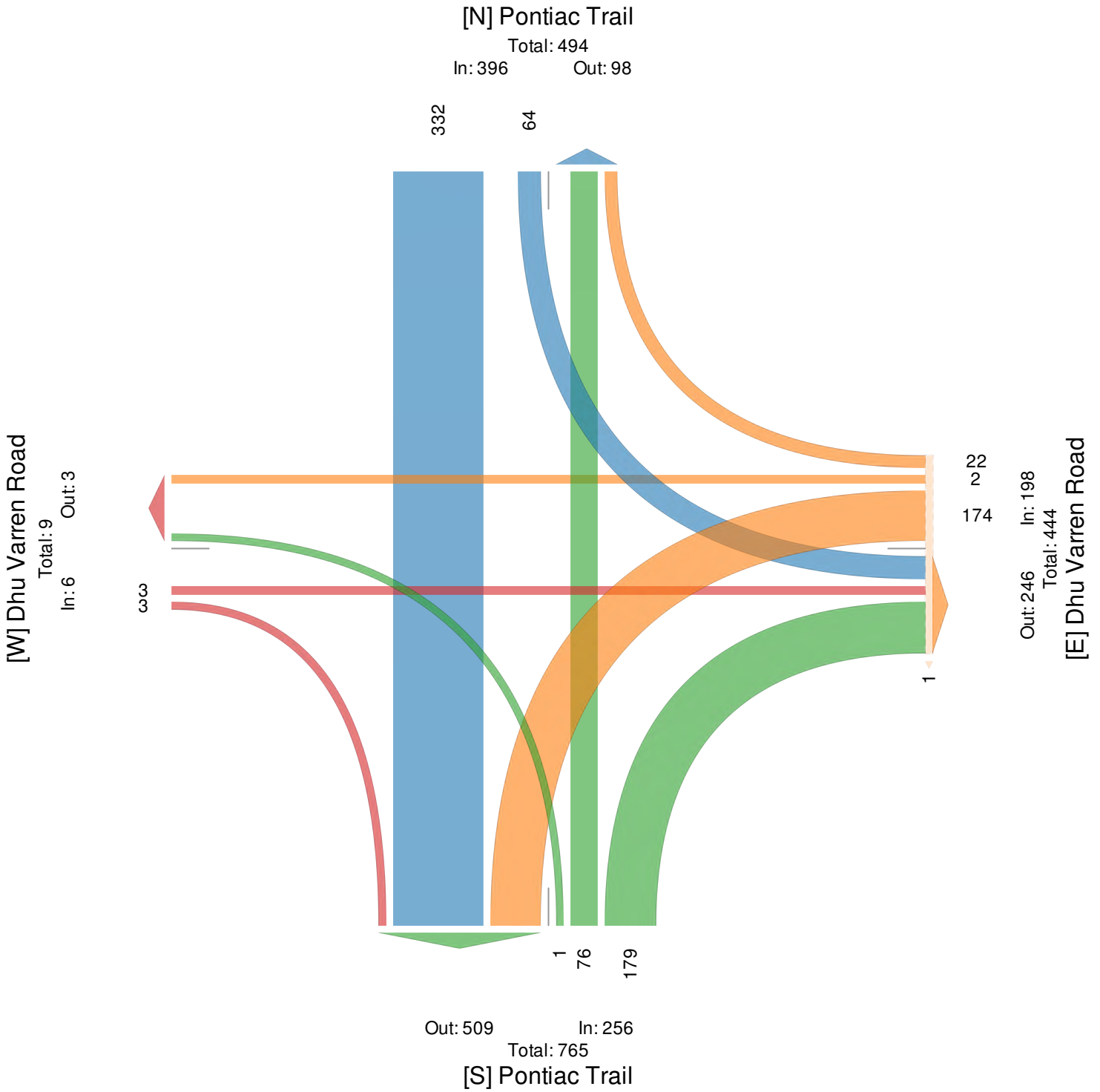
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728500, Location: 42.316173, -83.734139, Site Code: TMC_4 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_4 Pontiac Trail & Dhu Varren_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (12 PM - 1 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728500, Location: 42.316173, -83.734139, Site Code: TMC_4 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound						Dhu Varren Road Westbound						Pontiac Trail Northbound						Dhu Varren Road Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 12:00PM	0	9	3	0	12	0	2	1	12	0	15	0	18	16	1	0	35	0	1	0	1	0	2	0	64
12:15PM	1	11	3	0	15	0	6	0	13	0	19	0	18	10	0	0	28	0	0	0	2	0	2	0	64
12:30PM	0	14	4	1	19	0	2	0	18	0	20	0	20	14	0	0	34	0	0	0	0	0	0	0	73
12:45PM	0	16	5	0	21	0	3	0	22	0	25	0	28	12	0	0	40	0	0	0	0	0	0	0	86
Total	1	50	15	1	67	0	13	1	65	0	79	0	84	52	1	0	137	0	1	0	3	0	4	0	287
% Approach	1.5%	74.6%	22.4%	1.5%	-	-	16.5%	1.3%	82.3%	0%	-	-	61.3%	38.0%	0.7%	0%	-	-	25.0%	0%	75.0%	0%	-	-	-
% Total	0.3%	17.4%	5.2%	0.3%	23.3%	-	4.5%	0.3%	22.6%	0%	27.5%	-	29.3%	18.1%	0.3%	0%	47.7%	-	0.3%	0%	1.0%	0%	1.4%	-	-
PHF	0.250	0.781	0.750	0.250	0.798	-	0.542	0.250	0.739	-	0.790	-	0.750	0.813	0.250	-	0.856	-	0.250	-	0.375	-	0.500	-	0.834
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	1	49	13	1	64	-	13	1	60	0	74	-	80	51	1	0	132	-	1	0	3	0	4	-	274
% Lights	100%	98.0%	86.7%	100%	95.5%	-	100%	100%	92.3%	0%	93.7%	-	95.2%	98.1%	100%	0%	96.4%	-	100%	0%	100%	0%	100%	-	95.5%
Single-Unit Trucks	0	0	2	0	2	-	0	0	3	0	3	-	2	1	0	0	3	-	0	0	0	0	0	-	8
% Single-Unit Trucks	0%	0%	13.3%	0%	3.0%	-	0%	0%	4.6%	0%	3.8%	-	2.4%	1.9%	0%	0%	2.2%	-	0%	0%	0%	0%	0%	-	2.8%
Articulated Trucks	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	2.0%	0%	0%	1.5%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.3%
Buses	0	0	0	0	0	-	0	0	2	0	2	-	2	0	0	0	2	-	0	0	0	0	0	-	4
% Buses	0%	0%	0%	0%	0%	-	0%	0%	3.1%	0%	2.5%	-	2.4%	0%	0%	0%	1.5%	-	0%	0%	0%	0%	0%	-	1.4%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_4 Pontiac Trail & Dhu Varren_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (12 PM - 1 PM)

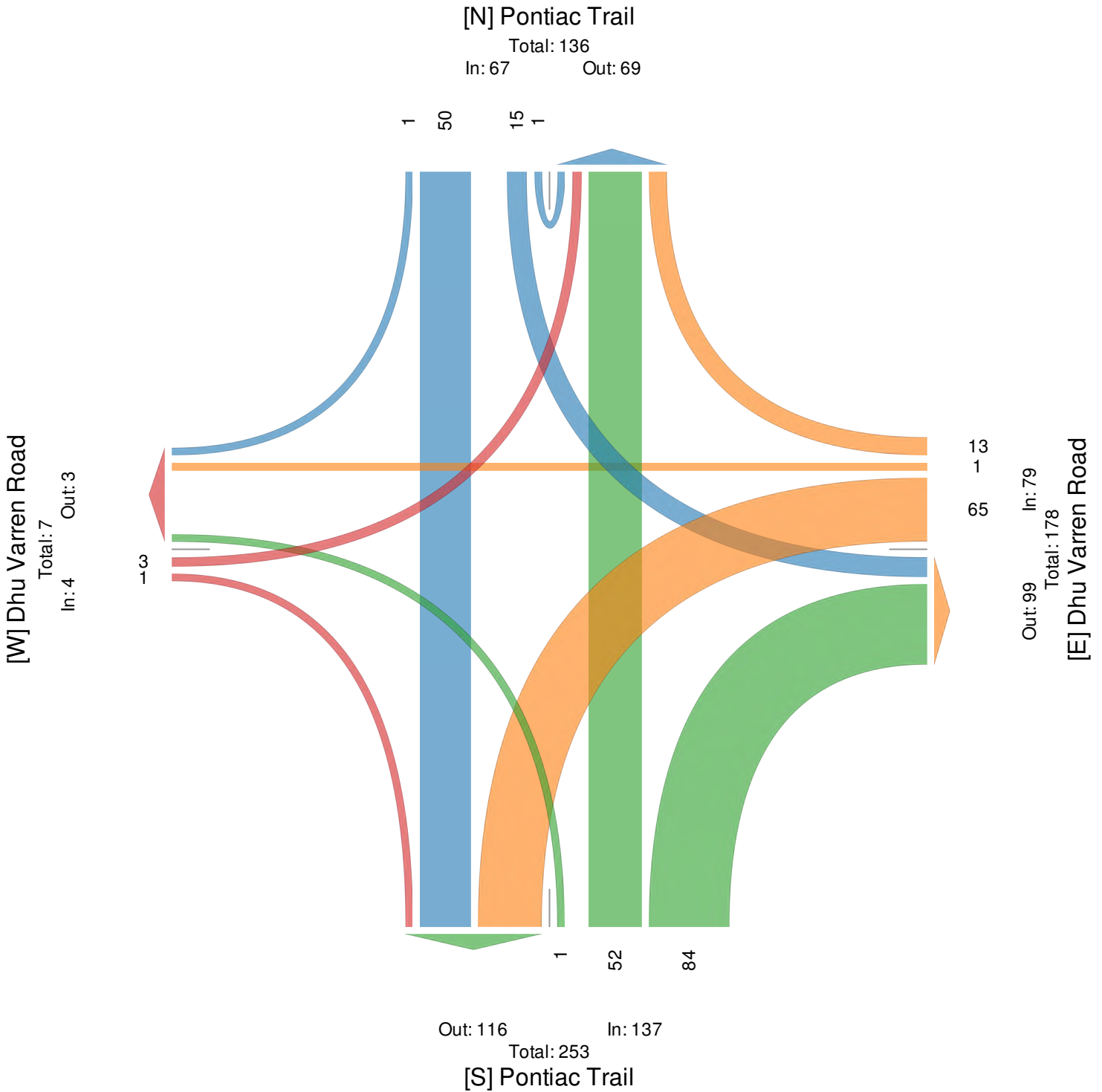
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728500, Location: 42.316173, -83.734139, Site Code: TMC_4 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_4 Pontiac Trail & Dhu Varren_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:45 PM - 5:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728500, Location: 42.316173, -83.734139, Site Code: TMC_4 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Dhu Varren Road Westbound					Pontiac Trail Northbound					Dhu Varren Road Eastbound					Int				
	R	T	L	U	App Ped*	R	T	L	U	App Ped*	R	T	L	U	App Ped*	R	T	L	U	App Ped*					
2019-11-19 4:45PM	1	19	5	0	25	0	17	0	40	0	57	0	46	92	0	0	138	0	2	0	0	0	2	0	222
5:00PM	0	14	1	0	15	0	12	1	40	0	53	0	48	79	0	0	127	0	0	0	0	0	0	0	195
5:15PM	1	17	4	0	22	0	15	2	51	0	68	0	49	80	0	0	129	0	0	1	1	0	2	0	221
5:30PM	0	13	7	0	20	0	17	2	50	0	69	0	36	52	2	0	90	0	0	0	0	0	0	0	179
Total	2	63	17	0	82	0	61	5	181	0	247	0	179	303	2	0	484	0	2	1	1	0	4	0	817
% Approach	2.4%	76.8%	20.7%	0%	-	-	24.7%	2.0%	73.3%	0%	-	-	37.0%	62.6%	0.4%	0%	-	-	50.0%	25.0%	25.0%	0%	-	-	-
% Total	0.2%	7.7%	2.1%	0%	10.0%	-	7.5%	0.6%	22.2%	0%	30.2%	-	21.9%	37.1%	0.2%	0%	59.2%	-	0.2%	0.1%	0.1%	0%	0.5%	-	-
PHF	0.500	0.829	0.607	-	0.820	-	0.897	0.625	0.887	-	0.895	-	0.913	0.823	0.250	-	0.877	-	0.250	0.250	0.250	-	0.500	-	0.920
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	2	62	17	0	81	-	60	5	178	0	243	-	176	299	2	0	477	-	2	1	1	0	4	-	805
% Lights	100%	98.4%	100%	0%	98.8%	-	98.4%	100%	98.3%	0%	98.4%	-	98.3%	98.7%	100%	0%	98.6%	-	100%	100%	100%	0%	100%	-	98.5%
Single-Unit Trucks	0	1	0	0	1	-	1	0	0	0	1	-	0	3	0	0	3	-	0	0	0	0	0	-	5
% Single-Unit Trucks	0%	1.6%	0%	0%	1.2%	-	1.6%	0%	0%	0%	0.4%	-	0%	1.0%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	0.6%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	0	-	0	0	3	0	3	-	3	1	0	0	4	-	0	0	0	0	0	-	7
% Buses	0%	0%	0%	0%	0%	-	0%	0%	1.7%	0%	1.2%	-	1.7%	0.3%	0%	0%	0.8%	-	0%	0%	0%	0%	0%	-	0.9%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_4 Pontiac Trail & Dhu Varren_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:45 PM - 5:45 PM)

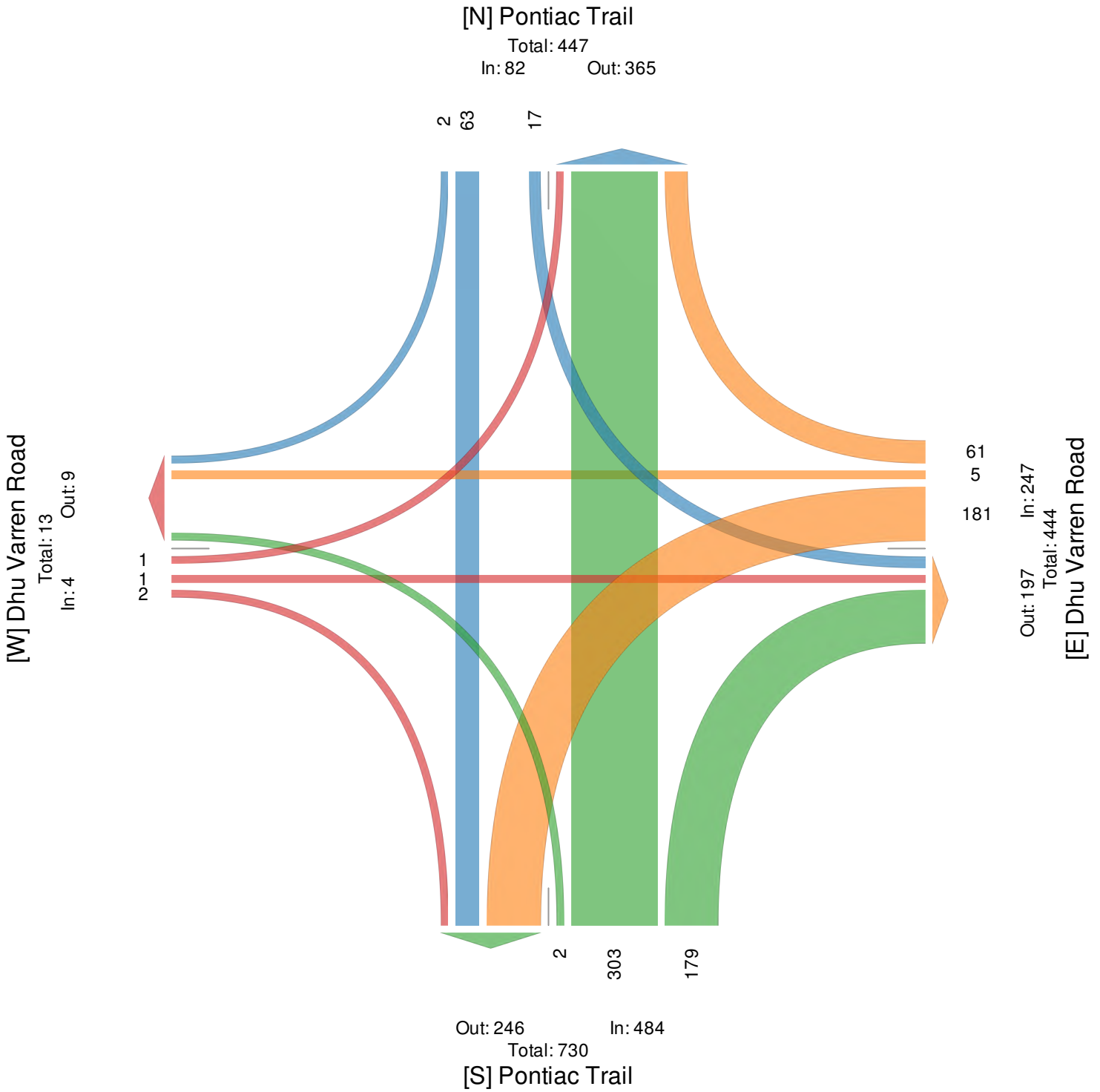
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728500, Location: 42.316173, -83.734139, Site Code: TMC_4 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4G2
 NW

Count Name: TMC_5
 Pontiac Trail & Taylor_11-19-19
 Site Code: TMC_5
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Pontiac Trail Southbound				Taylor Street Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
6:00 AM	58	0	0	58	0	0	2	0	0	7	0	7	65
6:15 AM	85	0	0	85	0	0	0	0	0	7	0	7	92
6:30 AM	95	0	0	95	0	0	1	0	0	12	0	12	107
6:45 AM	108	0	1	108	1	0	1	1	0	16	0	16	125
Hourly Total	346	0	1	346	1	0	4	1	0	42	0	42	389
7:00 AM	124	1	0	125	0	0	0	0	0	18	0	18	143
7:15 AM	153	1	1	154	1	1	2	2	0	39	0	39	195
7:30 AM	170	6	0	176	1	1	4	2	2	52	0	54	232
7:45 AM	165	13	4	178	4	4	0	8	4	47	0	51	237
Hourly Total	612	21	5	633	6	6	6	12	6	156	0	162	807
8:00 AM	157	15	21	172	5	3	3	8	12	30	0	42	222
8:15 AM	188	5	5	193	6	7	2	13	1	36	0	37	243
8:30 AM	167	1	2	168	1	3	0	4	0	28	0	28	200
8:45 AM	127	1	4	128	0	0	0	0	0	30	0	30	158
Hourly Total	639	22	32	661	12	13	5	25	13	124	0	137	823
9:00 AM	87	2	0	89	1	0	0	1	2	29	0	31	121
9:15 AM	74	1	0	75	1	0	0	1	0	26	0	26	102
9:30 AM	69	0	1	69	1	0	0	1	0	32	0	32	102
9:45 AM	51	1	0	52	0	0	0	0	0	31	0	31	83
Hourly Total	281	4	1	285	3	0	0	3	2	118	0	120	408
10:00 AM	47	0	0	47	0	0	0	0	2	28	0	30	77
10:15 AM	49	0	0	49	0	0	0	0	0	32	0	32	81
10:30 AM	38	1	0	39	0	0	0	0	0	27	0	27	66
10:45 AM	39	0	0	39	1	0	0	1	1	29	0	30	70
Hourly Total	173	1	0	174	1	0	0	1	3	116	0	119	294
11:00 AM	37	0	4	37	0	0	0	0	0	40	0	40	77
11:15 AM	50	1	0	51	1	0	1	1	0	43	0	43	95
11:30 AM	45	2	3	47	1	1	0	2	1	37	0	38	87
11:45 AM	40	1	3	41	0	0	0	0	4	33	0	37	78
Hourly Total	172	4	10	176	2	1	1	3	5	153	0	158	337
12:00 PM	38	0	2	38	1	1	1	2	2	42	1	44	84
12:15 PM	31	2	1	33	0	1	1	1	2	40	0	42	76
12:30 PM	43	3	3	46	1	0	0	1	0	41	0	41	88
12:45 PM	39	0	2	39	0	0	2	0	0	44	0	44	83
Hourly Total	151	5	8	156	2	2	4	4	4	167	1	171	331
1:00 PM	49	2	0	51	2	1	0	3	0	47	0	47	101
1:15 PM	37	2	0	39	2	0	0	2	0	32	0	32	73
1:30 PM	39	3	1	42	2	2	0	4	1	38	0	39	85
1:45 PM	29	3	1	32	3	0	2	3	1	48	0	49	84
Hourly Total	154	10	2	164	9	3	2	12	2	165	0	167	343
2:00 PM	33	2	7	35	4	4	0	8	5	55	0	60	103
2:15 PM	37	2	7	39	0	2	0	2	3	69	0	72	113
2:30 PM	45	6	1	51	1	0	0	1	5	84	0	89	141
2:45 PM	48	3	2	51	2	2	0	4	1	74	1	75	130
Hourly Total	163	13	17	176	7	8	0	15	14	282	1	296	487
3:00 PM	43	7	2	50	7	1	0	8	3	99	1	102	160
3:15 PM	57	6	10	63	6	8	3	14	5	98	0	103	180
3:30 PM	39	2	14	41	14	12	6	26	1	143	0	144	211
3:45 PM	39	2	5	41	8	1	3	9	1	90	0	91	141
Hourly Total	178	17	31	195	35	22	12	57	10	430	1	440	692
4:00 PM	41	1	0	42	4	2	0	6	0	115	0	115	163
4:15 PM	34	4	0	38	2	0	1	2	3	168	0	171	211
4:30 PM	49	5	2	54	2	2	2	4	0	157	0	157	215
4:45 PM	46	9	4	55	4	1	1	5	1	190	0	191	251
Hourly Total	170	19	6	189	12	5	4	17	4	630	0	634	840
5:00 PM	49	2	2	51	5	2	3	7	1	126	0	127	185
5:15 PM	68	4	2	72	7	2	1	9	1	127	0	128	209

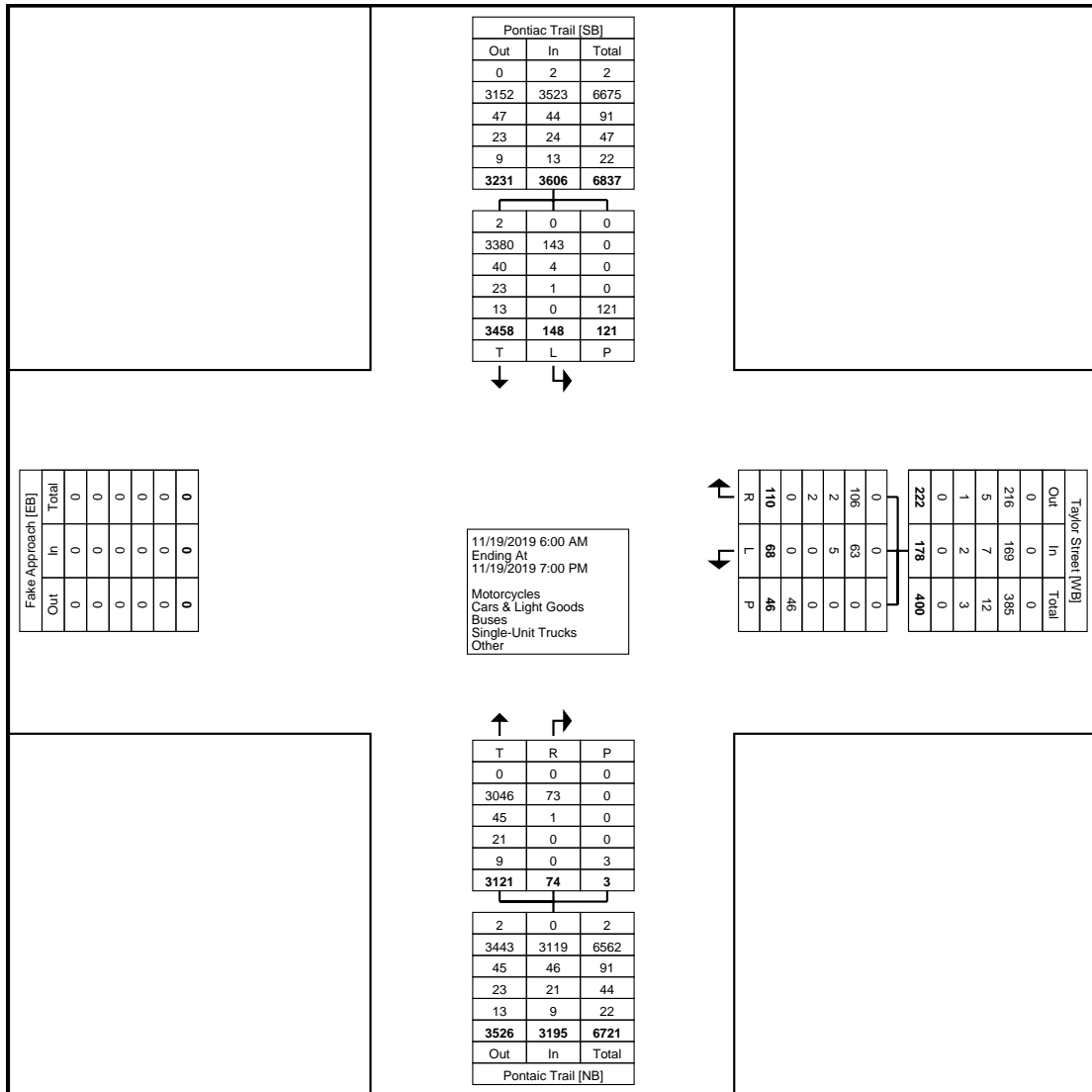
5:30 PM	57	2	1	59	5	3	1	8	2	116	0	118	185
5:45 PM	51	2	1	53	1	0	0	1	0	101	0	101	155
Hourly Total	225	10	6	235	18	7	5	25	4	470	0	474	734
6:00 PM	53	2	0	55	1	1	2	2	2	92	0	94	151
6:15 PM	47	2	0	49	0	0	0	0	1	61	0	62	111
6:30 PM	48	9	2	57	1	0	1	1	4	55	0	59	117
6:45 PM	46	9	0	55	0	0	0	0	0	60	0	60	115
Hourly Total	194	22	2	216	2	1	3	3	7	268	0	275	494
Grand Total	3458	148	121	3606	110	68	46	178	74	3121	3	3195	6979
Approach %	95.9	4.1	-	-	61.8	38.2	-	-	2.3	97.7	-	-	-
Total %	49.5	2.1	-	51.7	1.6	1.0	-	2.6	1.1	44.7	-	45.8	-
Motorcycles	2	0	-	2	0	0	-	0	0	0	-	0	2
% Motorcycles	0.1	0.0	-	0.1	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	3380	143	-	3523	106	63	-	169	73	3046	-	3119	6811
% Cars & Light Goods	97.7	96.6	-	97.7	96.4	92.6	-	94.9	98.6	97.6	-	97.6	97.6
Buses	40	4	-	44	2	5	-	7	1	45	-	46	97
% Buses	1.2	2.7	-	1.2	1.8	7.4	-	3.9	1.4	1.4	-	1.4	1.4
Single-Unit Trucks	23	1	-	24	2	0	-	2	0	21	-	21	47
% Single-Unit Trucks	0.7	0.7	-	0.7	1.8	0.0	-	1.1	0.0	0.7	-	0.7	0.7
Articulated Trucks	3	0	-	3	0	0	-	0	0	2	-	2	5
% Articulated Trucks	0.1	0.0	-	0.1	0.0	0.0	-	0.0	0.0	0.1	-	0.1	0.1
Bicycles on Road	10	0	-	10	0	0	-	0	0	7	-	7	17
% Bicycles on Road	0.3	0.0	-	0.3	0.0	0.0	-	0.0	0.0	0.2	-	0.2	0.2
Bicycles on Crosswalk	-	-	3	-	-	-	5	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	2.5	-	-	-	10.9	-	-	-	0.0	-	-
Pedestrians	-	-	118	-	-	-	41	-	-	-	3	-	-
% Pedestrians	-	-	97.5	-	-	-	89.1	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4G2
 NW

Count Name: TMC_5
 Pontiac Trail & Taylor_11-19-19
 Site Code: TMC_5
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4G2
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_5
 Pontiac Trail & Taylor_11-19-19
 Site Code: TMC_5
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:30 AM)

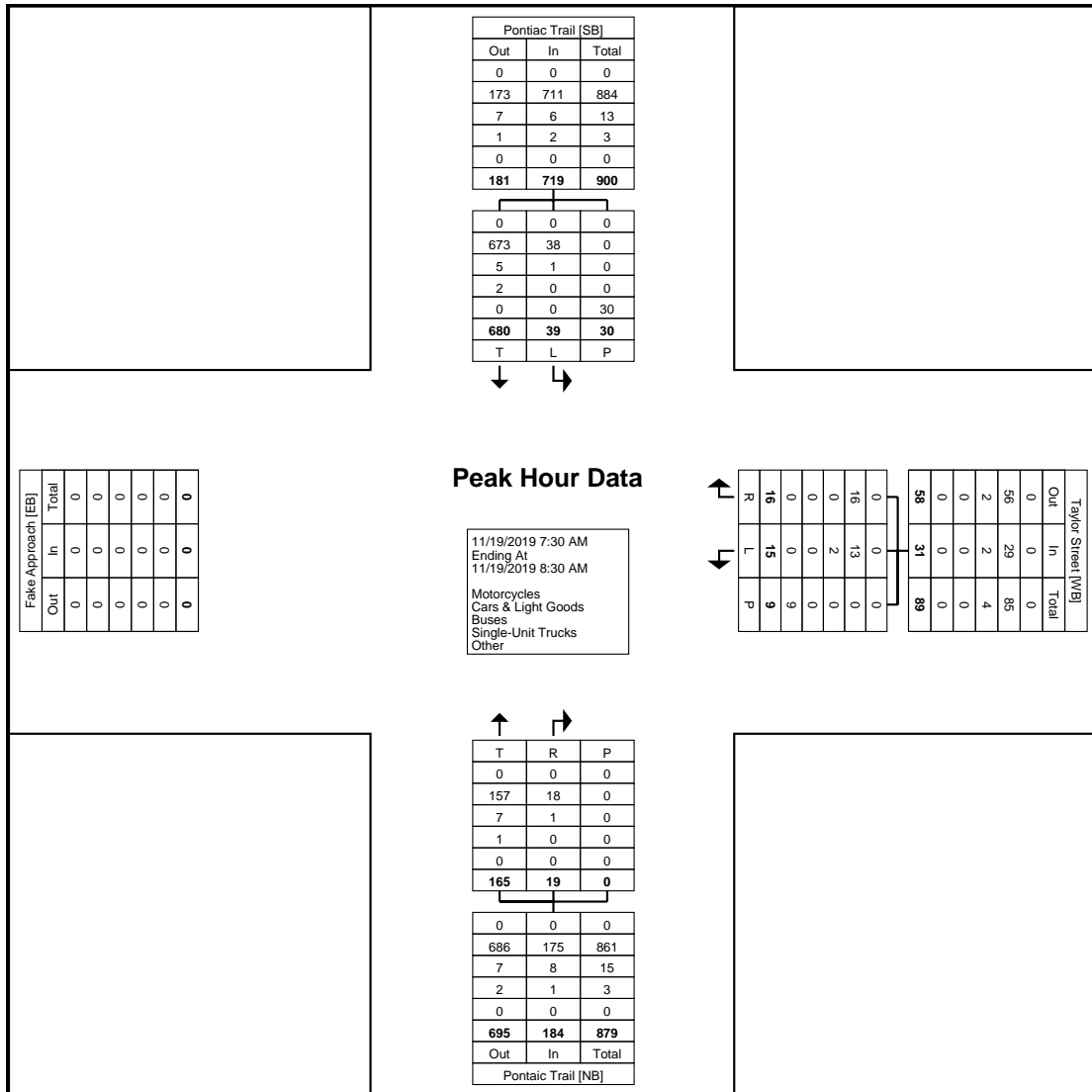
Start Time	Pontiac Trail Southbound				Taylor Street Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
7:30 AM	170	6	0	176	1	1	4	2	2	52	0	54	232
7:45 AM	165	13	4	178	4	4	0	8	4	47	0	51	237
8:00 AM	157	15	21	172	5	3	3	8	12	30	0	42	222
8:15 AM	188	5	5	193	6	7	2	13	1	36	0	37	243
Total	680	39	30	719	16	15	9	31	19	165	0	184	934
Approach %	94.6	5.4	-	-	51.6	48.4	-	-	10.3	89.7	-	-	-
Total %	72.8	4.2	-	77.0	1.7	1.6	-	3.3	2.0	17.7	-	19.7	-
PHF	0.904	0.650	-	0.931	0.667	0.536	-	0.596	0.396	0.793	-	0.852	0.961
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	673	38	-	711	16	13	-	29	18	157	-	175	915
% Cars & Light Goods	99.0	97.4	-	98.9	100.0	86.7	-	93.5	94.7	95.2	-	95.1	98.0
Buses	5	1	-	6	0	2	-	2	1	7	-	8	16
% Buses	0.7	2.6	-	0.8	0.0	13.3	-	6.5	5.3	4.2	-	4.3	1.7
Single-Unit Trucks	2	0	-	2	0	0	-	0	0	1	-	1	3
% Single-Unit Trucks	0.3	0.0	-	0.3	0.0	0.0	-	0.0	0.0	0.6	-	0.5	0.3
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Crosswalk	-	-	2	-	-	-	3	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	6.7	-	-	-	33.3	-	-	-	-	-	-
Pedestrians	-	-	28	-	-	-	6	-	-	-	0	-	-
% Pedestrians	-	-	93.3	-	-	-	66.7	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4G2
 NW

Count Name: TMC_5
 Pontiac Trail & Taylor_11-19-19
 Site Code: TMC_5
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:30 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4G2
 NW

Count Name: TMC_5
 Pontiac Trail & Taylor_11-19-19
 Site Code: TMC_5
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:15 AM)

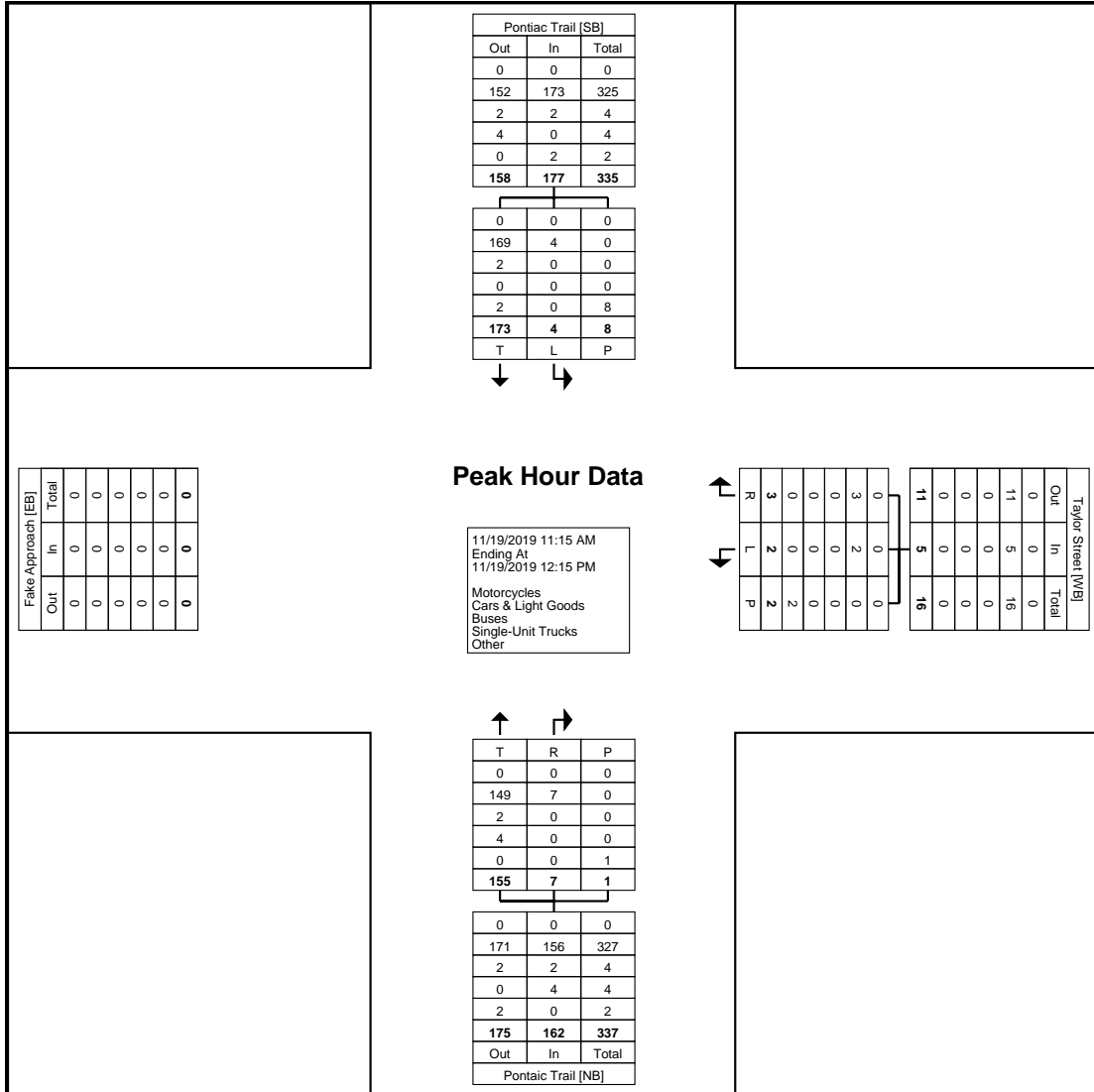
Start Time	Pontiac Trail Southbound				Taylor Street Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
11:15 AM	50	1	0	51	1	0	1	1	0	43	0	43	95
11:30 AM	45	2	3	47	1	1	0	2	1	37	0	38	87
11:45 AM	40	1	3	41	0	0	0	0	4	33	0	37	78
12:00 PM	38	0	2	38	1	1	1	2	2	42	1	44	84
Total	173	4	8	177	3	2	2	5	7	155	1	162	344
Approach %	97.7	2.3	-	-	60.0	40.0	-	-	4.3	95.7	-	-	-
Total %	50.3	1.2	-	51.5	0.9	0.6	-	1.5	2.0	45.1	-	47.1	-
PHF	0.865	0.500	-	0.868	0.750	0.500	-	0.625	0.438	0.901	-	0.920	0.905
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	169	4	-	173	3	2	-	5	7	149	-	156	334
% Cars & Light Goods	97.7	100.0	-	97.7	100.0	100.0	-	100.0	100.0	96.1	-	96.3	97.1
Buses	2	0	-	2	0	0	-	0	0	2	-	2	4
% Buses	1.2	0.0	-	1.1	0.0	0.0	-	0.0	0.0	1.3	-	1.2	1.2
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	4	-	4	4
% Single-Unit Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	2.6	-	2.5	1.2
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	2	0	-	2	0	0	-	0	0	0	-	0	2
% Bicycles on Road	1.2	0.0	-	1.1	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.6
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	0.0	-	-
Pedestrians	-	-	8	-	-	-	2	-	-	-	1	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	100.0	-	-



Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4G2
 NW

Count Name: TMC_5
 Pontiac Trail & Taylor_11-19-19
 Site Code: TMC_5
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4G2
 NW

Count Name: TMC_5
 Pontiac Trail & Taylor_11-19-19
 Site Code: TMC_5
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:15 PM)

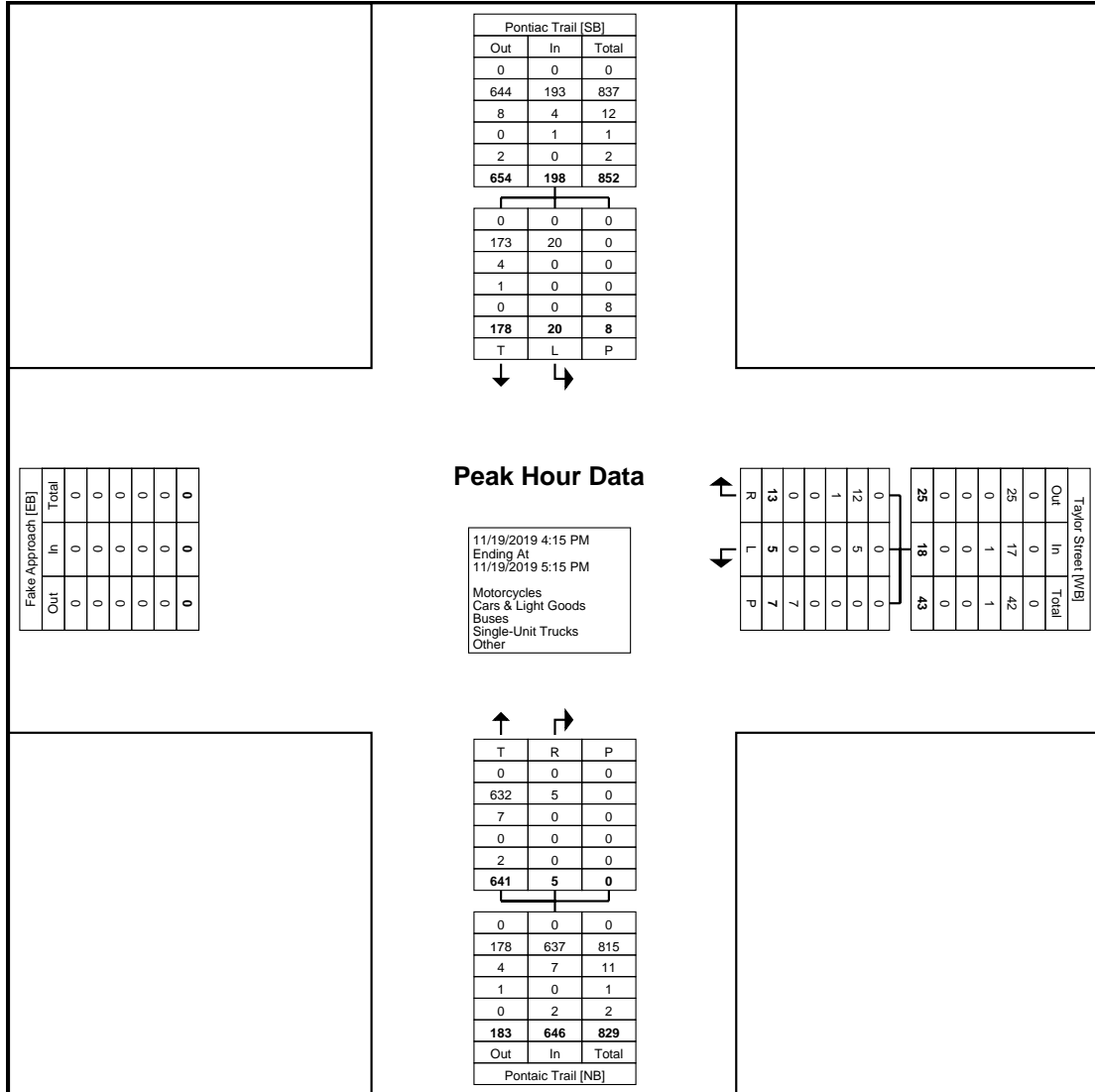
Start Time	Pontiac Trail Southbound				Taylor Street Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
4:15 PM	34	4	0	38	2	0	1	2	3	168	0	171	211
4:30 PM	49	5	2	54	2	2	2	4	0	157	0	157	215
4:45 PM	46	9	4	55	4	1	1	5	1	190	0	191	251
5:00 PM	49	2	2	51	5	2	3	7	1	126	0	127	185
Total	178	20	8	198	13	5	7	18	5	641	0	646	862
Approach %	89.9	10.1	-	-	72.2	27.8	-	-	0.8	99.2	-	-	-
Total %	20.6	2.3	-	23.0	1.5	0.6	-	2.1	0.6	74.4	-	74.9	-
PHF	0.908	0.556	-	0.900	0.650	0.625	-	0.643	0.417	0.843	-	0.846	0.859
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	173	20	-	193	12	5	-	17	5	632	-	637	847
% Cars & Light Goods	97.2	100.0	-	97.5	92.3	100.0	-	94.4	100.0	98.6	-	98.6	98.3
Buses	4	0	-	4	1	0	-	1	0	7	-	7	12
% Buses	2.2	0.0	-	2.0	7.7	0.0	-	5.6	0.0	1.1	-	1.1	1.4
Single-Unit Trucks	1	0	-	1	0	0	-	0	0	0	-	0	1
% Single-Unit Trucks	0.6	0.0	-	0.5	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.1
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	2	-	2	2
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.3	-	0.3	0.2
Bicycles on Crosswalk	-	-	1	-	-	-	1	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	12.5	-	-	-	14.3	-	-	-	-	-	-
Pedestrians	-	-	7	-	-	-	6	-	-	-	0	-	-
% Pedestrians	-	-	87.5	-	-	-	85.7	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4G2
 NW

Count Name: TMC_5
 Pontiac Trail & Taylor_11-19-19
 Site Code: TMC_5
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:15 PM)



Project: Lower Town Area
Mobility Study
Corridor: Pontiac Trail
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU4G2
NW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_5
Pontiac Trail & Taylor_11-
19-19
Site Code: TMC_5
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized "T" intersection, Taylor St. is stop controlled for Pontiac Trail at their intersection. VCU camera was located within NW intersection quadrant. Northwest Elementary School is located within NE quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_5 Pontiac Trail & Taylor_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728502, Location: 42.297876, -83.736763, Site Code: TMC_5 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Taylor Street Westbound					Pontiac Trail Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
2019-11-19 6:00AM	58	0	0	58	0	0	0	0	0	2	0	7	0	7	0	65
6:15AM	85	0	0	85	0	0	0	0	0	0	0	7	0	7	0	92
6:30AM	95	0	0	95	0	0	0	0	0	1	0	12	0	12	0	107
6:45AM	108	0	0	108	1	1	0	0	1	1	0	16	0	16	0	125
Hourly Total	346	0	0	346	1	1	0	0	1	4	0	42	0	42	0	389
7:00AM	124	1	0	125	0	0	0	0	0	0	0	18	0	18	0	143
7:15AM	153	1	0	154	1	1	1	0	2	2	0	39	0	39	0	195
7:30AM	170	6	0	176	0	1	1	0	2	4	2	52	0	54	0	232
7:45AM	165	13	0	178	4	4	4	0	8	0	4	47	0	51	0	237
Hourly Total	612	21	0	633	5	6	6	0	12	6	6	156	0	162	0	807
8:00AM	157	15	0	172	21	5	3	0	8	3	12	30	0	42	0	222
8:15AM	188	5	0	193	5	6	7	0	13	2	1	36	0	37	0	243
8:30AM	167	1	0	168	2	1	2	1	4	0	0	28	0	28	0	200
8:45AM	127	1	0	128	4	0	0	0	0	0	0	30	0	30	0	158
Hourly Total	639	22	0	661	32	12	12	1	25	5	13	124	0	137	0	823
9:00AM	87	2	0	89	0	1	0	0	1	0	2	29	0	31	0	121
9:15AM	74	1	0	75	0	1	0	0	1	0	0	26	0	26	0	102
9:30AM	69	0	0	69	1	1	0	0	1	0	0	32	0	32	0	102
9:45AM	51	1	0	52	0	0	0	0	0	0	0	31	0	31	0	83
Hourly Total	281	4	0	285	1	3	0	0	3	0	2	118	0	120	0	408
10:00AM	47	0	0	47	0	0	0	0	0	0	2	28	0	30	0	77
10:15AM	49	0	0	49	0	0	0	0	0	0	0	32	0	32	0	81
10:30AM	38	1	0	39	0	0	0	0	0	0	0	27	0	27	0	66
10:45AM	39	0	0	39	0	1	0	0	1	0	1	29	0	30	0	70
Hourly Total	173	1	0	174	0	1	0	0	1	0	3	116	0	119	0	294
11:00AM	37	0	0	37	4	0	0	0	0	0	0	40	0	40	0	77
11:15AM	50	1	0	51	0	1	0	0	1	1	0	43	0	43	0	95
11:30AM	45	2	0	47	3	1	1	0	2	0	1	37	0	38	0	87
11:45AM	40	1	0	41	3	0	0	0	0	0	4	33	0	37	0	78
Hourly Total	172	4	0	176	10	2	1	0	3	1	5	153	0	158	0	337
12:00PM	38	0	0	38	2	1	1	0	2	1	2	42	0	44	1	84
12:15PM	31	2	0	33	1	0	1	0	1	1	2	40	0	42	0	76
12:30PM	43	3	0	46	3	1	0	0	1	0	0	41	0	41	0	88
12:45PM	39	0	0	39	2	0	0	0	0	2	0	44	0	44	0	83
Hourly Total	151	5	0	156	8	2	2	0	4	4	4	167	0	171	1	331
1:00PM	49	2	0	51	0	2	1	0	3	0	0	47	0	47	0	101
1:15PM	37	2	0	39	0	2	0	0	2	0	0	32	0	32	0	73
1:30PM	39	3	0	42	1	2	2	0	4	0	1	38	0	39	0	85
1:45PM	29	3	0	32	1	3	0	0	3	2	1	48	0	49	0	84
Hourly Total	154	10	0	164	2	9	3	0	12	2	2	165	0	167	0	343
2:00PM	33	2	0	35	7	4	4	0	8	0	5	55	0	60	0	103
2:15PM	37	2	0	39	7	0	2	0	2	0	3	69	0	72	0	113
2:30PM	45	6	0	51	1	1	0	0	1	0	5	84	0	89	0	141
2:45PM	48	3	0	51	2	2	2	0	4	0	1	74	0	75	1	130
Hourly Total	163	13	0	176	17	7	8	0	15	0	14	282	0	296	1	487
3:00PM	43	7	0	50	2	7	1	0	8	0	3	99	0	102	1	160
3:15PM	57	6	0	63	10	6	8	0	14	3	5	98	0	103	0	180
3:30PM	39	2	0	41	14	14	12	0	26	6	1	143	0	144	0	211
3:45PM	39	2	0	41	5	8	1	0	9	3	1	90	0	91	0	141
Hourly Total	178	17	0	195	31	35	22	0	57	12	10	430	0	440	1	692
4:00PM	41	1	0	42	0	4	2	0	6	0	0	115	0	115	0	163
4:15PM	34	4	0	38	0	2	0	0	2	1	3	168	0	171	0	211

Leg Direction	Pontiac Trail Southbound					Taylor Street Westbound					Pontiac Trail Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
4:30PM	49	5	0	54	2	2	2	0	4	2	0	157	0	157	0	215
4:45PM	46	9	0	55	4	4	1	0	5	1	1	190	0	191	0	251
Hourly Total	170	19	0	189	6	12	5	0	17	4	4	630	0	634	0	840
5:00PM	49	2	0	51	2	5	2	0	7	3	1	126	0	127	0	185
5:15PM	68	4	0	72	2	7	2	0	9	1	1	127	0	128	0	209
5:30PM	57	2	0	59	1	5	3	0	8	1	2	116	0	118	0	185
5:45PM	51	2	0	53	1	1	0	0	1	0	0	101	0	101	0	155
Hourly Total	225	10	0	235	6	18	7	0	25	5	4	470	0	474	0	734
6:00PM	53	2	0	55	0	1	1	0	2	2	2	92	0	94	0	151
6:15PM	47	2	0	49	0	0	0	0	0	0	1	61	0	62	0	111
6:30PM	48	9	0	57	2	1	0	0	1	1	4	55	0	59	0	117
6:45PM	46	9	0	55	0	0	0	0	0	0	0	60	0	60	0	115
Hourly Total	194	22	0	216	2	2	1	0	3	3	7	268	0	275	0	494
Total	3458	148	0	3606	121	110	67	1	178	46	74	3121	0	3195	3	6979
% Approach	95.9%	4.1%	0%	-	-	61.8%	37.6%	0.6%	-	-	2.3%	97.7%	0%	-	-	-
% Total	49.5%	2.1%	0%	51.7%	-	1.6%	1.0%	0%	2.6%	-	1.1%	44.7%	0%	45.8%	-	-
Motorcycles	2	0	0	2	-	0	0	0	0	-	0	0	0	0	-	2
% Motorcycles	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	3380	143	0	3523	-	106	62	1	169	-	73	3046	0	3119	-	6811
% Lights	97.7%	96.6%	0%	97.7%	-	96.4%	92.5%	100%	94.9%	-	98.6%	97.6%	0%	97.6%	-	97.6%
Single-Unit Trucks	23	1	0	24	-	2	0	0	2	-	0	21	0	21	-	47
% Single-Unit Trucks	0.7%	0.7%	0%	0.7%	-	1.8%	0%	0%	1.1%	-	0%	0.7%	0%	0.7%	-	0.7%
Articulated Trucks	3	0	0	3	-	0	0	0	0	-	0	2	0	2	-	5
% Articulated Trucks	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0%	0.1%	0%	0.1%	-	0.1%
Buses	40	4	0	44	-	2	5	0	7	-	1	45	0	46	-	97
% Buses	1.2%	2.7%	0%	1.2%	-	1.8%	7.5%	0%	3.9%	-	1.4%	1.4%	0%	1.4%	-	1.4%
Bicycles on Road	10	0	0	10	-	0	0	0	0	-	0	7	0	7	-	17
% Bicycles on Road	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	0%	0.2%	0%	0.2%	-	0.2%
Pedestrians	-	-	-	-	118	-	-	-	-	41	-	-	-	-	3	-
% Pedestrians	-	-	-	-	97.5%	-	-	-	-	89.1%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	3	-	-	-	-	5	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	2.5%	-	-	-	-	10.9%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_5 Pontiac Trail & Taylor_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

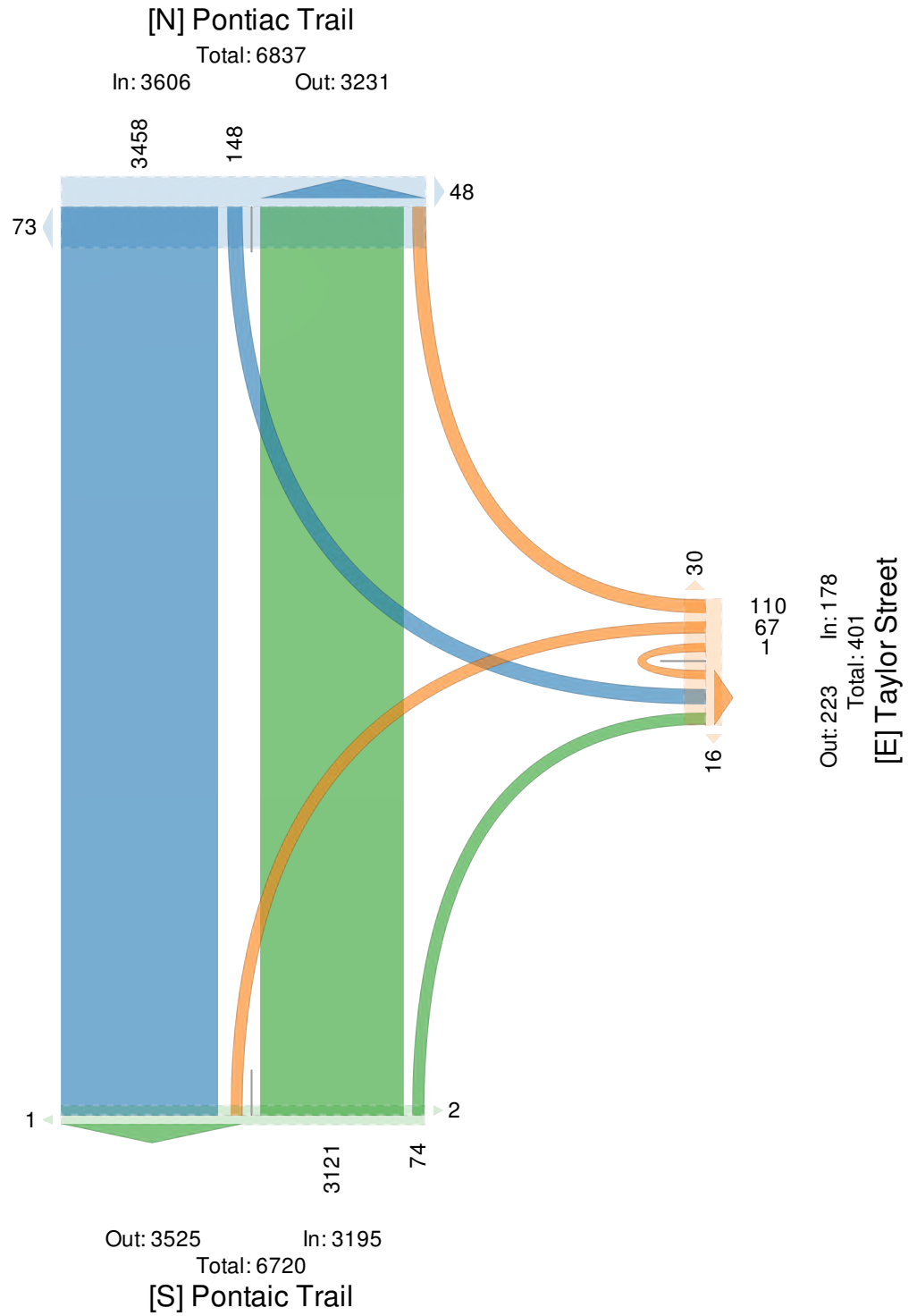
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728502, Location: 42.297876, -83.736763, Site Code: TMC_5 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_5 Pontiac Trail & Taylor_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728502, Location: 42.297876, -83.736763, Site Code: TMC_5 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Taylor Street Westbound					Pontiac Trail Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 7:30AM	170	6	0	176	0	1	1	0	2	4	2	52	0	54	0	232
7:45AM	165	13	0	178	4	4	4	0	8	0	4	47	0	51	0	237
8:00AM	157	15	0	172	21	5	3	0	8	3	12	30	0	42	0	222
8:15AM	188	5	0	193	5	6	7	0	13	2	1	36	0	37	0	243
Total	680	39	0	719	30	16	15	0	31	9	19	165	0	184	0	934
% Approach	94.6%	5.4%	0%	-	-	51.6%	48.4%	0%	-	-	10.3%	89.7%	0%	-	-	-
% Total	72.8%	4.2%	0%	77.0%	-	1.7%	1.6%	0%	3.3%	-	2.0%	17.7%	0%	19.7%	-	-
PHF	0.904	0.650	-	0.931	-	0.667	0.536	-	0.596	-	0.396	0.793	-	0.852	-	0.961
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	673	38	0	711	-	16	13	0	29	-	18	157	0	175	-	915
% Lights	99.0%	97.4%	0%	98.9%	-	100%	86.7%	0%	93.5%	-	94.7%	95.2%	0%	95.1%	-	98.0%
Single-Unit Trucks	2	0	0	2	-	0	0	0	0	-	0	1	0	1	-	3
% Single-Unit Trucks	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	0%	0.6%	0%	0.5%	-	0.3%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	5	1	0	6	-	0	2	0	2	-	1	7	0	8	-	16
% Buses	0.7%	2.6%	0%	0.8%	-	0%	13.3%	0%	6.5%	-	5.3%	4.2%	0%	4.3%	-	1.7%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	28	-	-	-	-	6	-	-	-	-	0	-
% Pedestrians	-	-	-	-	93.3%	-	-	-	-	66.7%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	2	-	-	-	-	3	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	6.7%	-	-	-	-	33.3%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_5 Pontiac Trail & Taylor_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

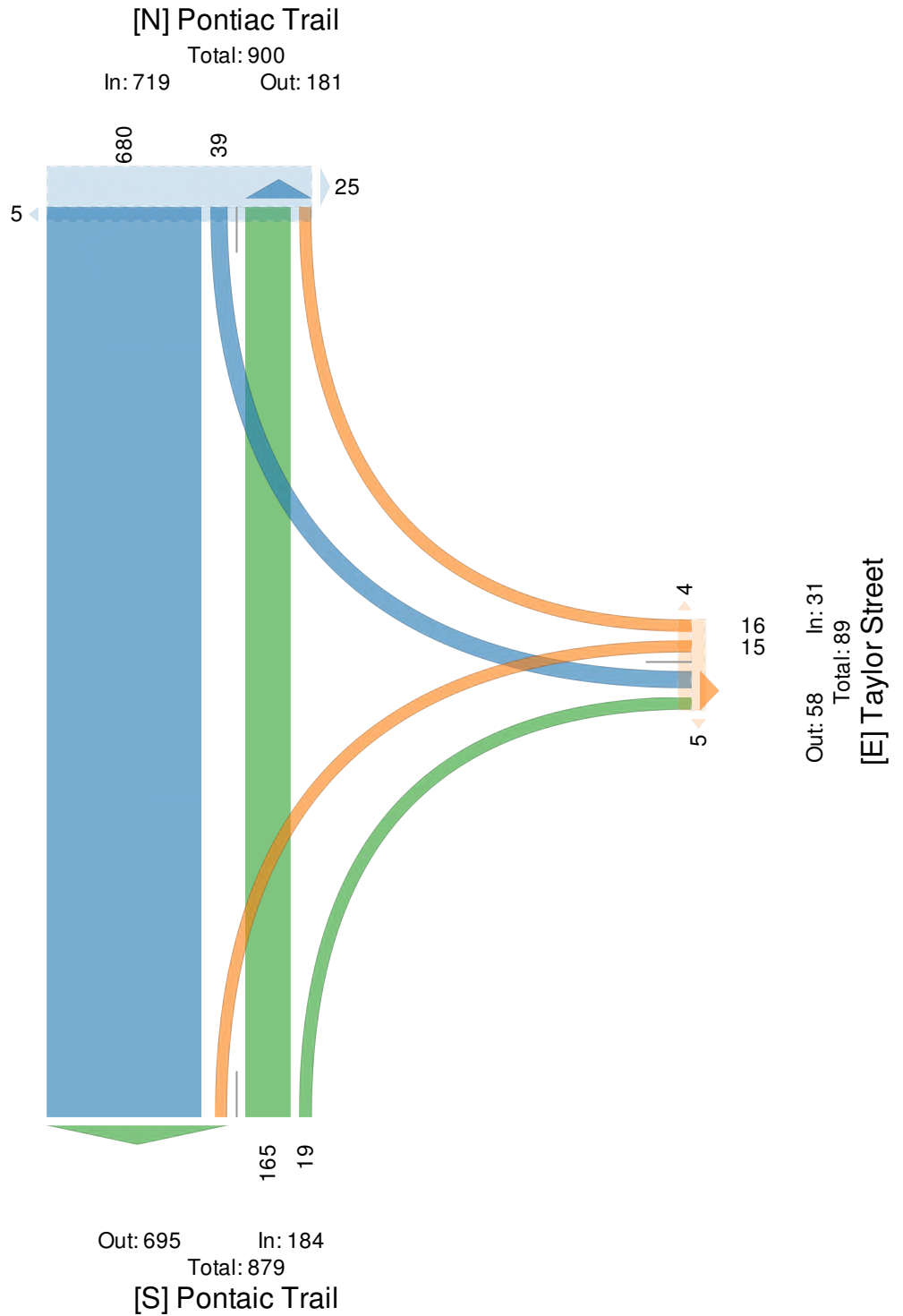
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728502, Location: 42.297876, -83.736763, Site Code: TMC_5 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_5 Pontiac Trail & Taylor_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728502, Location: 42.297876, -83.736763, Site Code: TMC_5 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Taylor Street Westbound					Pontiac Trail Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 11:15AM	50	1	0	51	0	1	0	0	1	1	0	43	0	43	0	95
11:30AM	45	2	0	47	3	1	1	0	2	0	1	37	0	38	0	87
11:45AM	40	1	0	41	3	0	0	0	0	0	4	33	0	37	0	78
12:00PM	38	0	0	38	2	1	1	0	2	1	2	42	0	44	1	84
Total	173	4	0	177	8	3	2	0	5	2	7	155	0	162	1	344
% Approach	97.7%	2.3%	0%	-	-	60.0%	40.0%	0%	-	-	4.3%	95.7%	0%	-	-	-
% Total	50.3%	1.2%	0%	51.5%	-	0.9%	0.6%	0%	1.5%	-	2.0%	45.1%	0%	47.1%	-	-
PHF	0.872	0.500	-	0.875	-	0.750	0.500	-	0.625	-	0.438	0.901	-	0.920	-	0.910
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	169	4	0	173	-	3	2	0	5	-	7	149	0	156	-	334
% Lights	97.7%	100%	0%	97.7%	-	100%	100%	0%	100%	-	100%	96.1%	0%	96.3%	-	97.1%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	4	0	4	-	4
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	2.6%	0%	2.5%	-	1.2%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	2	0	0	2	-	0	0	0	0	-	0	2	0	2	-	4
% Buses	1.2%	0%	0%	1.1%	-	0%	0%	0%	0%	-	0%	1.3%	0%	1.2%	-	1.2%
Bicycles on Road	2	0	0	2	-	0	0	0	0	-	0	0	0	0	-	2
% Bicycles on Road	1.2%	0%	0%	1.1%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.6%
Pedestrians	-	-	-	-	8	-	-	-	-	2	-	-	-	-	1	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_5 Pontiac Trail & Taylor_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

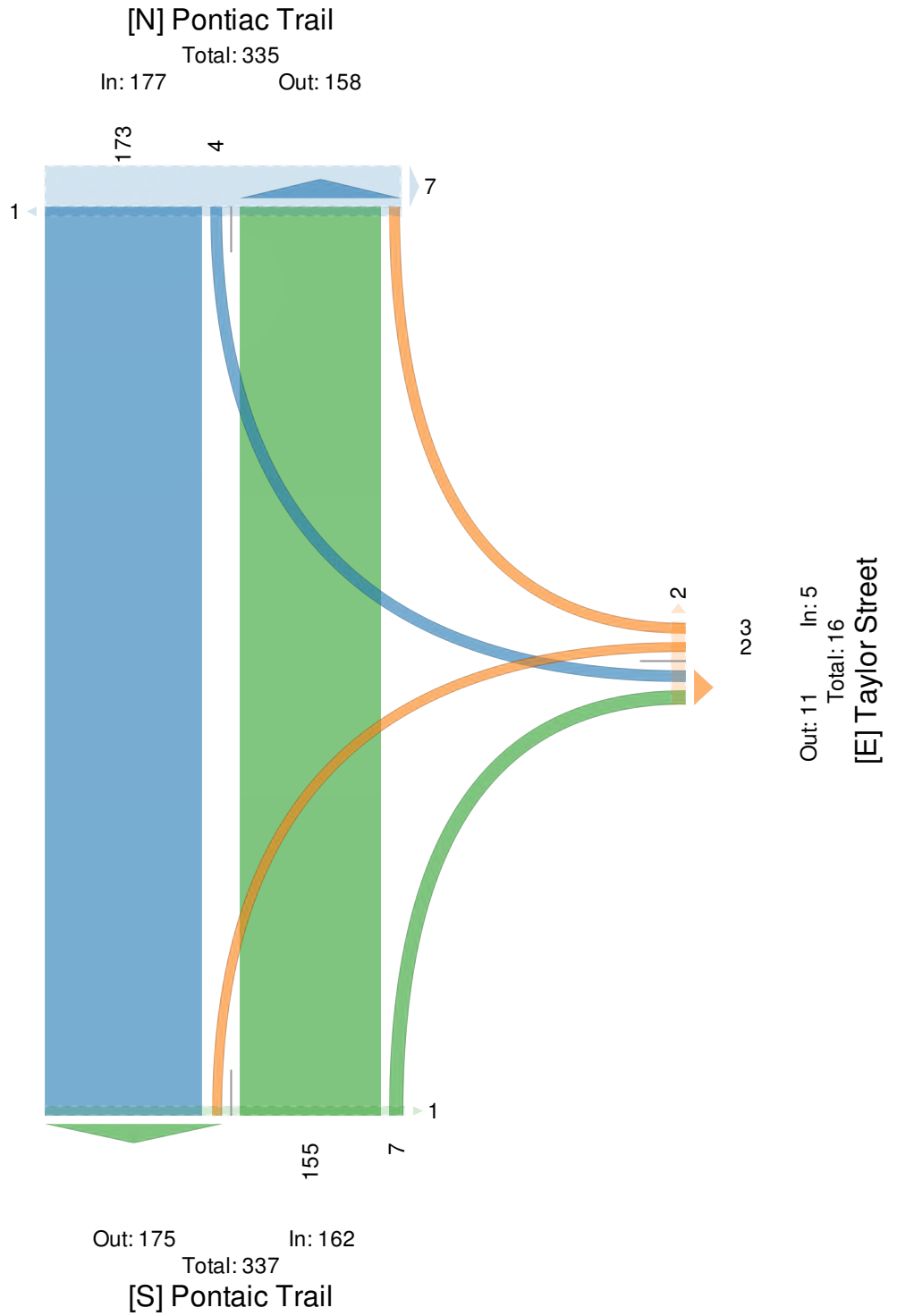
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728502, Location: 42.297876, -83.736763, Site Code: TMC_5 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_5 Pontiac Trail & Taylor_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:15 PM - 5:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728502, Location: 42.297876, -83.736763, Site Code: TMC_5 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Taylor Street Westbound					Pontiac Trail Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 4:15PM	34	4	0	38	0	2	0	0	2	1	3	168	0	171	0	211
4:30PM	49	5	0	54	2	2	2	0	4	2	0	157	0	157	0	215
4:45PM	46	9	0	55	4	4	1	0	5	1	1	190	0	191	0	251
5:00PM	49	2	0	51	2	5	2	0	7	3	1	126	0	127	0	185
Total	178	20	0	198	8	13	5	0	18	7	5	641	0	646	0	862
% Approach	89.9%	10.1%	0%	-	-	72.2%	27.8%	0%	-	-	0.8%	99.2%	0%	-	-	-
% Total	20.6%	2.3%	0%	23.0%	-	1.5%	0.6%	0%	2.1%	-	0.6%	74.4%	0%	74.9%	-	-
PHF	0.908	0.556	-	0.900	-	0.650	0.625	-	0.643	-	0.417	0.845	-	0.847	-	0.860
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	173	20	0	193	-	12	5	0	17	-	5	632	0	637	-	847
% Lights	97.2%	100%	0%	97.5%	-	92.3%	100%	0%	94.4%	-	100%	98.6%	0%	98.6%	-	98.3%
Single-Unit Trucks	1	0	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Single-Unit Trucks	0.6%	0%	0%	0.5%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	4	0	0	4	-	1	0	0	1	-	0	7	0	7	-	12
% Buses	2.2%	0%	0%	2.0%	-	7.7%	0%	0%	5.6%	-	0%	1.1%	0%	1.1%	-	1.4%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	2	0	2	-	2
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.3%	0%	0.3%	-	0.2%
Pedestrians	-	-	-	-	7	-	-	-	-	6	-	-	-	-	0	-
% Pedestrians	-	-	-	-	87.5%	-	-	-	-	85.7%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	1	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	12.5%	-	-	-	-	14.3%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_5 Pontiac Trail & Taylor_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:15 PM - 5:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728502, Location: 42.297876, -83.736763, Site Code: TMC_5 Traffic Data Collection, LLC

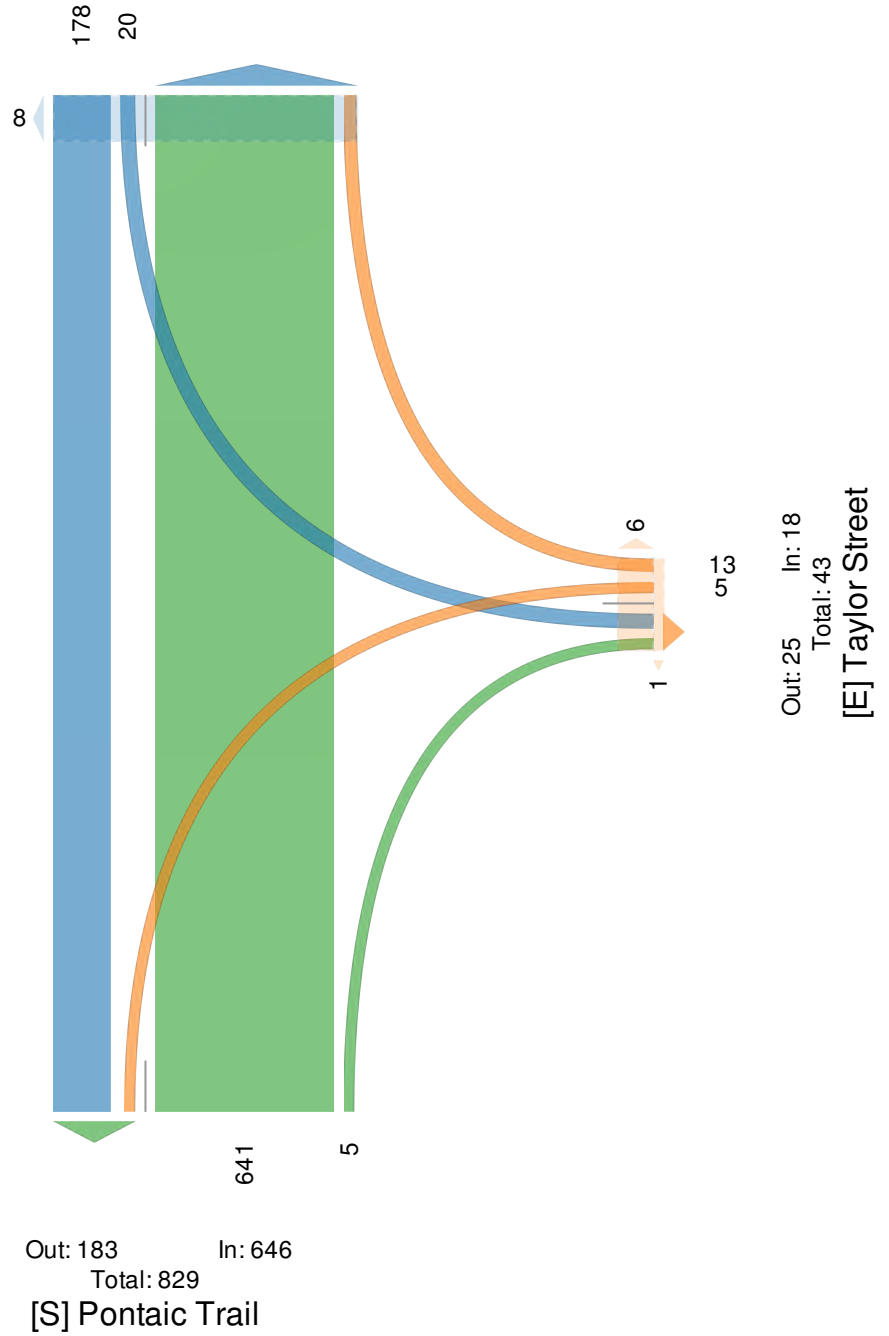


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Pontiac Trail

Total: 852

In: 198 Out: 654





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3HT
 SE

Count Name: TMC_6
 Pontiac Trail & John A
 Woods_11-19-19
 Site Code: TMC_6
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Pontiac Trail Southbound				John A Woods Drive Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
6:00 AM	56	0	0	56	0	1	2	1	0	7	0	7	64
6:15 AM	89	0	0	89	0	0	0	0	2	7	0	9	98
6:30 AM	95	0	0	95	0	0	0	0	1	12	0	13	108
6:45 AM	104	0	0	104	0	3	1	3	1	16	0	17	124
Hourly Total	344	0	0	344	0	4	3	4	4	42	0	46	394
7:00 AM	126	1	0	127	0	0	0	0	1	18	0	19	146
7:15 AM	164	1	0	165	1	0	2	1	1	38	0	39	205
7:30 AM	188	2	0	190	1	2	3	3	3	55	0	58	251
7:45 AM	182	4	0	186	2	6	0	8	2	46	0	48	242
Hourly Total	660	8	0	668	4	8	5	12	7	157	0	164	844
8:00 AM	170	10	0	180	6	8	3	14	7	29	0	36	230
8:15 AM	209	5	0	214	6	6	2	12	1	32	0	33	259
8:30 AM	173	0	0	173	3	2	3	5	2	24	0	26	204
8:45 AM	130	6	0	136	0	3	0	3	1	32	0	33	172
Hourly Total	682	21	0	703	15	19	8	34	11	117	0	128	865
9:00 AM	87	0	0	87	2	5	0	7	0	30	0	30	124
9:15 AM	75	0	0	75	0	0	3	0	2	25	0	27	102
9:30 AM	73	1	0	74	2	3	0	5	3	30	0	33	112
9:45 AM	53	1	0	54	2	1	0	3	2	29	0	31	88
Hourly Total	288	2	0	290	6	9	3	15	7	114	0	121	426
10:00 AM	47	0	0	47	0	0	0	0	0	30	0	30	77
10:15 AM	52	0	0	52	0	2	0	2	0	32	0	32	86
10:30 AM	41	0	0	41	1	0	0	1	0	27	0	27	69
10:45 AM	39	1	0	40	1	1	0	2	1	30	0	31	73
Hourly Total	179	1	0	180	2	3	0	5	1	119	0	120	305
11:00 AM	40	0	0	40	2	1	0	3	0	41	0	41	84
11:15 AM	50	1	0	51	0	0	0	0	0	45	0	45	96
11:30 AM	46	1	0	47	0	1	1	1	1	39	0	40	88
11:45 AM	40	0	0	40	0	2	0	2	3	37	0	40	82
Hourly Total	176	2	0	178	2	4	1	6	4	162	0	166	350
12:00 PM	36	1	0	37	0	0	0	0	0	43	0	43	80
12:15 PM	35	0	0	35	0	1	0	1	1	42	0	43	79
12:30 PM	43	3	0	46	2	0	0	2	1	41	0	42	90
12:45 PM	40	0	0	40	1	0	2	1	0	44	0	44	85
Hourly Total	154	4	0	158	3	1	2	4	2	170	0	172	334
1:00 PM	49	0	0	49	0	1	0	1	1	47	0	48	98
1:15 PM	33	0	0	33	0	1	1	1	0	31	0	31	65
1:30 PM	40	0	0	40	1	0	2	1	0	37	0	37	78
1:45 PM	30	0	0	30	1	2	1	3	0	46	0	46	79
Hourly Total	152	0	0	152	2	4	4	6	1	161	0	162	320
2:00 PM	38	0	0	38	2	1	0	3	0	58	0	58	99
2:15 PM	35	1	0	36	0	2	0	2	0	75	0	75	113
2:30 PM	49	0	0	49	2	0	0	2	0	85	0	85	136
2:45 PM	52	0	0	52	0	0	0	0	2	74	0	76	128
Hourly Total	174	1	0	175	4	3	0	7	2	292	0	294	476
3:00 PM	44	2	0	46	3	3	0	6	0	100	0	100	152
3:15 PM	64	6	0	70	9	3	3	12	0	108	0	108	190
3:30 PM	53	2	0	55	13	15	2	28	0	126	0	126	209
3:45 PM	41	1	0	42	3	5	2	8	0	91	0	91	141
Hourly Total	202	11	0	213	28	26	7	54	0	425	0	425	692
4:00 PM	44	1	0	45	4	0	1	4	1	115	0	116	165
4:15 PM	37	0	0	37	1	2	1	3	1	171	0	172	212
4:30 PM	53	0	0	53	1	1	2	2	2	158	0	160	215
4:45 PM	50	0	0	50	3	3	1	6	0	185	0	185	241
Hourly Total	184	1	0	185	9	6	5	15	4	629	0	633	833
5:00 PM	49	2	0	51	2	3	2	5	3	128	0	131	187
5:15 PM	72	1	0	73	1	2	1	3	1	130	0	131	207

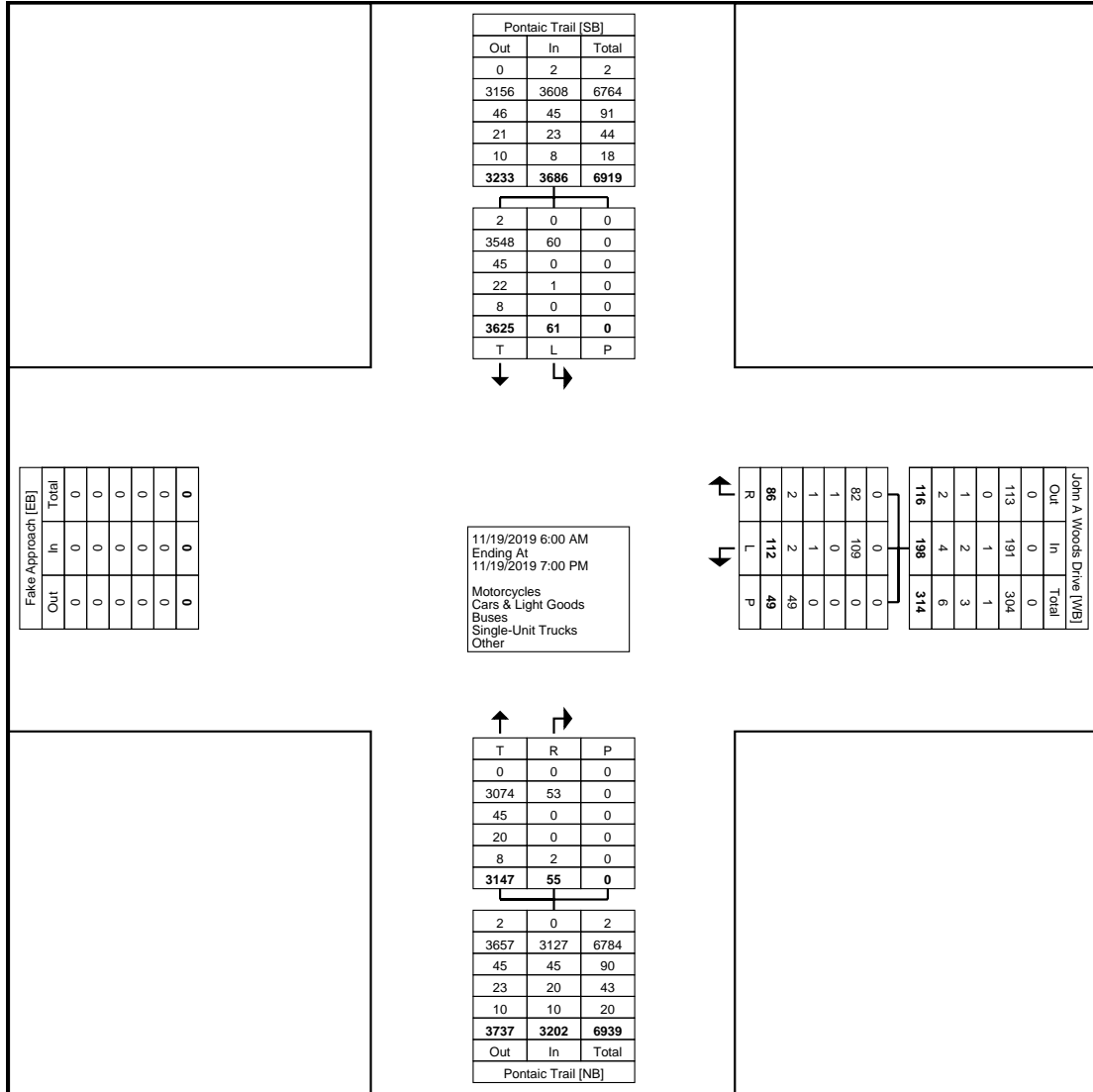
5:30 PM	62	1	0	63	0	8	3	8	2	120	0	122	193
5:45 PM	52	2	0	54	1	3	0	4	2	99	0	101	159
Hourly Total	235	6	0	241	4	16	6	20	8	477	0	485	746
6:00 PM	54	0	0	54	1	4	4	5	0	99	0	99	158
6:15 PM	48	0	0	48	2	2	0	4	2	68	0	70	122
6:30 PM	50	2	0	52	1	0	1	1	0	54	0	54	107
6:45 PM	43	2	0	45	3	3	0	6	2	61	0	63	114
Hourly Total	195	4	0	199	7	9	5	16	4	282	0	286	501
Grand Total	3625	61	0	3686	86	112	49	198	55	3147	0	3202	7086
Approach %	98.3	1.7	-	-	43.4	56.6	-	-	1.7	98.3	-	-	-
Total %	51.2	0.9	-	52.0	1.2	1.6	-	2.8	0.8	44.4	-	45.2	-
Motorcycles	2	0	-	2	0	0	-	0	0	0	-	0	2
% Motorcycles	0.1	0.0	-	0.1	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	3548	60	-	3608	82	109	-	191	53	3074	-	3127	6926
% Cars & Light Goods	97.9	98.4	-	97.9	95.3	97.3	-	96.5	96.4	97.7	-	97.7	97.7
Buses	45	0	-	45	1	0	-	1	0	45	-	45	91
% Buses	1.2	0.0	-	1.2	1.2	0.0	-	0.5	0.0	1.4	-	1.4	1.3
Single-Unit Trucks	22	1	-	23	1	1	-	2	0	20	-	20	45
% Single-Unit Trucks	0.6	1.6	-	0.6	1.2	0.9	-	1.0	0.0	0.6	-	0.6	0.6
Articulated Trucks	2	0	-	2	0	0	-	0	0	3	-	3	5
% Articulated Trucks	0.1	0.0	-	0.1	0.0	0.0	-	0.0	0.0	0.1	-	0.1	0.1
Bicycles on Road	6	0	-	6	2	2	-	4	2	5	-	7	17
% Bicycles on Road	0.2	0.0	-	0.2	2.3	1.8	-	2.0	3.6	0.2	-	0.2	0.2
Bicycles on Crosswalk	-	-	0	-	-	-	4	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	8.2	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	45	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	91.8	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3HT
 SE

Count Name: TMC_6
 Pontiac Trail & John A
 Woods_11-19-19
 Site Code: TMC_6
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3HT
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_6
 Pontiac Trail & John A
 Woods_11-19-19
 Site Code: TMC_6
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:30 AM)

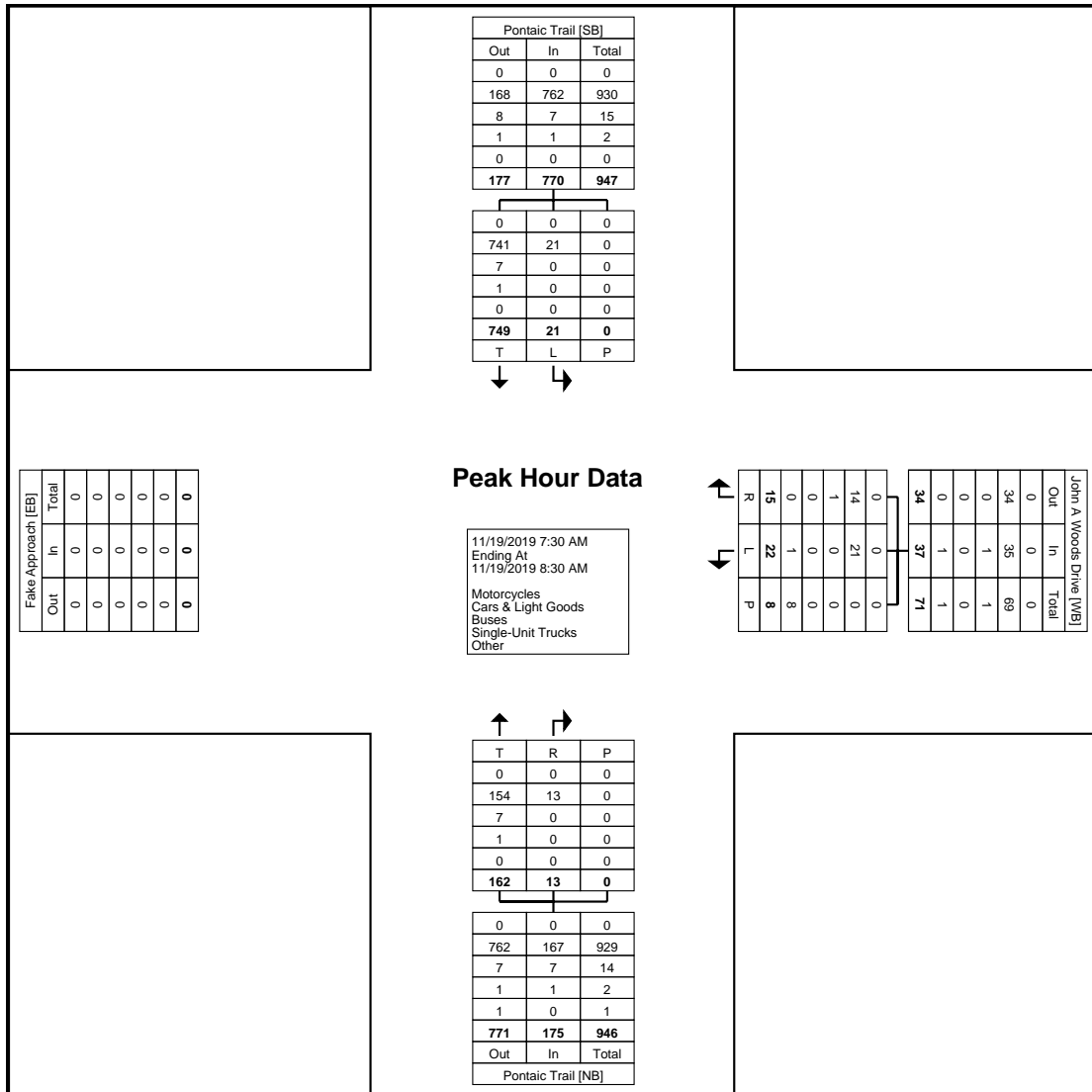
Start Time	Pontiac Trail Southbound				John A Woods Drive Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
7:30 AM	188	2	0	190	1	2	3	3	3	55	0	58	251
7:45 AM	182	4	0	186	2	6	0	8	2	46	0	48	242
8:00 AM	170	10	0	180	6	8	3	14	7	29	0	36	230
8:15 AM	209	5	0	214	6	6	2	12	1	32	0	33	259
Total	749	21	0	770	15	22	8	37	13	162	0	175	982
Approach %	97.3	2.7	-	-	40.5	59.5	-	-	7.4	92.6	-	-	-
Total %	76.3	2.1	-	78.4	1.5	2.2	-	3.8	1.3	16.5	-	17.8	-
PHF	0.896	0.525	-	0.900	0.625	0.688	-	0.661	0.464	0.736	-	0.754	0.948
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	741	21	-	762	14	21	-	35	13	154	-	167	964
% Cars & Light Goods	98.9	100.0	-	99.0	93.3	95.5	-	94.6	100.0	95.1	-	95.4	98.2
Buses	7	0	-	7	1	0	-	1	0	7	-	7	15
% Buses	0.9	0.0	-	0.9	6.7	0.0	-	2.7	0.0	4.3	-	4.0	1.5
Single-Unit Trucks	1	0	-	1	0	0	-	0	0	1	-	1	2
% Single-Unit Trucks	0.1	0.0	-	0.1	0.0	0.0	-	0.0	0.0	0.6	-	0.6	0.2
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	1	-	1	0	0	-	0	1
% Bicycles on Road	0.0	0.0	-	0.0	0.0	4.5	-	2.7	0.0	0.0	-	0.0	0.1
Bicycles on Crosswalk	-	-	0	-	-	-	3	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	37.5	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	5	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	62.5	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3HT
 SE

Count Name: TMC_6
 Pontiac Trail & John A
 Woods_11-19-19
 Site Code: TMC_6
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:30 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3HT
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_6
 Pontiac Trail & John A
 Woods_11-19-19
 Site Code: TMC_6
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:00 AM)

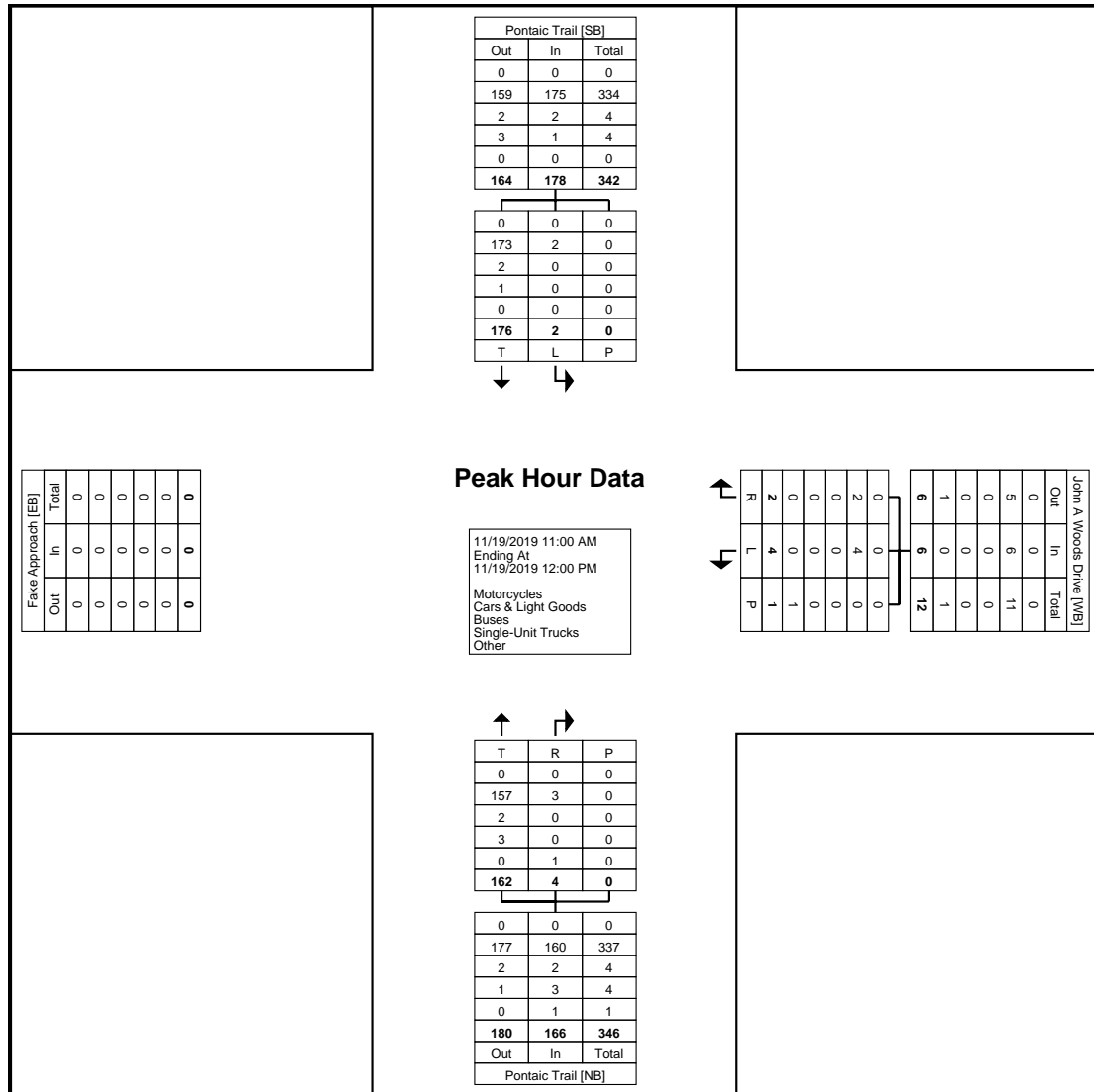
Start Time	Pontiac Trail Southbound				John A Woods Drive Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
11:00 AM	40	0	0	40	2	1	0	3	0	41	0	41	84
11:15 AM	50	1	0	51	0	0	0	0	0	45	0	45	96
11:30 AM	46	1	0	47	0	1	1	1	1	39	0	40	88
11:45 AM	40	0	0	40	0	2	0	2	3	37	0	40	82
Total	176	2	0	178	2	4	1	6	4	162	0	166	350
Approach %	98.9	1.1	-	-	33.3	66.7	-	-	2.4	97.6	-	-	-
Total %	50.3	0.6	-	50.9	0.6	1.1	-	1.7	1.1	46.3	-	47.4	-
PHF	0.880	0.500	-	0.873	0.250	0.500	-	0.500	0.333	0.900	-	0.922	0.911
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	173	2	-	175	2	4	-	6	3	157	-	160	341
% Cars & Light Goods	98.3	100.0	-	98.3	100.0	100.0	-	100.0	75.0	96.9	-	96.4	97.4
Buses	2	0	-	2	0	0	-	0	0	2	-	2	4
% Buses	1.1	0.0	-	1.1	0.0	0.0	-	0.0	0.0	1.2	-	1.2	1.1
Single-Unit Trucks	1	0	-	1	0	0	-	0	0	3	-	3	4
% Single-Unit Trucks	0.6	0.0	-	0.6	0.0	0.0	-	0.0	0.0	1.9	-	1.8	1.1
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	1	0	-	1	1
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	25.0	0.0	-	0.6	0.3
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	1	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3HT
 SE

Count Name: TMC_6
 Pontiac Trail & John A
 Woods_11-19-19
 Site Code: TMC_6
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:00 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3HT
 SE

Count Name: TMC_6
 Pontiac Trail & John A
 Woods_11-19-19
 Site Code: TMC_6
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:15 PM)

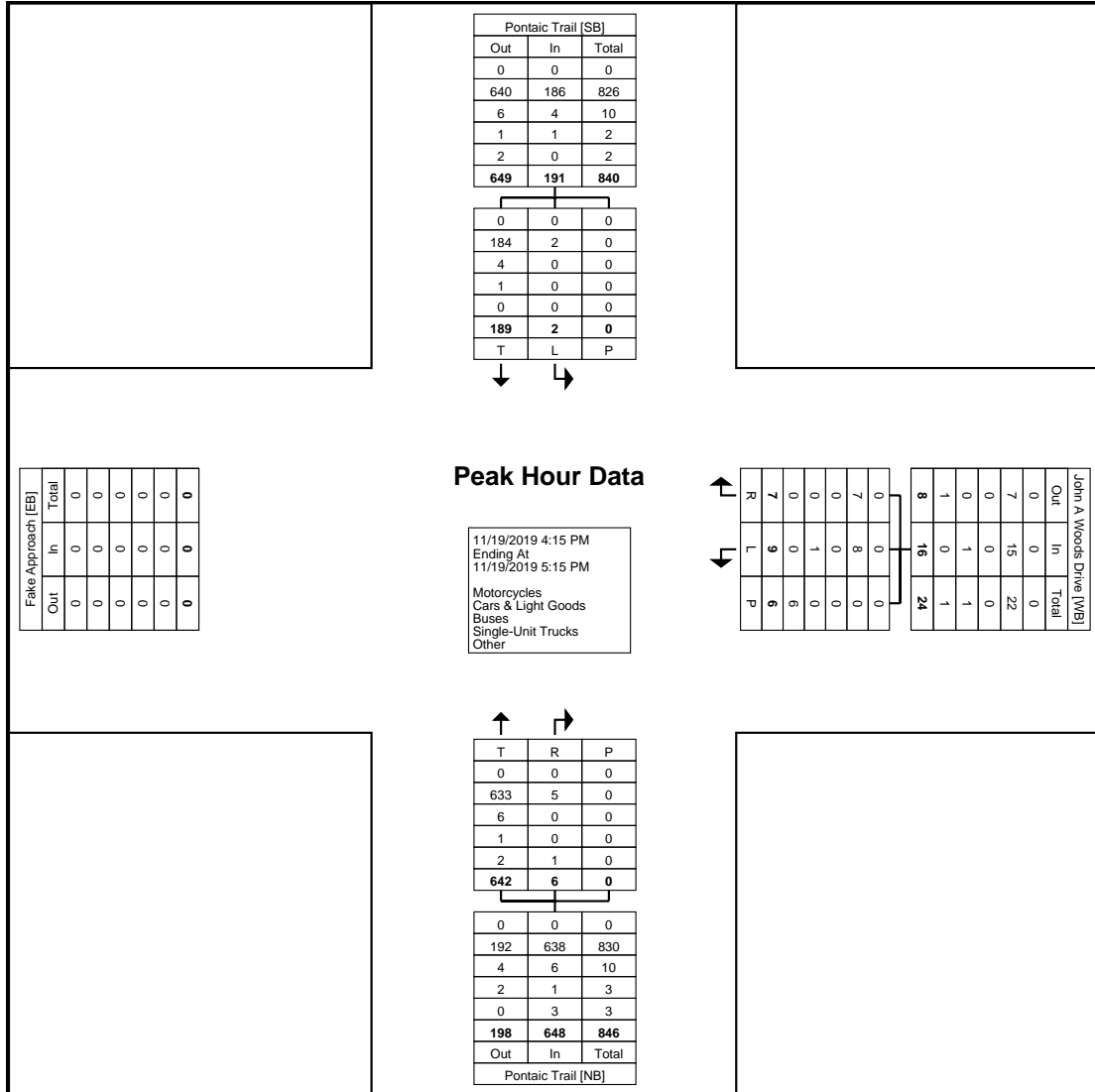
Start Time	Pontiac Trail Southbound				John A Woods Drive Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
4:15 PM	37	0	0	37	1	2	1	3	1	171	0	172	212
4:30 PM	53	0	0	53	1	1	2	2	2	158	0	160	215
4:45 PM	50	0	0	50	3	3	1	6	0	185	0	185	241
5:00 PM	49	2	0	51	2	3	2	5	3	128	0	131	187
Total	189	2	0	191	7	9	6	16	6	642	0	648	855
Approach %	99.0	1.0	-	-	43.8	56.3	-	-	0.9	99.1	-	-	-
Total %	22.1	0.2	-	22.3	0.8	1.1	-	1.9	0.7	75.1	-	75.8	-
PHF	0.892	0.250	-	0.901	0.583	0.750	-	0.667	0.500	0.868	-	0.876	0.887
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	184	2	-	186	7	8	-	15	5	633	-	638	839
% Cars & Light Goods	97.4	100.0	-	97.4	100.0	88.9	-	93.8	83.3	98.6	-	98.5	98.1
Buses	4	0	-	4	0	0	-	0	0	6	-	6	10
% Buses	2.1	0.0	-	2.1	0.0	0.0	-	0.0	0.0	0.9	-	0.9	1.2
Single-Unit Trucks	1	0	-	1	0	1	-	1	0	1	-	1	3
% Single-Unit Trucks	0.5	0.0	-	0.5	0.0	11.1	-	6.3	0.0	0.2	-	0.2	0.4
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	1	2	-	3	3
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	16.7	0.3	-	0.5	0.4
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	6	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3HT
 SE

Count Name: TMC_6
 Pontiac Trail & John A
 Woods_11-19-19
 Site Code: TMC_6
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:15 PM)



Project: Lower Town Area
Mobility Study
Corridor: Pontiac Trail
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU3HT
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_6
Pontiac Trail & John A
Woods_11-19-19
Site Code: TMC_6
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized "T" intersection, John A Woods Dr. is stop controlled for Pontiac Trail at their intersection. VCU camera was located within SE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***



Project: Lower Town Area
 Mobility Study
 Corridor: Argo Drive
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU3CU
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_7
 Chandler & Argo_11-21-19
 Site Code: TMC_7
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 1

Turning Movement Data

Start Time	Chandler Road Southbound				Argo Drive Westbound				Argo Drive Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	1	0	1	0	0	2	0	0	0	0	0	1
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly Total	0	1	0	1	0	0	2	0	0	0	0	0	1
7:00 AM	0	2	0	2	0	0	0	0	2	0	0	2	4
7:15 AM	0	1	0	1	0	0	0	0	0	0	0	0	1
7:30 AM	0	3	0	3	0	0	3	0	1	0	0	1	4
7:45 AM	0	5	0	5	0	1	1	1	1	0	0	1	7
Hourly Total	0	11	0	11	0	1	4	1	4	0	0	4	16
8:00 AM	0	2	0	2	0	0	0	0	0	0	0	0	2
8:15 AM	0	1	0	1	0	0	1	0	0	0	0	0	1
8:30 AM	0	2	0	2	0	0	2	0	0	0	0	0	2
8:45 AM	0	1	0	1	0	0	2	0	1	0	0	1	2
Hourly Total	0	6	0	6	0	0	5	0	1	0	0	1	7
9:00 AM	0	0	0	0	0	0	1	0	1	0	0	1	1
9:15 AM	0	0	0	0	0	0	1	0	0	0	0	0	0
9:30 AM	0	0	1	0	0	1	0	1	0	0	0	0	1
9:45 AM	0	1	0	1	0	0	0	0	1	0	0	1	2
Hourly Total	0	1	1	1	0	1	2	1	2	0	0	2	4
10:00 AM	0	1	0	1	0	0	2	0	2	0	0	2	3
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30 AM	0	1	0	1	0	1	1	1	0	1	0	1	3
10:45 AM	0	2	0	2	0	0	0	0	1	0	0	1	3
Hourly Total	0	4	0	4	0	1	3	1	3	1	0	4	9
11:00 AM	0	0	0	0	0	0	0	0	1	0	0	1	1
11:15 AM	0	1	0	1	2	0	1	2	1	0	0	1	4
11:30 AM	0	1	0	1	0	1	0	1	3	0	0	3	5
11:45 AM	0	3	0	3	1	0	1	1	1	0	0	1	5
Hourly Total	0	5	0	5	3	1	2	4	6	0	0	6	15
12:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0
12:15 PM	0	1	0	1	1	0	0	1	0	0	0	0	2
12:30 PM	0	1	0	1	0	0	0	0	2	0	0	2	3
12:45 PM	0	2	0	2	1	2	1	3	2	0	0	2	7
Hourly Total	0	4	0	4	2	2	2	4	4	0	0	4	12
1:00 PM	0	1	0	1	0	0	1	0	0	0	0	0	1
1:15 PM	0	0	0	0	0	2	0	2	1	0	0	1	3
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	0	0	0	0	1	1	0	2	1	0	0	1	3
Hourly Total	0	1	0	1	1	3	1	4	2	0	0	2	7
2:00 PM	0	0	0	0	0	0	0	0	0	1	0	1	1
2:15 PM	0	0	0	0	1	1	0	2	0	0	0	0	2
2:30 PM	0	0	0	0	1	0	0	1	0	0	0	0	1
2:45 PM	0	0	0	0	1	1	0	2	2	0	0	2	4
Hourly Total	0	0	0	0	3	2	0	5	2	1	0	3	8
3:00 PM	0	0	0	0	2	1	1	3	3	0	0	3	6
3:15 PM	0	0	0	0	0	0	1	0	1	0	0	1	1
3:30 PM	0	0	1	0	1	2	0	3	2	0	0	2	5
3:45 PM	0	0	0	0	1	0	0	1	0	0	0	0	1
Hourly Total	0	0	1	0	4	3	2	7	6	0	0	6	13
4:00 PM	0	1	0	1	0	0	0	0	0	0	0	0	1
4:15 PM	0	0	0	0	3	0	2	3	0	0	0	0	3
4:30 PM	0	1	0	1	1	0	2	1	0	0	0	0	2
4:45 PM	0	0	0	0	2	0	0	2	3	0	0	3	5
Hourly Total	0	2	0	2	6	0	4	6	3	0	0	3	11
5:00 PM	0	1	0	1	0	1	2	1	0	0	0	0	2
5:15 PM	0	2	0	2	0	0	3	0	0	0	0	0	2

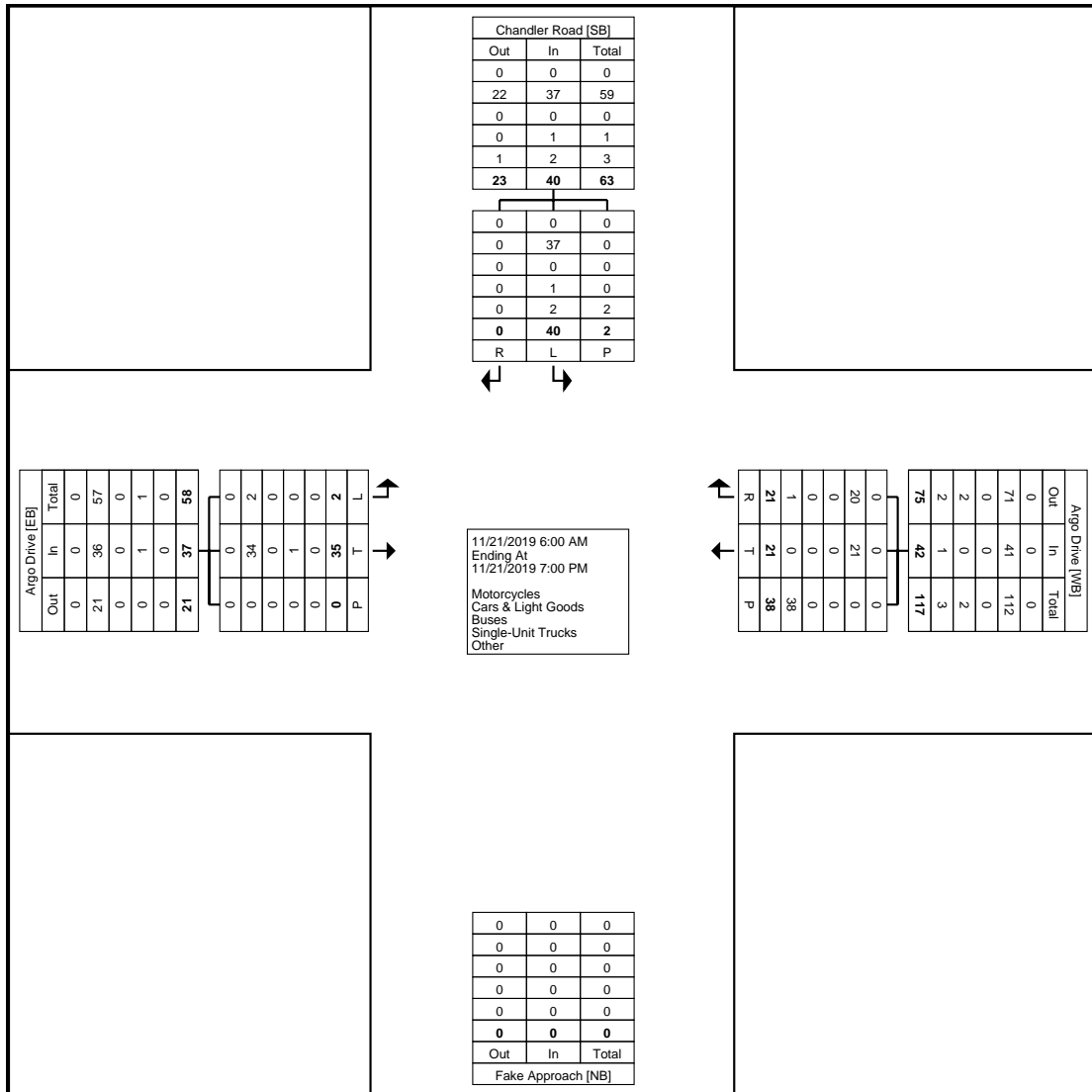
5:30 PM	0	0	0	0	0	2	1	2	0	0	0	0	2
5:45 PM	0	1	0	1	1	2	1	3	0	0	0	0	4
Hourly Total	0	4	0	4	1	5	7	6	0	0	0	0	10
6:00 PM	0	0	0	0	0	1	1	1	1	0	0	1	2
6:15 PM	0	0	0	0	0	1	1	1	0	0	0	0	1
6:30 PM	0	1	0	1	1	0	1	1	1	0	0	1	3
6:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	0
Hourly Total	0	1	0	1	1	2	4	3	2	0	0	2	6
Grand Total	0	40	2	40	21	21	38	42	35	2	0	37	119
Approach %	0.0	100.0	-	-	50.0	50.0	-	-	94.6	5.4	-	-	-
Total %	0.0	33.6	-	33.6	17.6	17.6	-	35.3	29.4	1.7	-	31.1	-
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	0	37	-	37	20	21	-	41	34	2	-	36	114
% Cars & Light Goods	-	92.5	-	92.5	95.2	100.0	-	97.6	97.1	100.0	-	97.3	95.8
Buses	0	0	-	0	0	0	-	0	0	0	-	0	0
% Buses	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Single-Unit Trucks	0	1	-	1	0	0	-	0	1	0	-	1	2
% Single-Unit Trucks	-	2.5	-	2.5	0.0	0.0	-	0.0	2.9	0.0	-	2.7	1.7
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	2	-	2	1	0	-	1	0	0	-	0	3
% Bicycles on Road	-	5.0	-	5.0	4.8	0.0	-	2.4	0.0	0.0	-	0.0	2.5
Bicycles on Crosswalk	-	-	0	-	-	-	10	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	26.3	-	-	-	-	-	-
Pedestrians	-	-	2	-	-	-	28	-	-	-	0	-	-
% Pedestrians	-	-	100.0	-	-	-	73.7	-	-	-	-	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Argo Drive
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU3CU
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_7
 Chandler & Argo_11-21-19
 Site Code: TMC_7
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 3



Turning Movement Data Plot



Project: Lower Town Area
 Mobility Study
 Corridor: Argo Drive
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU3CU
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_7
 Chandler & Argo_11-21-19
 Site Code: TMC_7
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 4

Turning Movement Peak Hour Data (7:00 AM)

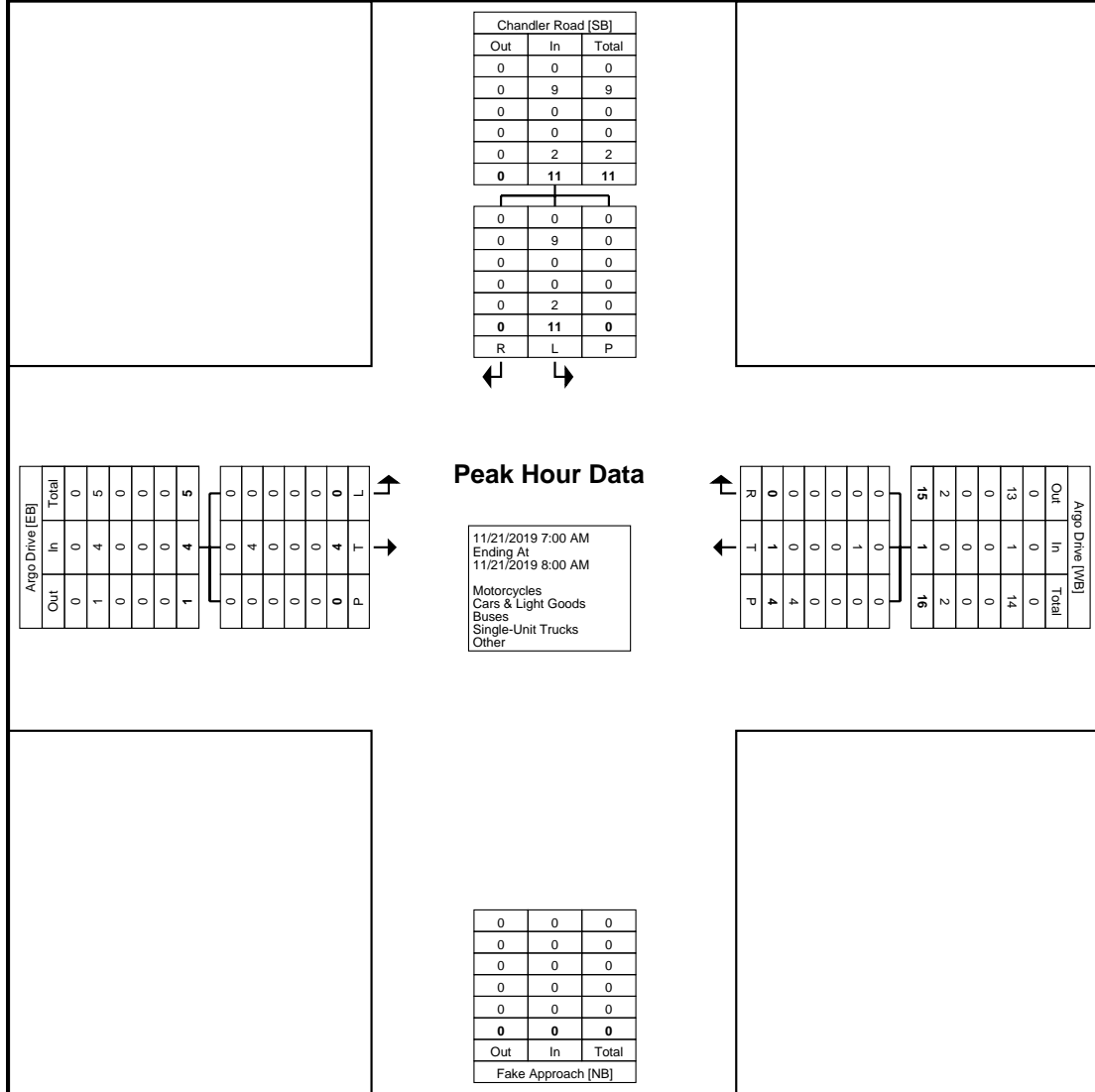
Start Time	Chandler Road Southbound				Argo Drive Westbound				Argo Drive Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
7:00 AM	0	2	0	2	0	0	0	0	2	0	0	2	4
7:15 AM	0	1	0	1	0	0	0	0	0	0	0	0	1
7:30 AM	0	3	0	3	0	0	3	0	1	0	0	1	4
7:45 AM	0	5	0	5	0	1	1	1	1	0	0	1	7
Total	0	11	0	11	0	1	4	1	4	0	0	4	16
Approach %	0.0	100.0	-	-	0.0	100.0	-	-	100.0	0.0	-	-	-
Total %	0.0	68.8	-	68.8	0.0	6.3	-	6.3	25.0	0.0	-	25.0	-
PHF	0.000	0.550	-	0.550	0.000	0.250	-	0.250	0.500	0.000	-	0.500	0.571
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	-	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	0	9	-	9	0	1	-	1	4	0	-	4	14
% Cars & Light Goods	-	81.8	-	81.8	-	100.0	-	100.0	100.0	-	-	100.0	87.5
Buses	0	0	-	0	0	0	-	0	0	0	-	0	0
% Buses	-	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	0.0	0.0
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Single-Unit Trucks	-	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	0.0	0.0
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	-	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	2	-	2	0	0	-	0	0	0	-	0	2
% Bicycles on Road	-	18.2	-	18.2	-	0.0	-	0.0	0.0	-	-	0.0	12.5
Bicycles on Crosswalk	-	-	0	-	-	-	2	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	50.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	2	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	50.0	-	-	-	-	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Argo Drive
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU3CU
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_7
 Chandler & Argo_11-21-19
 Site Code: TMC_7
 Traffic Data Collection, LLC
 Start Date: 11/21/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:00 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Argo Drive
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU3CU
 NW

Count Name: TMC_7
 Chandler & Argo_11-21-19
 Site Code: TMC_7
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 6

Turning Movement Peak Hour Data (11:00 AM)

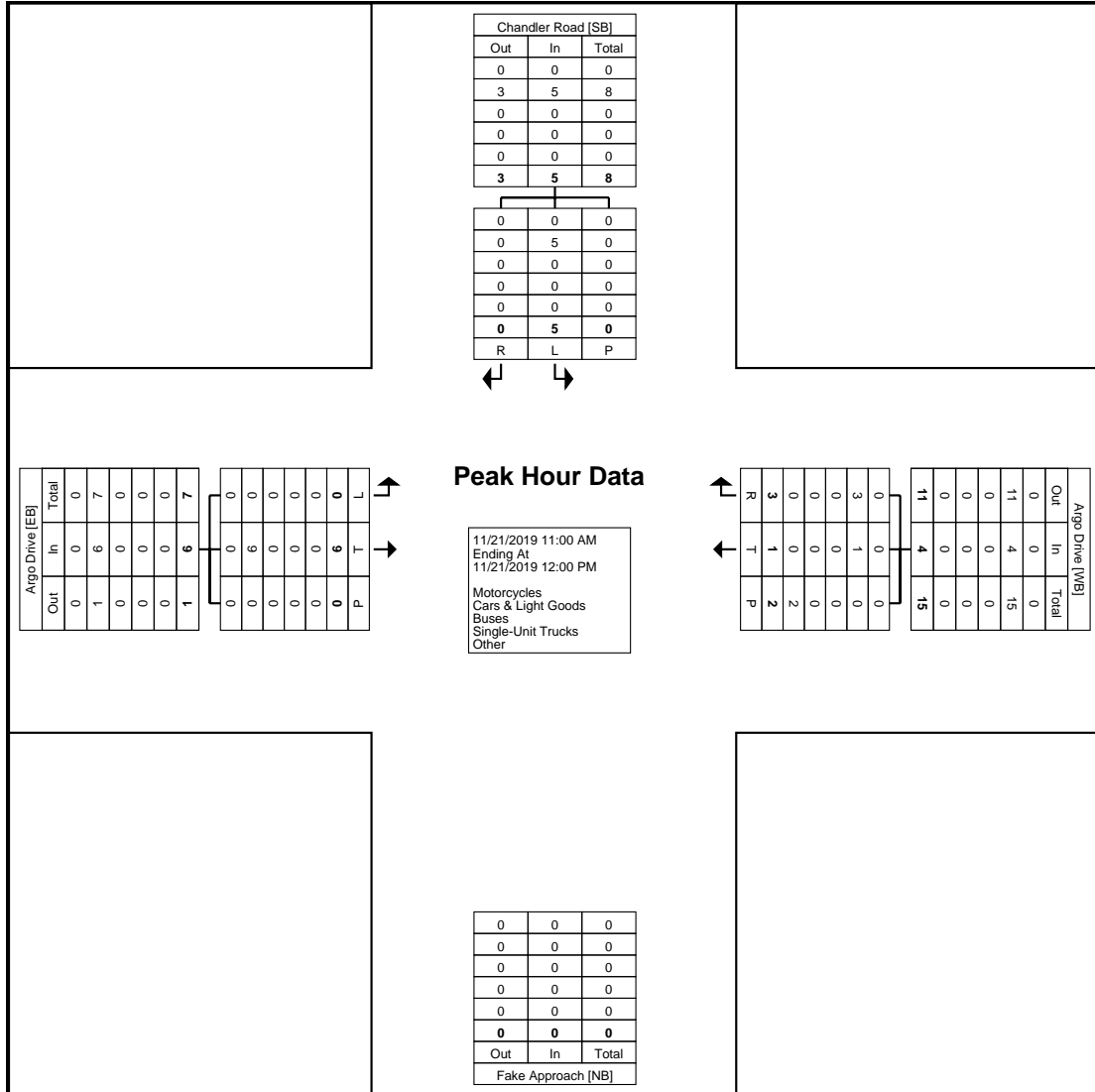
Start Time	Chandler Road Southbound				Argo Drive Westbound				Argo Drive Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
11:00 AM	0	0	0	0	0	0	0	0	1	0	0	1	1
11:15 AM	0	1	0	1	2	0	1	2	1	0	0	1	4
11:30 AM	0	1	0	1	0	1	0	1	3	0	0	3	5
11:45 AM	0	3	0	3	1	0	1	1	1	0	0	1	5
Total	0	5	0	5	3	1	2	4	6	0	0	6	15
Approach %	0.0	100.0	-	-	75.0	25.0	-	-	100.0	0.0	-	-	-
Total %	0.0	33.3	-	33.3	20.0	6.7	-	26.7	40.0	0.0	-	40.0	-
PHF	0.000	0.417	-	0.417	0.375	0.250	-	0.500	0.500	0.000	-	0.500	0.750
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	0	5	-	5	3	1	-	4	6	0	-	6	15
% Cars & Light Goods	-	100.0	-	100.0	100.0	100.0	-	100.0	100.0	-	-	100.0	100.0
Buses	0	0	-	0	0	0	-	0	0	0	-	0	0
% Buses	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Single-Unit Trucks	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	0	-	-	-	1	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	50.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	1	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	50.0	-	-	-	-	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Argo Drive
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU3CU
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_7
 Chandler & Argo_11-21-19
 Site Code: TMC_7
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:00 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Argo Drive
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU3CU
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_7
 Chandler & Argo_11-21-19
 Site Code: TMC_7
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 8

Turning Movement Peak Hour Data (2:45 PM)

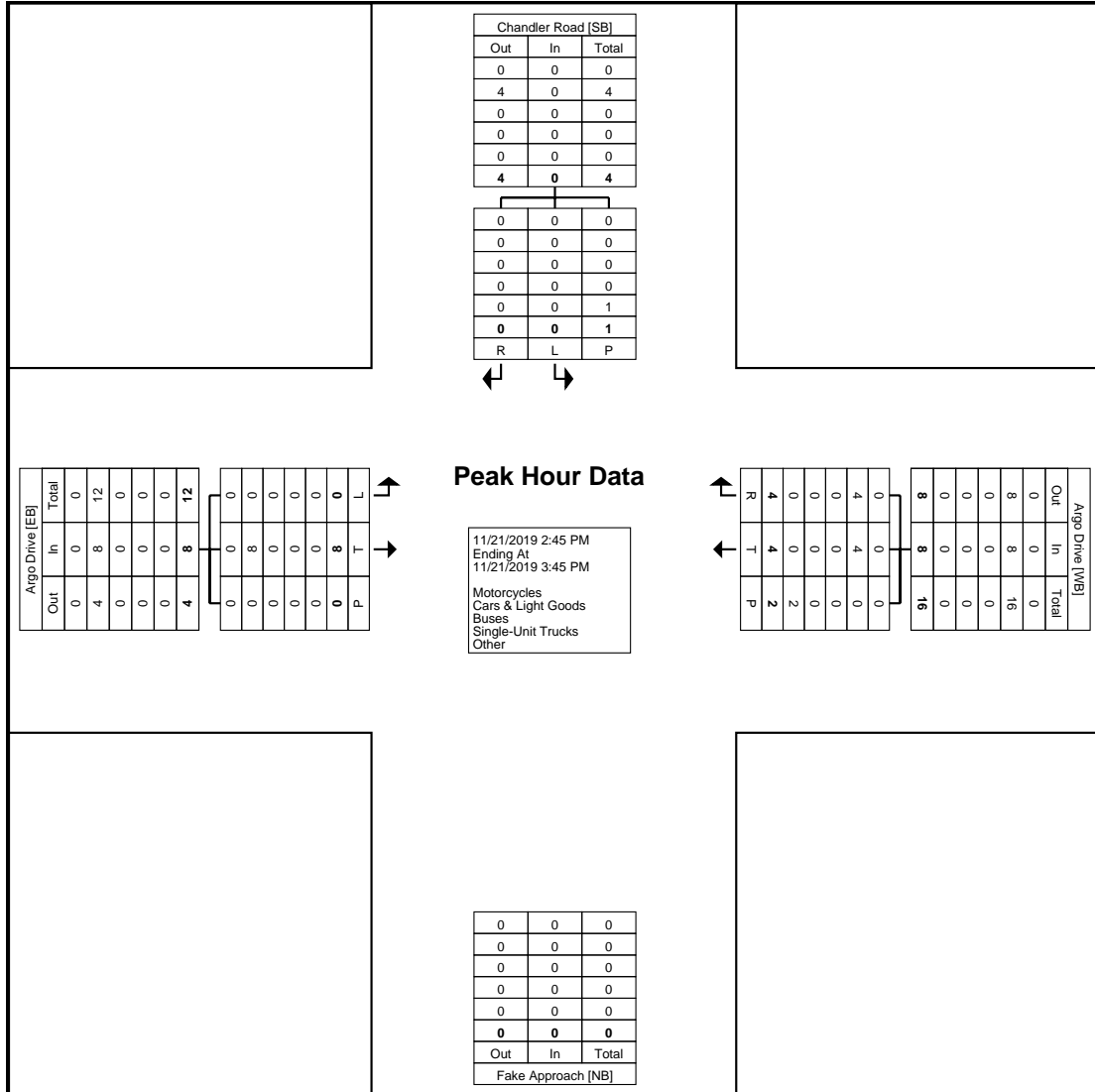
Start Time	Chandler Road Southbound				Argo Drive Westbound				Argo Drive Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
2:45 PM	0	0	0	0	1	1	0	2	2	0	0	2	4
3:00 PM	0	0	0	0	2	1	1	3	3	0	0	3	6
3:15 PM	0	0	0	0	0	0	1	0	1	0	0	1	1
3:30 PM	0	0	1	0	1	2	0	3	2	0	0	2	5
Total	0	0	1	0	4	4	2	8	8	0	0	8	16
Approach %	0.0	0.0	-	-	50.0	50.0	-	-	100.0	0.0	-	-	-
Total %	0.0	0.0	-	0.0	25.0	25.0	-	50.0	50.0	0.0	-	50.0	-
PHF	0.000	0.000	-	0.000	0.500	0.500	-	0.667	0.667	0.000	-	0.667	0.667
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	-	-	-	-	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	0	0	-	0	4	4	-	8	8	0	-	8	16
% Cars & Light Goods	-	-	-	-	100.0	100.0	-	100.0	100.0	-	-	100.0	100.0
Buses	0	0	-	0	0	0	-	0	0	0	-	0	0
% Buses	-	-	-	-	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Single-Unit Trucks	-	-	-	-	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	-	-	-	-	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	-	-	-	-	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	1	-	-	-	2	-	-	-	0	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Argo Drive
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU3CU
 NW

Count Name: TMC_7
 Chandler & Argo_11-21-19
 Site Code: TMC_7
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (2:45 PM)



Project: Lower Town Area
Mobility Study
Corridor: Argo Drive
Weather: Cloudy AM /Lt
Rain PM, Temp. 40's
Video VCU ID#: SCU3CU
NW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_7
Chandler & Argo_11-21-19
Site Code: TMC_7
Traffic Data Collection,
LLC
Start Date: 11/21/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized, uncontrolled "T" intersection. VCU camera was located within NW intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_7 Chandler & Argo_11-21-19 - TMC

Thu Nov 21, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728538, Location: 42.295417, -83.739101, Site Code: TMC_7 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Chandler Road Southbound					Argo Drive Westbound					Argo Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-21 6:00AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30AM	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	1
6:45AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly Total	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	1
7:00AM	0	2	0	2	0	0	0	0	0	0	2	0	0	2	0	4
7:15AM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
7:30AM	0	3	0	3	0	0	0	0	0	3	1	0	0	1	0	4
7:45AM	0	5	0	5	0	0	1	0	1	1	1	0	0	1	0	7
Hourly Total	0	11	0	11	0	0	1	0	1	4	4	0	0	4	0	16
8:00AM	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	2
8:15AM	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1
8:30AM	0	2	0	2	0	0	0	0	0	2	0	0	0	0	0	2
8:45AM	0	1	0	1	0	0	0	0	0	2	1	0	0	1	0	2
Hourly Total	0	6	0	6	0	0	0	0	0	5	1	0	0	1	0	7
9:00AM	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1
9:15AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
9:30AM	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1
9:45AM	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	2
Hourly Total	0	1	0	1	1	0	1	0	1	2	2	0	0	2	0	4
10:00AM	0	1	0	1	0	0	0	0	0	2	2	0	0	2	0	3
10:15AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30AM	0	1	0	1	0	0	1	0	1	1	0	1	0	1	0	3
10:45AM	0	2	0	2	0	0	0	0	0	0	1	0	0	1	0	3
Hourly Total	0	4	0	4	0	0	1	0	1	3	3	1	0	4	0	9
11:00AM	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
11:15AM	0	1	0	1	0	2	0	0	2	1	1	0	0	1	0	4
11:30AM	0	1	0	1	0	0	1	0	1	0	3	0	0	3	0	5
11:45AM	0	3	0	3	0	1	0	0	1	1	1	0	0	1	0	5
Hourly Total	0	5	0	5	0	3	1	0	4	2	6	0	0	6	0	15
12:00PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
12:15PM	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	2
12:30PM	0	1	0	1	0	0	0	0	0	0	2	0	0	2	0	3
12:45PM	0	2	0	2	0	1	2	0	3	1	2	0	0	2	0	7
Hourly Total	0	4	0	4	0	2	2	0	4	2	4	0	0	4	0	12
1:00PM	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1
1:15PM	0	0	0	0	0	0	2	0	2	0	1	0	0	1	0	3
1:30PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45PM	0	0	0	0	0	1	1	0	2	0	1	0	0	1	0	3
Hourly Total	0	1	0	1	0	1	3	0	4	1	2	0	0	2	0	7
2:00PM	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
2:15PM	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	2
2:30PM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
2:45PM	0	0	0	0	0	1	1	0	2	0	2	0	0	2	0	4
Hourly Total	0	0	0	0	0	3	2	0	5	0	2	1	0	3	0	8
3:00PM	0	0	0	0	0	2	1	0	3	1	3	0	0	3	0	6
3:15PM	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1
3:30PM	0	0	0	0	1	1	2	0	3	0	2	0	0	2	0	5
3:45PM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
Hourly Total	0	0	0	0	1	4	3	0	7	2	6	0	0	6	0	13
4:00PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
4:15PM	0	0	0	0	0	3	0	0	3	2	0	0	0	0	0	3

Leg Direction	Chandler Road Southbound					Argo Drive Westbound					Argo Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
4:30PM	0	1	0	1	0	1	0	0	1	2	0	0	0	0	0	2
4:45PM	0	0	0	0	0	2	0	0	2	0	3	0	0	3	0	5
Hourly Total	0	2	0	2	0	6	0	0	6	4	3	0	0	3	0	11
5:00PM	0	1	0	1	0	0	1	0	1	2	0	0	0	0	0	2
5:15PM	0	2	0	2	0	0	0	0	0	3	0	0	0	0	0	2
5:30PM	0	0	0	0	0	0	2	0	2	1	0	0	0	0	0	2
5:45PM	0	1	0	1	0	1	2	0	3	1	0	0	0	0	0	4
Hourly Total	0	4	0	4	0	1	5	0	6	7	0	0	0	0	0	10
6:00PM	0	0	0	0	0	0	1	0	1	1	1	0	0	1	0	2
6:15PM	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1
6:30PM	0	1	0	1	0	1	0	0	1	1	1	0	0	1	0	3
6:45PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Hourly Total	0	1	0	1	0	1	2	0	3	4	2	0	0	2	0	6
Total	0	40	0	40	2	21	21	0	42	38	35	2	0	37	0	119
% Approach	0%	100%	0%	-	-	50.0%	50.0%	0%	-	-	94.6%	5.4%	0%	-	-	-
% Total	0%	33.6%	0%	33.6%	-	17.6%	17.6%	0%	35.3%	-	29.4%	1.7%	0%	31.1%	-	-
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	0	37	0	37	-	20	21	0	41	-	34	2	0	36	-	114
% Lights	0%	92.5%	0%	92.5%	-	95.2%	100%	0%	97.6%	-	97.1%	100%	0%	97.3%	-	95.8%
Single-Unit Trucks	0	1	0	1	-	0	0	0	0	-	1	0	0	1	-	2
% Single-Unit Trucks	0%	2.5%	0%	2.5%	-	0%	0%	0%	0%	-	2.9%	0%	0%	2.7%	-	1.7%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Buses	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Bicycles on Road	0	2	0	2	-	1	0	0	1	-	0	0	0	0	-	3
% Bicycles on Road	0%	5.0%	0%	5.0%	-	4.8%	0%	0%	2.4%	-	0%	0%	0%	0%	-	2.5%
Pedestrians	-	-	-	-	2	-	-	-	-	28	-	-	-	-	0	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	73.7%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	10	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	26.3%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_7 Chandler & Argo_11-21-19 - TMC

Thu Nov 21, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728538, Location: 42.295417, -83.739101, Site Code: TMC_7 Traffic Data Collection, LLC

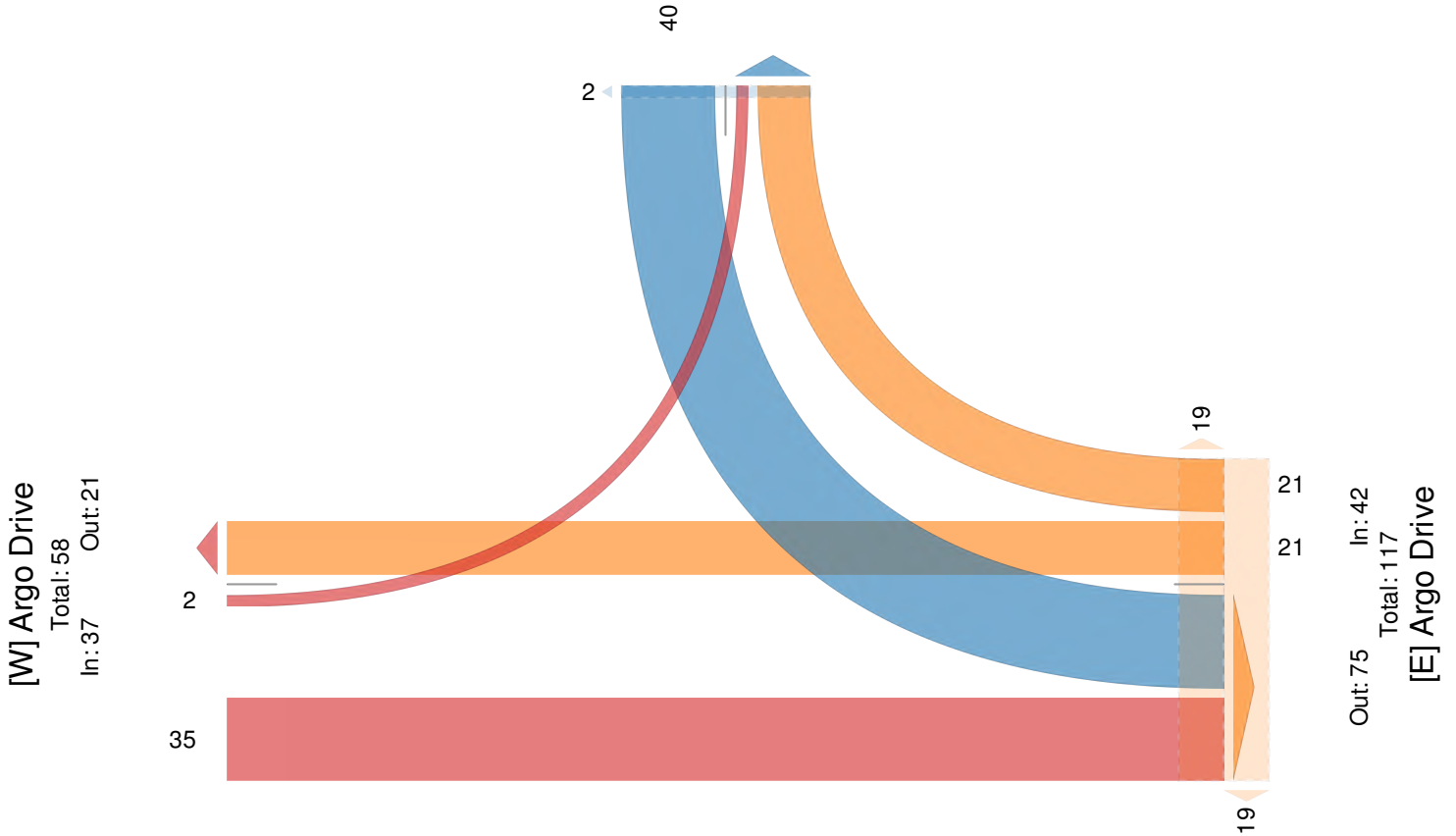


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Chandler Road

Total: 63

In: 40 Out: 23



TMC_7 Chandler & Argo_11-21-19 - TMC

Thu Nov 21, 2019

AM Peak (7 AM - 8 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728538, Location: 42.295417, -83.739101, Site Code: TMC_7 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Chandler Road Southbound					Argo Drive Westbound					Argo Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-21 7:00AM	0	2	0	2	0	0	0	0	0	0	2	0	0	2	0	4
7:15AM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
7:30AM	0	3	0	3	0	0	0	0	0	3	1	0	0	1	0	4
7:45AM	0	5	0	5	0	0	1	0	1	1	1	0	0	1	0	7
Total	0	11	0	11	0	0	1	0	1	4	4	0	0	4	0	16
% Approach	0%	100%	0%	-	-	0%	100%	0%	-	-	100%	0%	0%	-	-	-
% Total	0%	68.8%	0%	68.8%	-	0%	6.3%	0%	6.3%	-	25.0%	0%	0%	25.0%	-	-
PHF	-	0.563	-	0.563	-	-	0.250	-	0.250	-	0.500	-	-	0.500	-	0.583
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	0	9	0	9	-	0	1	0	1	-	4	0	0	4	-	14
% Lights	0%	81.8%	0%	81.8%	-	0%	100%	0%	100%	-	100%	0%	0%	100%	-	87.5%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Buses	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Bicycles on Road	0	2	0	2	-	0	0	0	0	-	0	0	0	0	-	2
% Bicycles on Road	0%	18.2%	0%	18.2%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	12.5%
Pedestrians	-	-	-	-	0	-	-	-	-	2	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	2	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_7 Chandler & Argo_11-21-19 - TMC

Thu Nov 21, 2019

AM Peak (7 AM - 8 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728538, Location: 42.295417, -83.739101, Site Code: TMC_7 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

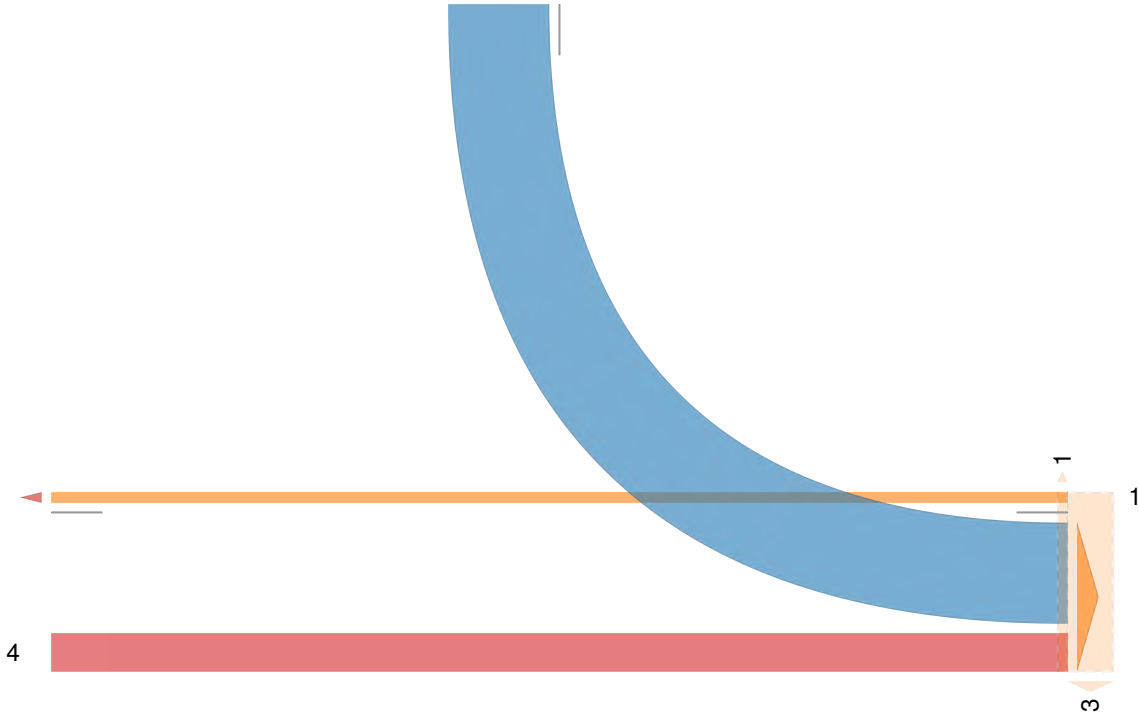
[N] Chandler Road

Total: 11

In: 11 Out: 0

11

[W] Argo Drive
Total: 5
In: 4 Out: 1



Out: 15 In: 1
Total: 16
[E] Argo Drive

TMC_7 Chandler & Argo_11-21-19 - TMC

Thu Nov 21, 2019

Midday Peak (11 AM - 12 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728538, Location: 42.295417, -83.739101, Site Code: TMC_7 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Chandler Road Southbound					Argo Drive Westbound					Argo Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-21 11:00AM	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
11:15AM	0	1	0	1	0	2	0	0	2	1	1	0	0	1	0	4
11:30AM	0	1	0	1	0	0	1	0	1	0	3	0	0	3	0	5
11:45AM	0	3	0	3	0	1	0	0	1	1	1	0	0	1	0	5
Total	0	5	0	5	0	3	1	0	4	2	6	0	0	6	0	15
% Approach	0%	100%	0%	-	-	75.0%	25.0%	0%	-	-	100%	0%	0%	-	-	-
% Total	0%	33.3%	0%	33.3%	-	20.0%	6.7%	0%	26.7%	-	40.0%	0%	0%	40.0%	-	-
PHF	-	0.417	-	0.417	-	0.375	0.250	-	0.500	-	0.500	-	-	0.500	-	0.750
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	0	5	0	5	-	3	1	0	4	-	6	0	0	6	-	15
% Lights	0%	100%	0%	100%	-	100%	100%	0%	100%	-	100%	0%	0%	100%	-	100%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Buses	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_7 Chandler & Argo_11-21-19 - TMC

Thu Nov 21, 2019

Midday Peak (11 AM - 12 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728538, Location: 42.295417, -83.739101, Site Code: TMC_7 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

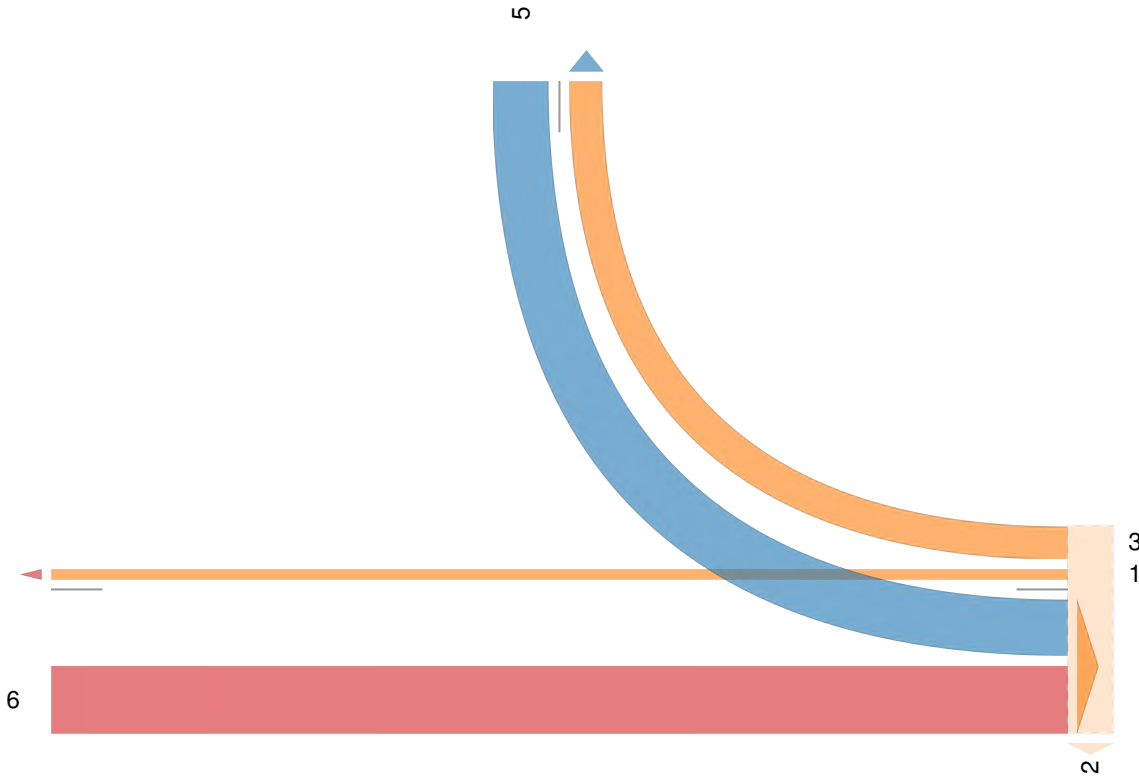
[N] Chandler Road

Total: 8

In: 5 Out: 3

5

[W] Argo Drive
Total: 7
In: 6 Out: 1



TMC_7 Chandler & Argo_11-21-19 - TMC

Thu Nov 21, 2019

PM Peak (2:45 PM - 3:45 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728538, Location: 42.295417, -83.739101, Site Code: TMC_7 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Chandler Road Southbound					Argo Drive Westbound					Argo Drive Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-21 2:45PM	0	0	0	0	0	1	1	0	2	0	2	0	0	2	0	4
3:00PM	0	0	0	0	0	2	1	0	3	1	3	0	0	3	0	6
3:15PM	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1
3:30PM	0	0	0	0	1	1	2	0	3	0	2	0	0	2	0	5
Total	0	0	0	0	1	4	4	0	8	2	8	0	0	8	0	16
% Approach	0%	0%	0%	-	-	50.0%	50.0%	0%	-	-	100%	0%	0%	-	-	-
% Total	0%	0%	0%	0%	-	25.0%	25.0%	0%	50.0%	-	50.0%	0%	0%	50.0%	-	-
PHF	-	-	-	-	-	0.500	0.500	-	0.667	-	0.667	-	-	0.667	-	0.667
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	0	0	0	0	-	4	4	0	8	-	8	0	0	8	-	16
% Lights	0%	0%	0%	-	-	100%	100%	0%	100%	-	100%	0%	0%	100%	-	100%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Single-Unit Trucks	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Buses	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	1	-	-	-	-	2	-	-	-	-	0	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_7 Chandler & Argo_11-21-19 - TMC

Thu Nov 21, 2019

PM Peak (2:45 PM - 3:45 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728538, Location: 42.295417, -83.739101, Site Code: TMC_7 Traffic Data Collection, LLC



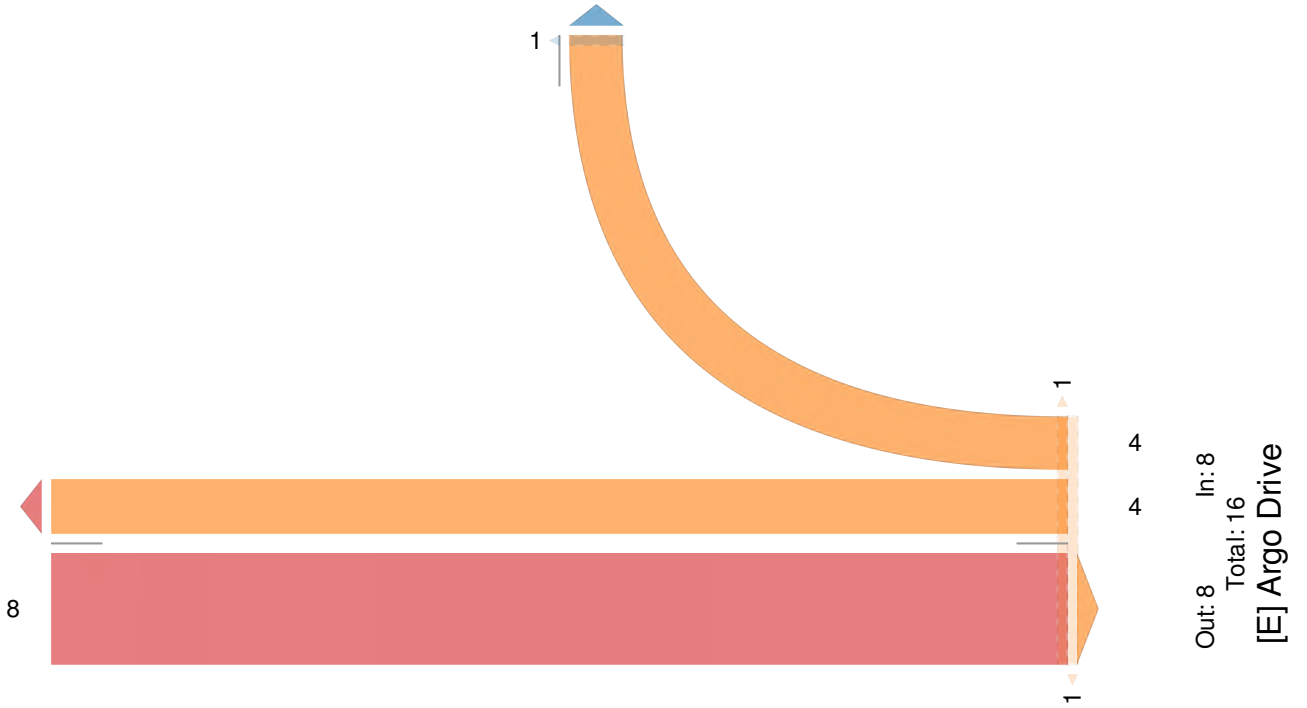
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Chandler Road

Total: 4

In: 0 Out: 4

[W] Argo Drive
Total: 12
In: 8 Out: 4



[E] Argo Drive
Out: 8 In: 8
Total: 16



TDC
Traffic Data Collection

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_8
 Pontiac Trail & Argo_11-
 21-19
 Site Code: TMC_8
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 1

Turning Movement Data

Start Time	Pontiac Trail Southbound				Pontiac Trail Northbound				Argo Drive Eastbound				Int. Total
	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
6:00 AM	0	62	0	62	8	0	0	8	0	0	0	0	70
6:15 AM	0	84	0	84	7	0	0	7	0	0	0	0	91
6:30 AM	0	110	0	110	10	0	0	10	1	0	1	1	121
6:45 AM	0	113	0	113	16	0	0	16	0	0	0	0	129
Hourly Total	0	369	0	369	41	0	0	41	1	0	1	1	411
7:00 AM	0	124	0	124	19	0	0	19	4	0	1	4	147
7:15 AM	0	182	0	182	29	0	0	29	1	1	0	2	213
7:30 AM	0	187	0	187	46	0	0	46	2	1	3	3	236
7:45 AM	1	190	0	191	66	1	0	67	6	0	2	6	264
Hourly Total	1	683	0	684	160	1	0	161	13	2	6	15	860
8:00 AM	0	202	0	202	38	0	0	38	2	1	4	3	243
8:15 AM	1	191	0	192	28	0	0	28	1	0	0	1	221
8:30 AM	0	148	0	148	28	0	1	28	5	2	0	7	183
8:45 AM	0	118	0	118	36	0	0	36	2	0	4	2	156
Hourly Total	1	659	0	660	130	0	1	130	10	3	8	13	803
9:00 AM	1	87	0	88	27	0	0	27	1	0	0	1	116
9:15 AM	0	98	0	98	30	1	0	31	1	0	2	1	130
9:30 AM	0	76	0	76	29	1	0	30	1	0	0	1	107
9:45 AM	0	53	0	53	38	1	0	39	4	0	1	4	96
Hourly Total	1	314	0	315	124	3	0	127	7	0	3	7	449
10:00 AM	0	59	0	59	30	0	0	30	2	1	1	3	92
10:15 AM	0	47	0	47	32	0	0	32	0	0	1	0	79
10:30 AM	1	59	0	60	37	0	0	37	1	0	1	1	98
10:45 AM	0	54	0	54	30	0	0	30	4	0	0	4	88
Hourly Total	1	219	0	220	129	0	0	129	7	1	3	8	357
11:00 AM	0	46	0	46	32	0	0	32	1	0	0	1	79
11:15 AM	0	48	0	48	37	2	0	39	2	0	0	2	89
11:30 AM	0	46	0	46	38	1	0	39	4	0	0	4	89
11:45 AM	1	64	0	65	45	1	0	46	3	1	0	4	115
Hourly Total	1	204	0	205	152	4	0	156	10	1	0	11	372
12:00 PM	0	34	0	34	58	0	0	58	0	0	0	0	92
12:15 PM	1	57	0	58	45	0	0	45	1	0	2	1	104
12:30 PM	0	48	0	48	46	1	0	47	3	0	0	3	98
12:45 PM	0	50	0	50	59	2	0	61	3	1	0	4	115
Hourly Total	1	189	0	190	208	3	0	211	7	1	2	8	409
1:00 PM	0	51	0	51	46	0	0	46	1	0	0	1	98
1:15 PM	1	47	0	48	54	1	0	55	1	0	0	1	104
1:30 PM	1	58	0	59	52	0	0	52	0	0	0	0	111
1:45 PM	0	46	0	46	42	1	0	43	2	1	0	3	92
Hourly Total	2	202	0	204	194	2	0	196	4	1	0	5	405
2:00 PM	0	34	0	34	53	1	0	54	0	0	1	0	88
2:15 PM	1	42	0	43	59	1	0	60	0	0	0	0	103
2:30 PM	0	45	0	45	80	2	0	82	1	0	1	1	128
2:45 PM	2	59	2	61	80	0	0	80	0	2	0	2	143
Hourly Total	3	180	2	183	272	4	0	276	1	2	2	3	462
3:00 PM	1	39	0	40	111	2	0	113	2	1	1	3	156
3:15 PM	2	48	0	50	104	1	0	105	1	1	0	2	157
3:30 PM	0	83	0	83	128	5	0	133	1	0	4	1	217
3:45 PM	0	44	0	44	129	1	0	130	0	0	0	0	174
Hourly Total	3	214	0	217	472	9	0	481	4	2	5	6	704
4:00 PM	0	53	0	53	124	0	0	124	1	0	3	1	178
4:15 PM	0	56	0	56	147	3	0	150	1	0	0	1	207
4:30 PM	0	55	0	55	145	1	0	146	1	1	0	2	203
4:45 PM	1	60	0	61	129	2	0	131	2	2	0	4	196
Hourly Total	1	224	0	225	545	6	0	551	5	3	3	8	784
5:00 PM	0	60	0	60	178	1	1	179	1	0	0	1	240
5:15 PM	0	56	0	56	143	0	1	143	2	0	2	2	201

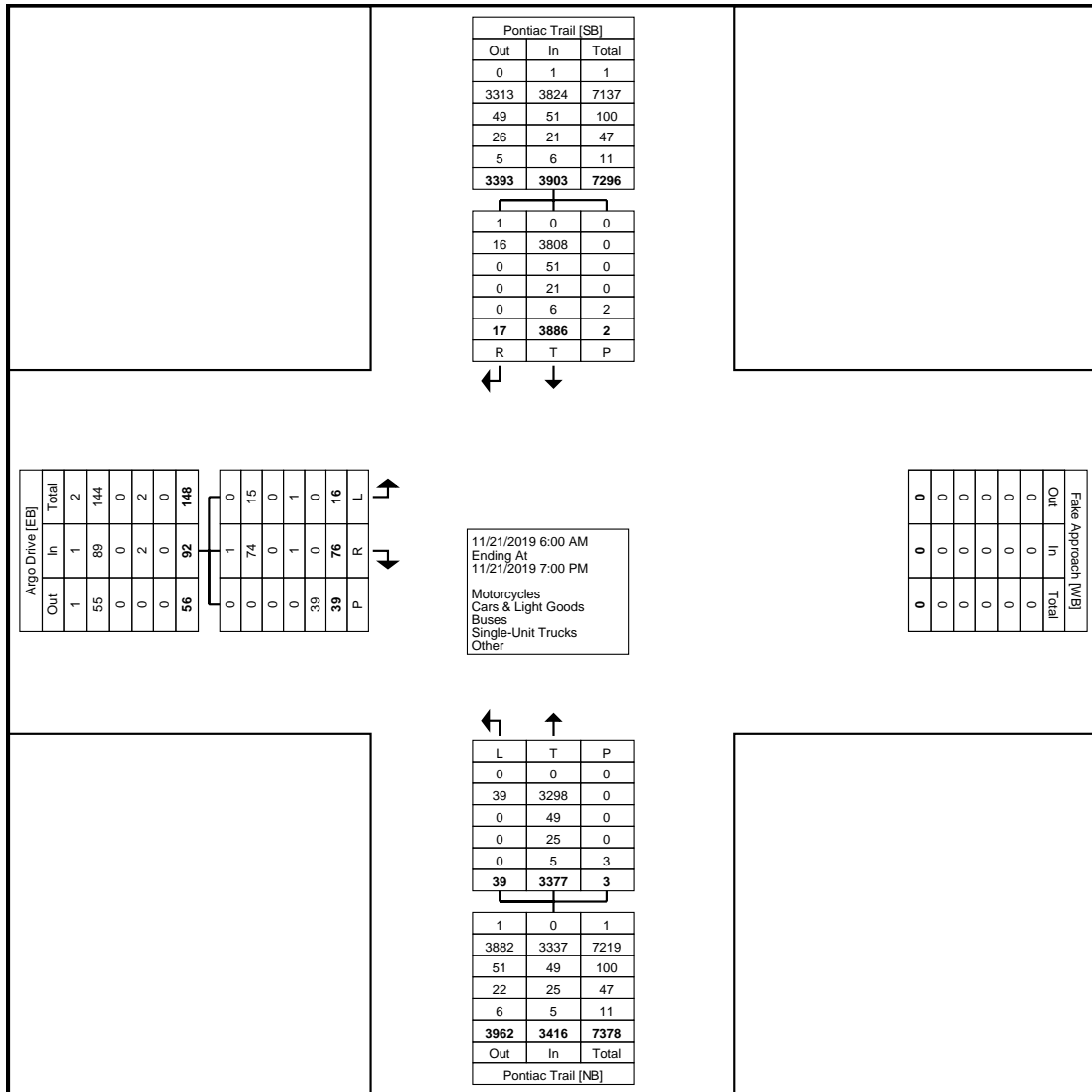
5:30 PM	2	47	0	49	155	1	0	156	0	0	1	0	205
5:45 PM	0	56	0	56	137	2	0	139	1	0	0	1	196
Hourly Total	2	219	0	221	613	4	2	617	4	0	3	4	842
6:00 PM	0	49	0	49	115	1	0	116	1	0	1	1	166
6:15 PM	0	59	0	59	87	1	0	88	0	0	1	0	147
6:30 PM	0	64	0	64	83	1	0	84	2	0	1	2	150
6:45 PM	0	38	0	38	52	0	0	52	0	0	0	0	90
Hourly Total	0	210	0	210	337	3	0	340	3	0	3	3	553
Grand Total	17	3886	2	3903	3377	39	3	3416	76	16	39	92	7411
Approach %	0.4	99.6	-	-	98.9	1.1	-	-	82.6	17.4	-	-	-
Total %	0.2	52.4	-	52.7	45.6	0.5	-	46.1	1.0	0.2	-	1.2	-
Motorcycles	1	0	-	1	0	0	-	0	1	0	-	1	2
% Motorcycles	5.9	0.0	-	0.0	0.0	0.0	-	0.0	1.3	0.0	-	1.1	0.0
Cars & Light Goods	16	3808	-	3824	3298	39	-	3337	74	15	-	89	7250
% Cars & Light Goods	94.1	98.0	-	98.0	97.7	100.0	-	97.7	97.4	93.8	-	96.7	97.8
Buses	0	51	-	51	49	0	-	49	0	0	-	0	100
% Buses	0.0	1.3	-	1.3	1.5	0.0	-	1.4	0.0	0.0	-	0.0	1.3
Single-Unit Trucks	0	21	-	21	25	0	-	25	1	1	-	2	48
% Single-Unit Trucks	0.0	0.5	-	0.5	0.7	0.0	-	0.7	1.3	6.3	-	2.2	0.6
Articulated Trucks	0	1	-	1	2	0	-	2	0	0	-	0	3
% Articulated Trucks	0.0	0.0	-	0.0	0.1	0.0	-	0.1	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	5	-	5	3	0	-	3	0	0	-	0	8
% Bicycles on Road	0.0	0.1	-	0.1	0.1	0.0	-	0.1	0.0	0.0	-	0.0	0.1
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	4	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	10.3	-	-
Pedestrians	-	-	2	-	-	-	3	-	-	-	35	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	89.7	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_8
 Pontiac Trail & Argo_11-
 21-19
 Site Code: TMC_8
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_8
 Pontiac Trail & Argo_11-
 21-19
 Site Code: TMC_8
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 4

Turning Movement Peak Hour Data (7:30 AM)

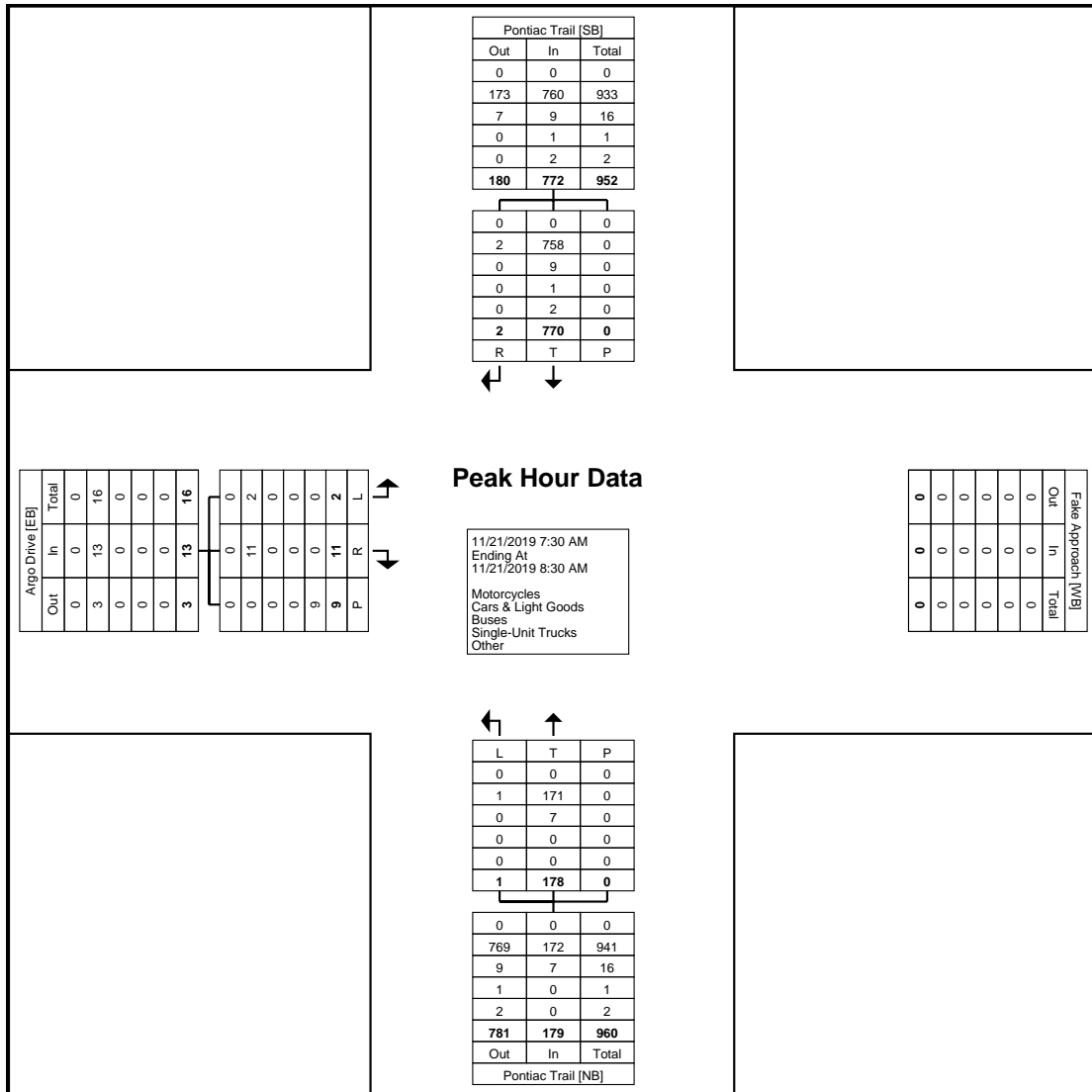
Start Time	Pontiac Trail Southbound				Pontiac Trail Northbound				Argo Drive Eastbound				Int. Total
	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
7:30 AM	0	187	0	187	46	0	0	46	2	1	3	3	236
7:45 AM	1	190	0	191	66	1	0	67	6	0	2	6	264
8:00 AM	0	202	0	202	38	0	0	38	2	1	4	3	243
8:15 AM	1	191	0	192	28	0	0	28	1	0	0	1	221
Total	2	770	0	772	178	1	0	179	11	2	9	13	964
Approach %	0.3	99.7	-	-	99.4	0.6	-	-	84.6	15.4	-	-	-
Total %	0.2	79.9	-	80.1	18.5	0.1	-	18.6	1.1	0.2	-	1.3	-
PHF	0.500	0.953	-	0.955	0.674	0.250	-	0.668	0.458	0.500	-	0.542	0.913
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	2	758	-	760	171	1	-	172	11	2	-	13	945
% Cars & Light Goods	100.0	98.4	-	98.4	96.1	100.0	-	96.1	100.0	100.0	-	100.0	98.0
Buses	0	9	-	9	7	0	-	7	0	0	-	0	16
% Buses	0.0	1.2	-	1.2	3.9	0.0	-	3.9	0.0	0.0	-	0.0	1.7
Single-Unit Trucks	0	1	-	1	0	0	-	0	0	0	-	0	1
% Single-Unit Trucks	0.0	0.1	-	0.1	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.1
Articulated Trucks	0	1	-	1	0	0	-	0	0	0	-	0	1
% Articulated Trucks	0.0	0.1	-	0.1	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.1
Bicycles on Road	0	1	-	1	0	0	-	0	0	0	-	0	1
% Bicycles on Road	0.0	0.1	-	0.1	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.1
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	0	-	-	-	0	-	-	-	9	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_8
 Pontiac Trail & Argo_11-
 21-19
 Site Code: TMC_8
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:30 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_8
 Pontiac Trail & Argo_11-
 21-19
 Site Code: TMC_8
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 6

Turning Movement Peak Hour Data (11:45 AM)

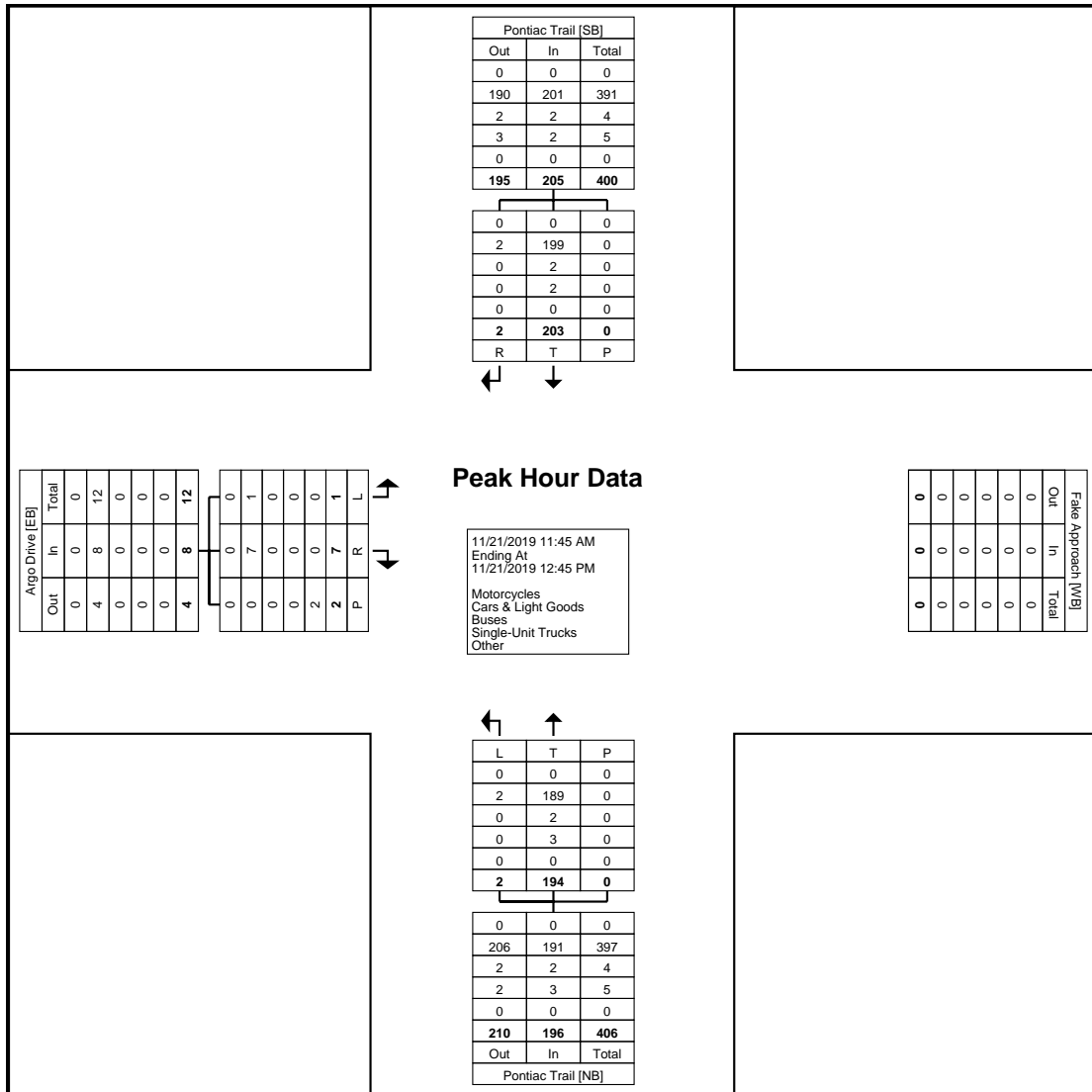
Start Time	Pontiac Trail Southbound				Pontiac Trail Northbound				Argo Drive Eastbound				Int. Total
	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
11:45 AM	1	64	0	65	45	1	0	46	3	1	0	4	115
12:00 PM	0	34	0	34	58	0	0	58	0	0	0	0	92
12:15 PM	1	57	0	58	45	0	0	45	1	0	2	1	104
12:30 PM	0	48	0	48	46	1	0	47	3	0	0	3	98
Total	2	203	0	205	194	2	0	196	7	1	2	8	409
Approach %	1.0	99.0	-	-	99.0	1.0	-	-	87.5	12.5	-	-	-
Total %	0.5	49.6	-	50.1	47.4	0.5	-	47.9	1.7	0.2	-	2.0	-
PHF	0.500	0.793	-	0.788	0.836	0.500	-	0.845	0.583	0.250	-	0.500	0.889
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	2	199	-	201	189	2	-	191	7	1	-	8	400
% Cars & Light Goods	100.0	98.0	-	98.0	97.4	100.0	-	97.4	100.0	100.0	-	100.0	97.8
Buses	0	2	-	2	2	0	-	2	0	0	-	0	4
% Buses	0.0	1.0	-	1.0	1.0	0.0	-	1.0	0.0	0.0	-	0.0	1.0
Single-Unit Trucks	0	2	-	2	3	0	-	3	0	0	-	0	5
% Single-Unit Trucks	0.0	1.0	-	1.0	1.5	0.0	-	1.5	0.0	0.0	-	0.0	1.2
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	0	-	-	-	0	-	-	-	2	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_8
 Pontiac Trail & Argo_11-
 21-19
 Site Code: TMC_8
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_8
 Pontiac Trail & Argo_11-
 21-19
 Site Code: TMC_8
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 8

Turning Movement Peak Hour Data (4:15 PM)

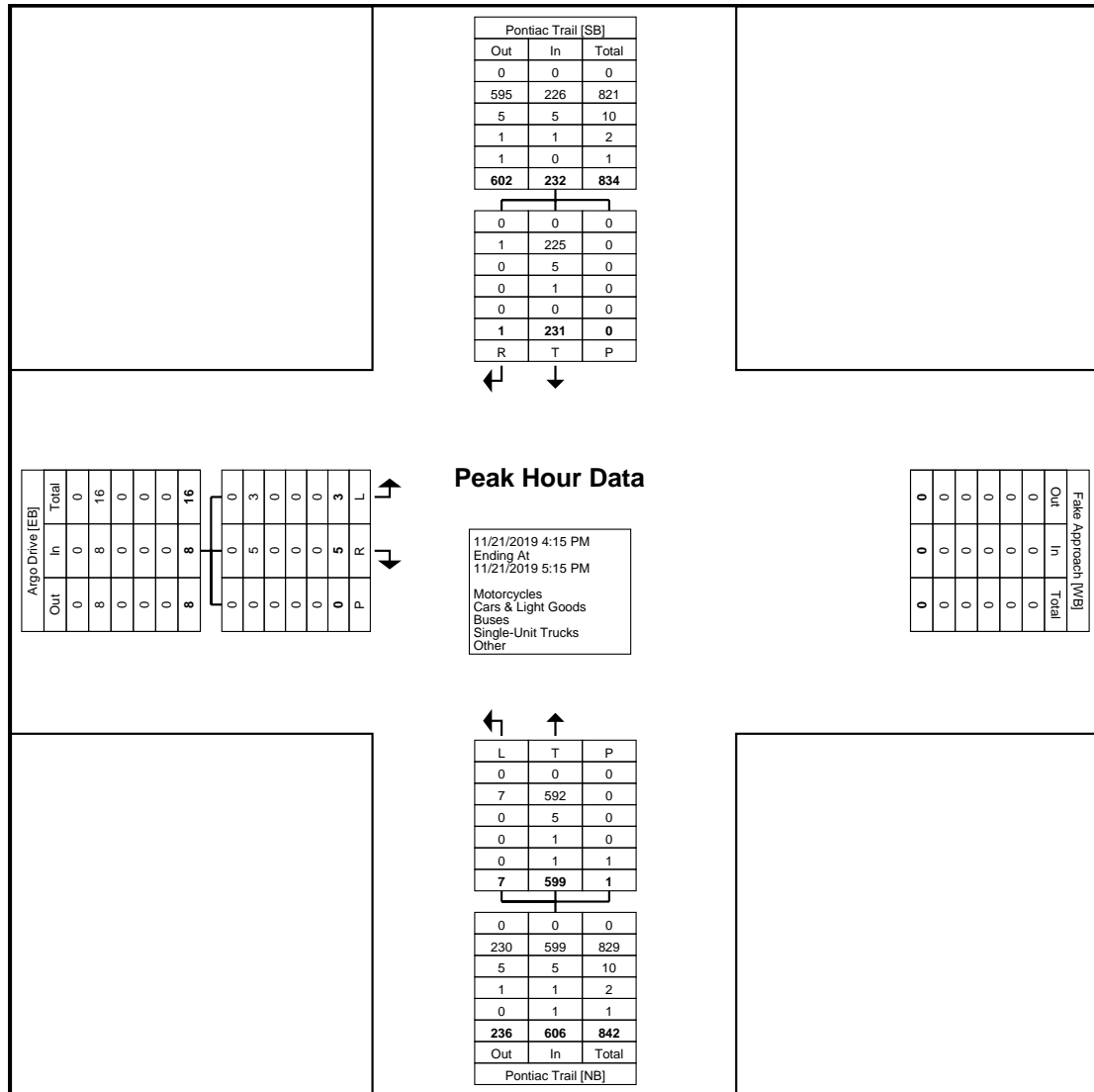
Start Time	Pontiac Trail Southbound				Pontiac Trail Northbound				Argo Drive Eastbound				Int. Total
	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
4:15 PM	0	56	0	56	147	3	0	150	1	0	0	1	207
4:30 PM	0	55	0	55	145	1	0	146	1	1	0	2	203
4:45 PM	1	60	0	61	129	2	0	131	2	2	0	4	196
5:00 PM	0	60	0	60	178	1	1	179	1	0	0	1	240
Total	1	231	0	232	599	7	1	606	5	3	0	8	846
Approach %	0.4	99.6	-	-	98.8	1.2	-	-	62.5	37.5	-	-	-
Total %	0.1	27.3	-	27.4	70.8	0.8	-	71.6	0.6	0.4	-	0.9	-
PHF	0.250	0.963	-	0.951	0.841	0.583	-	0.846	0.625	0.375	-	0.500	0.881
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	1	225	-	226	592	7	-	599	5	3	-	8	833
% Cars & Light Goods	100.0	97.4	-	97.4	98.8	100.0	-	98.8	100.0	100.0	-	100.0	98.5
Buses	0	5	-	5	5	0	-	5	0	0	-	0	10
% Buses	0.0	2.2	-	2.2	0.8	0.0	-	0.8	0.0	0.0	-	0.0	1.2
Single-Unit Trucks	0	1	-	1	1	0	-	1	0	0	-	0	2
% Single-Unit Trucks	0.0	0.4	-	0.4	0.2	0.0	-	0.2	0.0	0.0	-	0.0	0.2
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	1	0	-	1	0	0	-	0	1
% Bicycles on Road	0.0	0.0	-	0.0	0.2	0.0	-	0.2	0.0	0.0	-	0.0	0.1
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	1	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy AM /Lt
 Rain PM, Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_8
 Pontiac Trail & Argo_11-
 21-19
 Site Code: TMC_8
 Traffic Data Collection,
 LLC
 Start Date: 11/21/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:15 PM)



Project: Lower Town Area
Mobility Study
Corridor: Pontiac Trail
Weather: Cloudy AM /Lt
Rain PM, Temp. 40's
Video VCU ID#: SCU5DW
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_8
Pontiac Trail & Argo_11-
21-19
Site Code: TMC_8
Traffic Data Collection,
LLC
Start Date: 11/21/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized "T" intersection, Argo Dr. is stop controlled for Pontiac Trail at their intersection. VCU camera was located within SE intersection quadrant. Bike lanes exist on both sides of Pontiac Trail. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_8 Pontiac Trail & Argo_11-21-19 - TMC

Thu Nov 21, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728540, Location: 42.295153, -83.737838, Site Code: TMC_8 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Pontiac Trail Northbound					Argo Drive Eastbound					Int	
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*		
2019-11-21 6:00AM	0	62	0	62	0	8	0	0	8	0	0	0	0	0	0	0	70
6:15AM	0	84	0	84	0	7	0	0	7	0	0	0	0	0	0	0	91
6:30AM	0	110	0	110	0	10	0	0	10	0	1	0	0	1	1	121	
6:45AM	0	113	0	113	0	16	0	0	16	0	0	0	0	0	0	129	
Hourly Total	0	369	0	369	0	41	0	0	41	0	1	0	0	1	1	411	
7:00AM	0	124	0	124	0	19	0	0	19	0	4	0	0	4	1	147	
7:15AM	0	182	0	182	0	29	0	0	29	0	1	1	0	2	0	213	
7:30AM	0	187	0	187	0	46	0	0	46	0	2	1	0	3	3	236	
7:45AM	1	190	0	191	0	66	1	0	67	0	6	0	0	6	2	264	
Hourly Total	1	683	0	684	0	160	1	0	161	0	13	2	0	15	6	860	
8:00AM	0	202	0	202	0	38	0	0	38	0	2	1	0	3	4	243	
8:15AM	1	191	0	192	0	28	0	0	28	0	1	0	0	1	0	221	
8:30AM	0	148	0	148	0	28	0	0	28	1	5	2	0	7	0	183	
8:45AM	0	118	0	118	0	36	0	0	36	0	2	0	0	2	4	156	
Hourly Total	1	659	0	660	0	130	0	0	130	1	10	3	0	13	8	803	
9:00AM	1	87	0	88	0	27	0	0	27	0	1	0	0	1	0	116	
9:15AM	0	98	0	98	0	30	0	1	31	0	1	0	0	1	2	130	
9:30AM	0	76	0	76	0	29	1	0	30	0	1	0	0	1	0	107	
9:45AM	0	53	0	53	0	38	1	0	39	0	4	0	0	4	1	96	
Hourly Total	1	314	0	315	0	124	2	1	127	0	7	0	0	7	3	449	
10:00AM	0	59	0	59	0	30	0	0	30	0	2	1	0	3	1	92	
10:15AM	0	47	0	47	0	32	0	0	32	0	0	0	0	0	1	79	
10:30AM	1	59	0	60	0	37	0	0	37	0	1	0	0	1	1	98	
10:45AM	0	54	0	54	0	30	0	0	30	0	4	0	0	4	0	88	
Hourly Total	1	219	0	220	0	129	0	0	129	0	7	1	0	8	3	357	
11:00AM	0	46	0	46	0	32	0	0	32	0	1	0	0	1	0	79	
11:15AM	0	48	0	48	0	37	2	0	39	0	2	0	0	2	0	89	
11:30AM	0	46	0	46	0	38	1	0	39	0	4	0	0	4	0	89	
11:45AM	1	64	0	65	0	45	1	0	46	0	3	1	0	4	0	115	
Hourly Total	1	204	0	205	0	152	4	0	156	0	10	1	0	11	0	372	
12:00PM	0	34	0	34	0	58	0	0	58	0	0	0	0	0	0	92	
12:15PM	1	57	0	58	0	45	0	0	45	0	1	0	0	1	2	104	
12:30PM	0	48	0	48	0	46	1	0	47	0	3	0	0	3	0	98	
12:45PM	0	50	0	50	0	59	2	0	61	0	3	1	0	4	0	115	
Hourly Total	1	189	0	190	0	208	3	0	211	0	7	1	0	8	2	409	
1:00PM	0	51	0	51	0	46	0	0	46	0	1	0	0	1	0	98	
1:15PM	1	47	0	48	0	54	1	0	55	0	1	0	0	1	0	104	
1:30PM	1	58	0	59	0	52	0	0	52	0	0	0	0	0	0	111	
1:45PM	0	46	0	46	0	42	1	0	43	0	2	1	0	3	0	92	
Hourly Total	2	202	0	204	0	194	2	0	196	0	4	1	0	5	0	405	
2:00PM	0	34	0	34	0	53	1	0	54	0	0	0	0	0	1	88	
2:15PM	1	42	0	43	0	59	1	0	60	0	0	0	0	0	0	103	
2:30PM	0	45	0	45	0	80	2	0	82	0	1	0	0	1	1	128	
2:45PM	2	59	0	61	2	80	0	0	80	0	0	2	0	2	0	143	
Hourly Total	3	180	0	183	2	272	4	0	276	0	1	2	0	3	2	462	
3:00PM	1	39	0	40	0	111	2	0	113	0	2	1	0	3	1	156	
3:15PM	2	48	0	50	0	104	1	0	105	0	1	1	0	2	0	157	
3:30PM	0	83	0	83	0	128	5	0	133	0	1	0	0	1	4	217	
3:45PM	0	44	0	44	0	129	1	0	130	0	0	0	0	0	0	174	
Hourly Total	3	214	0	217	0	472	9	0	481	0	4	2	0	6	5	704	
4:00PM	0	53	0	53	0	124	0	0	124	0	1	0	0	1	3	178	
4:15PM	0	56	0	56	0	147	3	0	150	0	1	0	0	1	0	207	

Leg Direction	Pontiac Trail Southbound					Pontiac Trail Northbound					Argo Drive Eastbound					
Time	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	Int
4:30PM	0	55	0	55	0	145	1	0	146	0	1	1	0	2	0	203
4:45PM	1	60	0	61	0	129	2	0	131	0	2	2	0	4	0	196
Hourly Total	1	224	0	225	0	545	6	0	551	0	5	3	0	8	3	784
5:00PM	0	60	0	60	0	178	1	0	179	1	1	0	0	1	0	240
5:15PM	0	56	0	56	0	143	0	0	143	1	2	0	0	2	2	201
5:30PM	2	47	0	49	0	155	1	0	156	0	0	0	0	0	1	205
5:45PM	0	56	0	56	0	137	2	0	139	0	1	0	0	1	0	196
Hourly Total	2	219	0	221	0	613	4	0	617	2	4	0	0	4	3	842
6:00PM	0	49	0	49	0	115	1	0	116	0	1	0	0	1	1	166
6:15PM	0	59	0	59	0	87	1	0	88	0	0	0	0	0	1	147
6:30PM	0	64	0	64	0	83	1	0	84	0	2	0	0	2	1	150
6:45PM	0	38	0	38	0	52	0	0	52	0	0	0	0	0	0	90
Hourly Total	0	210	0	210	0	337	3	0	340	0	3	0	0	3	3	553
Total	17	3886	0	3903	2	3377	38	1	3416	3	76	16	0	92	39	7411
% Approach	0.4%	99.6%	0%	-	-	98.9%	1.1%	0%	-	-	82.6%	17.4%	0%	-	-	-
% Total	0.2%	52.4%	0%	52.7%	-	45.6%	0.5%	0%	46.1%	-	1.0%	0.2%	0%	1.2%	-	-
Motorcycles	1	0	0	1	-	0	0	0	0	-	1	0	0	1	-	2
% Motorcycles	5.9%	0%	0%	0%	-	0%	0%	0%	0%	-	1.3%	0%	0%	1.1%	-	0%
Lights	16	3808	0	3824	-	3298	38	1	3337	-	74	15	0	89	-	7250
% Lights	94.1%	98.0%	0%	98.0%	-	97.7%	100%	100%	97.7%	-	97.4%	93.8%	0%	96.7%	-	97.8%
Single-Unit Trucks	0	21	0	21	-	25	0	0	25	-	1	1	0	2	-	48
% Single-Unit Trucks	0%	0.5%	0%	0.5%	-	0.7%	0%	0%	0.7%	-	1.3%	6.3%	0%	2.2%	-	0.6%
Articulated Trucks	0	1	0	1	-	2	0	0	2	-	0	0	0	0	-	3
% Articulated Trucks	0%	0%	0%	0%	-	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0%
Buses	0	51	0	51	-	49	0	0	49	-	0	0	0	0	-	100
% Buses	0%	1.3%	0%	1.3%	-	1.5%	0%	0%	1.4%	-	0%	0%	0%	0%	-	1.3%
Bicycles on Road	0	5	0	5	-	3	0	0	3	-	0	0	0	0	-	8
% Bicycles on Road	0%	0.1%	0%	0.1%	-	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	2	-	-	-	-	3	-	-	-	-	35	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	89.7%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	4	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	10.3%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_8 Pontiac Trail & Argo_11-21-19 - TMC

Thu Nov 21, 2019

Full Length (6 AM-7 PM)

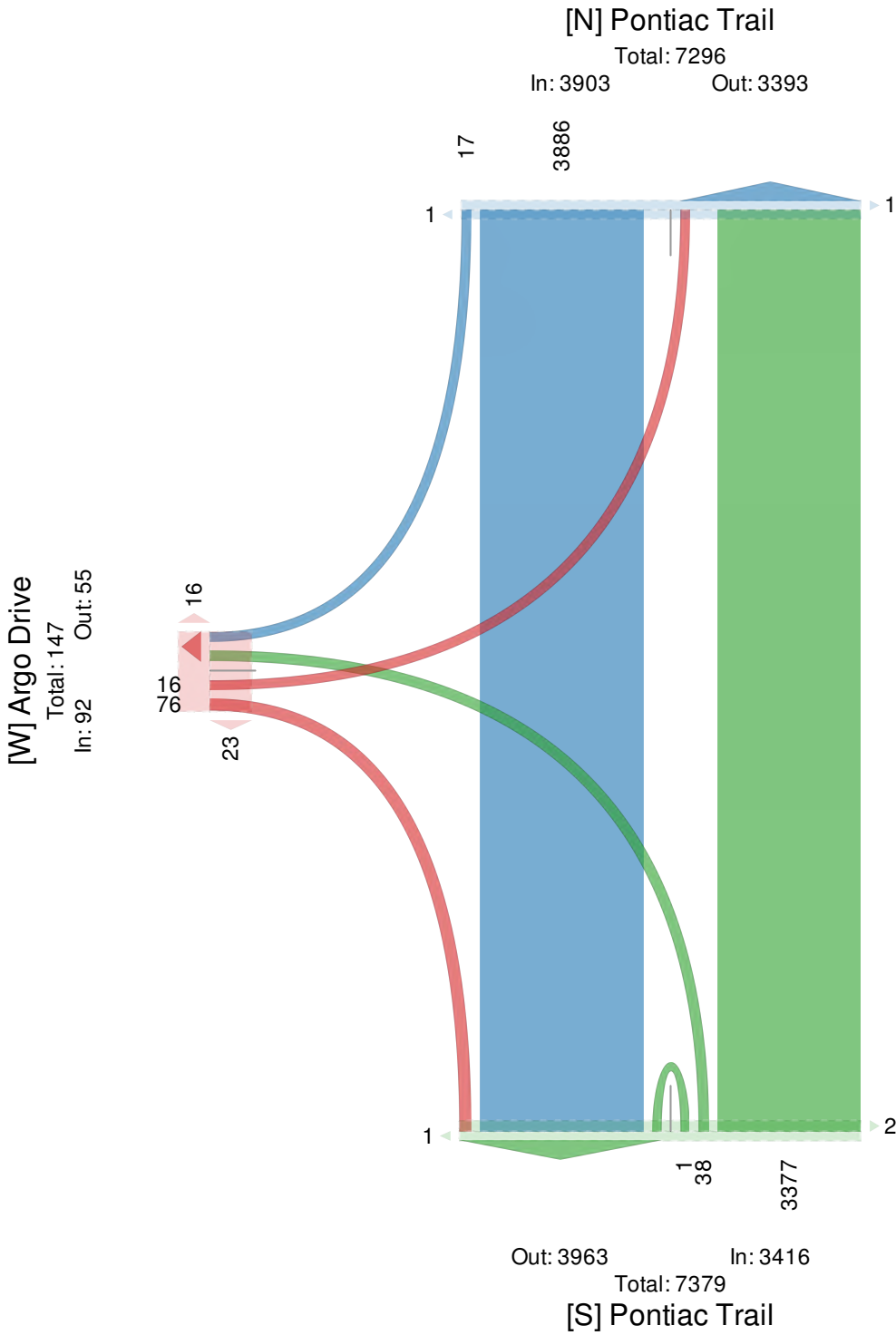
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728540, Location: 42.295153, -83.737838, Site Code: TMC_8 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_8 Pontiac Trail & Argo_11-21-19 - TMC

Thu Nov 21, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728540, Location: 42.295153, -83.737838, Site Code: TMC_8 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Pontiac Trail Northbound					Argo Drive Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2019-11-21 7:30AM	0	187	0	187	0	46	0	0	46	0	2	1	0	3	3	236
7:45AM	1	190	0	191	0	66	1	0	67	0	6	0	0	6	2	264
8:00AM	0	202	0	202	0	38	0	0	38	0	2	1	0	3	4	243
8:15AM	1	191	0	192	0	28	0	0	28	0	1	0	0	1	0	221
Total	2	770	0	772	0	178	1	0	179	0	11	2	0	13	9	964
% Approach	0.3%	99.7%	0%	-	-	99.4%	0.6%	0%	-	-	84.6%	15.4%	0%	-	-	-
% Total	0.2%	79.9%	0%	80.1%	-	18.5%	0.1%	0%	18.6%	-	1.1%	0.2%	0%	1.3%	-	-
PHF	0.500	0.952	-	0.954	-	0.674	0.250	-	0.668	-	0.458	0.500	-	0.542	-	0.912
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	2	758	0	760	-	171	1	0	172	-	11	2	0	13	-	945
% Lights	100%	98.4%	0%	98.4%	-	96.1%	100%	0%	96.1%	-	100%	100%	0%	100%	-	98.0%
Single-Unit Trucks	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Single-Unit Trucks	0%	0.1%	0%	0.1%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%
Articulated Trucks	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Articulated Trucks	0%	0.1%	0%	0.1%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%
Buses	0	9	0	9	-	7	0	0	7	-	0	0	0	0	-	16
% Buses	0%	1.2%	0%	1.2%	-	3.9%	0%	0%	3.9%	-	0%	0%	0%	0%	-	1.7%
Bicycles on Road	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Bicycles on Road	0%	0.1%	0%	0.1%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	9
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_8 Pontiac Trail & Argo_11-21-19 - TMC

Thu Nov 21, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

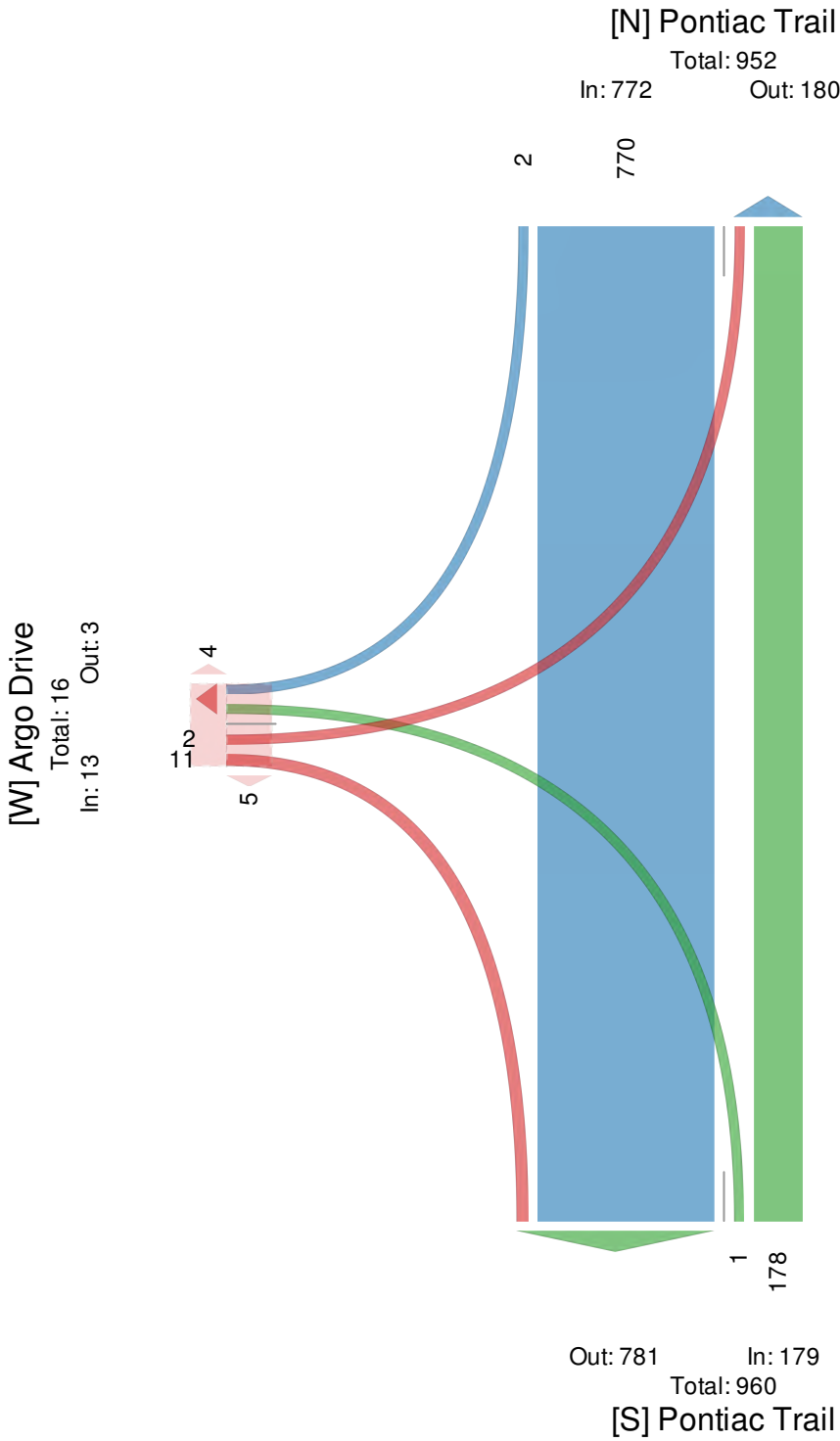
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728540, Location: 42.295153, -83.737838, Site Code: TMC_8 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_8 Pontiac Trail & Argo_11-21-19 - TMC

Thu Nov 21, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728540, Location: 42.295153, -83.737838, Site Code: TMC_8 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Pontiac Trail Northbound					Argo Drive Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2019-11-21 11:45AM	1	64	0	65	0	45	1	0	46	0	3	1	0	4	0	115
12:00PM	0	34	0	34	0	58	0	0	58	0	0	0	0	0	0	92
12:15PM	1	57	0	58	0	45	0	0	45	0	1	0	0	1	2	104
12:30PM	0	48	0	48	0	46	1	0	47	0	3	0	0	3	0	98
Total	2	203	0	205	0	194	2	0	196	0	7	1	0	8	2	409
% Approach	1.0%	99.0%	0%	-	-	99.0%	1.0%	0%	-	-	87.5%	12.5%	0%	-	-	-
% Total	0.5%	49.6%	0%	50.1%	-	47.4%	0.5%	0%	47.9%	-	1.7%	0.2%	0%	2.0%	-	-
PHF	0.500	0.793	-	0.788	-	0.836	0.500	-	0.845	-	0.583	0.250	-	0.500	-	0.889
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	2	199	0	201	-	189	2	0	191	-	7	1	0	8	-	400
% Lights	100%	98.0%	0%	98.0%	-	97.4%	100%	0%	97.4%	-	100%	100%	0%	100%	-	97.8%
Single-Unit Trucks	0	2	0	2	-	3	0	0	3	-	0	0	0	0	-	5
% Single-Unit Trucks	0%	1.0%	0%	1.0%	-	1.5%	0%	0%	1.5%	-	0%	0%	0%	0%	-	1.2%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	2	0	2	-	2	0	0	2	-	0	0	0	0	-	4
% Buses	0%	1.0%	0%	1.0%	-	1.0%	0%	0%	1.0%	-	0%	0%	0%	0%	-	1.0%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	2	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_8 Pontiac Trail & Argo_11-21-19 - TMC

Thu Nov 21, 2019

Midday Peak (11:45 AM - 12:45 PM)

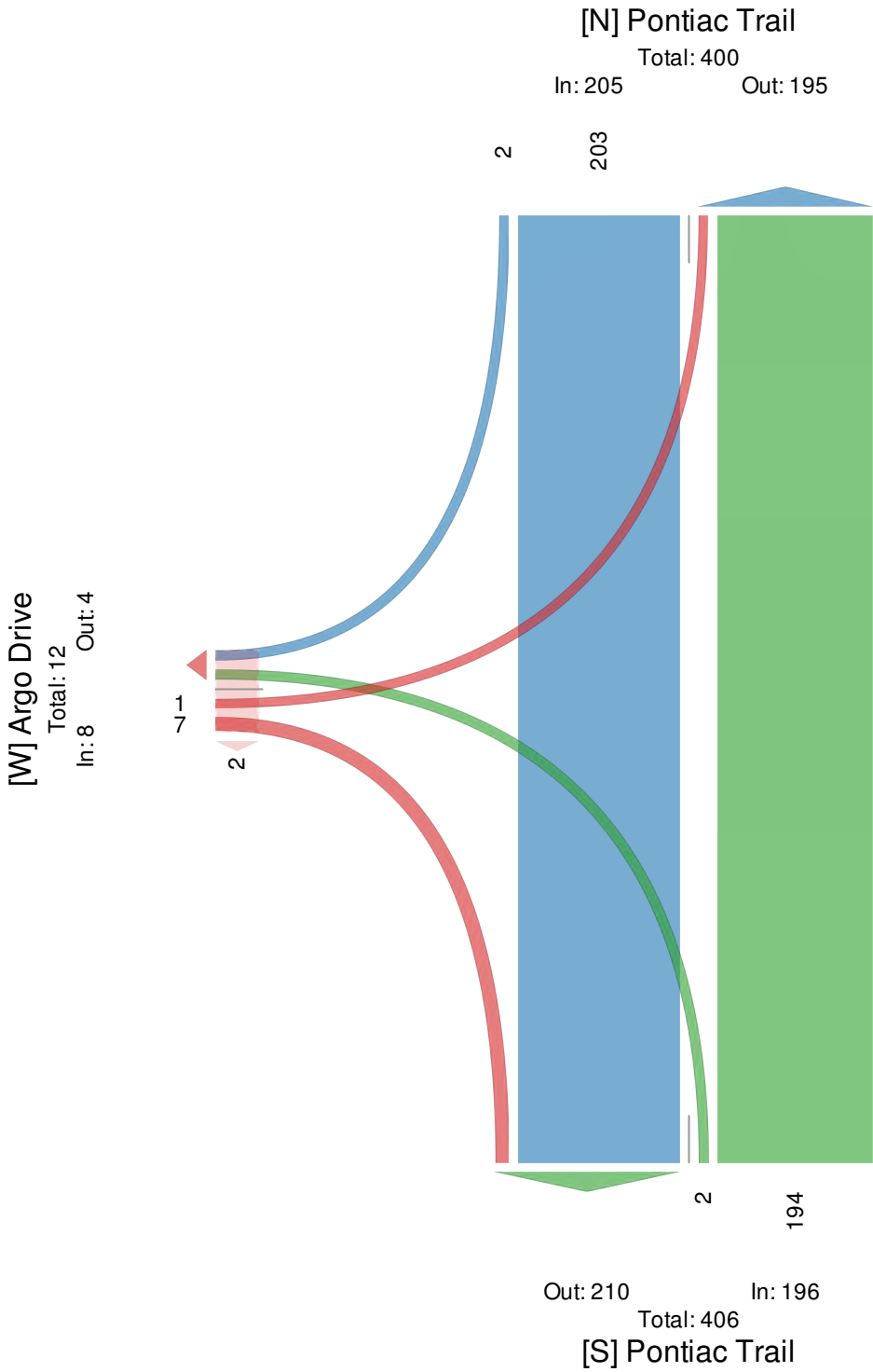
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728540, Location: 42.295153, -83.737838, Site Code: TMC_8 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_8 Pontiac Trail & Argo_11-21-19 - TMC

Thu Nov 21, 2019

PM Peak (4:15 PM - 5:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728540, Location: 42.295153, -83.737838, Site Code: TMC_8 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Pontiac Trail Northbound					Argo Drive Eastbound					
Time	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	Int
2019-11-21 4:15PM	0	56	0	56	0	147	3	0	150	0	1	0	0	1	0	207
4:30PM	0	55	0	55	0	145	1	0	146	0	1	1	0	2	0	203
4:45PM	1	60	0	61	0	129	2	0	131	0	2	2	0	4	0	196
5:00PM	0	60	0	60	0	178	1	0	179	1	1	0	0	1	0	240
Total	1	231	0	232	0	599	7	0	606	1	5	3	0	8	0	846
% Approach	0.4%	99.6%	0%	-	-	98.8%	1.2%	0%	-	-	62.5%	37.5%	0%	-	-	-
% Total	0.1%	27.3%	0%	27.4%	-	70.8%	0.8%	0%	71.6%	-	0.6%	0.4%	0%	0.9%	-	-
PHF	0.250	0.963	-	0.951	-	0.840	0.583	-	0.845	-	0.625	0.375	-	0.500	-	0.880
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	1	225	0	226	-	592	7	0	599	-	5	3	0	8	-	833
% Lights	100%	97.4%	0%	97.4%	-	98.8%	100%	0%	98.8%	-	100%	100%	0%	100%	-	98.5%
Single-Unit Trucks	0	1	0	1	-	1	0	0	1	-	0	0	0	0	-	2
% Single-Unit Trucks	0%	0.4%	0%	0.4%	-	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0.2%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	5	0	5	-	5	0	0	5	-	0	0	0	0	-	10
% Buses	0%	2.2%	0%	2.2%	-	0.8%	0%	0%	0.8%	-	0%	0%	0%	0%	-	1.2%
Bicycles on Road	0	0	0	0	-	1	0	0	1	-	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	-	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_8 Pontiac Trail & Argo_11-21-19 - TMC

Thu Nov 21, 2019

PM Peak (4:15 PM - 5:15 PM)

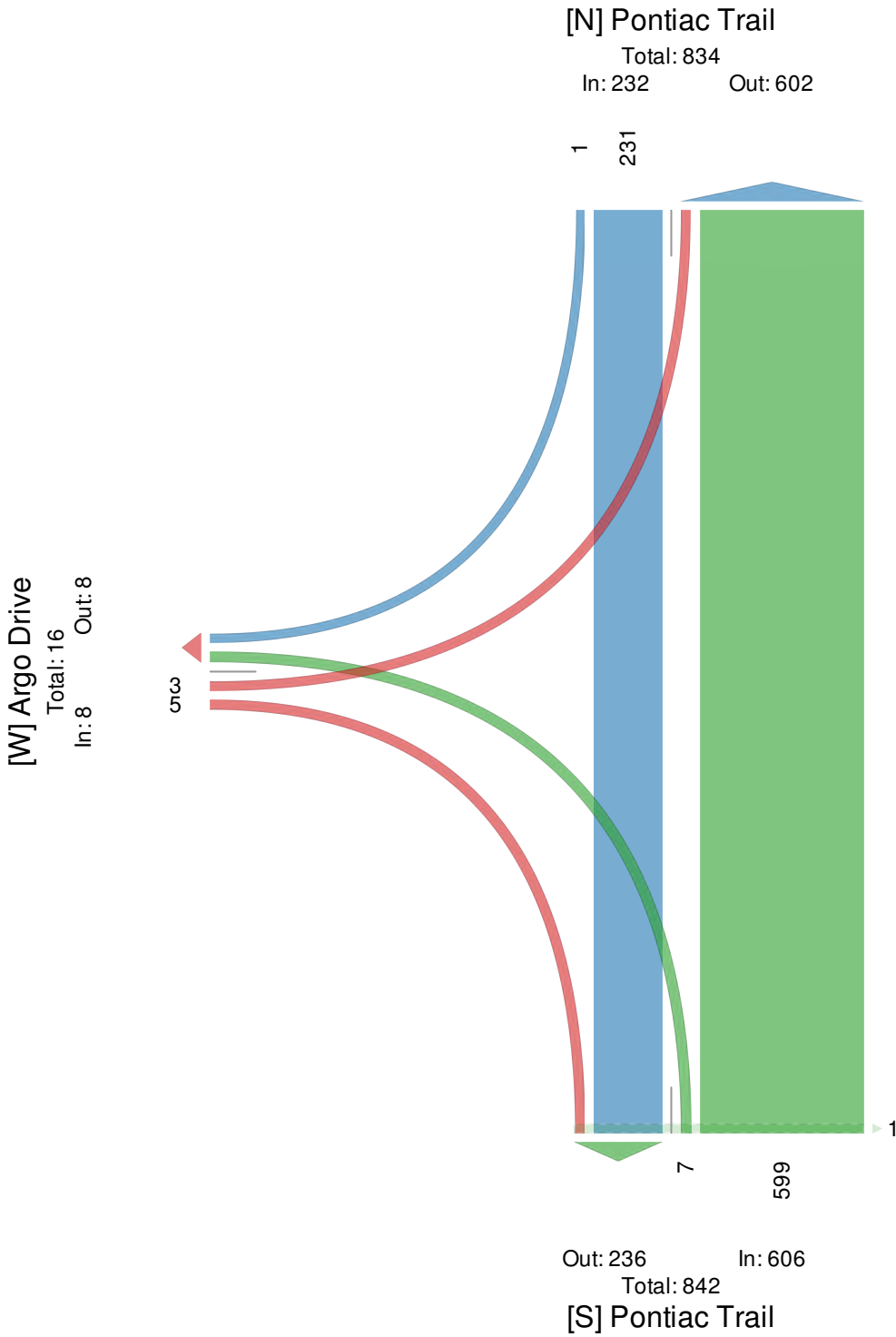
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728540, Location: 42.295153, -83.737838, Site Code: TMC_8 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US





Project: Lower Town Area
Mobility Study
Corridor: Pontiac Trail
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU4BT
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_9
Pontiac Trail &
Moore_Longshore_11-19-19
Site Code: TMC_9
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 1

Turning Movement Data

Start Time	Pontiac Trail Southbound					Moore Street Westbound					Northbound St. Northbound		Longshore Drive Eastbound					Int. Total
	Right	Thru	U-Turn	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Peds	App. Total	Right	Left	U-Turn	Peds	App. Total	
6:00 AM	0	57	0	1	57	6	0	1	2	7	1	0	1	2	0	1	3	67
6:15 AM	0	89	0	0	89	6	0	0	0	6	0	0	0	0	0	0	0	95
6:30 AM	0	93	0	0	93	11	0	1	1	12	3	0	1	0	0	3	1	106
6:45 AM	0	121	0	1	121	11	1	2	0	14	2	0	1	2	0	2	3	138
Hourly Total	0	360	0	2	360	34	1	4	3	39	6	0	3	4	0	6	7	406
7:00 AM	0	130	0	1	130	21	1	4	0	26	1	0	2	0	0	1	2	158
7:15 AM	0	160	0	1	160	32	2	3	0	37	2	0	1	1	0	0	2	199
7:30 AM	0	203	0	0	203	60	1	3	1	64	3	0	2	1	0	3	3	270
7:45 AM	0	187	0	4	187	43	2	4	1	49	1	0	2	0	0	1	2	238
Hourly Total	0	680	0	6	680	156	6	14	2	176	7	0	7	2	0	5	9	865
8:00 AM	0	198	0	3	198	33	3	10	0	46	1	0	3	0	0	0	3	247
8:15 AM	0	208	0	4	208	24	6	11	0	41	2	0	3	2	0	2	5	254
8:30 AM	0	145	0	6	145	21	2	7	1	30	3	0	3	1	0	3	4	179
8:45 AM	3	190	0	5	193	32	4	12	1	48	2	0	3	0	0	2	3	244
Hourly Total	3	741	0	18	744	110	15	40	2	165	8	0	12	3	0	7	15	924
9:00 AM	0	97	0	3	97	27	1	2	0	30	1	0	4	2	0	2	6	133
9:15 AM	1	79	0	2	80	24	2	2	1	28	1	0	2	0	0	0	2	110
9:30 AM	1	76	0	3	77	29	0	5	1	34	4	0	2	0	0	4	2	113
9:45 AM	0	71	0	4	71	32	2	2	1	36	0	0	2	1	0	1	3	110
Hourly Total	2	323	0	12	325	112	5	11	3	128	6	0	10	3	0	7	13	466
10:00 AM	0	51	0	3	51	33	4	3	0	40	1	0	1	0	0	0	1	92
10:15 AM	0	60	0	1	60	35	4	5	0	44	1	0	1	1	0	0	2	106
10:30 AM	1	45	0	1	46	28	2	3	1	33	1	0	1	0	0	1	1	80
10:45 AM	0	39	0	0	39	26	3	2	0	31	0	0	0	0	0	0	0	70
Hourly Total	1	195	0	5	196	122	13	13	1	148	3	0	3	1	0	1	4	348
11:00 AM	0	44	0	1	44	43	2	2	0	47	1	0	1	0	0	2	1	92
11:15 AM	1	49	0	0	50	45	2	3	0	50	0	0	2	1	0	0	3	103
11:30 AM	0	47	0	0	47	41	2	2	0	45	0	0	0	1	0	0	1	93
11:45 AM	1	40	0	0	41	42	3	11	0	56	1	0	4	1	0	1	5	102
Hourly Total	2	180	0	1	182	171	9	18	0	198	2	0	7	3	0	3	10	390
12:00 PM	0	45	0	2	45	44	2	5	0	51	0	0	1	1	0	0	2	98
12:15 PM	1	37	0	0	38	40	1	5	0	46	0	0	3	0	0	0	3	87
12:30 PM	0	43	0	0	43	46	3	3	0	52	1	0	0	1	0	0	1	96
12:45 PM	3	42	0	1	45	45	3	3	0	51	0	0	2	2	0	0	4	100
Hourly Total	4	167	0	3	171	175	9	16	0	200	1	0	6	4	0	0	10	381
1:00 PM	0	46	0	0	46	48	4	4	0	56	0	0	0	0	0	0	0	102
1:15 PM	0	47	0	4	47	37	0	5	0	42	2	0	3	0	0	0	3	92
1:30 PM	0	42	0	0	42	42	4	3	3	49	0	0	2	0	0	0	2	93
1:45 PM	0	37	0	0	37	46	3	4	1	53	0	0	0	3	0	0	3	93
Hourly Total	0	172	0	4	172	173	11	16	4	200	2	0	5	3	0	0	8	380
2:00 PM	0	38	0	0	38	62	1	0	2	63	1	0	0	0	0	0	0	101
2:15 PM	0	37	0	1	37	73	1	6	0	80	2	0	2	2	0	2	4	121
2:30 PM	1	51	0	3	52	93	11	4	0	108	1	0	0	0	0	1	0	160
2:45 PM	0	58	0	1	58	71	3	4	0	78	1	0	1	0	0	1	1	137
Hourly Total	1	184	0	5	185	299	16	14	2	329	5	0	3	2	0	4	5	519
3:00 PM	1	46	0	1	47	116	2	7	0	125	2	0	6	0	0	2	6	178
3:15 PM	2	67	0	4	69	117	4	5	0	126	0	0	0	0	0	0	0	195
3:30 PM	1	70	0	1	71	126	4	11	1	141	1	0	4	0	0	1	4	216
3:45 PM	1	49	0	3	50	94	0	6	0	100	1	0	1	1	0	1	2	152
Hourly Total	5	232	0	9	237	453	10	29	1	492	4	0	11	1	0	4	12	741
4:00 PM	1	42	0	1	43	127	11	7	0	145	2	0	2	2	0	2	4	192
4:15 PM	3	39	0	6	42	162	1	7	1	170	2	0	7	2	0	2	9	221
4:30 PM	0	57	0	7	57	155	3	3	0	161	1	0	1	1	0	1	2	220
4:45 PM	1	54	0	5	55	189	5	3	5	197	1	0	1	1	0	1	2	254
Hourly Total	5	192	0	19	197	633	20	20	6	673	6	0	11	6	0	6	17	887
5:00 PM	0	51	0	1	51	135	4	4	0	143	3	0	1	2	0	4	3	197
5:15 PM	0	86	0	5	86	129	3	5	0	137	2	0	1	1	0	2	2	225

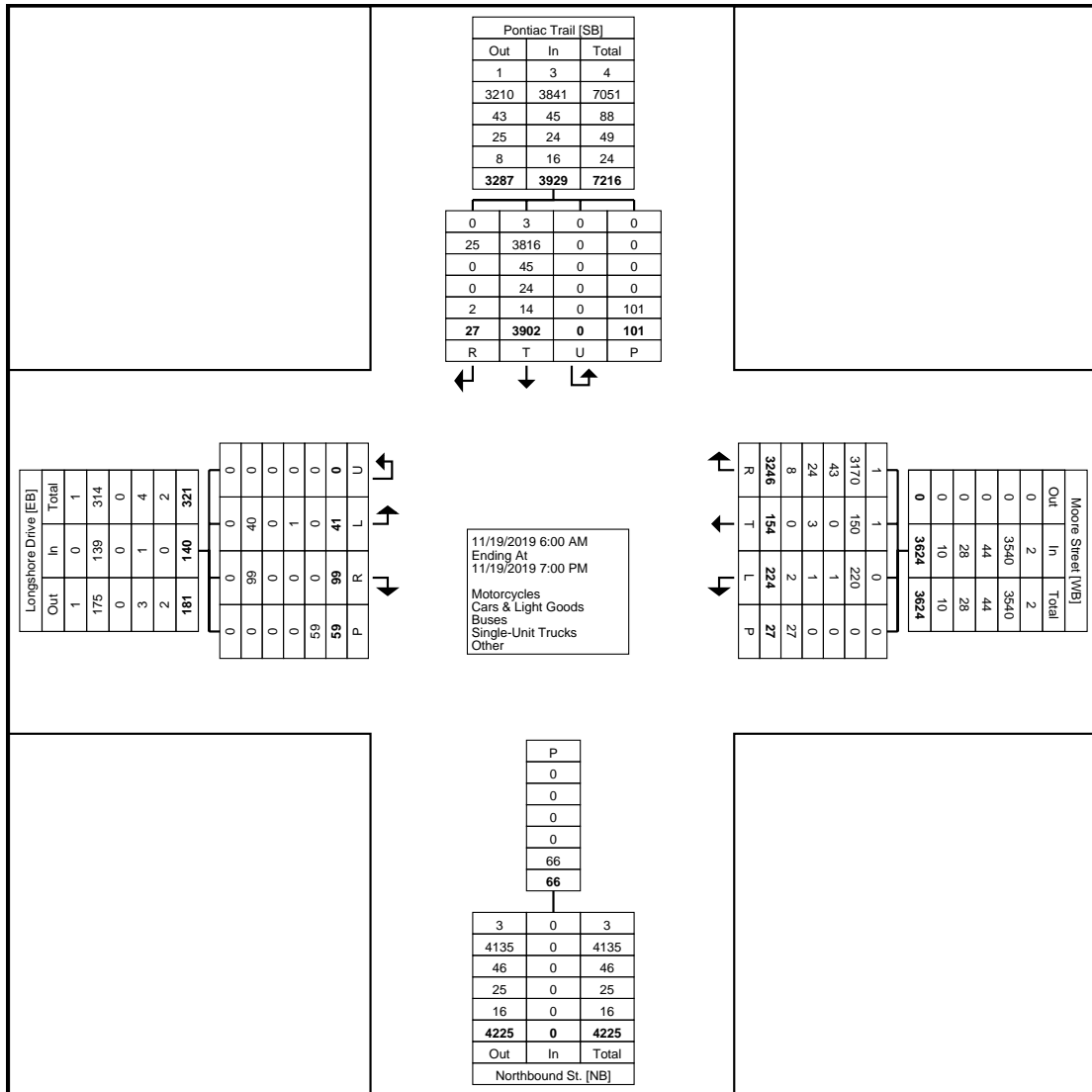
5:30 PM	1	68	0	3	69	139	11	1	2	151	2	0	3	1	0	2	4	224
5:45 PM	1	60	0	3	61	104	7	6	1	117	4	0	9	2	0	4	11	189
Hourly Total	2	265	0	12	267	507	25	16	3	548	11	0	14	6	0	12	20	835
6:00 PM	1	53	0	2	54	100	4	5	0	109	2	0	0	0	0	1	0	163
6:15 PM	1	59	0	1	60	75	5	1	0	81	1	0	0	0	0	1	0	141
6:30 PM	0	49	0	1	49	54	3	4	0	61	1	0	1	1	0	1	2	112
6:45 PM	0	50	0	1	50	72	2	3	0	77	1	0	6	2	0	1	8	135
Hourly Total	2	211	0	5	213	301	14	13	0	328	5	0	7	3	0	4	10	551
Grand Total	27	3902	0	101	3929	3246	154	224	27	3624	66	0	99	41	0	59	140	7693
Approach %	0.7	99.3	0.0	-	-	89.6	4.2	6.2	-	-	-	-	70.7	29.3	0.0	-	-	-
Total %	0.4	50.7	0.0	-	51.1	42.2	2.0	2.9	-	47.1	-	0.0	1.3	0.5	0.0	-	1.8	-
Motorcycles	0	3	0	-	3	1	1	0	-	2	-	0	0	0	0	-	0	5
% Motorcycles	0.0	0.1	-	-	0.1	0.0	0.6	0.0	-	0.1	-	-	0.0	0.0	-	-	0.0	0.1
Cars & Light Goods	25	3816	0	-	3841	3170	150	220	-	3540	-	0	99	40	0	-	139	7520
% Cars & Light Goods	92.6	97.8	-	-	97.8	97.7	97.4	98.2	-	97.7	-	-	100.0	97.6	-	-	99.3	97.8
Buses	0	45	0	-	45	43	0	1	-	44	-	0	0	0	0	-	0	89
% Buses	0.0	1.2	-	-	1.1	1.3	0.0	0.4	-	1.2	-	-	0.0	0.0	-	-	0.0	1.2
Single-Unit Trucks	0	24	0	-	24	24	3	1	-	28	-	0	0	1	0	-	1	53
% Single-Unit Trucks	0.0	0.6	-	-	0.6	0.7	1.9	0.4	-	0.8	-	-	0.0	2.4	-	-	0.7	0.7
Articulated Trucks	0	1	0	-	1	4	0	1	-	5	-	0	0	0	0	-	0	6
% Articulated Trucks	0.0	0.0	-	-	0.0	0.1	0.0	0.4	-	0.1	-	-	0.0	0.0	-	-	0.0	0.1
Bicycles on Road	2	13	0	-	15	4	0	1	-	5	-	0	0	0	0	-	0	20
% Bicycles on Road	7.4	0.3	-	-	0.4	0.1	0.0	0.4	-	0.1	-	-	0.0	0.0	-	-	0.0	0.3
Bicycles on Crosswalk	-	-	-	6	-	-	-	-	2	-	2	-	-	-	-	3	-	-
% Bicycles on Crosswalk	-	-	-	5.9	-	-	-	-	7.4	-	3.0	-	-	-	-	5.1	-	-
Pedestrians	-	-	-	95	-	-	-	-	25	-	64	-	-	-	-	56	-	-
% Pedestrians	-	-	-	94.1	-	-	-	-	92.6	-	97.0	-	-	-	-	94.9	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4BT
 SE

Count Name: TMC_9
 Pontiac Trail &
 Moore_Longshore_11-19-19
 Site Code: TMC_9
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4BT
 SE

Count Name: TMC_9
 Pontiac Trail &
 Moore_Longshore_11-19-19
 Site Code: TMC_9
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:30 AM)

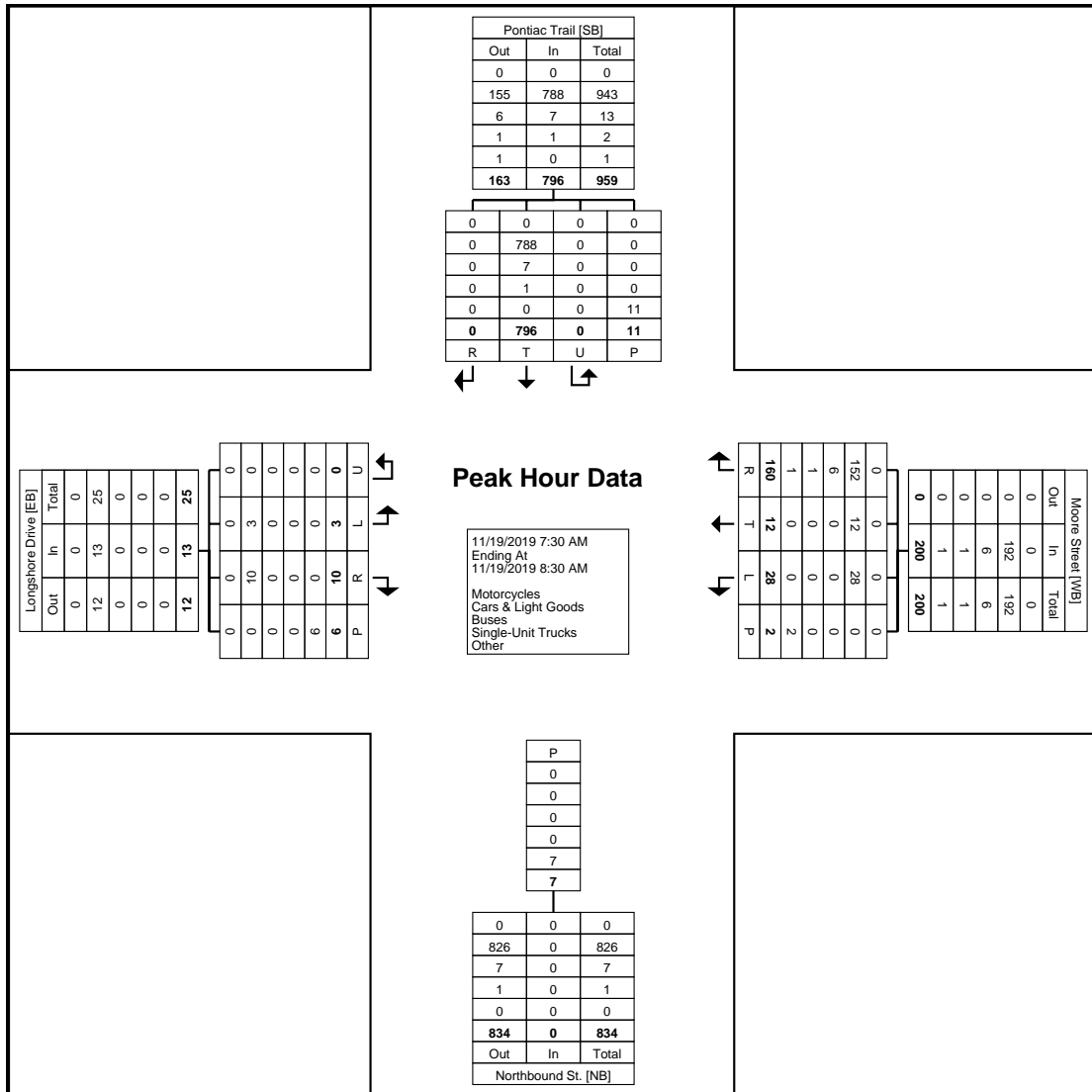
Start Time	Pontiac Trail Southbound					Moore Street Westbound					Northbound St. Northbound		Longshore Drive Eastbound					Int. Total
	Right	Thru	U-Turn	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Peds	App. Total	Right	Left	U-Turn	Peds	App. Total	
7:30 AM	0	203	0	0	203	60	1	3	1	64	3	0	2	1	0	3	3	270
7:45 AM	0	187	0	4	187	43	2	4	1	49	1	0	2	0	0	1	2	238
8:00 AM	0	198	0	3	198	33	3	10	0	46	1	0	3	0	0	0	3	247
8:15 AM	0	208	0	4	208	24	6	11	0	41	2	0	3	2	0	2	5	254
Total	0	796	0	11	796	160	12	28	2	200	7	0	10	3	0	6	13	1009
Approach %	0.0	100.0	0.0	-	-	80.0	6.0	14.0	-	-	-	-	76.9	23.1	0.0	-	-	-
Total %	0.0	78.9	0.0	-	78.9	15.9	1.2	2.8	-	19.8	-	0.0	1.0	0.3	0.0	-	1.3	-
PHF	0.000	0.957	0.000	-	0.957	0.667	0.500	0.636	-	0.781	-	0.000	0.833	0.375	0.000	-	0.650	0.934
Motorcycles	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0	0
% Motorcycles	-	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	0	788	0	-	788	152	12	28	-	192	-	0	10	3	0	-	13	993
% Cars & Light Goods	-	99.0	-	-	99.0	95.0	100.0	100.0	-	96.0	-	-	100.0	100.0	-	-	100.0	98.4
Buses	0	7	0	-	7	6	0	0	-	6	-	0	0	0	0	-	0	13
% Buses	-	0.9	-	-	0.9	3.8	0.0	0.0	-	3.0	-	-	0.0	0.0	-	-	0.0	1.3
Single-Unit Trucks	0	1	0	-	1	1	0	0	-	1	-	0	0	0	0	-	0	2
% Single-Unit Trucks	-	0.1	-	-	0.1	0.6	0.0	0.0	-	0.5	-	-	0.0	0.0	-	-	0.0	0.2
Articulated Trucks	0	0	0	-	0	1	0	0	-	1	-	0	0	0	0	-	0	1
% Articulated Trucks	-	0.0	-	-	0.0	0.6	0.0	0.0	-	0.5	-	-	0.0	0.0	-	-	0.0	0.1
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0	0
% Bicycles on Road	-	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	1	-	-	-	-	0	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	9.1	-	-	-	-	0.0	-	0.0	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	10	-	-	-	-	2	-	7	-	-	-	-	6	-	-
% Pedestrians	-	-	-	90.9	-	-	-	-	100.0	-	100.0	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4BT
 SE

Count Name: TMC_9
 Pontiac Trail &
 Moore_Longshore_11-19-19
 Site Code: TMC_9
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:30 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4BT
 SE

Count Name: TMC_9
 Pontiac Trail &
 Moore_Longshore_11-19-19
 Site Code: TMC_9
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:15 AM)

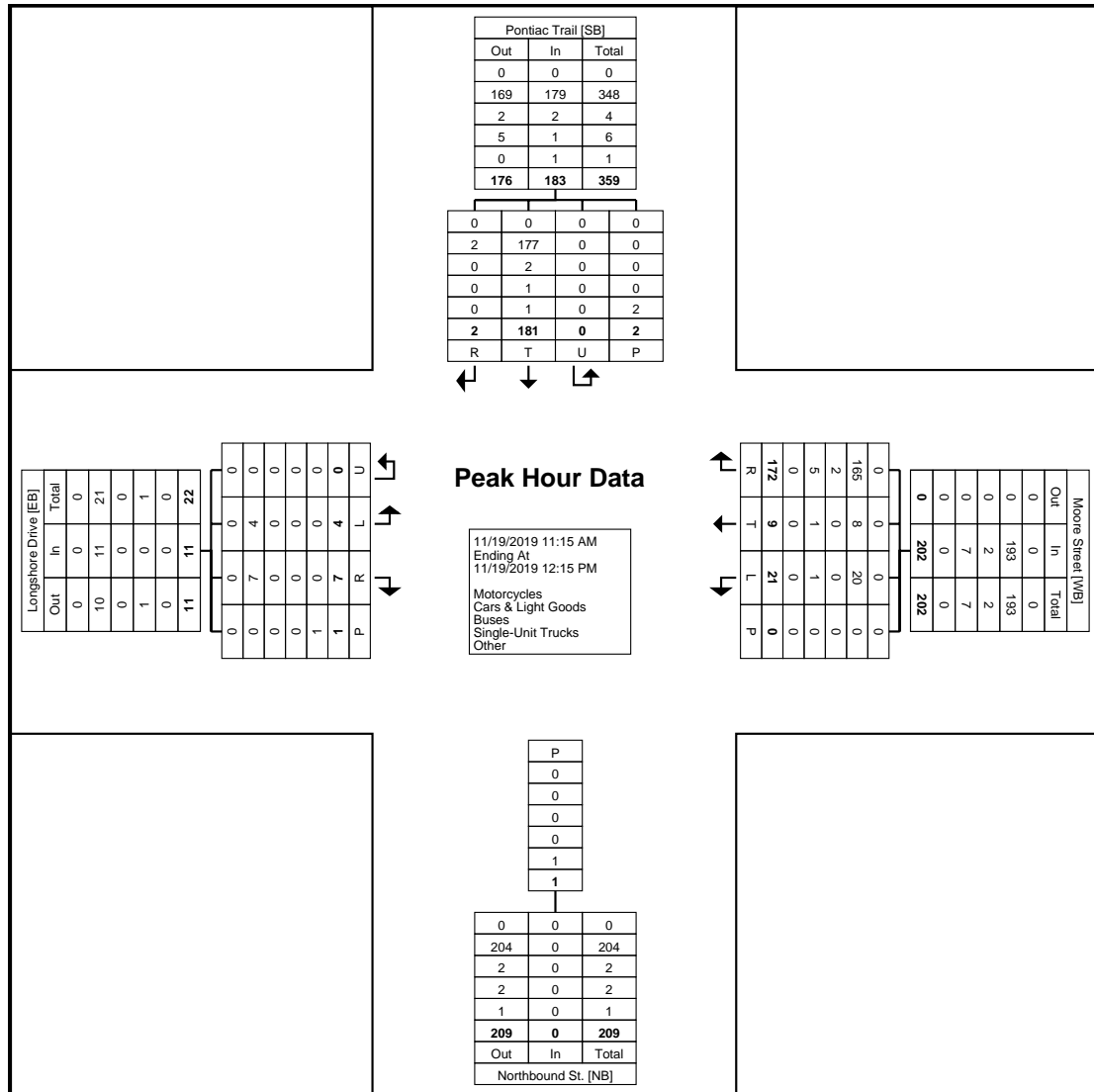
Start Time	Pontiac Trail Southbound					Moore Street Westbound					Northbound St. Northbound		Longshore Drive Eastbound					Int. Total
	Right	Thru	U-Turn	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Peds	App. Total	Right	Left	U-Turn	Peds	App. Total	
11:15 AM	1	49	0	0	50	45	2	3	0	50	0	0	2	1	0	0	3	103
11:30 AM	0	47	0	0	47	41	2	2	0	45	0	0	0	1	0	0	1	93
11:45 AM	1	40	0	0	41	42	3	11	0	56	1	0	4	1	0	1	5	102
12:00 PM	0	45	0	2	45	44	2	5	0	51	0	0	1	1	0	0	2	98
Total	2	181	0	2	183	172	9	21	0	202	1	0	7	4	0	1	11	396
Approach %	1.1	98.9	0.0	-	-	85.1	4.5	10.4	-	-	-	-	63.6	36.4	0.0	-	-	-
Total %	0.5	45.7	0.0	-	46.2	43.4	2.3	5.3	-	51.0	-	0.0	1.8	1.0	0.0	-	2.8	-
PHF	0.500	0.923	0.000	-	0.915	0.956	0.750	0.477	-	0.902	-	0.000	0.438	1.000	0.000	-	0.550	0.961
Motorcycles	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	2	177	0	-	179	165	8	20	-	193	-	0	7	4	0	-	11	383
% Cars & Light Goods	100.0	97.8	-	-	97.8	95.9	88.9	95.2	-	95.5	-	-	100.0	100.0	-	-	100.0	96.7
Buses	0	2	0	-	2	2	0	0	-	2	-	0	0	0	0	-	0	4
% Buses	0.0	1.1	-	-	1.1	1.2	0.0	0.0	-	1.0	-	-	0.0	0.0	-	-	0.0	1.0
Single-Unit Trucks	0	1	0	-	1	5	1	1	-	7	-	0	0	0	0	-	0	8
% Single-Unit Trucks	0.0	0.6	-	-	0.5	2.9	11.1	4.8	-	3.5	-	-	0.0	0.0	-	-	0.0	2.0
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	1	0	-	1	0	0	0	-	0	-	0	0	0	0	-	0	1
% Bicycles on Road	0.0	0.6	-	-	0.5	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.3
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	-	-	0.0	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	2	-	-	-	-	0	-	1	-	-	-	-	1	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	-	-	100.0	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4BT
 SE

Count Name: TMC_9
 Pontiac Trail &
 Moore_Longshore_11-19-19
 Site Code: TMC_9
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4BT
 SE

Count Name: TMC_9
 Pontiac Trail &
 Moore_Longshore_11-19-19
 Site Code: TMC_9
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:45 PM)

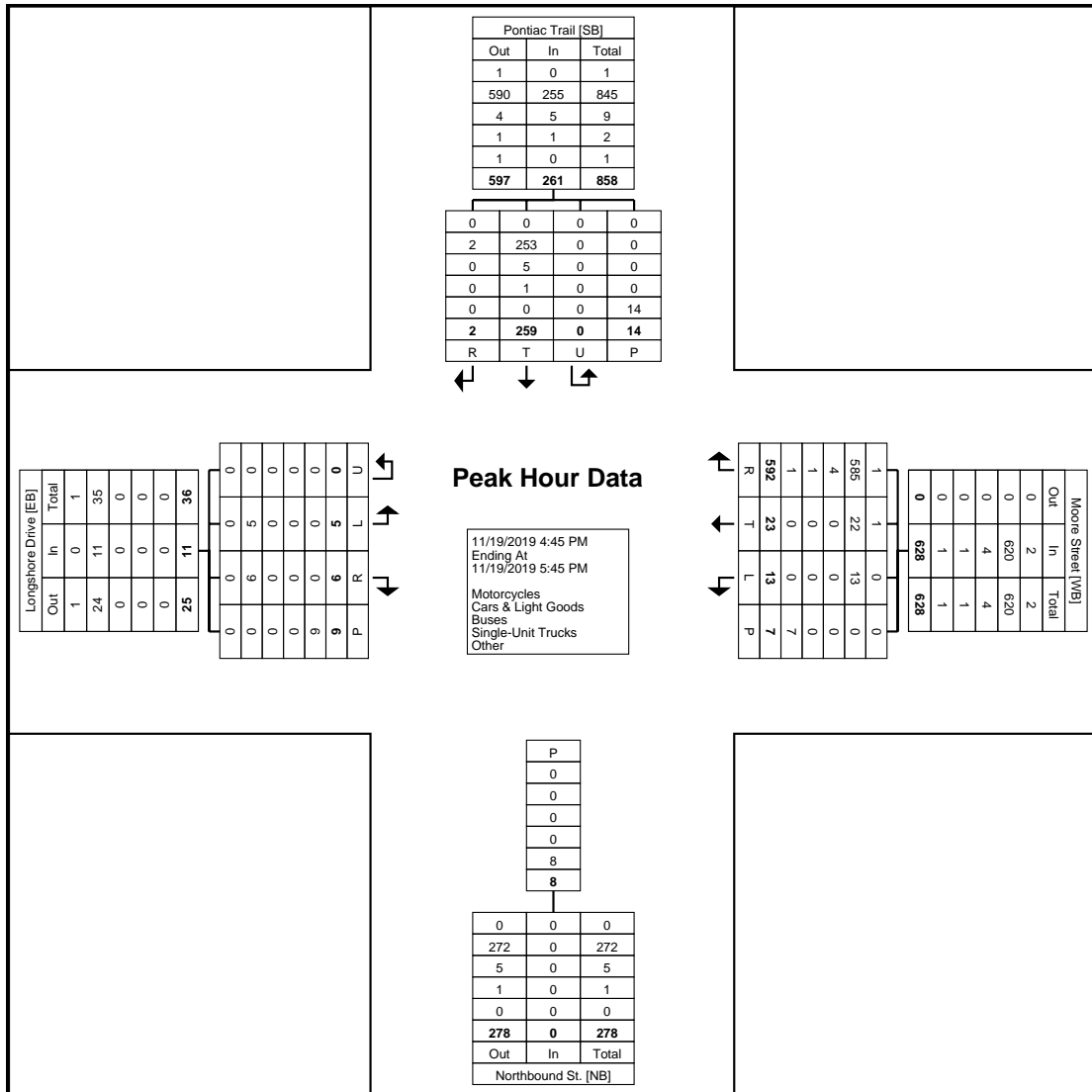
Start Time	Pontiac Trail Southbound					Moore Street Westbound					Northbound St. Northbound		Longshore Drive Eastbound					Int. Total
	Right	Thru	U-Turn	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Peds	App. Total	Right	Left	U-Turn	Peds	App. Total	
4:45 PM	1	54	0	5	55	189	5	3	5	197	1	0	1	1	0	1	2	254
5:00 PM	0	51	0	1	51	135	4	4	0	143	3	0	1	2	0	4	3	197
5:15 PM	0	86	0	5	86	129	3	5	0	137	2	0	1	1	0	2	2	225
5:30 PM	1	68	0	3	69	139	11	1	2	151	2	0	3	1	0	2	4	224
Total	2	259	0	14	261	592	23	13	7	628	8	0	6	5	0	9	11	900
Approach %	0.8	99.2	0.0	-	-	94.3	3.7	2.1	-	-	-	-	54.5	45.5	0.0	-	-	-
Total %	0.2	28.8	0.0	-	29.0	65.8	2.6	1.4	-	69.8	-	0.0	0.7	0.6	0.0	-	1.2	-
PHF	0.500	0.753	0.000	-	0.759	0.783	0.523	0.650	-	0.797	-	0.000	0.500	0.625	0.000	-	0.688	0.886
Motorcycles	0	0	0	-	0	1	1	0	-	2	-	0	0	0	0	-	0	2
% Motorcycles	0.0	0.0	-	-	0.0	0.2	4.3	0.0	-	0.3	-	-	0.0	0.0	-	-	0.0	0.2
Cars & Light Goods	2	253	0	-	255	585	22	13	-	620	-	0	6	5	0	-	11	886
% Cars & Light Goods	100.0	97.7	-	-	97.7	98.8	95.7	100.0	-	98.7	-	-	100.0	100.0	-	-	100.0	98.4
Buses	0	5	0	-	5	4	0	0	-	4	-	0	0	0	0	-	0	9
% Buses	0.0	1.9	-	-	1.9	0.7	0.0	0.0	-	0.6	-	-	0.0	0.0	-	-	0.0	1.0
Single-Unit Trucks	0	1	0	-	1	1	0	0	-	1	-	0	0	0	0	-	0	2
% Single-Unit Trucks	0.0	0.4	-	-	0.4	0.2	0.0	0.0	-	0.2	-	-	0.0	0.0	-	-	0.0	0.2
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	1	0	0	-	1	-	0	0	0	0	-	0	1
% Bicycles on Road	0.0	0.0	-	-	0.0	0.2	0.0	0.0	-	0.2	-	-	0.0	0.0	-	-	0.0	0.1
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	0	-	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	0.0	-	0.0	-	-	-	-	11.1	-	-
Pedestrians	-	-	-	14	-	-	-	-	7	-	8	-	-	-	-	8	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	100.0	-	100.0	-	-	-	-	88.9	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4BT
 SE

Count Name: TMC_9
 Pontiac Trail &
 Moore_Longshore_11-19-19
 Site Code: TMC_9
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:45 PM)



Project: Lower Town Area
Mobility Study
Corridor: Pontiac Trail
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU4BT
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_9
Pontiac Trail &
Moore_Longshore_11-19-19
Site Code: TMC_9
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized intersection, Moore St / Longshore Dr are stop controlled for Pontiac Trail at their intersection. R/R Xing's located immediately north & west of intersection. VCU camera was located within SW intersection quadrant. Bike lanes exist on both sides of Pontiac Trail. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_9 Pontiac Trail & Moore_Longshore_11-19-... - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728510, Location: 42.290838, -83.739461, Site Code: TMC_9 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Moore Street Westbound					South Northbound		Longshore Drive Eastbound					Int
	R	T	U	App	Ped*	R	T	L	App	Ped*	App	Ped*	R	L	U	App	Ped*	
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	App	Ped*	R	L	U	App	Ped*	Int
2019-11-19 6:00AM	0	57	0	57	1	6	0	1	7	2	0	1	1	2	0	3	1	67
6:15AM	0	89	0	89	0	6	0	0	6	0	0	0	0	0	0	0	0	95
6:30AM	0	93	0	93	0	11	0	1	12	1	0	3	1	0	0	1	3	106
6:45AM	0	121	0	121	1	11	1	2	14	0	0	2	1	2	0	3	2	138
Hourly Total	0	360	0	360	2	34	1	4	39	3	0	6	3	4	0	7	6	406
7:00AM	0	130	0	130	1	21	1	4	26	0	0	1	2	0	0	2	1	158
7:15AM	0	160	0	160	1	32	2	3	37	0	0	2	1	1	0	2	0	199
7:30AM	0	203	0	203	0	60	1	3	64	1	0	3	2	1	0	3	3	270
7:45AM	0	187	0	187	4	43	2	4	49	1	0	1	2	0	0	2	1	238
Hourly Total	0	680	0	680	6	156	6	14	176	2	0	7	7	2	0	9	5	865
8:00AM	0	198	0	198	3	33	3	10	46	0	0	1	3	0	0	3	0	247
8:15AM	0	208	0	208	4	24	6	11	41	0	0	2	3	2	0	5	2	254
8:30AM	0	145	0	145	6	21	2	7	30	1	0	3	3	1	0	4	3	179
8:45AM	3	190	0	193	5	32	4	12	48	1	0	2	3	0	0	3	2	244
Hourly Total	3	741	0	744	18	110	15	40	165	2	0	8	12	3	0	15	7	924
9:00AM	0	97	0	97	3	27	1	2	30	0	0	1	4	2	0	6	2	133
9:15AM	1	79	0	80	2	24	2	2	28	1	0	1	2	0	0	2	0	110
9:30AM	1	76	0	77	3	29	0	5	34	1	0	4	2	0	0	2	4	113
9:45AM	0	71	0	71	4	32	2	2	36	1	0	0	2	1	0	3	1	110
Hourly Total	2	323	0	325	12	112	5	11	128	3	0	6	10	3	0	13	7	466
10:00AM	0	51	0	51	3	33	4	3	40	0	0	1	1	0	0	1	0	92
10:15AM	0	60	0	60	1	35	4	5	44	0	0	1	1	1	0	2	0	106
10:30AM	1	45	0	46	1	28	2	3	33	1	0	1	1	0	0	1	1	80
10:45AM	0	39	0	39	0	26	3	2	31	0	0	0	0	0	0	0	0	70
Hourly Total	1	195	0	196	5	122	13	13	148	1	0	3	3	1	0	4	1	348
11:00AM	0	44	0	44	1	43	2	2	47	0	0	1	1	0	0	1	2	92
11:15AM	1	49	0	50	0	45	2	3	50	0	0	0	2	1	0	3	0	103
11:30AM	0	47	0	47	0	41	2	2	45	0	0	0	0	1	0	1	0	93
11:45AM	1	40	0	41	0	42	3	11	56	0	0	1	4	1	0	5	1	102
Hourly Total	2	180	0	182	1	171	9	18	198	0	0	2	7	3	0	10	3	390
12:00PM	0	45	0	45	2	44	2	5	51	0	0	0	1	1	0	2	0	98
12:15PM	1	37	0	38	0	40	1	5	46	0	0	0	3	0	0	3	0	87
12:30PM	0	43	0	43	0	46	3	3	52	0	0	1	0	1	0	1	0	96
12:45PM	3	42	0	45	1	45	3	3	51	0	0	0	2	2	0	4	0	100
Hourly Total	4	167	0	171	3	175	9	16	200	0	0	1	6	4	0	10	0	381
1:00PM	0	46	0	46	0	48	4	4	56	0	0	0	0	0	0	0	0	102
1:15PM	0	47	0	47	4	37	0	5	42	0	0	2	3	0	0	3	0	92
1:30PM	0	42	0	42	0	42	4	3	49	3	0	0	2	0	0	2	0	93
1:45PM	0	37	0	37	0	46	3	4	53	1	0	0	0	3	0	3	0	93
Hourly Total	0	172	0	172	4	173	11	16	200	4	0	2	5	3	0	8	0	380
2:00PM	0	38	0	38	0	62	1	0	63	2	0	1	0	0	0	0	0	101
2:15PM	0	37	0	37	1	73	1	6	80	0	0	2	2	2	0	4	2	121
2:30PM	1	51	0	52	3	93	11	4	108	0	0	1	0	0	0	0	1	160
2:45PM	0	58	0	58	1	71	3	4	78	0	0	1	1	0	0	1	1	137
Hourly Total	1	184	0	185	5	299	16	14	329	2	0	5	3	2	0	5	4	519
3:00PM	1	46	0	47	1	116	2	7	125	0	0	2	6	0	0	6	2	178
3:15PM	2	67	0	69	4	117	4	5	126	0	0	0	0	0	0	0	0	195
3:30PM	1	70	0	71	1	126	4	11	141	1	0	1	4	0	0	4	1	216
3:45PM	1	49	0	50	3	94	0	6	100	0	0	1	1	1	0	2	1	152
Hourly Total	5	232	0	237	9	453	10	29	492	1	0	4	11	1	0	12	4	741
4:00PM	1	42	0	43	1	127	11	7	145	0	0	2	2	2	0	4	2	192
4:15PM	3	39	0	42	6	162	1	7	170	1	0	2	7	2	0	9	2	221

Leg Direction	Pontiac Trail Southbound					Moore Street Westbound					South Northbound		Longshore Drive Eastbound					
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	App	Ped*	R	L	U	App	Ped*	Int
4:30PM	0	57	0	57	7	155	3	3	161	0	0	1	1	1	0	2	1	220
4:45PM	1	54	0	55	5	189	5	3	197	5	0	1	1	1	0	2	1	254
Hourly Total	5	192	0	197	19	633	20	20	673	6	0	6	11	6	0	17	6	887
5:00PM	0	51	0	51	1	135	4	4	143	0	0	3	1	2	0	3	4	197
5:15PM	0	86	0	86	5	129	3	5	137	0	0	2	1	1	0	2	2	225
5:30PM	1	68	0	69	3	139	11	1	151	2	0	2	3	1	0	4	2	224
5:45PM	1	60	0	61	3	104	7	6	117	1	0	4	9	2	0	11	4	189
Hourly Total	2	265	0	267	12	507	25	16	548	3	0	11	14	6	0	20	12	835
6:00PM	1	53	0	54	2	100	4	5	109	0	0	2	0	0	0	0	1	163
6:15PM	1	59	0	60	1	75	5	1	81	0	0	1	0	0	0	0	1	141
6:30PM	0	49	0	49	1	54	3	4	61	0	0	1	1	1	0	2	1	112
6:45PM	0	50	0	50	1	72	2	3	77	0	0	1	6	2	0	8	1	135
Hourly Total	2	211	0	213	5	301	14	13	328	0	0	5	7	3	0	10	4	551
Total	27	3902	0	3929	101	3246	154	224	3624	27	0	66	99	41	0	140	59	7693
% Approach	0.7%	99.3%	0%	-	-	89.6%	4.2%	6.2%	-	-	-	-	70.7%	29.3%	0%	-	-	-
% Total	0.4%	50.7%	0%	51.1%	-	42.2%	2.0%	2.9%	47.1%	-	0%	-	1.3%	0.5%	0%	1.8%	-	-
Motorcycles	0	3	0	3	-	1	1	0	2	-	0	-	0	0	0	0	-	5
% Motorcycles	0%	0.1%	0%	0.1%	-	0%	0.6%	0%	0.1%	-	-	-	0%	0%	0%	0%	-	0.1%
Lights	25	3816	0	3841	-	3170	150	220	3540	-	0	-	99	40	0	139	-	7520
% Lights	92.6%	97.8%	0%	97.8%	-	97.7%	97.4%	98.2%	97.7%	-	-	-	100%	97.6%	0%	99.3%	-	97.8%
Single-Unit Trucks	0	24	0	24	-	24	3	1	28	-	0	-	0	1	0	1	-	53
% Single-Unit Trucks	0%	0.6%	0%	0.6%	-	0.7%	1.9%	0.4%	0.8%	-	-	-	0%	2.4%	0%	0.7%	-	0.7%
Articulated Trucks	0	1	0	1	-	4	0	1	5	-	0	-	0	0	0	0	-	6
% Articulated Trucks	0%	0%	0%	0%	-	0.1%	0%	0.4%	0.1%	-	-	-	0%	0%	0%	0%	-	0.1%
Buses	0	45	0	45	-	43	0	1	44	-	0	-	0	0	0	0	-	89
% Buses	0%	1.2%	0%	1.1%	-	1.3%	0%	0.4%	1.2%	-	-	-	0%	0%	0%	0%	-	1.2%
Bicycles on Road	2	13	0	15	-	4	0	1	5	-	0	-	0	0	0	0	-	20
% Bicycles on Road	7.4%	0.3%	0%	0.4%	-	0.1%	0%	0.4%	0.1%	-	-	-	0%	0%	0%	0%	-	0.3%
Pedestrians	-	-	-	-	95	-	-	-	-	25	-	64	-	-	-	-	56	-
% Pedestrians	-	-	-	-	94.1%	-	-	-	-	92.6%	-	97.0%	-	-	-	-	94.9%	-
Bicycles on Crosswalk	-	-	-	-	6	-	-	-	-	2	-	2	-	-	-	-	3	-
% Bicycles on Crosswalk	-	-	-	-	5.9%	-	-	-	-	7.4%	-	3.0%	-	-	-	-	5.1%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_9 Pontiac Trail & Moore_Longshore_11-19-... - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

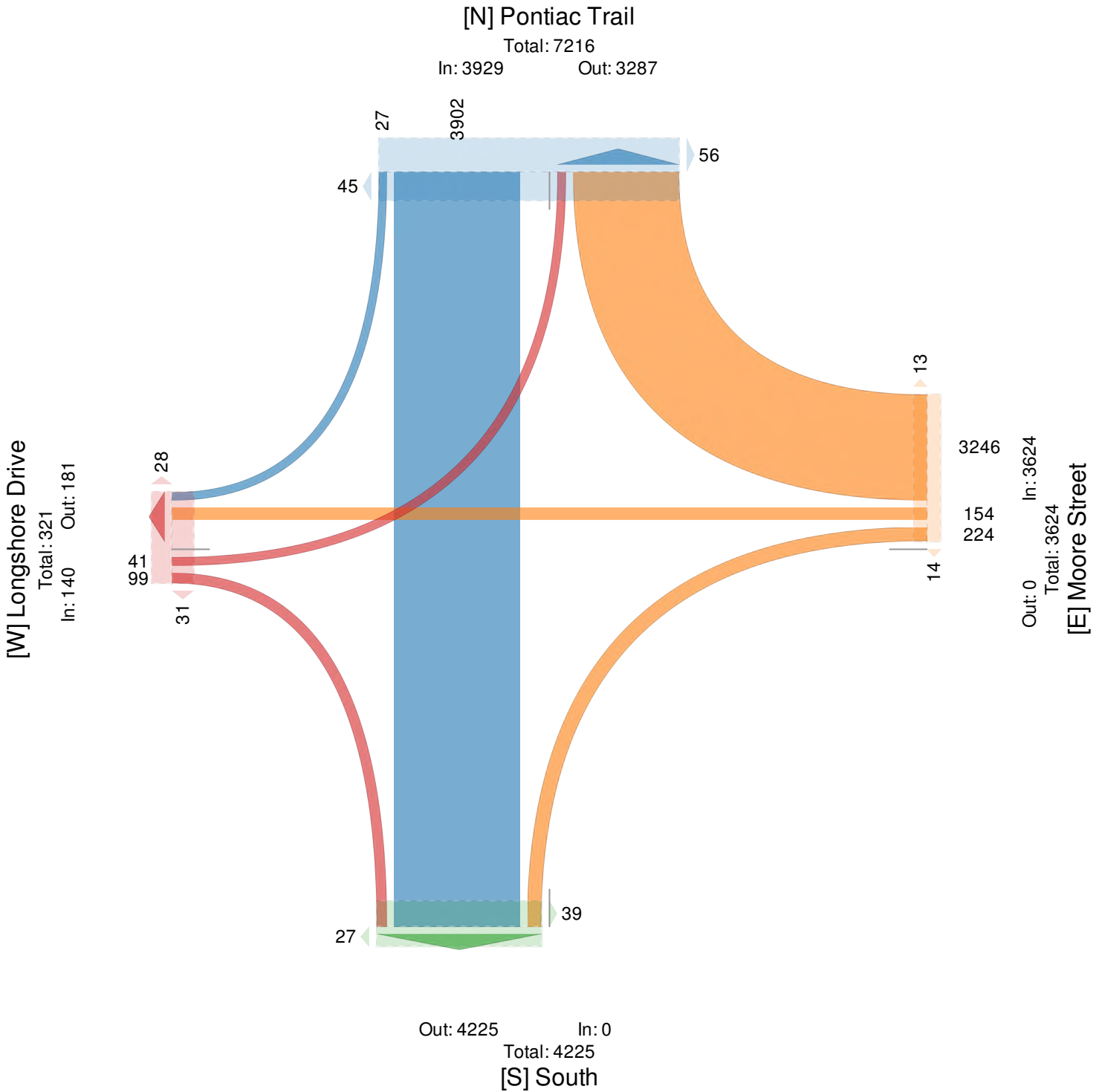
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728510, Location: 42.290838, -83.739461, Site Code: TMC_9 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_9 Pontiac Trail & Moore_Longshore_11-19-... - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728510, Location: 42.290838, -83.739461, Site Code: TMC_9 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Moore Street Westbound					South Northbound		Longshore Drive Eastbound					Int
	R	T	U	App	Ped*	R	T	L	App	Ped*	App	Ped*	R	L	U	App	Ped*	
2019-11-19 7:30AM	0	203	0	203	0	60	1	3	64	1	0	3	2	1	0	3	3	270
7:45AM	0	187	0	187	4	43	2	4	49	1	0	1	2	0	0	2	1	238
8:00AM	0	198	0	198	3	33	3	10	46	0	0	1	3	0	0	3	0	247
8:15AM	0	208	0	208	4	24	6	11	41	0	0	2	3	2	0	5	2	254
Total	0	796	0	796	11	160	12	28	200	2	0	7	10	3	0	13	6	1009
% Approach	0%	100%	0%	-	-	80.0%	6.0%	14.0%	-	-	-	-	76.9%	23.1%	0%	-	-	-
% Total	0%	78.9%	0%	78.9%	-	15.9%	1.2%	2.8%	19.8%	-	0%	-	1.0%	0.3%	0%	1.3%	-	-
PHF	-	0.957	-	0.957	-	0.667	0.500	0.636	0.781	-	-	-	0.833	0.375	-	0.650	-	0.934
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%	0%	0%	0%	-	0%
Lights	0	788	0	788	-	152	12	28	192	-	0	-	10	3	0	13	-	993
% Lights	0%	99.0%	0%	99.0%	-	95.0%	100%	100%	96.0%	-	-	-	100%	100%	0%	100%	-	98.4%
Single-Unit Trucks	0	1	0	1	-	1	0	0	1	-	0	-	0	0	0	0	-	2
% Single-Unit Trucks	0%	0.1%	0%	0.1%	-	0.6%	0%	0%	0.5%	-	-	-	0%	0%	0%	0%	-	0.2%
Articulated Trucks	0	0	0	0	-	1	0	0	1	-	0	-	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0.6%	0%	0%	0.5%	-	-	-	0%	0%	0%	0%	-	0.1%
Buses	0	7	0	7	-	6	0	0	6	-	0	-	0	0	0	0	-	13
% Buses	0%	0.9%	0%	0.9%	-	3.8%	0%	0%	3.0%	-	-	-	0%	0%	0%	0%	-	1.3%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	10	-	-	-	-	2	-	7	-	-	-	-	6	-
% Pedestrians	-	-	-	-	90.9%	-	-	-	-	100%	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	0	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	9.1%	-	-	-	-	0%	-	0%	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_9 Pontiac Trail & Moore_Longshore_11-19-... - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

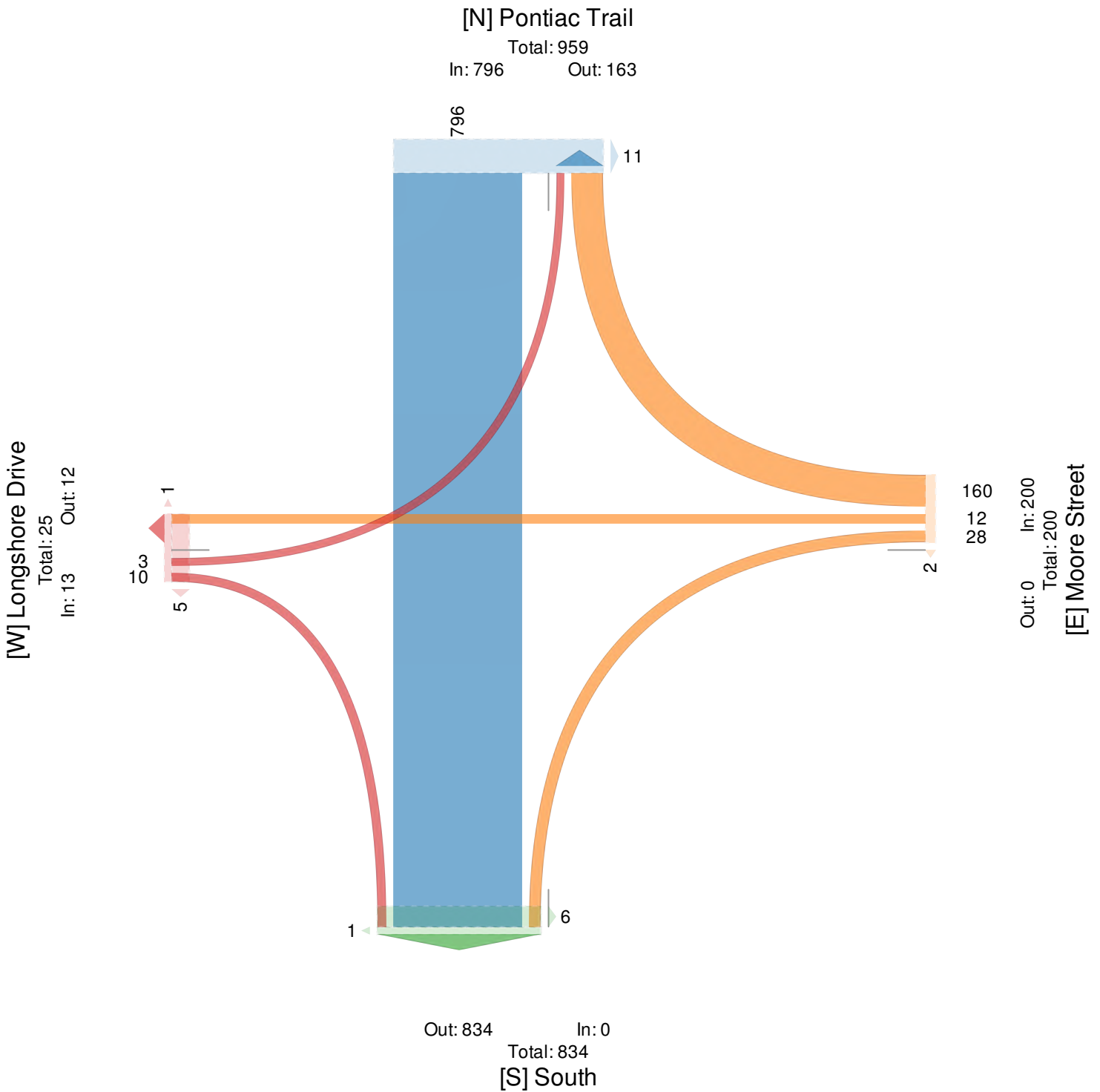
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728510, Location: 42.290838, -83.739461, Site Code: TMC_9 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_9 Pontiac Trail & Moore_Longshore_11-19-... - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728510, Location: 42.290838, -83.739461, Site Code: TMC_9 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Moore Street Westbound					South Northbound		Longshore Drive Eastbound					
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	App	Ped*	R	L	U	App	Ped*	Int
2019-11-19 11:15AM	1	49	0	50	0	45	2	3	50	0	0	0	2	1	0	3	0	103
11:30AM	0	47	0	47	0	41	2	2	45	0	0	0	0	1	0	1	0	93
11:45AM	1	40	0	41	0	42	3	11	56	0	0	1	4	1	0	5	1	102
12:00PM	0	45	0	45	2	44	2	5	51	0	0	0	1	1	0	2	0	98
Total	2	181	0	183	2	172	9	21	202	0	0	1	7	4	0	11	1	396
% Approach	1.1%	98.9%	0%	-	-	85.1%	4.5%	10.4%	-	-	-	-	63.6%	36.4%	0%	-	-	-
% Total	0.5%	45.7%	0%	46.2%	-	43.4%	2.3%	5.3%	51.0%	-	0%	-	1.8%	1.0%	0%	2.8%	-	-
PHF	0.500	0.938	-	0.929	-	0.956	0.750	0.477	0.902	-	-	-	0.438	1.000	-	0.550	-	0.968
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%	0%	0%	0%	-	0%
Lights	2	177	0	179	-	165	8	20	193	-	0	-	7	4	0	11	-	383
% Lights	100%	97.8%	0%	97.8%	-	95.9%	88.9%	95.2%	95.5%	-	-	-	100%	100%	0%	100%	-	96.7%
Single-Unit Trucks	0	1	0	1	-	5	1	1	7	-	0	-	0	0	0	0	-	8
% Single-Unit Trucks	0%	0.6%	0%	0.5%	-	2.9%	11.1%	4.8%	3.5%	-	-	-	0%	0%	0%	0%	-	2.0%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%	0%	0%	0%	-	0%
Buses	0	2	0	2	-	2	0	0	2	-	0	-	0	0	0	0	-	4
% Buses	0%	1.1%	0%	1.1%	-	1.2%	0%	0%	1.0%	-	-	-	0%	0%	0%	0%	-	1.0%
Bicycles on Road	0	1	0	1	-	0	0	0	0	-	0	-	0	0	0	0	-	1
% Bicycles on Road	0%	0.6%	0%	0.5%	-	0%	0%	0%	0%	-	-	-	0%	0%	0%	0%	-	0.3%
Pedestrians	-	-	-	-	2	-	-	-	-	0	-	1	-	-	-	-	1	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	-	-	0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_9 Pontiac Trail & Moore_Longshore_11-19-... - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

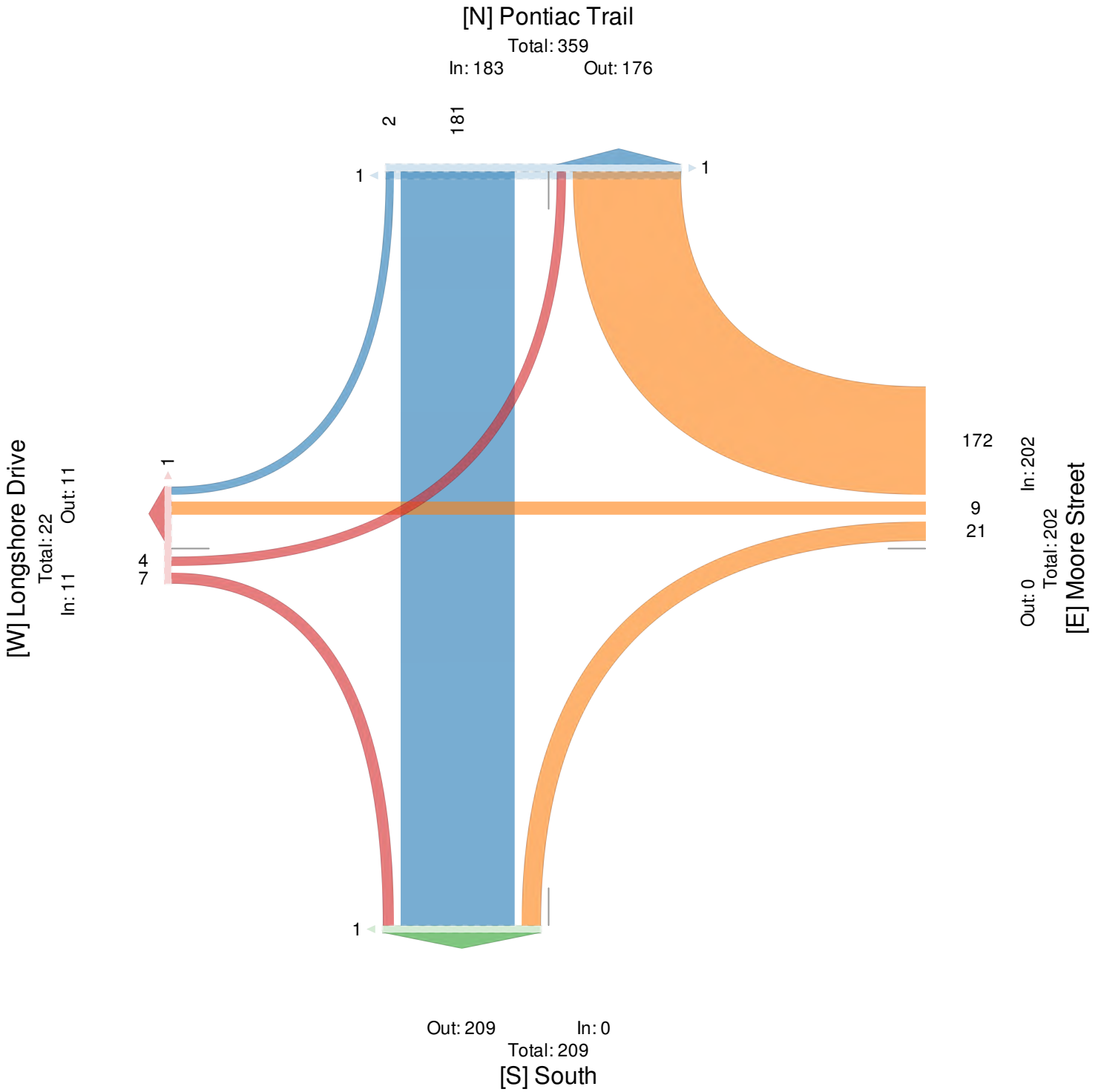
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728510, Location: 42.290838, -83.739461, Site Code: TMC_9 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_9 Pontiac Trail & Moore_Longshore_11-19-... - TMC

Tue Nov 19, 2019

PM Peak (4:45 PM - 5:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728510, Location: 42.290838, -83.739461, Site Code: TMC_9 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Moore Street Westbound					South Northbound		Longshore Drive Eastbound					
Time	R	T	U	App	Ped*	R	T	L	App	Ped*	App	Ped*	R	L	U	App	Ped*	Int
2019-11-19 4:45PM	1	54	0	55	5	189	5	3	197	5	0	1	1	1	0	2	1	254
5:00PM	0	51	0	51	1	135	4	4	143	0	0	3	1	2	0	3	4	197
5:15PM	0	86	0	86	5	129	3	5	137	0	0	2	1	1	0	2	2	225
5:30PM	1	68	0	69	3	139	11	1	151	2	0	2	3	1	0	4	2	224
Total	2	259	0	261	14	592	23	13	628	7	0	8	6	5	0	11	9	900
% Approach	0.8%	99.2%	0%	-	-	94.3%	3.7%	2.1%	-	-	-	-	54.5%	45.5%	0%	-	-	-
% Total	0.2%	28.8%	0%	29.0%	-	65.8%	2.6%	1.4%	69.8%	-	0%	-	0.7%	0.6%	0%	1.2%	-	-
PHF	0.500	0.753	-	0.759	-	0.786	0.523	0.650	0.800	-	-	-	0.500	0.625	-	0.688	-	0.888
Motorcycles	0	0	0	0	-	1	1	0	2	-	0	-	0	0	0	0	-	2
% Motorcycles	0%	0%	0%	0%	-	0.2%	4.3%	0%	0.3%	-	-	-	0%	0%	0%	0%	-	0.2%
Lights	2	253	0	255	-	585	22	13	620	-	0	-	6	5	0	11	-	886
% Lights	100%	97.7%	0%	97.7%	-	98.8%	95.7%	100%	98.7%	-	-	-	100%	100%	0%	100%	-	98.4%
Single-Unit Trucks	0	1	0	1	-	1	0	0	1	-	0	-	0	0	0	0	-	2
% Single-Unit Trucks	0%	0.4%	0%	0.4%	-	0.2%	0%	0%	0.2%	-	-	-	0%	0%	0%	0%	-	0.2%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	-	0%	0%	0%	0%	-	0%
Buses	0	5	0	5	-	4	0	0	4	-	0	-	0	0	0	0	-	9
% Buses	0%	1.9%	0%	1.9%	-	0.7%	0%	0%	0.6%	-	-	-	0%	0%	0%	0%	-	1.0%
Bicycles on Road	0	0	0	0	-	1	0	0	1	-	0	-	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	-	0.2%	0%	0%	0.2%	-	-	-	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	14	-	-	-	-	7	-	8	-	-	-	-	8	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	100%	-	-	-	-	88.9%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	0	-	-	-	-	1	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	0%	-	-	-	-	11.1%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_9 Pontiac Trail & Moore_Longshore_11-19-... - TMC

Tue Nov 19, 2019

PM Peak (4:45 PM - 5:45 PM)

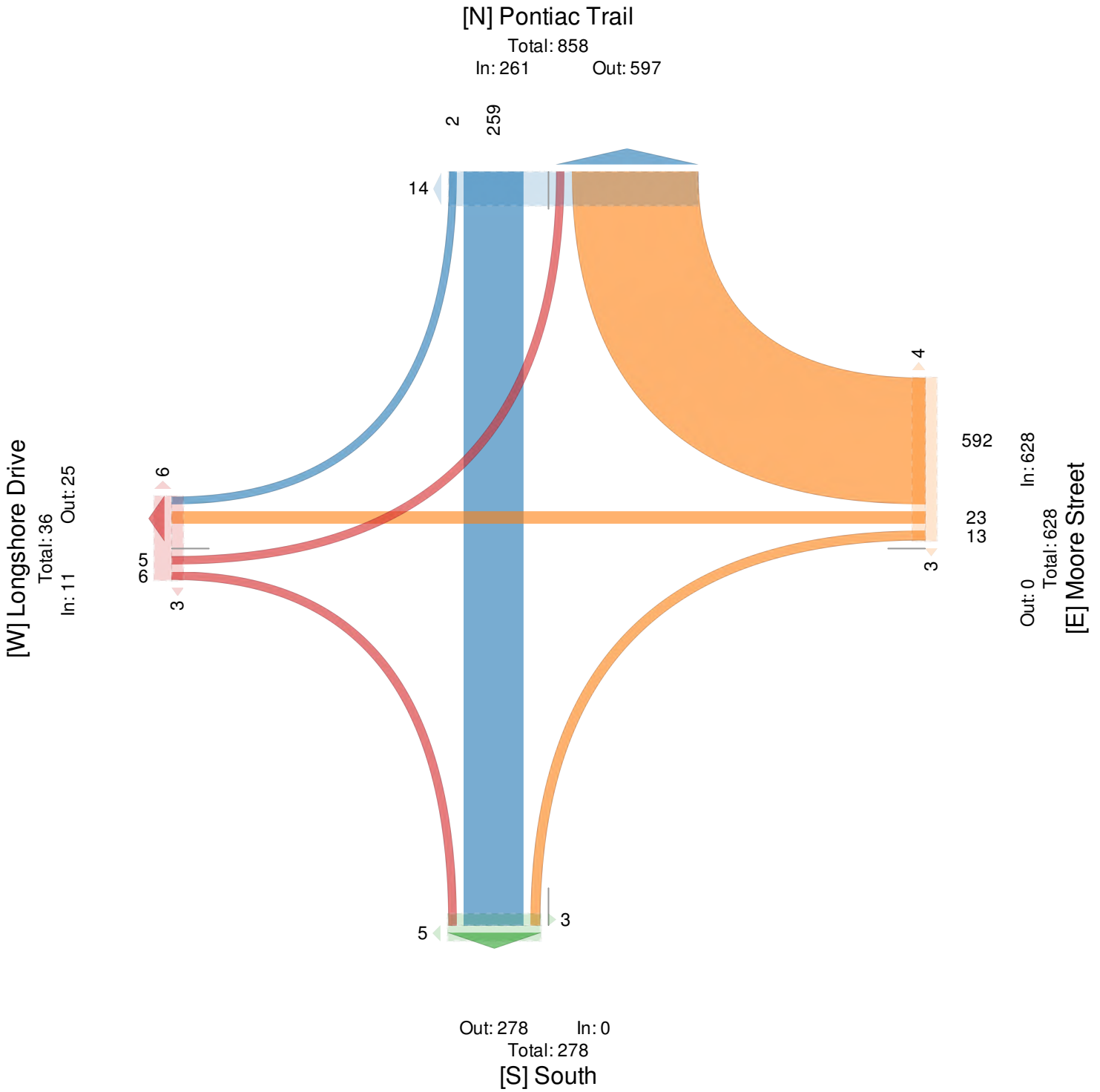
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728510, Location: 42.290838, -83.739461, Site Code: TMC_9 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US





Project: Lower Town Area
 Mobility Study
 Corridor: Moore Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EY
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_10
 Moore & Traver_11-19-19
 Site Code: TMC_10
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Traver Street Southbound				Moore Street Westbound				Moore Street Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
6:00 AM	2	0	1	2	0	5	0	5	0	0	0	0	7
6:15 AM	0	0	2	0	0	6	1	6	0	0	0	0	6
6:30 AM	0	0	2	0	0	12	0	12	0	0	0	0	12
6:45 AM	1	0	0	1	0	13	1	13	0	0	0	0	14
Hourly Total	3	0	5	3	0	36	2	36	0	0	0	0	39
7:00 AM	3	0	3	3	2	23	3	25	0	0	0	0	28
7:15 AM	2	0	3	2	6	36	3	42	0	0	0	0	44
7:30 AM	3	1	3	4	7	59	2	66	0	0	0	0	70
7:45 AM	3	1	7	4	5	46	4	51	0	0	0	0	55
Hourly Total	11	2	16	13	20	164	12	184	0	0	0	0	197
8:00 AM	8	0	4	8	24	38	0	62	0	0	0	0	70
8:15 AM	11	0	7	11	5	28	1	33	0	0	0	0	44
8:30 AM	6	0	8	6	5	25	1	30	0	0	0	0	36
8:45 AM	8	0	5	8	9	35	6	44	1	0	0	1	53
Hourly Total	33	0	24	33	43	126	8	169	1	0	0	1	203
9:00 AM	2	0	4	2	3	30	5	33	0	0	0	0	35
9:15 AM	1	1	3	2	1	26	5	27	0	0	0	0	29
9:30 AM	2	0	5	2	4	34	4	38	0	0	0	0	40
9:45 AM	0	1	3	1	2	33	3	35	0	0	1	0	36
Hourly Total	5	2	15	7	10	123	17	133	0	0	1	0	140
10:00 AM	1	0	3	1	1	40	0	41	0	0	0	0	42
10:15 AM	0	0	4	0	2	44	0	46	0	0	0	0	46
10:30 AM	0	0	1	0	5	36	1	41	0	0	0	0	41
10:45 AM	2	0	0	2	1	28	0	29	0	0	0	0	31
Hourly Total	3	0	8	3	9	148	1	157	0	0	0	0	160
11:00 AM	1	0	1	1	1	49	2	50	0	0	1	0	51
11:15 AM	1	0	1	1	4	44	1	48	0	0	0	0	49
11:30 AM	0	0	0	0	3	45	0	48	0	0	0	0	48
11:45 AM	6	1	1	7	5	51	1	56	1	0	0	1	64
Hourly Total	8	1	3	9	13	189	4	202	1	0	1	1	212
12:00 PM	1	0	2	1	1	51	0	52	0	0	0	0	53
12:15 PM	4	1	4	5	1	42	4	43	0	0	0	0	48
12:30 PM	1	0	0	1	3	50	0	53	0	0	0	0	54
12:45 PM	1	0	5	1	4	52	4	56	0	0	0	0	57
Hourly Total	7	1	11	8	9	195	8	204	0	0	0	0	212
1:00 PM	2	0	0	2	6	55	4	61	0	0	0	0	63
1:15 PM	3	1	5	4	4	38	1	42	0	0	0	0	46
1:30 PM	2	0	1	2	8	48	4	56	0	0	0	0	58
1:45 PM	3	0	0	3	3	52	0	55	0	0	0	0	58
Hourly Total	10	1	6	11	21	193	9	214	0	0	0	0	225
2:00 PM	2	0	0	2	3	64	1	67	0	0	0	0	69
2:15 PM	4	0	3	4	1	74	3	75	0	0	0	0	79
2:30 PM	1	0	7	1	6	107	6	113	0	0	0	0	114
2:45 PM	3	0	1	3	4	77	1	81	0	0	0	0	84
Hourly Total	10	0	11	10	14	322	11	336	0	0	0	0	346
3:00 PM	3	0	5	3	8	119	2	127	0	0	0	0	130
3:15 PM	3	0	4	3	6	127	2	133	0	0	0	0	136
3:30 PM	10	0	1	10	7	129	3	136	0	0	0	0	146
3:45 PM	6	0	3	6	4	97	2	101	0	0	0	0	107
Hourly Total	22	0	13	22	25	472	9	497	0	0	0	0	519
4:00 PM	4	1	4	5	6	144	1	150	0	0	1	0	155
4:15 PM	6	0	6	6	6	165	1	171	0	0	0	0	177
4:30 PM	2	1	12	3	5	163	1	168	0	0	1	0	171
4:45 PM	3	0	8	3	7	186	4	193	0	0	0	0	196
Hourly Total	15	2	30	17	24	658	7	682	0	0	2	0	699
5:00 PM	2	0	2	2	8	141	4	149	0	0	0	0	151
5:15 PM	2	0	6	2	0	137	4	137	0	0	0	0	139

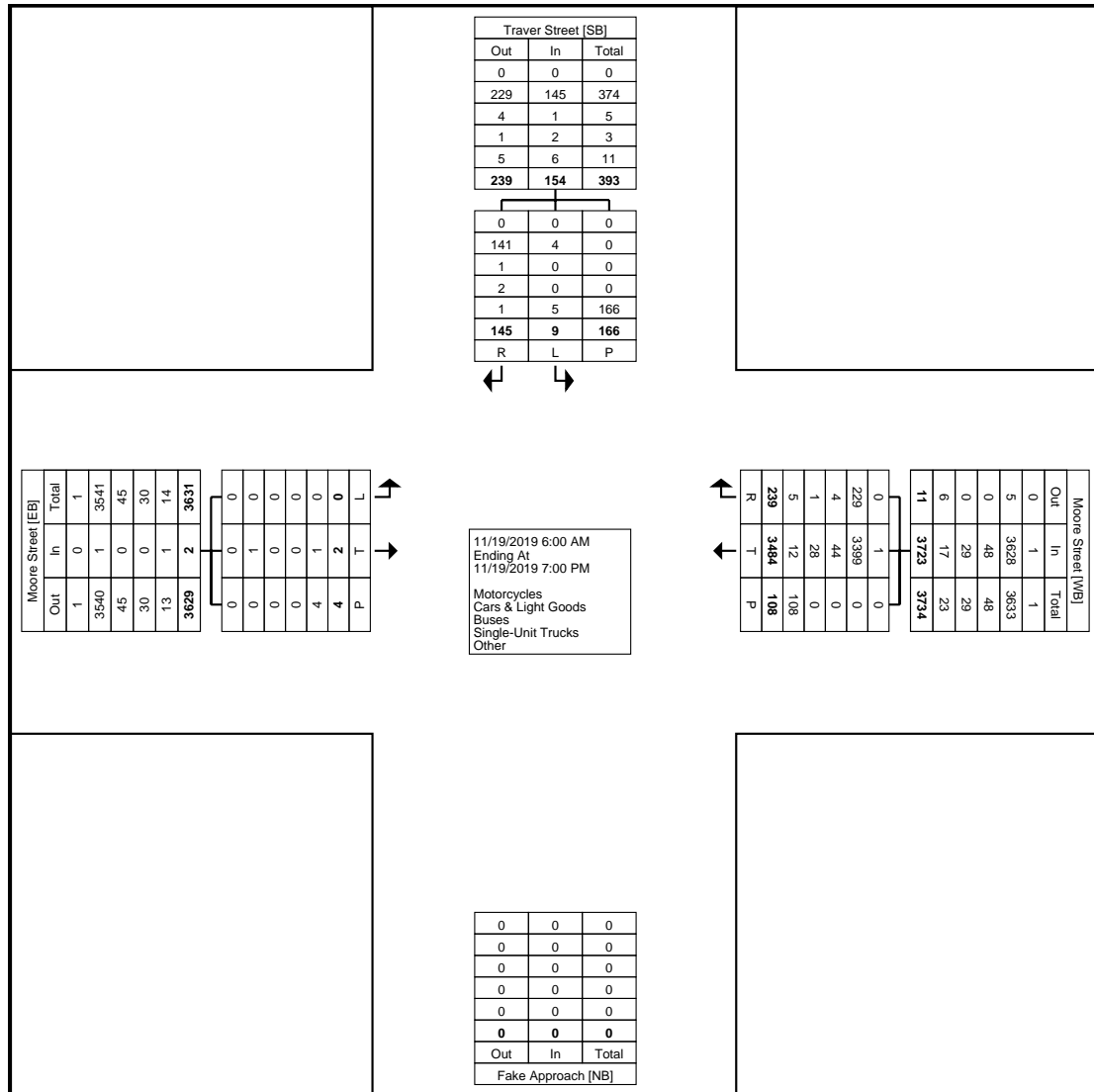
5:30 PM	1	0	2	1	8	148	2	156	0	0	0	0	157
5:45 PM	3	0	3	3	11	118	2	129	0	0	0	0	132
Hourly Total	8	0	13	8	27	544	12	571	0	0	0	0	579
6:00 PM	3	0	4	3	3	101	4	104	0	0	0	0	107
6:15 PM	1	0	2	1	8	80	1	88	0	0	0	0	89
6:30 PM	2	0	2	2	7	58	1	65	0	0	0	0	67
6:45 PM	4	0	3	4	6	75	2	81	0	0	0	0	85
Hourly Total	10	0	11	10	24	314	8	338	0	0	0	0	348
Grand Total	145	9	166	154	239	3484	108	3723	2	0	4	2	3879
Approach %	94.2	5.8	-	-	6.4	93.6	-	-	100.0	0.0	-	-	-
Total %	3.7	0.2	-	4.0	6.2	89.8	-	96.0	0.1	0.0	-	0.1	-
Motorcycles	0	0	-	0	0	1	-	1	0	0	-	0	1
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	141	4	-	145	229	3399	-	3628	1	0	-	1	3774
% Cars & Light Goods	97.2	44.4	-	94.2	95.8	97.6	-	97.4	50.0	-	-	50.0	97.3
Buses	1	0	-	1	4	44	-	48	0	0	-	0	49
% Buses	0.7	0.0	-	0.6	1.7	1.3	-	1.3	0.0	-	-	0.0	1.3
Single-Unit Trucks	2	0	-	2	1	28	-	29	0	0	-	0	31
% Single-Unit Trucks	1.4	0.0	-	1.3	0.4	0.8	-	0.8	0.0	-	-	0.0	0.8
Articulated Trucks	0	0	-	0	0	4	-	4	0	0	-	0	4
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.1	-	0.1	0.0	-	-	0.0	0.1
Bicycles on Road	1	5	-	6	5	8	-	13	1	0	-	1	20
% Bicycles on Road	0.7	55.6	-	3.9	2.1	0.2	-	0.3	50.0	-	-	50.0	0.5
Bicycles on Crosswalk	-	-	13	-	-	-	12	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	7.8	-	-	-	11.1	-	-	-	0.0	-	-
Pedestrians	-	-	153	-	-	-	96	-	-	-	4	-	-
% Pedestrians	-	-	92.2	-	-	-	88.9	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Moore Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EY
 SW

Count Name: TMC_10
 Moore & Traver_11-19-19
 Site Code: TMC_10
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Project: Lower Town Area
 Mobility Study
 Corridor: Moore Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EY
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_10
 Moore & Traver_11-19-19
 Site Code: TMC_10
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:15 AM)

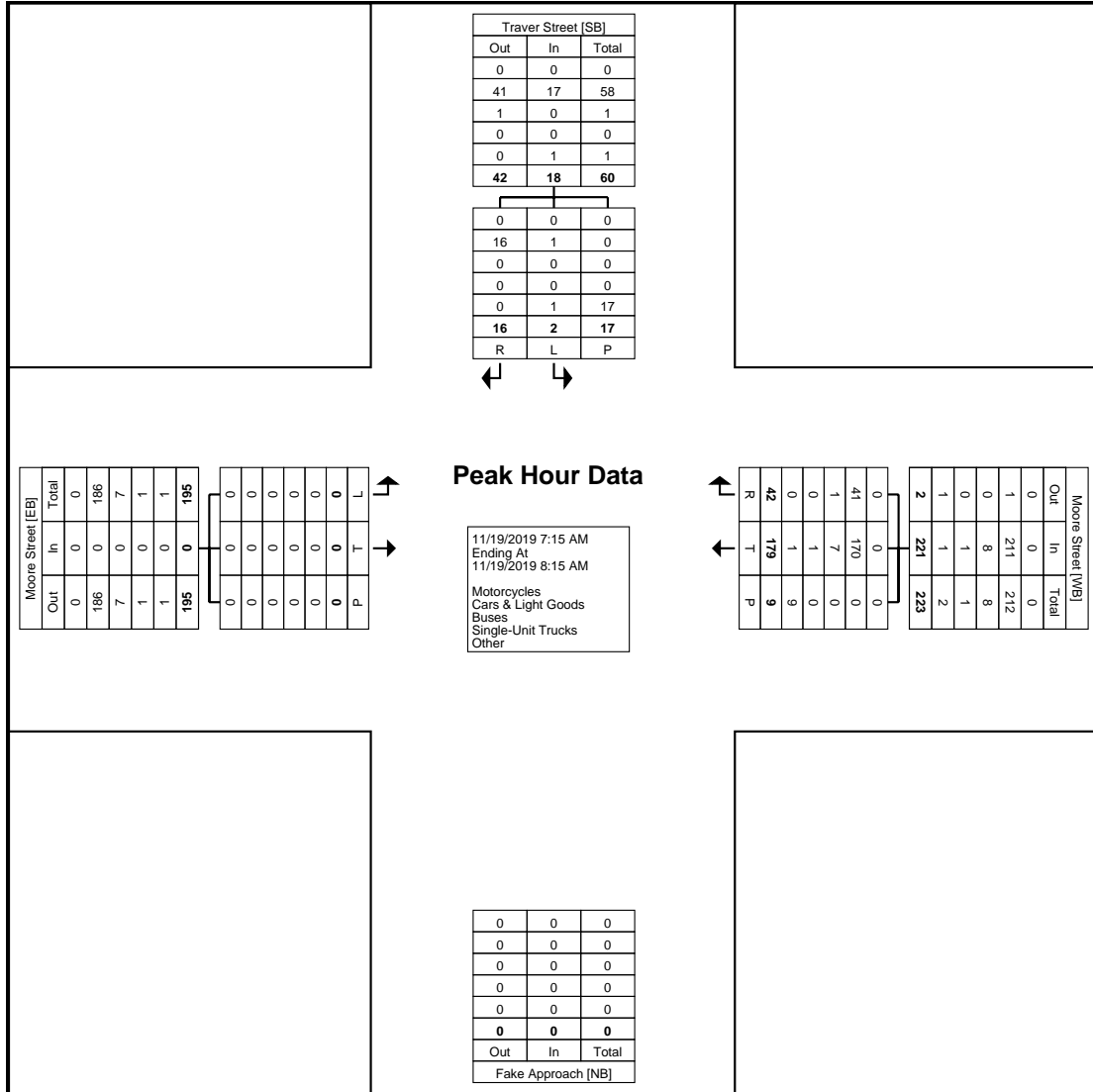
Start Time	Traver Street Southbound				Moore Street Westbound				Moore Street Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
7:15 AM	2	0	3	2	6	36	3	42	0	0	0	0	44
7:30 AM	3	1	3	4	7	59	2	66	0	0	0	0	70
7:45 AM	3	1	7	4	5	46	4	51	0	0	0	0	55
8:00 AM	8	0	4	8	24	38	0	62	0	0	0	0	70
Total	16	2	17	18	42	179	9	221	0	0	0	0	239
Approach %	88.9	11.1	-	-	19.0	81.0	-	-	0.0	0.0	-	-	-
Total %	6.7	0.8	-	7.5	17.6	74.9	-	92.5	0.0	0.0	-	0.0	-
PHF	0.500	0.500	-	0.563	0.438	0.758	-	0.837	0.000	0.000	-	0.000	0.854
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-	-	0.0
Cars & Light Goods	16	1	-	17	41	170	-	211	0	0	-	0	228
% Cars & Light Goods	100.0	50.0	-	94.4	97.6	95.0	-	95.5	-	-	-	-	95.4
Buses	0	0	-	0	1	7	-	8	0	0	-	0	8
% Buses	0.0	0.0	-	0.0	2.4	3.9	-	3.6	-	-	-	-	3.3
Single-Unit Trucks	0	0	-	0	0	1	-	1	0	0	-	0	1
% Single-Unit Trucks	0.0	0.0	-	0.0	0.0	0.6	-	0.5	-	-	-	-	0.4
Articulated Trucks	0	0	-	0	0	1	-	1	0	0	-	0	1
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.6	-	0.5	-	-	-	-	0.4
Bicycles on Road	0	1	-	1	0	0	-	0	0	0	-	0	1
% Bicycles on Road	0.0	50.0	-	5.6	0.0	0.0	-	0.0	-	-	-	-	0.4
Bicycles on Crosswalk	-	-	2	-	-	-	1	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	11.8	-	-	-	11.1	-	-	-	-	-	-
Pedestrians	-	-	15	-	-	-	8	-	-	-	0	-	-
% Pedestrians	-	-	88.2	-	-	-	88.9	-	-	-	-	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Moore Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EY
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_10
 Moore & Traver_11-19-19
 Site Code: TMC_10
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:15 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Moore Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EY
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_10
 Moore & Traver_11-19-19
 Site Code: TMC_10
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:45 AM)

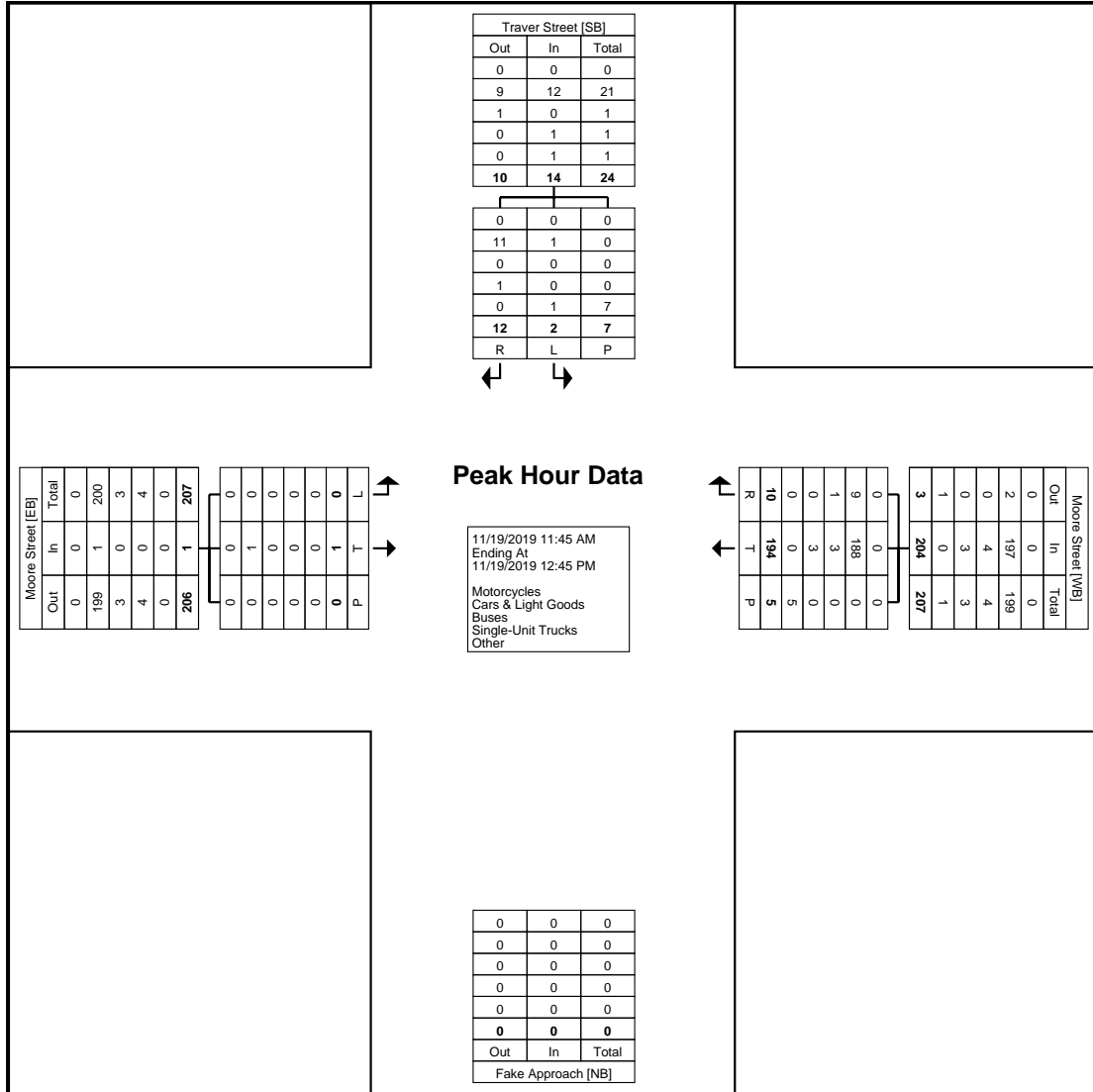
Start Time	Traver Street Southbound				Moore Street Westbound				Moore Street Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
11:45 AM	6	1	1	7	5	51	1	56	1	0	0	1	64
12:00 PM	1	0	2	1	1	51	0	52	0	0	0	0	53
12:15 PM	4	1	4	5	1	42	4	43	0	0	0	0	48
12:30 PM	1	0	0	1	3	50	0	53	0	0	0	0	54
Total	12	2	7	14	10	194	5	204	1	0	0	1	219
Approach %	85.7	14.3	-	-	4.9	95.1	-	-	100.0	0.0	-	-	-
Total %	5.5	0.9	-	6.4	4.6	88.6	-	93.2	0.5	0.0	-	0.5	-
PHF	0.500	0.500	-	0.500	0.500	0.951	-	0.911	0.250	0.000	-	0.250	0.855
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	11	1	-	12	9	188	-	197	1	0	-	1	210
% Cars & Light Goods	91.7	50.0	-	85.7	90.0	96.9	-	96.6	100.0	-	-	100.0	95.9
Buses	0	0	-	0	1	3	-	4	0	0	-	0	4
% Buses	0.0	0.0	-	0.0	10.0	1.5	-	2.0	0.0	-	-	0.0	1.8
Single-Unit Trucks	1	0	-	1	0	3	-	3	0	0	-	0	4
% Single-Unit Trucks	8.3	0.0	-	7.1	0.0	1.5	-	1.5	0.0	-	-	0.0	1.8
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	1	-	1	0	0	-	0	0	0	-	0	1
% Bicycles on Road	0.0	50.0	-	7.1	0.0	0.0	-	0.0	0.0	-	-	0.0	0.5
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	7	-	-	-	5	-	-	-	0	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	-	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Moore Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EY
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_10
 Moore & Traver_11-19-19
 Site Code: TMC_10
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:45 AM)



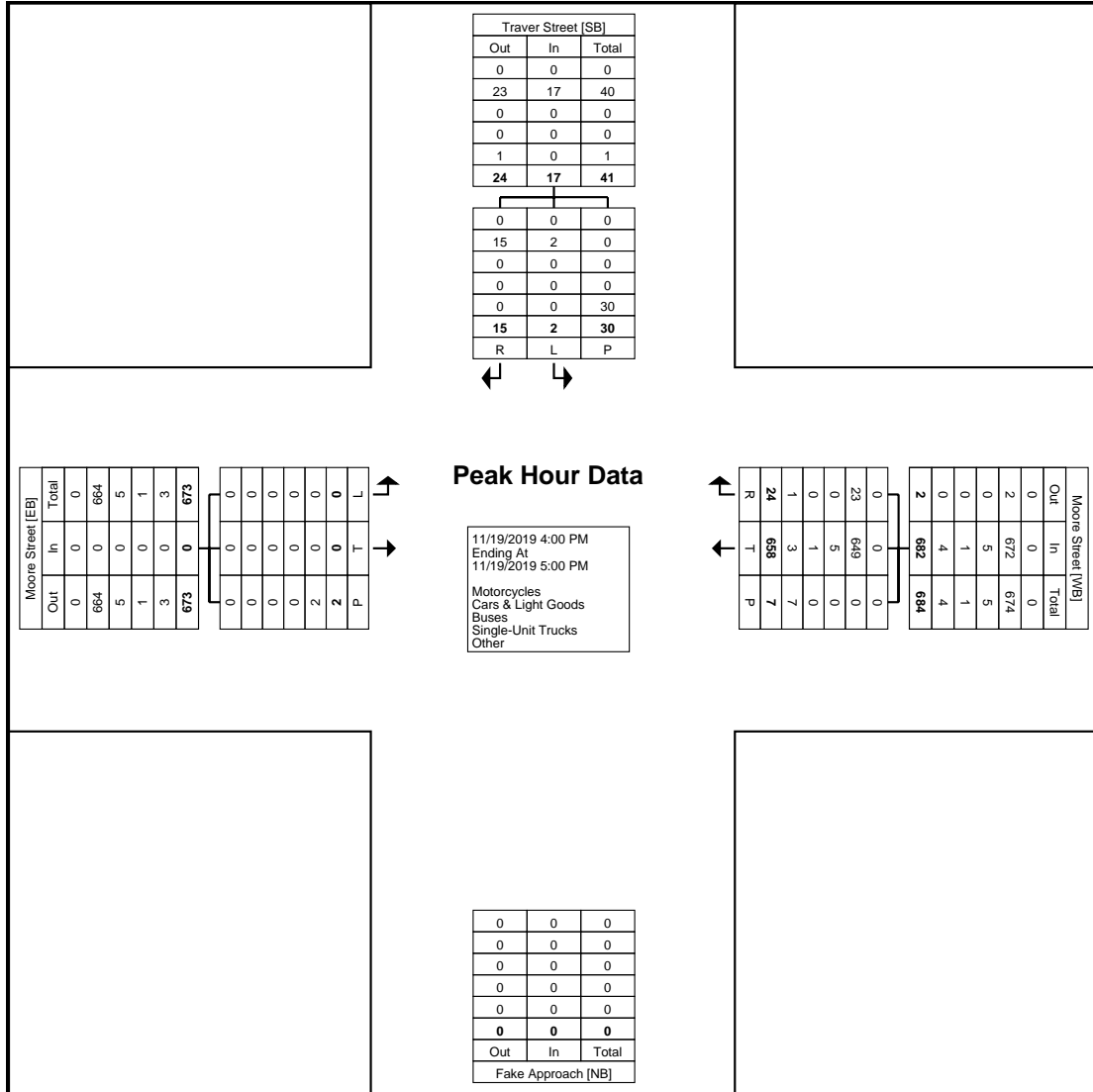
Project: Lower Town Area
 Mobility Study
 Corridor: Moore Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU8EY
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_10
 Moore & Traver_11-19-19
 Site Code: TMC_10
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Traver Street Southbound				Moore Street Westbound				Moore Street Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
4:00 PM	4	1	4	5	6	144	1	150	0	0	1	0	155
4:15 PM	6	0	6	6	6	165	1	171	0	0	0	0	177
4:30 PM	2	1	12	3	5	163	1	168	0	0	1	0	171
4:45 PM	3	0	8	3	7	186	4	193	0	0	0	0	196
Total	15	2	30	17	24	658	7	682	0	0	2	0	699
Approach %	88.2	11.8	-	-	3.5	96.5	-	-	0.0	0.0	-	-	-
Total %	2.1	0.3	-	2.4	3.4	94.1	-	97.6	0.0	0.0	-	0.0	-
PHF	0.625	0.500	-	0.708	0.857	0.884	-	0.883	0.000	0.000	-	0.000	0.892
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-	-	0.0
Cars & Light Goods	15	2	-	17	23	649	-	672	0	0	-	0	689
% Cars & Light Goods	100.0	100.0	-	100.0	95.8	98.6	-	98.5	-	-	-	-	98.6
Buses	0	0	-	0	0	5	-	5	0	0	-	0	5
% Buses	0.0	0.0	-	0.0	0.0	0.8	-	0.7	-	-	-	-	0.7
Single-Unit Trucks	0	0	-	0	0	1	-	1	0	0	-	0	1
% Single-Unit Trucks	0.0	0.0	-	0.0	0.0	0.2	-	0.1	-	-	-	-	0.1
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-	-	0.0
Bicycles on Road	0	0	-	0	1	3	-	4	0	0	-	0	4
% Bicycles on Road	0.0	0.0	-	0.0	4.2	0.5	-	0.6	-	-	-	-	0.6
Bicycles on Crosswalk	-	-	2	-	-	-	1	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	6.7	-	-	-	14.3	-	-	-	0.0	-	-
Pedestrians	-	-	28	-	-	-	6	-	-	-	2	-	-
% Pedestrians	-	-	93.3	-	-	-	85.7	-	-	-	100.0	-	-



Turning Movement Peak Hour Data Plot (4:00 PM)



Project: Lower Town Area
Mobility Study
Corridor: Moore Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU8EY
SW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_10
Moore & Traver_11-19-19
Site Code: TMC_10
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized "T" intersection, Traver St. is stop controlled for WB Moore St. at their intersection. VCU camera was located within SW intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_10 Moore & Traver_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728512, Location: 42.290075, -83.738676, Site Code: TMC_10 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Traver Street Southbound					Moore Street Westbound					Moore Street Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-19 6:00AM	2	0	0	2	1	0	5	0	5	0	0	0	0	0	0	7
6:15AM	0	0	0	0	2	0	6	0	6	1	0	0	0	0	0	6
6:30AM	0	0	0	0	2	0	12	0	12	0	0	0	0	0	0	12
6:45AM	1	0	0	1	0	0	13	0	13	1	0	0	0	0	0	14
Hourly Total	3	0	0	3	5	0	36	0	36	2	0	0	0	0	0	39
7:00AM	3	0	0	3	3	2	23	0	25	3	0	0	0	0	0	28
7:15AM	2	0	0	2	3	6	36	0	42	3	0	0	0	0	0	44
7:30AM	3	1	0	4	3	7	59	0	66	2	0	0	0	0	0	70
7:45AM	3	1	0	4	7	5	46	0	51	4	0	0	0	0	0	55
Hourly Total	11	2	0	13	16	20	164	0	184	12	0	0	0	0	0	197
8:00AM	8	0	0	8	4	24	38	0	62	0	0	0	0	0	0	70
8:15AM	11	0	0	11	7	5	28	0	33	1	0	0	0	0	0	44
8:30AM	6	0	0	6	8	5	25	0	30	1	0	0	0	0	0	36
8:45AM	8	0	0	8	5	9	35	0	44	6	1	0	0	1	0	53
Hourly Total	33	0	0	33	24	43	126	0	169	8	1	0	0	1	0	203
9:00AM	2	0	0	2	4	3	30	0	33	5	0	0	0	0	0	35
9:15AM	1	1	0	2	3	1	26	0	27	5	0	0	0	0	0	29
9:30AM	2	0	0	2	5	4	34	0	38	4	0	0	0	0	0	40
9:45AM	0	1	0	1	3	2	33	0	35	3	0	0	0	0	1	36
Hourly Total	5	2	0	7	15	10	123	0	133	17	0	0	0	0	1	140
10:00AM	1	0	0	1	3	1	40	0	41	0	0	0	0	0	0	42
10:15AM	0	0	0	0	4	2	44	0	46	0	0	0	0	0	0	46
10:30AM	0	0	0	0	1	5	36	0	41	1	0	0	0	0	0	41
10:45AM	2	0	0	2	0	1	28	0	29	0	0	0	0	0	0	31
Hourly Total	3	0	0	3	8	9	148	0	157	1	0	0	0	0	0	160
11:00AM	1	0	0	1	1	1	49	0	50	2	0	0	0	0	1	51
11:15AM	1	0	0	1	1	4	44	0	48	1	0	0	0	0	0	49
11:30AM	0	0	0	0	0	3	45	0	48	0	0	0	0	0	0	48
11:45AM	6	1	0	7	1	5	51	0	56	1	1	0	0	1	0	64
Hourly Total	8	1	0	9	3	13	189	0	202	4	1	0	0	1	1	212
12:00PM	1	0	0	1	2	1	51	0	52	0	0	0	0	0	0	53
12:15PM	4	1	0	5	4	1	42	0	43	4	0	0	0	0	0	48
12:30PM	1	0	0	1	0	3	50	0	53	0	0	0	0	0	0	54
12:45PM	1	0	0	1	5	4	52	0	56	4	0	0	0	0	0	57
Hourly Total	7	1	0	8	11	9	195	0	204	8	0	0	0	0	0	212
1:00PM	2	0	0	2	0	6	55	0	61	4	0	0	0	0	0	63
1:15PM	3	1	0	4	5	4	38	0	42	1	0	0	0	0	0	46
1:30PM	2	0	0	2	1	8	48	0	56	4	0	0	0	0	0	58
1:45PM	3	0	0	3	0	3	52	0	55	0	0	0	0	0	0	58
Hourly Total	10	1	0	11	6	21	193	0	214	9	0	0	0	0	0	225
2:00PM	2	0	0	2	0	3	64	0	67	1	0	0	0	0	0	69
2:15PM	4	0	0	4	3	1	74	0	75	3	0	0	0	0	0	79
2:30PM	1	0	0	1	7	6	107	0	113	6	0	0	0	0	0	114
2:45PM	3	0	0	3	1	4	77	0	81	1	0	0	0	0	0	84
Hourly Total	10	0	0	10	11	14	322	0	336	11	0	0	0	0	0	346
3:00PM	3	0	0	3	5	8	119	0	127	2	0	0	0	0	0	130
3:15PM	3	0	0	3	4	6	127	0	133	2	0	0	0	0	0	136
3:30PM	10	0	0	10	1	7	129	0	136	3	0	0	0	0	0	146
3:45PM	6	0	0	6	3	4	97	0	101	2	0	0	0	0	0	107
Hourly Total	22	0	0	22	13	25	472	0	497	9	0	0	0	0	0	519
4:00PM	4	1	0	5	4	6	144	0	150	1	0	0	0	0	1	155
4:15PM	6	0	0	6	6	6	165	0	171	1	0	0	0	0	0	177

Leg Direction	Traver Street Southbound					Moore Street Westbound					Moore Street Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
4:30PM	2	1	0	3	12	5	163	0	168	1	0	0	0	0	1	171
4:45PM	3	0	0	3	8	7	186	0	193	4	0	0	0	0	0	196
Hourly Total	15	2	0	17	30	24	658	0	682	7	0	0	0	0	2	699
5:00PM	2	0	0	2	2	8	141	0	149	4	0	0	0	0	0	151
5:15PM	2	0	0	2	6	0	137	0	137	4	0	0	0	0	0	139
5:30PM	1	0	0	1	2	8	148	0	156	2	0	0	0	0	0	157
5:45PM	3	0	0	3	3	11	118	0	129	2	0	0	0	0	0	132
Hourly Total	8	0	0	8	13	27	544	0	571	12	0	0	0	0	0	579
6:00PM	3	0	0	3	4	3	101	0	104	4	0	0	0	0	0	107
6:15PM	1	0	0	1	2	8	80	0	88	1	0	0	0	0	0	89
6:30PM	2	0	0	2	2	7	58	0	65	1	0	0	0	0	0	67
6:45PM	4	0	0	4	3	6	75	0	81	2	0	0	0	0	0	85
Hourly Total	10	0	0	10	11	24	314	0	338	8	0	0	0	0	0	348
Total	145	9	0	154	166	239	3484	0	3723	108	2	0	0	2	4	3879
% Approach	94.2%	5.8%	0%	-	-	6.4%	93.6%	0%	-	-	100%	0%	0%	-	-	-
% Total	3.7%	0.2%	0%	4.0%	-	6.2%	89.8%	0%	96.0%	-	0.1%	0%	0%	0.1%	-	-
Motorcycles	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	1
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	141	4	0	145	-	229	3399	0	3628	-	1	0	0	1	-	3774
% Lights	97.2%	44.4%	0%	94.2%	-	95.8%	97.6%	0%	97.4%	-	50.0%	0%	0%	50.0%	-	97.3%
Single-Unit Trucks	2	0	0	2	-	1	28	0	29	-	0	0	0	0	-	31
% Single-Unit Trucks	1.4%	0%	0%	1.3%	-	0.4%	0.8%	0%	0.8%	-	0%	0%	0%	0%	-	0.8%
Articulated Trucks	0	0	0	0	-	0	4	0	4	-	0	0	0	0	-	4
% Articulated Trucks	0%	0%	0%	0%	-	0%	0.1%	0%	0.1%	-	0%	0%	0%	0%	-	0.1%
Buses	1	0	0	1	-	4	44	0	48	-	0	0	0	0	-	49
% Buses	0.7%	0%	0%	0.6%	-	1.7%	1.3%	0%	1.3%	-	0%	0%	0%	0%	-	1.3%
Bicycles on Road	1	5	0	6	-	5	8	0	13	-	1	0	0	1	-	20
% Bicycles on Road	0.7%	55.6%	0%	3.9%	-	2.1%	0.2%	0%	0.3%	-	50.0%	0%	0%	50.0%	-	0.5%
Pedestrians	-	-	-	-	153	-	-	-	-	96	-	-	-	-	4	-
% Pedestrians	-	-	-	-	92.2%	-	-	-	-	88.9%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	13	-	-	-	-	12	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	7.8%	-	-	-	-	11.1%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_10 Moore & Traver_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

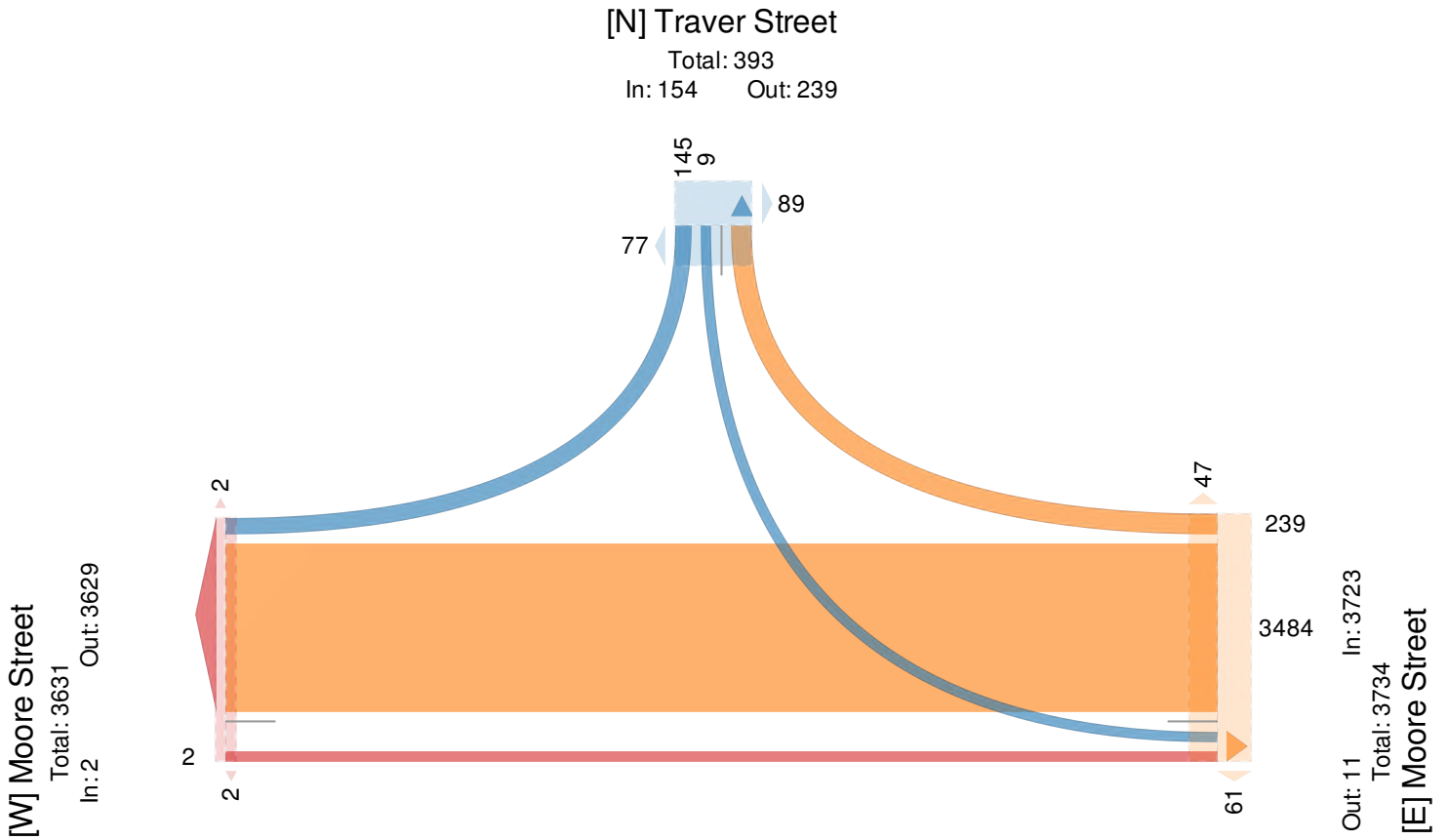
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728512, Location: 42.290075, -83.738676, Site Code: TMC_10 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_10 Moore & Traver_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:15 AM - 8:15 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728512, Location: 42.290075, -83.738676, Site Code: TMC_10 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Traver Street Southbound					Moore Street Westbound					Moore Street Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-19 7:15AM	2	0	0	2	3	6	36	0	42	3	0	0	0	0	0	44
7:30AM	3	1	0	4	3	7	59	0	66	2	0	0	0	0	0	70
7:45AM	3	1	0	4	7	5	46	0	51	4	0	0	0	0	0	55
8:00AM	8	0	0	8	4	24	38	0	62	0	0	0	0	0	0	70
Total	16	2	0	18	17	42	179	0	221	9	0	0	0	0	0	239
% Approach	88.9%	11.1%	0%	-	-	19.0%	81.0%	0%	-	-	0%	0%	0%	-	-	-
% Total	6.7%	0.8%	0%	7.5%	-	17.6%	74.9%	0%	92.5%	-	0%	0%	0%	0%	-	-
PHF	0.500	0.250	-	0.531	-	0.438	0.758	-	0.837	-	-	-	-	-	-	0.850
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	-	-	0%
Lights	16	1	0	17	-	41	170	0	211	-	0	0	0	0	-	228
% Lights	100%	50.0%	0%	94.4%	-	97.6%	95.0%	0%	95.5%	-	0%	0%	0%	-	-	95.4%
Single-Unit Trucks	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	1
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0.6%	0%	0.5%	-	0%	0%	0%	-	-	0.4%
Articulated Trucks	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0%	0.6%	0%	0.5%	-	0%	0%	0%	-	-	0.4%
Buses	0	0	0	0	-	1	7	0	8	-	0	0	0	0	-	8
% Buses	0%	0%	0%	0%	-	2.4%	3.9%	0%	3.6%	-	0%	0%	0%	-	-	3.3%
Bicycles on Road	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Bicycles on Road	0%	50.0%	0%	5.6%	-	0%	0%	0%	0%	-	0%	0%	0%	-	-	0.4%
Pedestrians	-	-	-	-	15	-	-	-	-	8	-	-	-	-	0	
% Pedestrians	-	-	-	-	88.2%	-	-	-	-	88.9%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	2	-	-	-	-	1	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	11.8%	-	-	-	-	11.1%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_10 Moore & Traver_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:15 AM - 8:15 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728512, Location: 42.290075, -83.738676, Site Code: TMC_10 Traffic Data Collection, LLC

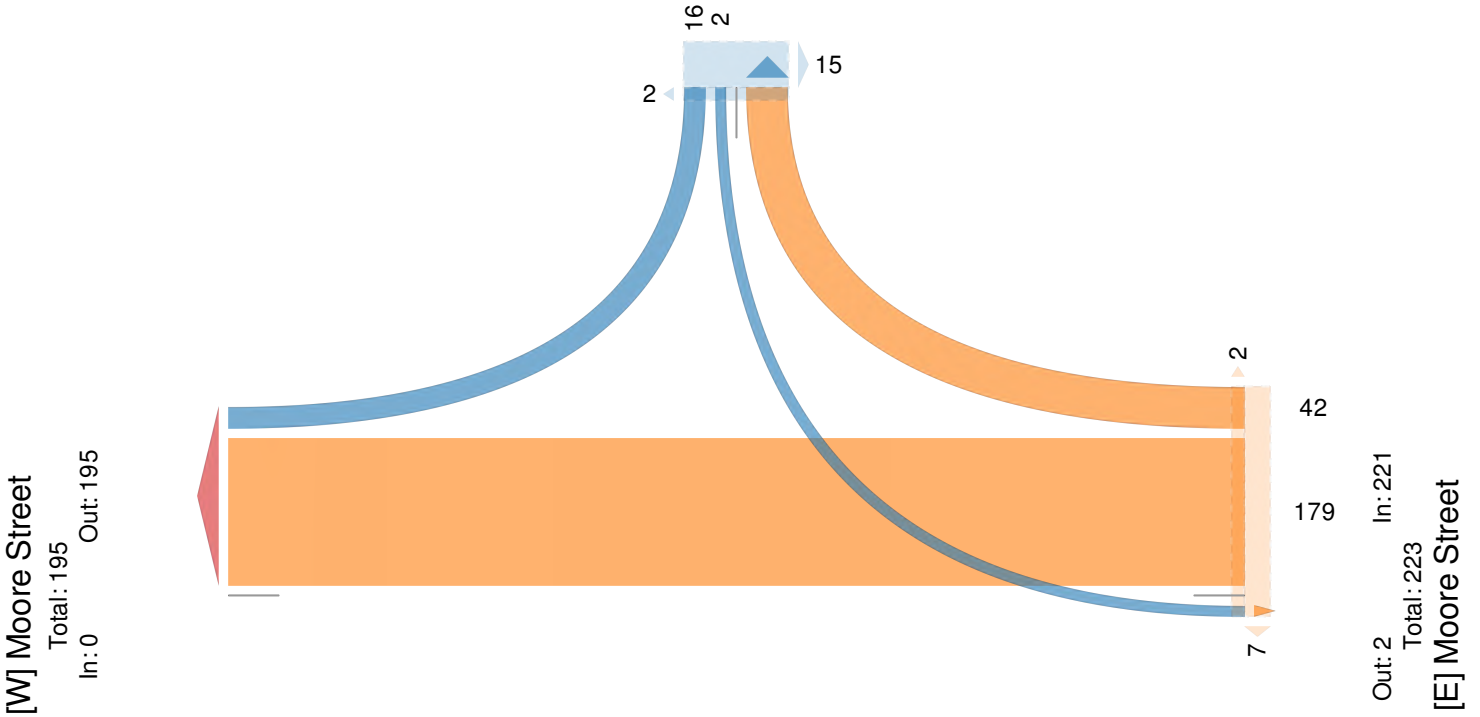


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Traver Street

Total: 60

In: 18 Out: 42



TMC_10 Moore & Traver_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728512, Location: 42.290075, -83.738676, Site Code: TMC_10 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Traver Street Southbound					Moore Street Westbound					Moore Street Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-19 11:45AM	6	1	0	7	1	5	51	0	56	1	1	0	0	1	0	64
12:00PM	1	0	0	1	2	1	51	0	52	0	0	0	0	0	0	53
12:15PM	4	1	0	5	4	1	42	0	43	4	0	0	0	0	48	
12:30PM	1	0	0	1	0	3	50	0	53	0	0	0	0	0	54	
Total	12	2	0	14	7	10	194	0	204	5	1	0	0	1	0	219
% Approach	85.7%	14.3%	0%	-	-	4.9%	95.1%	0%	-	-	100%	0%	0%	-	-	-
% Total	5.5%	0.9%	0%	6.4%	-	4.6%	88.6%	0%	93.2%	-	0.5%	0%	0%	0.5%	-	-
PHF	0.500	0.250	-	0.464	-	0.500	0.951	-	0.911	-	0.250	-	-	0.250	-	0.852
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	11	1	0	12	-	9	188	0	197	-	1	0	0	1	-	210
% Lights	91.7%	50.0%	0%	85.7%	-	90.0%	96.9%	0%	96.6%	-	100%	0%	0%	100%	-	95.9%
Single-Unit Trucks	1	0	0	1	-	0	3	0	3	-	0	0	0	0	-	4
% Single-Unit Trucks	8.3%	0%	0%	7.1%	-	0%	1.5%	0%	1.5%	-	0%	0%	0%	0%	-	1.8%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	1	3	0	4	-	0	0	0	0	-	4
% Buses	0%	0%	0%	0%	-	10.0%	1.5%	0%	2.0%	-	0%	0%	0%	0%	-	1.8%
Bicycles on Road	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Bicycles on Road	0%	50.0%	0%	7.1%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.5%
Pedestrians	-	-	-	-	7	-	-	-	-	5	-	-	-	-	0	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_10 Moore & Traver_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728512, Location: 42.290075, -83.738676, Site Code: TMC_10 Traffic Data Collection, LLC

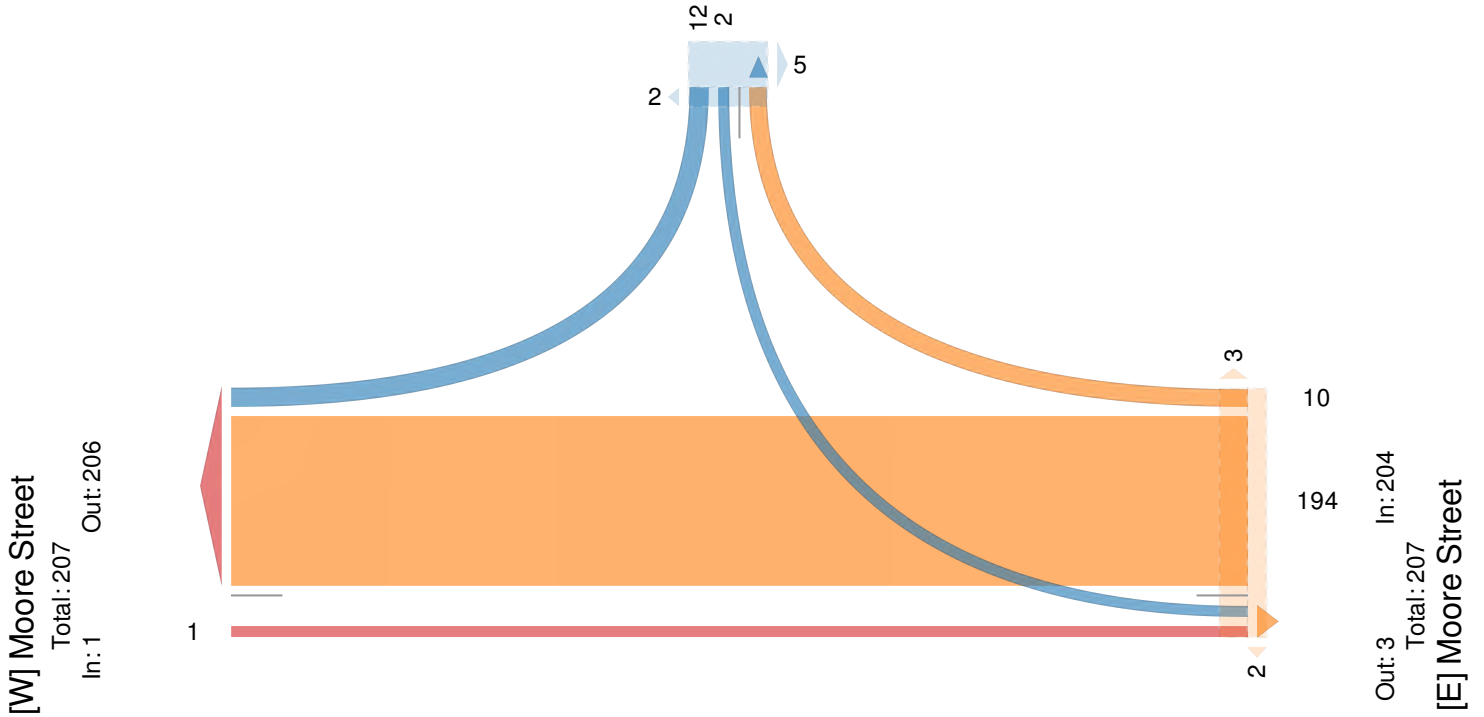


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Traver Street

Total: 24

In: 14 Out: 10



TMC_10 Moore & Traver_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4 PM - 5 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728512, Location: 42.290075, -83.738676, Site Code: TMC_10 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Traver Street Southbound					Moore Street Westbound					Moore Street Eastbound					Int	
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*		
Time																	
2019-11-19 4:00PM	4	1	0	5	4	6	144	0	150	1	0	0	0	0	0	1	155
4:15PM	6	0	0	6	6	6	165	0	171	1	0	0	0	0	0	0	177
4:30PM	2	1	0	3	12	5	163	0	168	1	0	0	0	0	0	1	171
4:45PM	3	0	0	3	8	7	186	0	193	4	0	0	0	0	0	0	196
Total	15	2	0	17	30	24	658	0	682	7	0	0	0	0	0	2	699
% Approach	88.2%	11.8%	0%	-	-	3.5%	96.5%	0%	-	-	0%	0%	0%	-	-	-	-
% Total	2.1%	0.3%	0%	2.4%	-	3.4%	94.1%	0%	97.6%	-	0%	0%	0%	0%	-	-	-
PHF	0.625	0.500	-	0.708	-	0.821	0.885	-	0.883	-	-	-	-	-	-	-	0.891
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	-	-	-	0%
Lights	15	2	0	17	-	23	649	0	672	-	0	0	0	0	-	-	689
% Lights	100%	100%	0%	100%	-	95.8%	98.6%	0%	98.5%	-	0%	0%	0%	-	-	-	98.6%
Single-Unit Trucks	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	-	1
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0.2%	0%	0.1%	-	0%	0%	0%	-	-	-	0.1%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	-	-	-	0%
Buses	0	0	0	0	-	0	5	0	5	-	0	0	0	0	-	-	5
% Buses	0%	0%	0%	0%	-	0%	0.8%	0%	0.7%	-	0%	0%	0%	-	-	-	0.7%
Bicycles on Road	0	0	0	0	-	1	3	0	4	-	0	0	0	0	-	-	4
% Bicycles on Road	0%	0%	0%	0%	-	4.2%	0.5%	0%	0.6%	-	0%	0%	0%	-	-	-	0.6%
Pedestrians	-	-	-	-	28	-	-	-	-	6	-	-	-	-	-	2	
% Pedestrians	-	-	-	-	93.3%	-	-	-	-	85.7%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	6.7%	-	-	-	-	14.3%	-	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_10 Moore & Traver_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4 PM - 5 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728512, Location: 42.290075, -83.738676, Site Code: TMC_10 Traffic Data Collection, LLC

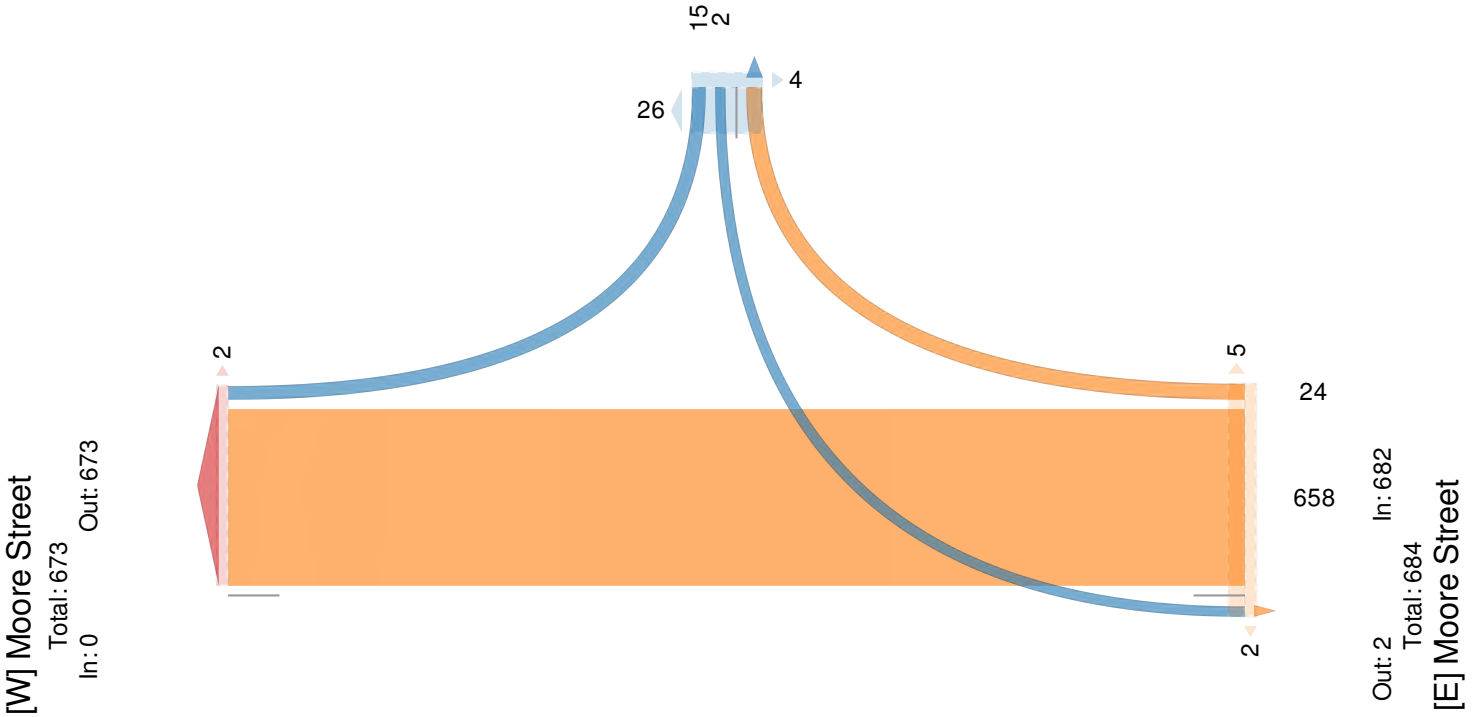


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Traver Street

Total: 41

In: 17 Out: 24





Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_11
 Barton & Traver_11-19-19
 Site Code: TMC_11
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Barton Drive Southbound					Traver Street Westbound					Barton Drive Northbound					Traver Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
6:00 AM	0	40	0	0	40	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	44
6:15 AM	0	58	0	0	58	1	0	1	0	2	3	4	0	0	7	3	0	0	0	3	70
6:30 AM	0	67	1	0	68	0	0	2	0	2	0	11	0	0	11	1	0	0	0	1	82
6:45 AM	1	71	0	0	72	4	0	2	3	6	0	14	0	0	14	1	0	4	1	5	97
Hourly Total	1	236	1	0	238	5	0	5	3	10	3	33	0	0	36	5	0	4	1	9	293
7:00 AM	3	77	0	0	80	1	0	3	0	4	2	15	2	0	19	8	1	1	1	10	113
7:15 AM	1	92	1	1	94	4	3	3	0	10	1	23	2	0	26	6	1	3	1	10	140
7:30 AM	1	90	1	1	92	2	1	7	1	10	0	33	4	1	37	7	2	2	1	11	150
7:45 AM	2	88	6	0	96	2	2	3	5	7	6	31	10	1	47	9	1	1	0	11	161
Hourly Total	7	347	8	2	362	9	6	16	6	31	9	102	18	2	129	30	5	7	3	42	564
8:00 AM	4	77	3	6	84	5	1	4	11	10	6	39	21	2	66	20	3	2	8	25	185
8:15 AM	3	91	1	5	95	7	3	12	6	22	1	36	6	1	43	25	0	2	6	27	187
8:30 AM	2	94	0	1	96	0	0	8	2	8	1	30	1	1	32	11	0	1	1	12	148
8:45 AM	0	104	3	0	107	6	1	4	0	11	1	26	4	0	31	8	2	2	1	12	161
Hourly Total	9	366	7	12	382	18	5	28	19	51	9	131	32	4	172	64	5	7	16	76	681
9:00 AM	0	72	4	0	76	2	1	0	0	3	2	21	2	1	25	0	0	0	2	0	104
9:15 AM	0	57	0	0	57	0	0	5	0	5	1	19	3	1	23	2	0	0	0	2	87
9:30 AM	0	50	2	0	52	1	1	3	0	5	2	20	3	1	25	6	0	1	2	7	89
9:45 AM	2	40	0	0	42	3	0	2	0	5	4	18	4	0	26	7	1	1	1	9	82
Hourly Total	2	219	6	0	227	6	2	10	0	18	9	78	12	3	99	15	1	2	5	18	362
10:00 AM	0	42	2	0	44	3	0	1	1	4	6	24	2	0	32	2	0	0	0	2	82
10:15 AM	1	35	1	0	37	3	0	1	0	4	1	26	0	1	27	2	0	1	0	3	71
10:30 AM	2	21	0	0	23	0	1	1	0	2	0	37	2	0	39	0	0	4	1	4	68
10:45 AM	1	37	1	0	39	1	0	2	0	3	0	25	4	0	29	3	1	0	0	4	75
Hourly Total	4	135	4	0	143	7	1	5	1	13	7	112	8	1	127	7	1	5	1	13	296
11:00 AM	0	23	2	0	25	0	0	0	1	0	3	18	4	1	25	5	1	0	1	6	56
11:15 AM	0	33	1	1	34	0	0	3	1	3	2	41	6	0	49	3	0	0	0	3	89
11:30 AM	0	29	2	0	31	4	2	7	2	13	5	32	4	0	41	2	1	1	0	4	89
11:45 AM	0	40	2	0	42	4	0	3	0	7	1	33	6	0	40	6	0	1	1	7	96
Hourly Total	0	125	7	1	132	8	2	13	4	23	11	124	20	1	155	16	2	2	2	20	330
12:00 PM	0	42	1	0	43	1	0	1	1	2	2	29	4	1	35	4	0	1	0	5	85
12:15 PM	2	38	0	0	40	0	0	3	0	3	2	30	4	0	36	2	0	1	1	3	82
12:30 PM	1	29	0	0	30	1	0	3	1	4	3	42	5	1	50	3	0	1	2	4	88
12:45 PM	0	33	1	0	34	1	0	2	1	3	2	38	5	0	45	3	0	0	0	3	85
Hourly Total	3	142	2	0	147	3	0	9	3	12	9	139	18	2	166	12	0	3	3	15	340
1:00 PM	0	42	1	0	43	3	1	5	0	9	2	46	4	2	52	5	0	1	0	6	110
1:15 PM	1	25	1	0	27	1	1	4	0	6	3	39	2	1	44	1	0	2	0	3	80
1:30 PM	0	36	3	2	39	1	0	3	1	4	3	35	2	0	40	7	0	0	2	7	90
1:45 PM	0	25	0	0	25	0	0	2	0	2	2	36	2	0	40	1	1	1	1	3	70
Hourly Total	1	128	5	2	134	5	2	14	1	21	10	156	10	3	176	14	1	4	3	19	350
2:00 PM	1	38	0	0	39	1	0	2	0	3	3	35	3	0	41	2	1	1	0	4	87
2:15 PM	0	21	2	0	23	0	0	2	0	2	3	56	7	0	66	3	0	0	0	3	94
2:30 PM	2	39	0	0	41	0	0	4	2	4	2	60	3	0	65	2	2	2	0	6	116
2:45 PM	4	31	0	1	35	0	0	2	0	2	3	58	7	2	68	2	1	2	3	5	110
Hourly Total	7	129	2	1	138	1	0	10	2	11	11	209	20	2	240	9	4	5	3	18	407
3:00 PM	3	36	1	2	40	4	1	3	3	8	7	76	8	0	91	3	1	1	2	5	144
3:15 PM	3	30	4	7	37	4	0	6	5	10	5	99	18	1	122	10	0	0	13	10	179
3:30 PM	2	47	3	2	52	4	5	7	6	16	5	93	8	0	106	15	2	1	9	18	192
3:45 PM	0	32	1	0	33	2	2	4	0	8	4	76	6	2	86	6	0	1	1	7	134
Hourly Total	8	145	9	11	162	14	8	20	14	42	21	344	40	3	405	34	3	3	25	40	649
4:00 PM	1	31	1	0	33	6	0	6	0	12	2	100	5	0	107	3	1	2	0	6	158
4:15 PM	0	18	4	1	22	3	2	3	0	8	5	95	3	2	103	8	1	0	0	9	142
4:30 PM	1	30	1	3	32	0	1	4	5	5	4	125	5	1	134	1	1	2	1	4	175
4:45 PM	1	37	4	0	42	5	0	4	1	9	3	135	8	1	146	8	3	1	0	12	209
Hourly Total	3	116	10	4	129	14	3	17	6	34	14	455	21	4	490	20	6	5	1	31	684
5:00 PM	1	37	3	3	41	2	1	5	4	8	4	104	7	0	115	9	0	2	2	11	175
5:15 PM	0	44	1	1	45	3	1	3	2	7	3	98	10	1	111	3	1	2	2	6	169

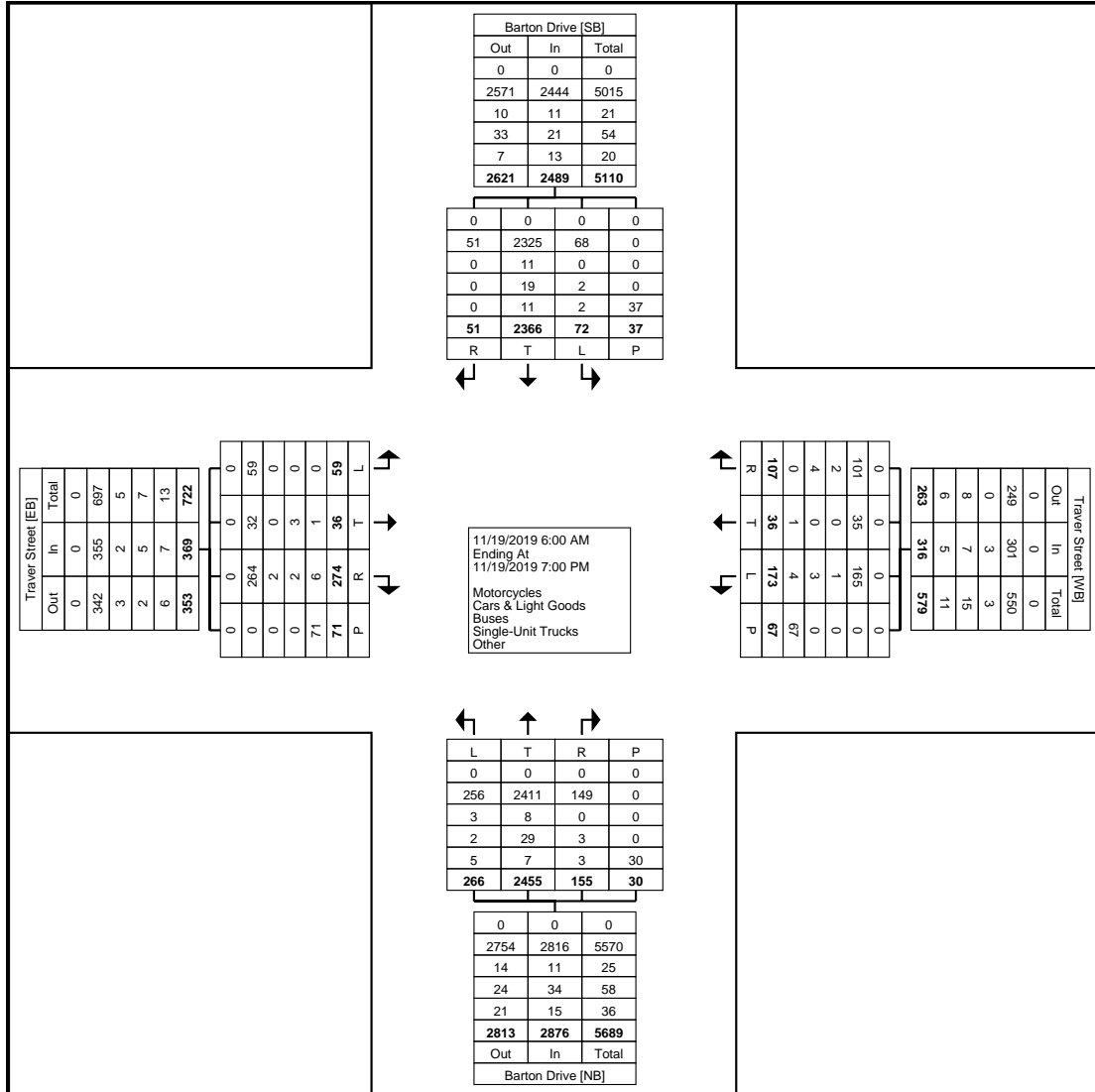
5:30 PM	1	36	2	0	39	4	2	2	0	8	6	97	6	0	109	10	1	1	1	12	168
5:45 PM	0	48	2	0	50	0	0	2	1	2	2	68	4	0	74	12	1	1	0	14	140
Hourly Total	2	165	8	4	175	9	4	12	7	25	15	367	27	1	409	34	3	6	5	43	652
6:00 PM	0	31	0	0	31	2	0	2	0	4	5	65	7	2	77	4	2	0	1	6	118
6:15 PM	0	29	3	0	32	2	0	5	0	7	8	58	11	2	77	5	0	2	0	7	123
6:30 PM	1	24	0	0	25	2	1	4	1	7	6	47	9	0	62	2	2	1	2	5	99
6:45 PM	3	29	0	0	32	2	2	3	0	7	8	35	13	0	56	3	1	3	0	7	102
Hourly Total	4	113	3	0	120	8	3	14	1	25	27	205	40	4	272	14	5	6	3	25	442
Grand Total	51	2366	72	37	2489	107	36	173	67	316	155	2455	266	30	2876	274	36	59	71	369	6050
Approach %	2.0	95.1	2.9	-	-	33.9	11.4	54.7	-	-	5.4	85.4	9.2	-	-	74.3	9.8	16.0	-	-	-
Total %	0.8	39.1	1.2	-	41.1	1.8	0.6	2.9	-	5.2	2.6	40.6	4.4	-	47.5	4.5	0.6	1.0	-	6.1	-
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	51	2325	68	-	2444	101	35	165	-	301	149	2411	256	-	2816	264	32	59	-	355	5916
% Cars & Light Goods	100.0	98.3	94.4	-	98.2	94.4	97.2	95.4	-	95.3	96.1	98.2	96.2	-	97.9	96.4	88.9	100.0	-	96.2	97.8
Buses	0	11	0	-	11	2	0	1	-	3	0	8	3	-	11	2	0	0	-	2	27
% Buses	0.0	0.5	0.0	-	0.4	1.9	0.0	0.6	-	0.9	0.0	0.3	1.1	-	0.4	0.7	0.0	0.0	-	0.5	0.4
Single-Unit Trucks	0	19	2	-	21	4	0	3	-	7	3	29	2	-	34	2	3	0	-	5	67
% Single-Unit Trucks	0.0	0.8	2.8	-	0.8	3.7	0.0	1.7	-	2.2	1.9	1.2	0.8	-	1.2	0.7	8.3	0.0	-	1.4	1.1
Articulated Trucks	0	3	1	-	4	0	0	3	-	3	3	4	0	-	7	0	0	0	-	0	14
% Articulated Trucks	0.0	0.1	1.4	-	0.2	0.0	0.0	1.7	-	0.9	1.9	0.2	0.0	-	0.2	0.0	0.0	0.0	-	0.0	0.2
Bicycles on Road	0	8	1	-	9	0	1	1	-	2	0	3	5	-	8	6	1	0	-	7	26
% Bicycles on Road	0.0	0.3	1.4	-	0.4	0.0	2.8	0.6	-	0.6	0.0	0.1	1.9	-	0.3	2.2	2.8	0.0	-	1.9	0.4
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	8	-	-	-	-	1	-	-	-	-	2	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	11.9	-	-	-	-	3.3	-	-	-	-	2.8	-	-
Pedestrians	-	-	-	37	-	-	-	-	59	-	-	-	-	29	-	-	-	-	69	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	88.1	-	-	-	-	96.7	-	-	-	-	97.2	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_11
 Barton & Traver_11-19-19
 Site Code: TMC_11
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Count Name: TMC_11
 Barton & Traver_11-19-19
 Site Code: TMC_11
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:30 AM)

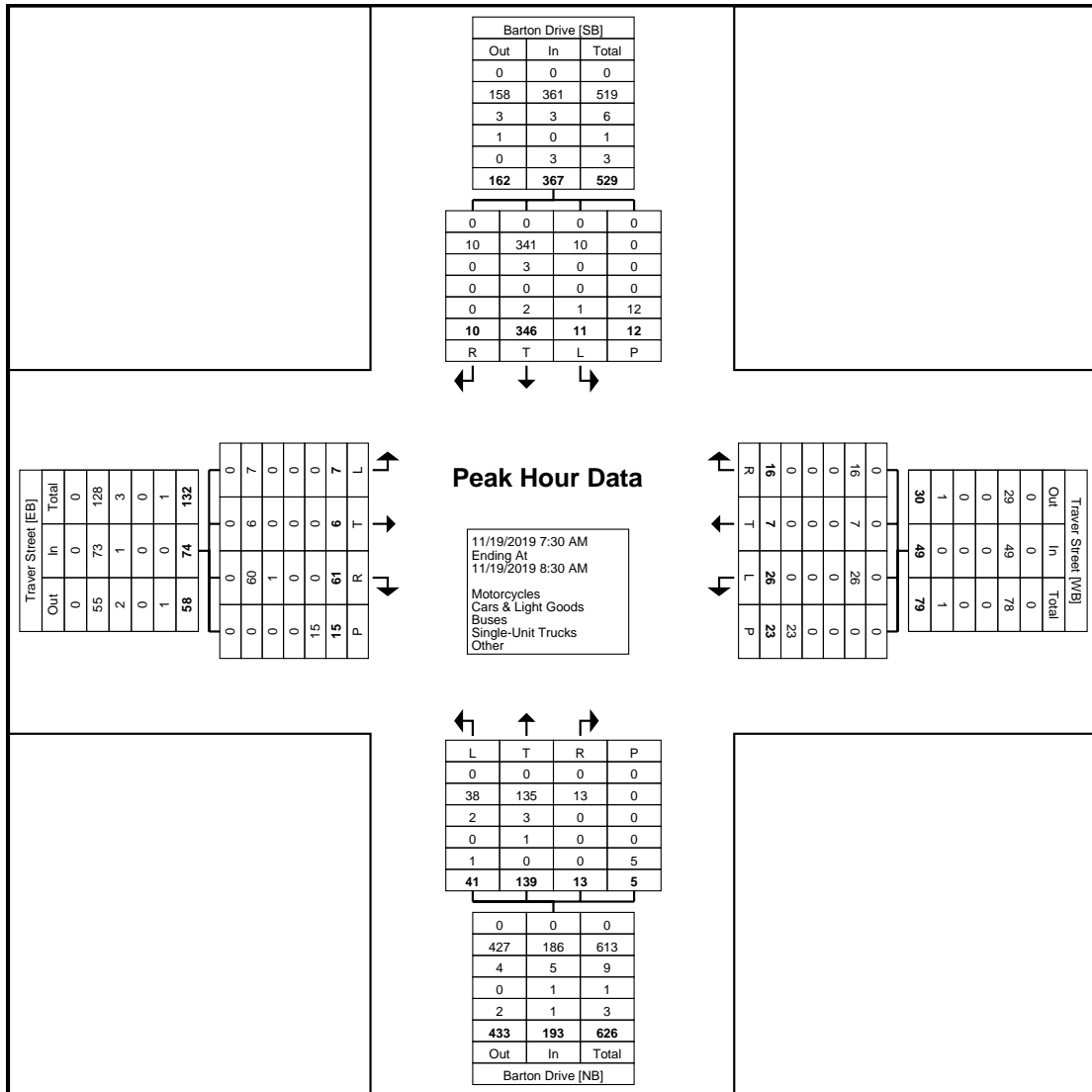
Start Time	Barton Drive Southbound					Traver Street Westbound					Barton Drive Northbound					Traver Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
7:30 AM	1	90	1	1	92	2	1	7	1	10	0	33	4	1	37	7	2	2	1	11	150
7:45 AM	2	88	6	0	96	2	2	3	5	7	6	31	10	1	47	9	1	1	0	11	161
8:00 AM	4	77	3	6	84	5	1	4	11	10	6	39	21	2	66	20	3	2	8	25	185
8:15 AM	3	91	1	5	95	7	3	12	6	22	1	36	6	1	43	25	0	2	6	27	187
Total	10	346	11	12	367	16	7	26	23	49	13	139	41	5	193	61	6	7	15	74	683
Approach %	2.7	94.3	3.0	-	-	32.7	14.3	53.1	-	-	6.7	72.0	21.2	-	-	82.4	8.1	9.5	-	-	-
Total %	1.5	50.7	1.6	-	53.7	2.3	1.0	3.8	-	7.2	1.9	20.4	6.0	-	28.3	8.9	0.9	1.0	-	10.8	-
PHF	0.625	0.951	0.458	-	0.956	0.571	0.583	0.542	-	0.557	0.542	0.891	0.488	-	0.731	0.610	0.500	0.875	-	0.685	0.913
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	10	341	10	-	361	16	7	26	-	49	13	135	38	-	186	60	6	7	-	73	669
% Cars & Light Goods	100.0	98.6	90.9	-	98.4	100.0	100.0	100.0	-	100.0	100.0	97.1	92.7	-	96.4	98.4	100.0	100.0	-	98.6	98.0
Buses	0	3	0	-	3	0	0	0	-	0	0	3	2	-	5	1	0	0	-	1	9
% Buses	0.0	0.9	0.0	-	0.8	0.0	0.0	0.0	-	0.0	0.0	2.2	4.9	-	2.6	1.6	0.0	0.0	-	1.4	1.3
Single-Unit Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	1
% Single-Unit Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.7	0.0	-	0.5	0.0	0.0	0.0	-	0.0	0.1
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	2	1	-	3	0	0	0	-	0	0	0	1	-	1	0	0	0	-	0	4
% Bicycles on Road	0.0	0.6	9.1	-	0.8	0.0	0.0	0.0	-	0.0	0.0	0.0	2.4	-	0.5	0.0	0.0	0.0	-	0.0	0.6
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	2	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	8.7	-	-	-	-	0.0	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	12	-	-	-	-	21	-	-	-	-	5	-	-	-	-	15	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	91.3	-	-	-	-	100.0	-	-	-	-	100.0	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_11
 Barton & Traver_11-19-19
 Site Code: TMC_11
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:30 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_11
 Barton & Traver_11-19-19
 Site Code: TMC_11
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:15 AM)

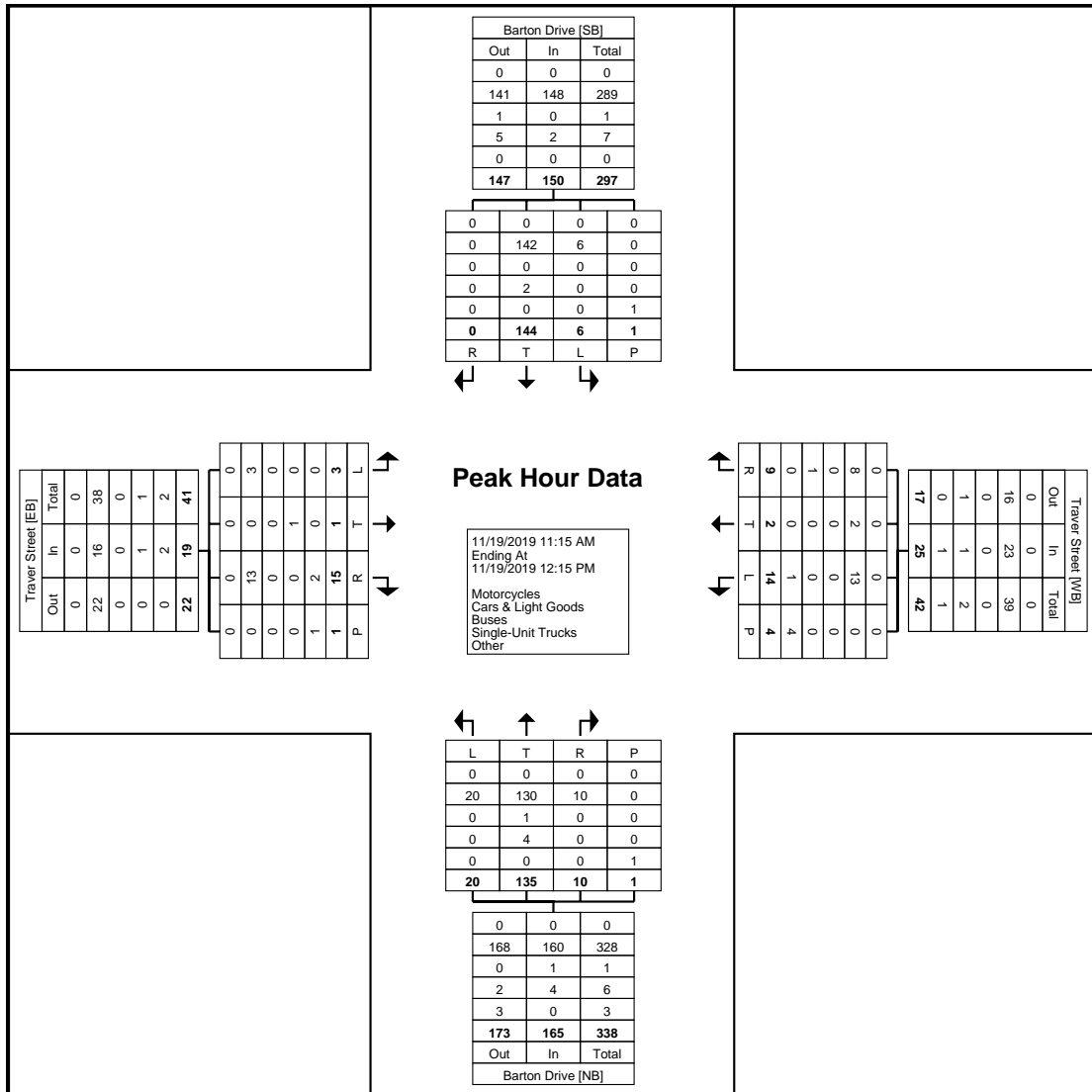
Start Time	Barton Drive Southbound					Traver Street Westbound					Barton Drive Northbound					Traver Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
11:15 AM	0	33	1	1	34	0	0	3	1	3	2	41	6	0	49	3	0	0	0	3	89
11:30 AM	0	29	2	0	31	4	2	7	2	13	5	32	4	0	41	2	1	1	0	4	89
11:45 AM	0	40	2	0	42	4	0	3	0	7	1	33	6	0	40	6	0	1	1	7	96
12:00 PM	0	42	1	0	43	1	0	1	1	2	2	29	4	1	35	4	0	1	0	5	85
Total	0	144	6	1	150	9	2	14	4	25	10	135	20	1	165	15	1	3	1	19	359
Approach %	0.0	96.0	4.0	-	-	36.0	8.0	56.0	-	-	6.1	81.8	12.1	-	-	78.9	5.3	15.8	-	-	-
Total %	0.0	40.1	1.7	-	41.8	2.5	0.6	3.9	-	7.0	2.8	37.6	5.6	-	46.0	4.2	0.3	0.8	-	5.3	-
PHF	0.000	0.857	0.750	-	0.872	0.563	0.250	0.500	-	0.481	0.500	0.823	0.833	-	0.842	0.625	0.250	0.750	-	0.679	0.935
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	0	142	6	-	148	8	2	13	-	23	10	130	20	-	160	13	0	3	-	16	347
% Cars & Light Goods	-	98.6	100.0	-	98.7	88.9	100.0	92.9	-	92.0	100.0	96.3	100.0	-	97.0	86.7	0.0	100.0	-	84.2	96.7
Buses	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	1
% Buses	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.7	0.0	-	0.6	0.0	0.0	0.0	-	0.0	0.3
Single-Unit Trucks	0	2	0	-	2	1	0	0	-	1	0	4	0	-	4	0	1	0	-	1	8
% Single-Unit Trucks	-	1.4	0.0	-	1.3	11.1	0.0	0.0	-	4.0	0.0	3.0	0.0	-	2.4	0.0	100.0	0.0	-	5.3	2.2
Articulated Trucks	0	0	0	-	0	0	0	1	-	1	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	-	0.0	0.0	-	0.0	0.0	0.0	7.1	-	4.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.3
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	2	0	0	-	2	2
% Bicycles on Road	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	13.3	0.0	0.0	-	10.5	0.6
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	2	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	50.0	-	-	-	-	0.0	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	1	-	-	-	-	2	-	-	-	-	1	-	-	-	-	1	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	50.0	-	-	-	-	100.0	-	-	-	-	100.0	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_11
 Barton & Traver_11-19-19
 Site Code: TMC_11
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:15 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_11
 Barton & Traver_11-19-19
 Site Code: TMC_11
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:30 PM)

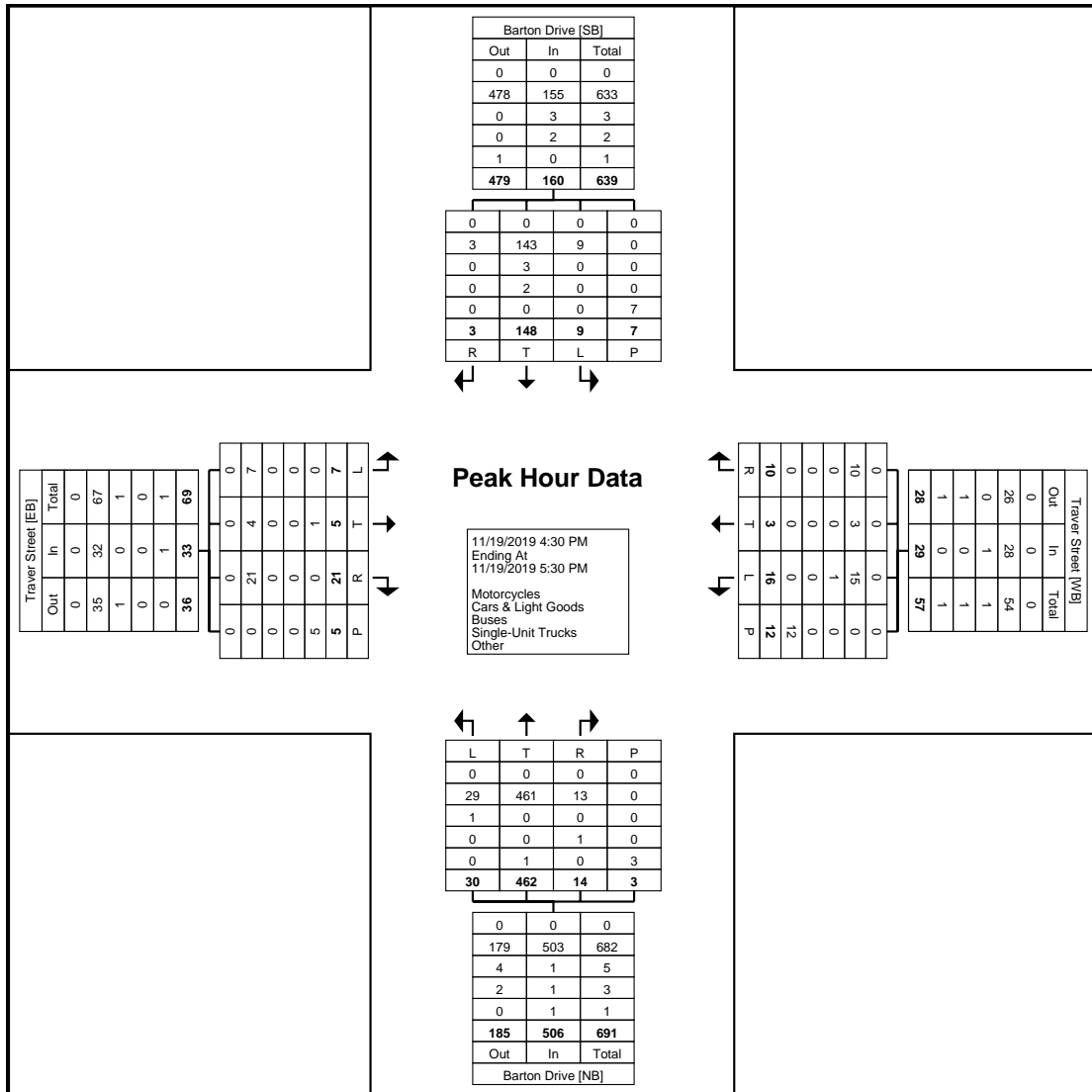
Start Time	Barton Drive Southbound					Traver Street Westbound					Barton Drive Northbound					Traver Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
4:30 PM	1	30	1	3	32	0	1	4	5	5	4	125	5	1	134	1	1	2	1	4	175
4:45 PM	1	37	4	0	42	5	0	4	1	9	3	135	8	1	146	8	3	1	0	12	209
5:00 PM	1	37	3	3	41	2	1	5	4	8	4	104	7	0	115	9	0	2	2	11	175
5:15 PM	0	44	1	1	45	3	1	3	2	7	3	98	10	1	111	3	1	2	2	6	169
Total	3	148	9	7	160	10	3	16	12	29	14	462	30	3	506	21	5	7	5	33	728
Approach %	1.9	92.5	5.6	-	-	34.5	10.3	55.2	-	-	2.8	91.3	5.9	-	-	63.6	15.2	21.2	-	-	-
Total %	0.4	20.3	1.2	-	22.0	1.4	0.4	2.2	-	4.0	1.9	63.5	4.1	-	69.5	2.9	0.7	1.0	-	4.5	-
PHF	0.750	0.841	0.563	-	0.889	0.500	0.750	0.800	-	0.806	0.875	0.856	0.750	-	0.866	0.583	0.417	0.875	-	0.688	0.871
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	3	143	9	-	155	10	3	15	-	28	13	461	29	-	503	21	4	7	-	32	718
% Cars & Light Goods	100.0	96.6	100.0	-	96.9	100.0	100.0	93.8	-	96.6	92.9	99.8	96.7	-	99.4	100.0	80.0	100.0	-	97.0	98.6
Buses	0	3	0	-	3	0	0	1	-	1	0	0	1	-	1	0	0	0	-	0	5
% Buses	0.0	2.0	0.0	-	1.9	0.0	0.0	6.3	-	3.4	0.0	0.0	3.3	-	0.2	0.0	0.0	0.0	-	0.0	0.7
Single-Unit Trucks	0	2	0	-	2	0	0	0	-	0	1	0	0	-	1	0	0	0	-	0	3
% Single-Unit Trucks	0.0	1.4	0.0	-	1.3	0.0	0.0	0.0	-	0.0	7.1	0.0	0.0	-	0.2	0.0	0.0	0.0	-	0.0	0.4
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	1	0	-	1	2
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.2	0.0	-	0.2	0.0	20.0	0.0	-	3.0	0.3
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	1	-	-	-	-	1	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	8.3	-	-	-	-	33.3	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	7	-	-	-	-	11	-	-	-	-	2	-	-	-	-	5	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	91.7	-	-	-	-	66.7	-	-	-	-	100.0	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Barton Drive
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5DW
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_11
 Barton & Traver_11-19-19
 Site Code: TMC_11
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:30 PM)



Project: Lower Town Area
Mobility Study
Corridor: Barton Drive
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU5DW
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_11
Barton & Traver_11-19-19
Site Code: TMC_11
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized, all-way stop controlled intersection. VCU camera was located within SW intersection quadrant. Northwest Elementary School located within NW quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

Leg Direction	Barton Drive Southbound					Traver Street Westbound					Barton Drive Northbound					Traver Street Eastbound									
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
Lights	51	2325	68	0	2444	-	101	35	165	0	301	-	149	2411	256	0	2816	-	264	32	59	0	355	-	5916
% Lights	100%	98.3%	94.4%	0%	98.2%	-	94.4%	97.2%	95.4%	0%	95.3%	-	96.1%	98.2%	96.2%	0%	97.9%	-	96.4%	88.9%	100%	0%	96.2%	-	97.8%
Single-Unit Trucks	0	19	2	0	21	-	4	0	3	0	7	-	3	29	2	0	34	-	2	3	0	0	5	-	67
% Single-Unit Trucks	0%	0.8%	2.8%	0%	0.8%	-	3.7%	0%	1.7%	0%	2.2%	-	1.9%	1.2%	0.8%	0%	1.2%	-	0.7%	8.3%	0%	0%	1.4%	-	1.1%
Articulated Trucks	0	3	1	0	4	-	0	0	3	0	3	-	3	4	0	0	7	-	0	0	0	0	0	-	14
% Articulated Trucks	0%	0.1%	1.4%	0%	0.2%	-	0%	0%	1.7%	0%	0.9%	-	1.9%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.2%
Buses	0	11	0	0	11	-	2	0	1	0	3	-	0	8	3	0	11	-	2	0	0	0	2	-	27
% Buses	0%	0.5%	0%	0%	0.4%	-	1.9%	0%	0.6%	0%	0.9%	-	0%	0.3%	1.1%	0%	0.4%	-	0.7%	0%	0%	0%	0.5%	-	0.4%
Bicycles on Road	0	8	1	0	9	-	0	1	1	0	2	-	0	3	5	0	8	-	6	1	0	0	7	-	26
% Bicycles on Road	0%	0.3%	1.4%	0%	0.4%	-	0%	2.8%	0.6%	0%	0.6%	-	0%	0.1%	1.9%	0%	0.3%	-	2.2%	2.8%	0%	0%	1.9%	-	0.4%
Pedestrians	-	-	-	-	-	37	-	-	-	-	-	59	-	-	-	-	-	29	-	-	-	-	-	-	69
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	88.1%	-	-	-	-	-	96.7%	-	-	-	-	-	-	97.2%
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	8	-	-	-	-	-	1	-	-	-	-	-	-	2
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	11.9%	-	-	-	-	-	3.3%	-	-	-	-	-	-	2.8%

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_11 Barton & Traver_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

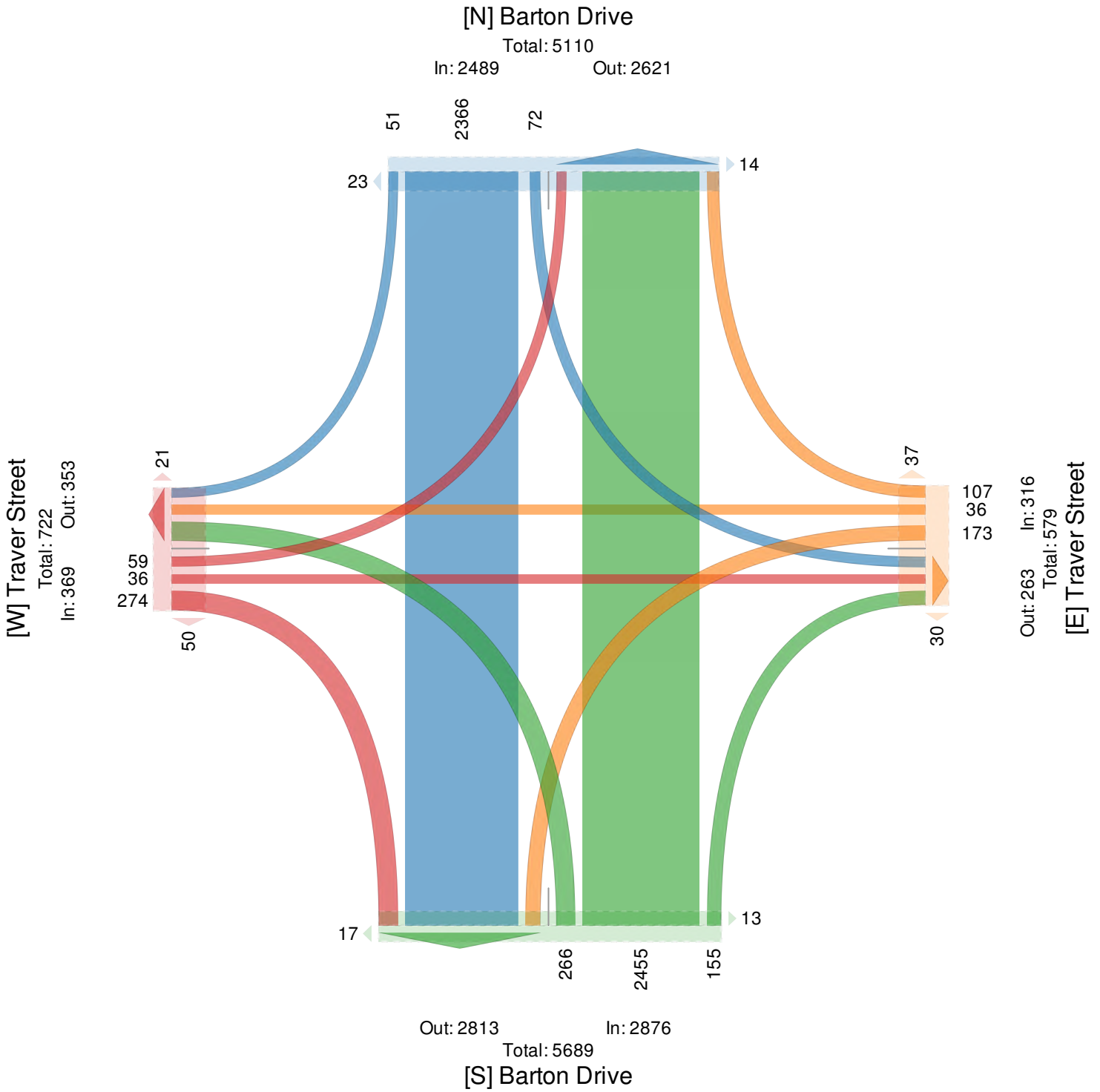
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728515, Location: 42.298155, -83.73205, Site Code: TMC_11 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_11 Barton & Traver_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians,

Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728515, Location: 42.298155, -83.73205, Site Code: TMC_11 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Barton Drive Southbound						Traver Street Westbound						Barton Drive Northbound						Traver Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 7:30AM	1	90	1	0	92	1	2	1	7	0	10	1	0	33	4	0	37	1	7	2	2	0	11	1	150
7:45AM	2	88	6	0	96	0	2	2	3	0	7	5	6	31	10	0	47	1	9	1	1	0	11	0	161
8:00AM	4	77	3	0	84	6	5	1	4	0	10	11	6	39	21	0	66	2	20	3	2	0	25	8	185
8:15AM	3	91	1	0	95	5	7	3	12	0	22	6	1	36	6	0	43	1	25	0	2	0	27	6	187
Total	10	346	11	0	367	12	16	7	26	0	49	23	13	139	41	0	193	5	61	6	7	0	74	15	683
% Approach	2.7%	94.3%	3.0%	0%	-	-	32.7%	14.3%	53.1%	0%	-	-	6.7%	72.0%	21.2%	0%	-	-	82.4%	8.1%	9.5%	0%	-	-	-
% Total	1.5%	50.7%	1.6%	0%	53.7%	-	2.3%	1.0%	3.8%	0%	7.2%	-	1.9%	20.4%	6.0%	0%	28.3%	-	8.9%	0.9%	1.0%	0%	10.8%	-	-
PHF	0.625	0.945	0.500	-	0.958	-	0.571	0.583	0.542	-	0.557	-	0.542	0.891	0.476	-	0.727	-	0.610	0.500	0.875	-	0.685	-	0.908
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	0	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%
Lights	10	341	10	0	361	-	16	7	26	0	49	-	13	135	38	0	186	-	60	6	7	0	73	-	669
% Lights	100%	98.6%	90.9%	0%	98.4%	-	100%	100%	100%	0%	100%	-	100%	97.1%	92.7%	0%	96.4%	-	98.4%	100%	100%	0%	98.6%	-	98.0%
Single-Unit Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	0	1
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.7%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	0%	0.1%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	0	0
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%
Buses	0	3	0	0	3	-	0	0	0	0	0	-	0	3	2	0	5	-	1	0	0	0	1	-	9
% Buses	0%	0.9%	0%	0%	0.8%	-	0%	0%	0%	0%	0%	-	0%	2.2%	4.9%	0%	2.6%	-	1.6%	0%	0%	0%	1.4%	-	1.3%
Bicycles on Road	0	2	1	0	3	-	0	0	0	0	0	-	0	0	1	0	1	-	0	0	0	0	0	0	4
% Bicycles on Road	0%	0.6%	9.1%	0%	0.8%	-	0%	0%	0%	0%	0%	-	0%	0%	2.4%	0%	0.5%	-	0%	0%	0%	0%	0%	0%	0.6%
Pedestrians	-	-	-	-	-	12	-	-	-	-	-	21	-	-	-	-	-	5	-	-	-	-	-	-	15
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	91.3%	-	-	-	-	-	100%	-	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	8.7%	-	-	-	-	-	0%	-	-	-	-	-	-	0%

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_11 Barton & Traver_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM)

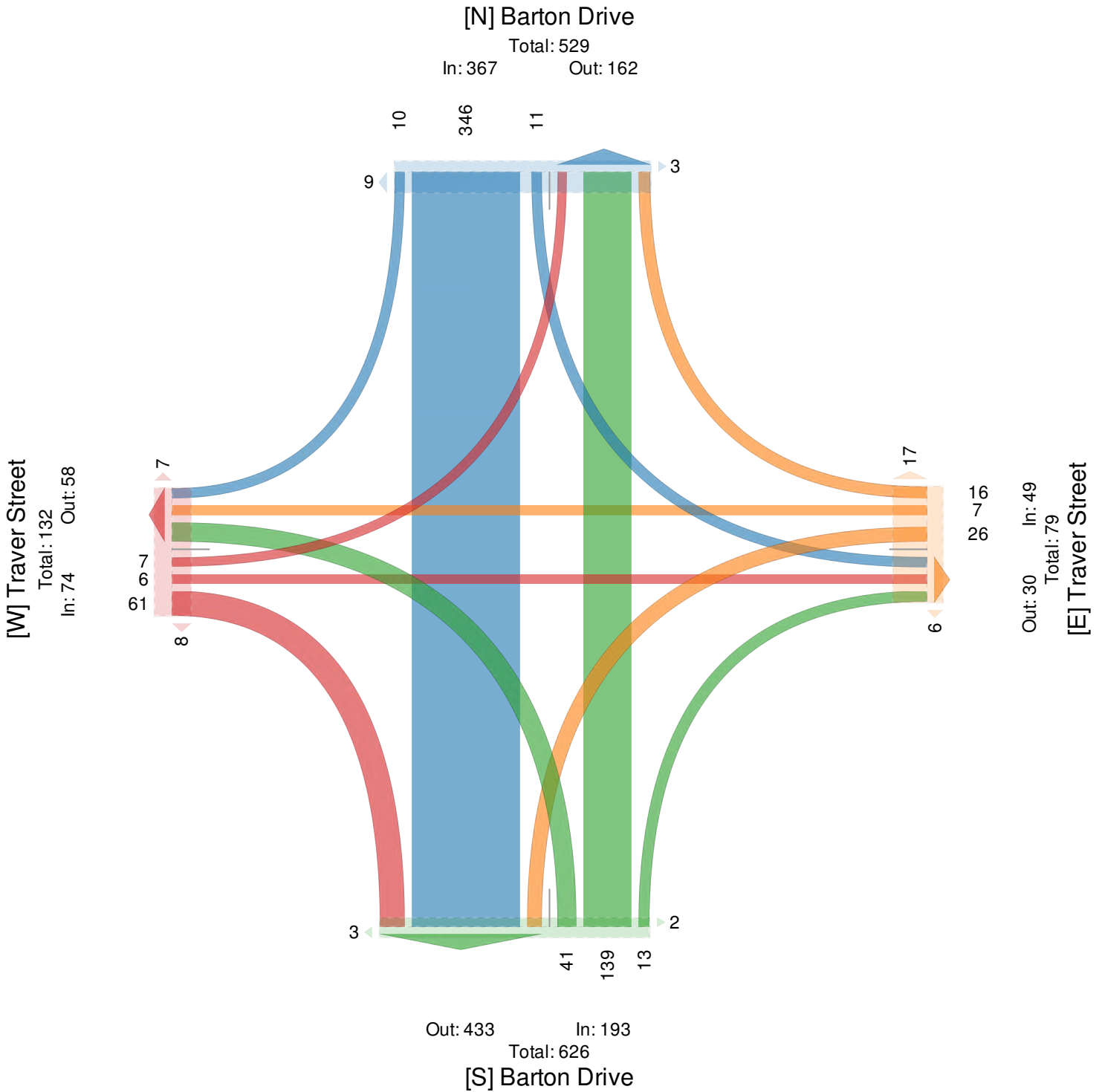
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728515, Location: 42.298155, -83.73205, Site Code: TMC_11 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_11 Barton & Traver_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728515, Location: 42.298155, -83.73205, Site Code: TMC_11 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction Time	Barton Drive Southbound						Traver Street Westbound						Barton Drive Northbound						Traver Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 11:15AM	0	33	1	0	34	1	0	0	3	0	3	1	2	41	6	0	49	0	3	0	0	0	3	0	89
11:30AM	0	29	2	0	31	0	4	2	7	0	13	2	5	32	4	0	41	0	2	1	1	0	4	0	89
11:45AM	0	40	2	0	42	0	4	0	3	0	7	0	1	33	6	0	40	0	6	0	1	0	7	1	96
12:00PM	0	42	1	0	43	0	1	0	1	0	2	1	2	29	4	0	35	1	4	0	1	0	5	0	85
Total	0	144	6	0	150	1	9	2	14	0	25	4	10	135	20	0	165	1	15	1	3	0	19	1	359
% Approach	0%	96.0%	4.0%	0%	-	-	36.0%	8.0%	56.0%	0%	-	-	6.1%	81.8%	12.1%	0%	-	-	78.9%	5.3%	15.8%	0%	-	-	-
% Total	0%	40.1%	1.7%	0%	41.8%	-	2.5%	0.6%	3.9%	0%	7.0%	-	2.8%	37.6%	5.6%	0%	46.0%	-	4.2%	0.3%	0.8%	0%	5.3%	-	-
PHF	-	0.857	0.750	-	0.872	-	0.563	0.250	0.500	-	0.481	-	0.500	0.823	0.833	-	0.842	-	0.650	0.250	0.750	-	0.708	-	0.939
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	0	142	6	0	148	-	8	2	13	0	23	-	10	130	20	0	160	-	13	0	3	0	16	-	347
% Lights	0%	98.6%	100%	0%	98.7%	-	88.9%	100%	92.9%	0%	92.0%	-	100%	96.3%	100%	0%	97.0%	-	86.7%	0%	100%	0%	84.2%	-	96.7%
Single-Unit Trucks	0	2	0	0	2	-	1	0	0	0	1	-	0	4	0	0	4	-	0	1	0	0	1	-	8
% Single-Unit Trucks	0%	1.4%	0%	0%	1.3%	-	11.1%	0%	0%	0%	4.0%	-	0%	3.0%	0%	0%	2.4%	-	0%	100%	0%	0%	5.3%	-	2.2%
Articulated Trucks	0	0	0	0	0	-	0	0	1	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	7.1%	0%	4.0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.3%
Buses	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	1
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.7%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	0.3%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	2	0	0	0	2	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	13.3%	0%	0%	0%	10.5%	-	0.6%
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	1	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	50.0%	-	-	-	-	-	100%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	50.0%	-	-	-	-	-	0%	-	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_11 Barton & Traver_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

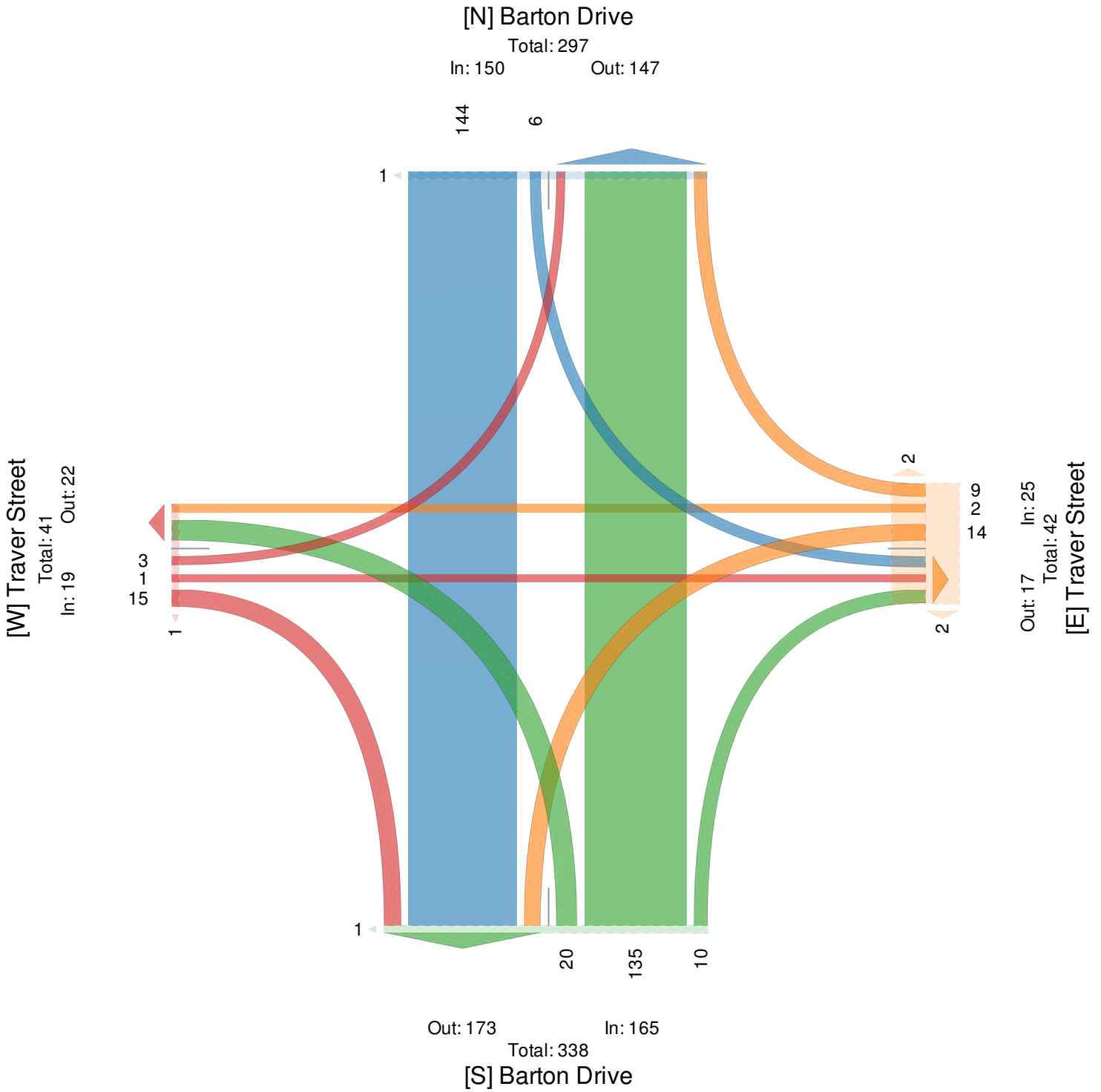
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728515, Location: 42.298155, -83.73205, Site Code: TMC_11 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_11 Barton & Traver_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728515, Location: 42.298155, -83.73205, Site Code: TMC_11 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Barton Drive Southbound						Traver Street Westbound						Barton Drive Northbound						Traver Street Eastbound						Int					
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*						
Time																														
2019-11-19 4:30PM	1	30	1	0	32	3	0	1	4	0	5	5	4	125	5	0	134	1	1	1	2	0	4	1						
4:45PM	1	37	4	0	42	0	5	0	4	0	9	1	3	135	8	0	146	1	8	3	1	0	12	0	209					
5:00PM	1	37	3	0	41	3	2	1	5	0	8	4	4	104	7	0	115	0	9	0	2	0	11	2	175					
5:15PM	0	44	1	0	45	1	3	1	3	0	7	2	3	98	10	0	111	1	3	1	2	0	6	2	169					
Total	3	148	9	0	160	7	10	3	16	0	29	12	14	462	30	0	506	3	21	5	7	0	33	5	728					
% Approach	1.9%	92.5%	5.6%	0%	-	-	34.5%	10.3%	55.2%	0%	-	-	2.8%	91.3%	5.9%	0%	-	-	63.6%	15.2%	21.2%	0%	-	-	-	-	-	-	-	-
% Total	0.4%	20.3%	1.2%	0%	22.0%	-	1.4%	0.4%	2.2%	0%	4.0%	-	1.9%	63.5%	4.1%	0%	69.5%	-	2.9%	0.7%	1.0%	0%	4.5%	-	-	-	-	-	-	-
PHF	0.750	0.841	0.563	-	0.889	-	0.500	0.750	0.800	-	0.806	-	0.875	0.854	0.750	-	0.865	-	0.583	0.500	0.875	-	0.727	-	0.873					
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	-	-	-	-	-
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	-	-	-	-	-
Lights	3	143	9	0	155	-	10	3	15	0	28	-	13	461	29	0	503	-	21	4	7	0	32	-	718					
% Lights	100%	96.6%	100%	0%	96.9%	-	100%	100%	93.8%	0%	96.6%	-	92.9%	99.8%	96.7%	0%	99.4%	-	100%	80.0%	100%	0%	97.0%	-	98.6%					
Single-Unit Trucks	0	2	0	0	2	-	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	3					
% Single-Unit Trucks	0%	1.4%	0%	0%	1.3%	-	0%	0%	0%	0%	0%	-	7.1%	0%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.4%					
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0					
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%					
Buses	0	3	0	0	3	-	0	0	1	0	1	-	0	0	1	0	1	-	0	0	0	0	0	-	5					
% Buses	0%	2.0%	0%	0%	1.9%	-	0%	0%	6.3%	0%	3.4%	-	0%	0%	3.3%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.7%					
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	0	1	0	0	1	-	2					
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	20.0%	0%	0%	3.0%	-	0.3%					
Pedestrians	-	-	-	-	-	7	-	-	-	-	-	11	-	-	-	-	-	2	-	-	-	-	-	5						
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	91.7%	-	-	-	-	-	66.7%	-	-	-	-	-	100%	-					
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	0						
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	8.3%	-	-	-	-	-	33.3%	-	-	-	-	-	0%						

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_11 Barton & Traver_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

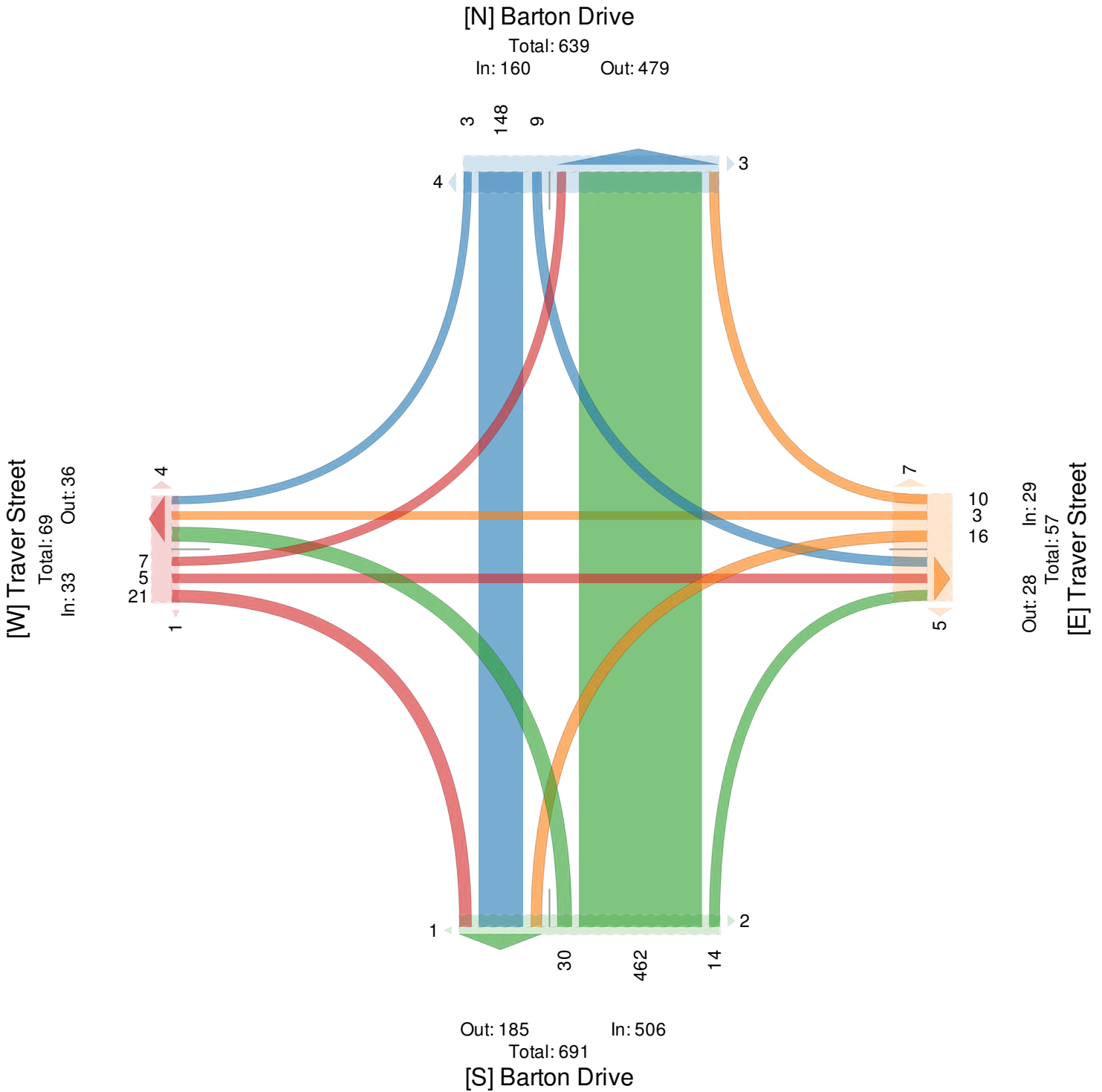
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728515, Location: 42.298155, -83.73205, Site Code: TMC_11 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Plymouth Road
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU9HT
 SW

Count Name: TMC_12
 Plymouth & Barton_11-19-19
 Site Code: TMC_12
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Plymouth Road Southbound				Barton Drive Westbound				Plymouth Road Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
6:00 AM	15	25	0	40	3	51	0	54	26	5	0	31	125
6:15 AM	13	48	0	61	6	62	1	68	38	1	0	39	168
6:30 AM	20	51	0	71	9	114	0	123	37	1	0	38	232
6:45 AM	9	61	0	70	13	111	0	124	68	2	0	70	264
Hourly Total	57	185	0	242	31	338	1	369	169	9	0	178	789
7:00 AM	9	88	0	97	14	105	0	119	54	4	4	58	274
7:15 AM	13	92	1	105	19	155	0	174	101	8	1	109	388
7:30 AM	19	84	4	103	27	183	3	210	140	11	5	151	464
7:45 AM	18	96	8	114	32	166	1	198	223	9	4	232	544
Hourly Total	59	360	13	419	92	609	4	701	518	32	14	550	1670
8:00 AM	13	90	4	103	54	169	2	223	193	12	6	205	531
8:15 AM	28	106	5	134	37	176	1	213	209	3	7	212	559
8:30 AM	24	96	5	120	27	205	4	232	197	3	6	200	552
8:45 AM	27	97	5	124	21	156	1	177	218	7	1	225	526
Hourly Total	92	389	19	481	139	706	8	845	817	25	20	842	2168
9:00 AM	25	62	7	87	17	158	3	175	174	9	3	183	445
9:15 AM	15	57	6	72	16	124	0	140	160	5	3	165	377
9:30 AM	8	53	5	61	28	148	1	176	127	2	4	129	366
9:45 AM	9	46	2	55	16	107	1	123	136	10	2	146	324
Hourly Total	57	218	20	275	77	537	5	614	597	26	12	623	1512
10:00 AM	9	37	3	46	25	118	4	143	128	8	6	136	325
10:15 AM	3	38	1	41	20	117	1	137	129	6	1	135	313
10:30 AM	9	13	1	22	35	132	0	167	138	8	2	146	335
10:45 AM	5	40	2	45	22	113	1	135	118	6	0	124	304
Hourly Total	26	128	7	154	102	480	6	582	513	28	9	541	1277
11:00 AM	5	24	3	29	23	91	3	114	117	3	3	120	263
11:15 AM	11	28	1	39	39	130	1	169	117	13	0	130	338
11:30 AM	10	32	2	42	34	139	2	173	149	6	0	155	370
11:45 AM	9	37	0	46	36	157	1	193	129	9	0	138	377
Hourly Total	35	121	6	156	132	517	7	649	512	31	3	543	1348
12:00 PM	15	47	0	62	32	143	1	175	155	5	3	160	397
12:15 PM	7	34	5	41	23	123	0	146	159	11	1	170	357
12:30 PM	9	30	0	39	48	146	1	194	164	6	0	170	403
12:45 PM	7	35	1	42	41	140	0	181	137	7	0	144	367
Hourly Total	38	146	6	184	144	552	2	696	615	29	4	644	1524
1:00 PM	10	42	0	52	47	94	1	141	136	16	0	152	345
1:15 PM	11	28	2	39	41	117	1	158	133	4	0	137	334
1:30 PM	8	35	2	43	33	110	4	143	114	9	1	123	309
1:45 PM	9	21	0	30	31	117	1	148	113	12	0	125	303
Hourly Total	38	126	4	164	152	438	7	590	496	41	1	537	1291
2:00 PM	10	33	0	43	38	143	2	181	113	7	0	120	344
2:15 PM	7	22	0	29	46	111	1	157	116	14	3	130	316
2:30 PM	11	35	3	46	56	138	2	194	135	13	0	148	388
2:45 PM	11	28	0	39	60	118	3	178	127	10	1	137	354
Hourly Total	39	118	3	157	200	510	8	710	491	44	4	535	1402
3:00 PM	7	34	0	41	73	141	4	214	172	26	3	198	453
3:15 PM	14	34	1	48	92	159	1	251	166	33	2	199	498
3:30 PM	8	59	0	67	86	180	5	266	182	21	7	203	536
3:45 PM	10	37	0	47	74	147	1	221	179	19	3	198	466
Hourly Total	39	164	1	203	325	627	11	952	699	99	15	798	1953
4:00 PM	13	28	1	41	101	181	2	282	182	17	2	199	522
4:15 PM	3	29	0	32	80	193	15	273	195	31	0	226	531
4:30 PM	11	25	0	36	112	181	0	293	203	23	3	226	555
4:45 PM	11	38	1	49	112	194	2	306	190	36	2	226	581
Hourly Total	38	120	2	158	405	749	19	1154	770	107	7	877	2189
5:00 PM	8	44	0	52	98	242	0	340	186	21	1	207	599
5:15 PM	13	43	2	56	77	242	7	319	198	28	5	226	601

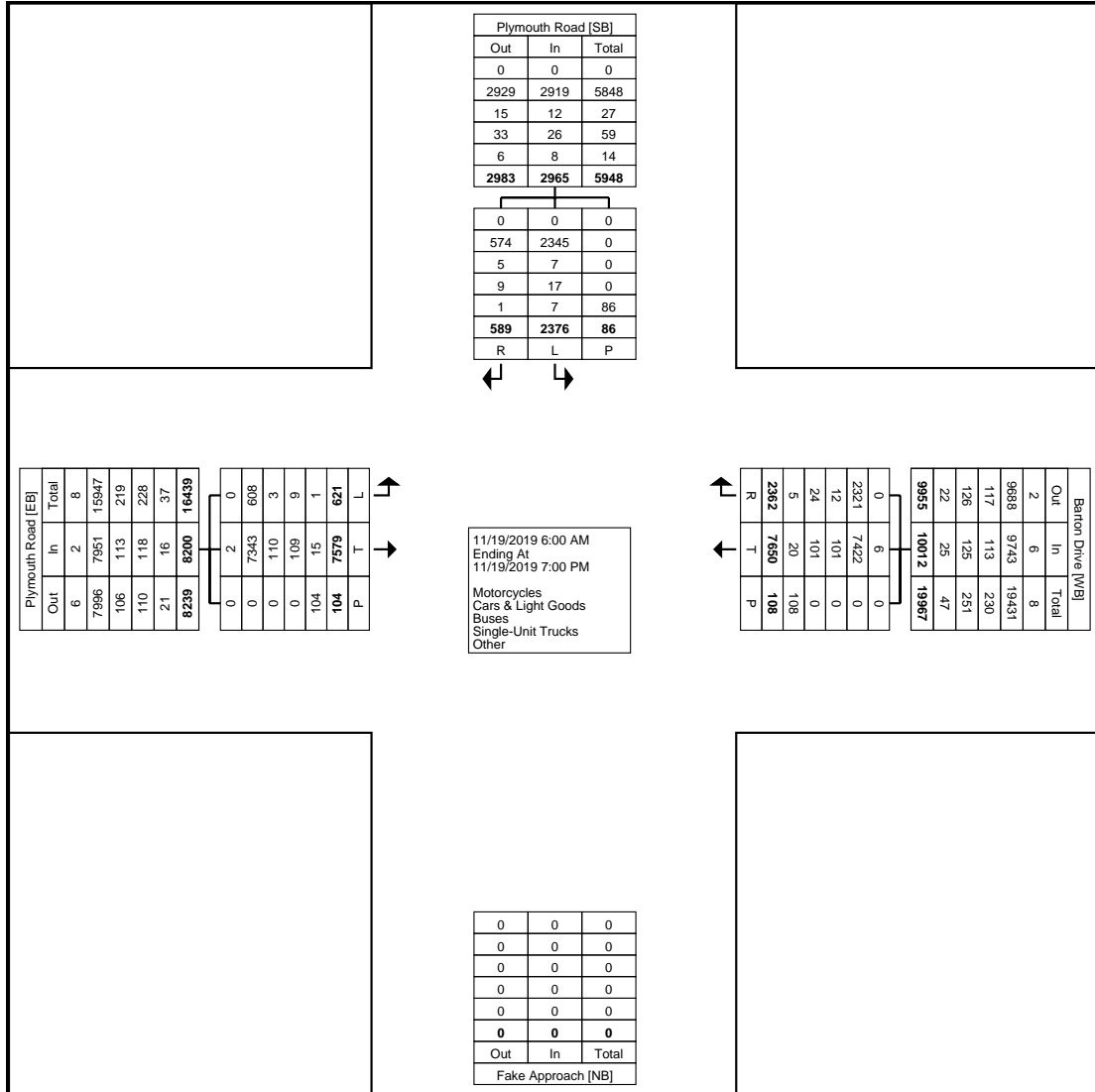
5:30 PM	7	39	0	46	83	233	6	316	223	37	2	260	622
5:45 PM	10	50	0	60	64	251	5	315	217	14	2	231	606
Hourly Total	38	176	2	214	322	968	18	1290	824	100	10	924	2428
6:00 PM	9	36	2	45	67	156	4	223	132	10	1	142	410
6:15 PM	9	30	1	39	69	168	2	237	179	19	3	198	474
6:30 PM	7	30	0	37	59	155	5	214	127	17	1	144	395
6:45 PM	8	29	0	37	46	140	1	186	120	4	0	124	347
Hourly Total	33	125	3	158	241	619	12	860	558	50	5	608	1626
Grand Total	589	2376	86	2965	2362	7650	108	10012	7579	621	104	8200	21177
Approach %	19.9	80.1	-	-	23.6	76.4	-	-	92.4	7.6	-	-	-
Total %	2.8	11.2	-	14.0	11.2	36.1	-	47.3	35.8	2.9	-	38.7	-
Motorcycles	0	0	-	0	0	6	-	6	2	0	-	2	8
% Motorcycles	0.0	0.0	-	0.0	0.0	0.1	-	0.1	0.0	0.0	-	0.0	0.0
Cars & Light Goods	574	2345	-	2919	2321	7422	-	9743	7343	608	-	7951	20613
% Cars & Light Goods	97.5	98.7	-	98.4	98.3	97.0	-	97.3	96.9	97.9	-	97.0	97.3
Buses	5	7	-	12	12	101	-	113	110	3	-	113	238
% Buses	0.8	0.3	-	0.4	0.5	1.3	-	1.1	1.5	0.5	-	1.4	1.1
Single-Unit Trucks	9	17	-	26	24	101	-	125	109	9	-	118	269
% Single-Unit Trucks	1.5	0.7	-	0.9	1.0	1.3	-	1.2	1.4	1.4	-	1.4	1.3
Articulated Trucks	1	2	-	3	4	17	-	21	14	1	-	15	39
% Articulated Trucks	0.2	0.1	-	0.1	0.2	0.2	-	0.2	0.2	0.2	-	0.2	0.2
Bicycles on Road	0	5	-	5	1	3	-	4	1	0	-	1	10
% Bicycles on Road	0.0	0.2	-	0.2	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Crosswalk	-	-	1	-	-	-	4	-	-	-	3	-	-
% Bicycles on Crosswalk	-	-	1.2	-	-	-	3.7	-	-	-	2.9	-	-
Pedestrians	-	-	85	-	-	-	104	-	-	-	101	-	-
% Pedestrians	-	-	98.8	-	-	-	96.3	-	-	-	97.1	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Plymouth Road
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU9HT
 SW

Count Name: TMC_12
 Plymouth & Barton_11-19-19
 Site Code: TMC_12
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Plymouth Road
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU9HT
 SW

Count Name: TMC_12
 Plymouth & Barton_11-19-19
 Site Code: TMC_12
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:45 AM)

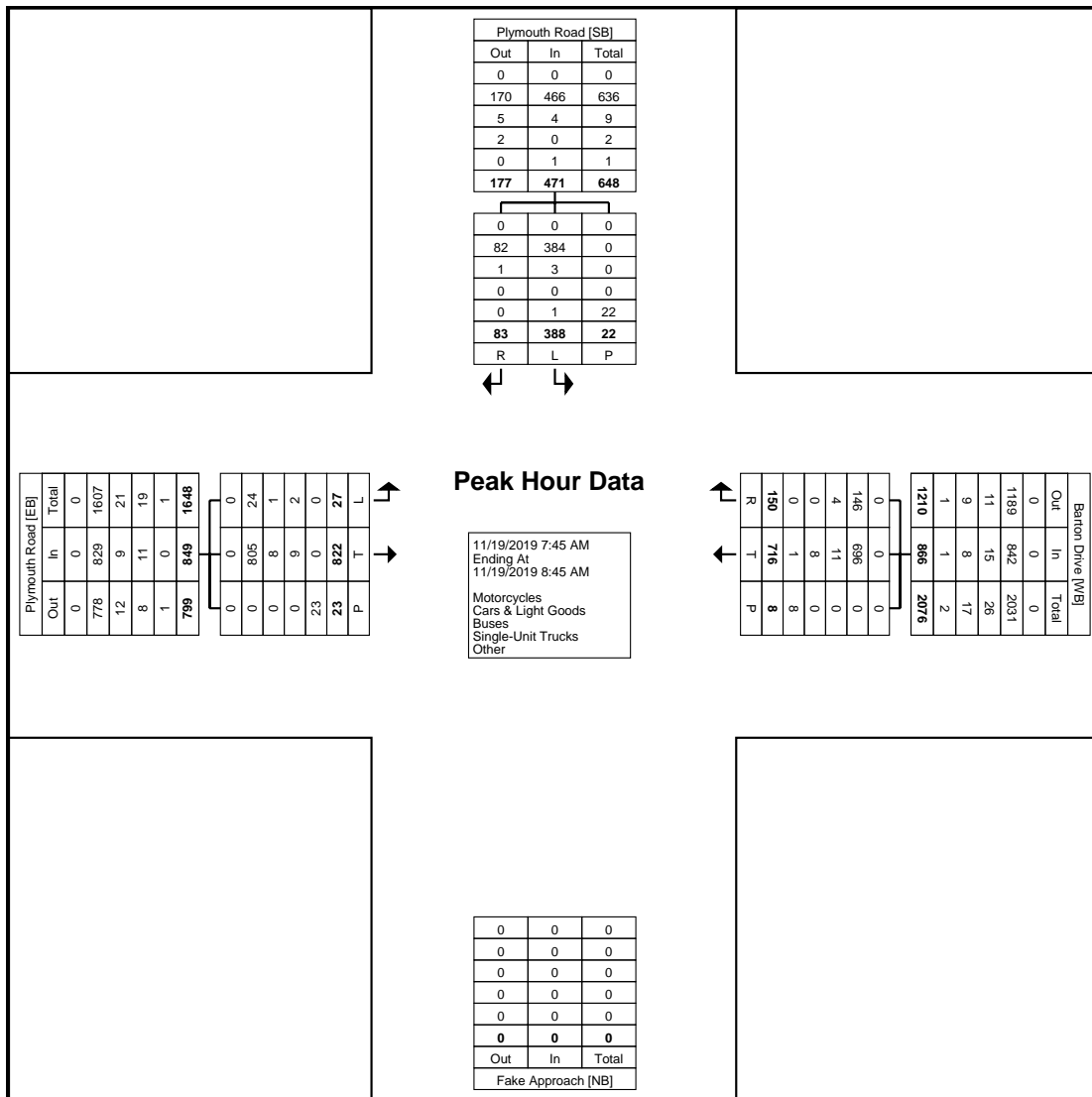
Start Time	Plymouth Road Southbound				Barton Drive Westbound				Plymouth Road Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
7:45 AM	18	96	8	114	32	166	1	198	223	9	4	232	544
8:00 AM	13	90	4	103	54	169	2	223	193	12	6	205	531
8:15 AM	28	106	5	134	37	176	1	213	209	3	7	212	559
8:30 AM	24	96	5	120	27	205	4	232	197	3	6	200	552
Total	83	388	22	471	150	716	8	866	822	27	23	849	2186
Approach %	17.6	82.4	-	-	17.3	82.7	-	-	96.8	3.2	-	-	-
Total %	3.8	17.7	-	21.5	6.9	32.8	-	39.6	37.6	1.2	-	38.8	-
PHF	0.741	0.915	-	0.879	0.694	0.873	-	0.933	0.922	0.563	-	0.915	0.978
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	82	384	-	466	146	696	-	842	805	24	-	829	2137
% Cars & Light Goods	98.8	99.0	-	98.9	97.3	97.2	-	97.2	97.9	88.9	-	97.6	97.8
Buses	1	3	-	4	4	11	-	15	8	1	-	9	28
% Buses	1.2	0.8	-	0.8	2.7	1.5	-	1.7	1.0	3.7	-	1.1	1.3
Single-Unit Trucks	0	0	-	0	0	8	-	8	9	2	-	11	19
% Single-Unit Trucks	0.0	0.0	-	0.0	0.0	1.1	-	0.9	1.1	7.4	-	1.3	0.9
Articulated Trucks	0	0	-	0	0	1	-	1	0	0	-	0	1
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.1	-	0.1	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	1	-	1	0	0	-	0	0	0	-	0	1
% Bicycles on Road	0.0	0.3	-	0.2	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	0.0	-	-
Pedestrians	-	-	22	-	-	-	8	-	-	-	23	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	100.0	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Plymouth Road
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU9HT
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_12
 Plymouth & Barton_11-19-19
 Site Code: TMC_12
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Plymouth Road
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU9HT
 SW

Count Name: TMC_12
 Plymouth & Barton_11-19-19
 Site Code: TMC_12
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:45 AM)

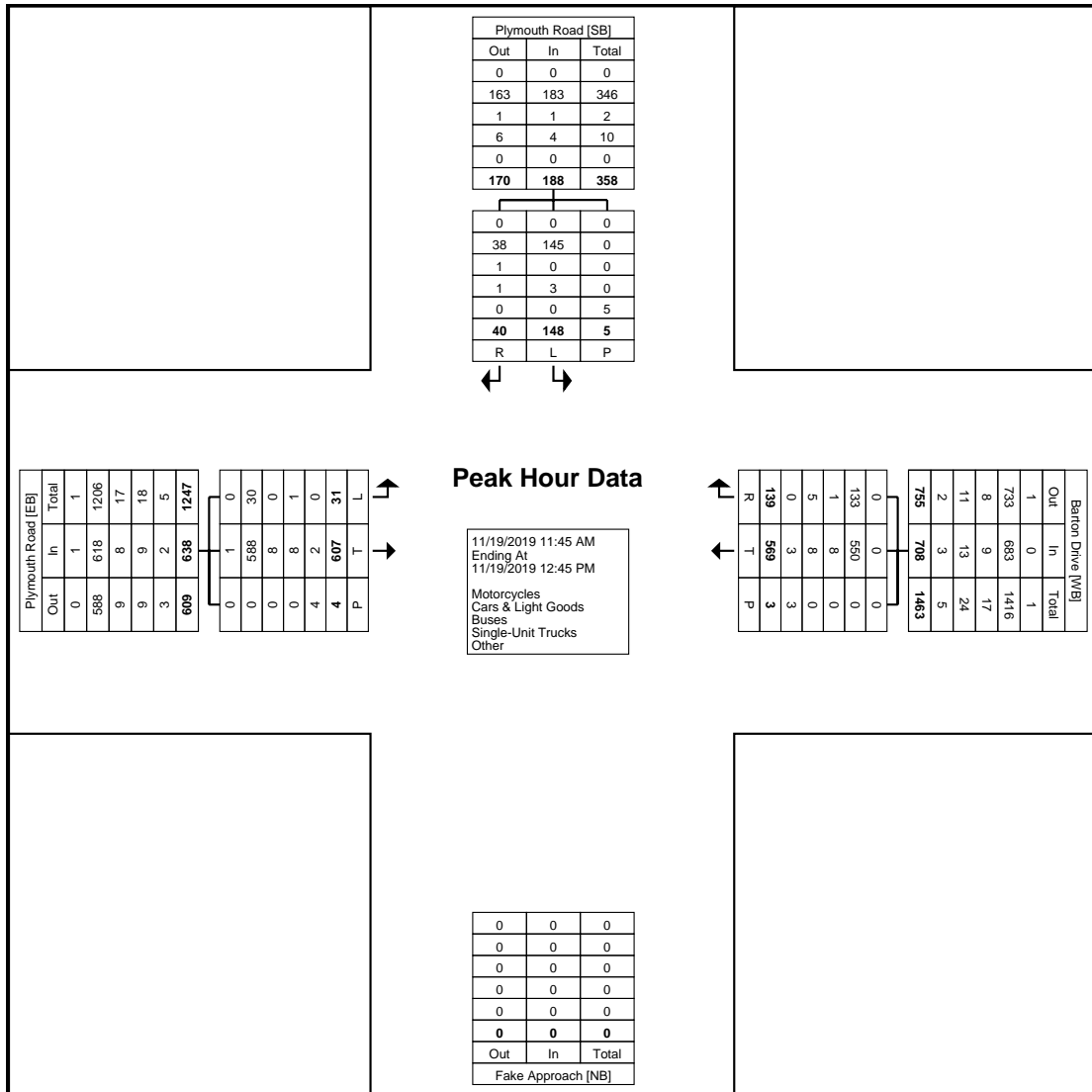
Start Time	Plymouth Road Southbound				Barton Drive Westbound				Plymouth Road Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
11:45 AM	9	37	0	46	36	157	1	193	129	9	0	138	377
12:00 PM	15	47	0	62	32	143	1	175	155	5	3	160	397
12:15 PM	7	34	5	41	23	123	0	146	159	11	1	170	357
12:30 PM	9	30	0	39	48	146	1	194	164	6	0	170	403
Total	40	148	5	188	139	569	3	708	607	31	4	638	1534
Approach %	21.3	78.7	-	-	19.6	80.4	-	-	95.1	4.9	-	-	-
Total %	2.6	9.6	-	12.3	9.1	37.1	-	46.2	39.6	2.0	-	41.6	-
PHF	0.667	0.787	-	0.758	0.724	0.906	-	0.912	0.925	0.705	-	0.938	0.952
Motorcycles	0	0	-	0	0	0	-	0	1	0	-	1	1
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.2	0.0	-	0.2	0.1
Cars & Light Goods	38	145	-	183	133	550	-	683	588	30	-	618	1484
% Cars & Light Goods	95.0	98.0	-	97.3	95.7	96.7	-	96.5	96.9	96.8	-	96.9	96.7
Buses	1	0	-	1	1	8	-	9	8	0	-	8	18
% Buses	2.5	0.0	-	0.5	0.7	1.4	-	1.3	1.3	0.0	-	1.3	1.2
Single-Unit Trucks	1	3	-	4	5	8	-	13	8	1	-	9	26
% Single-Unit Trucks	2.5	2.0	-	2.1	3.6	1.4	-	1.8	1.3	3.2	-	1.4	1.7
Articulated Trucks	0	0	-	0	0	1	-	1	2	0	-	2	3
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.2	-	0.1	0.3	0.0	-	0.3	0.2
Bicycles on Road	0	0	-	0	0	2	-	2	0	0	-	0	2
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.4	-	0.3	0.0	0.0	-	0.0	0.1
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	0.0	-	-
Pedestrians	-	-	5	-	-	-	3	-	-	-	4	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Plymouth Road
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU9HT
 SW

Count Name: TMC_12
 Plymouth & Barton_11-19-19
 Site Code: TMC_12
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Plymouth Road
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU9HT
 SW

Count Name: TMC_12
 Plymouth & Barton_11-19-19
 Site Code: TMC_12
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (5:00 PM)

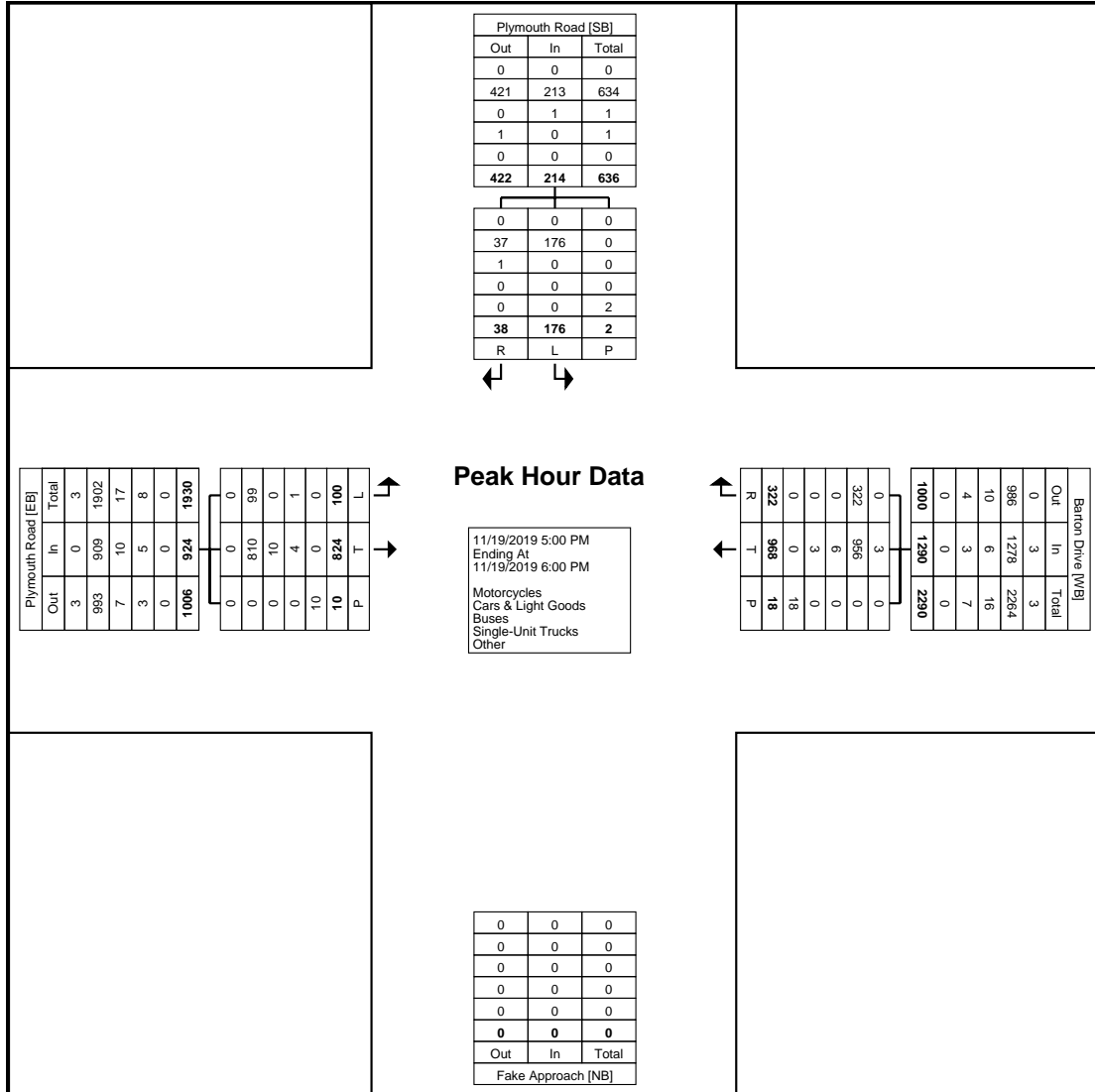
Start Time	Plymouth Road Southbound				Barton Drive Westbound				Plymouth Road Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
5:00 PM	8	44	0	52	98	242	0	340	186	21	1	207	599
5:15 PM	13	43	2	56	77	242	7	319	198	28	5	226	601
5:30 PM	7	39	0	46	83	233	6	316	223	37	2	260	622
5:45 PM	10	50	0	60	64	251	5	315	217	14	2	231	606
Total	38	176	2	214	322	968	18	1290	824	100	10	924	2428
Approach %	17.8	82.2	-	-	25.0	75.0	-	-	89.2	10.8	-	-	-
Total %	1.6	7.2	-	8.8	13.3	39.9	-	53.1	33.9	4.1	-	38.1	-
PHF	0.731	0.880	-	0.892	0.821	0.964	-	0.949	0.924	0.676	-	0.888	0.976
Motorcycles	0	0	-	0	0	3	-	3	0	0	-	0	3
% Motorcycles	0.0	0.0	-	0.0	0.0	0.3	-	0.2	0.0	0.0	-	0.0	0.1
Cars & Light Goods	37	176	-	213	322	956	-	1278	810	99	-	909	2400
% Cars & Light Goods	97.4	100.0	-	99.5	100.0	98.8	-	99.1	98.3	99.0	-	98.4	98.8
Buses	1	0	-	1	0	6	-	6	10	0	-	10	17
% Buses	2.6	0.0	-	0.5	0.0	0.6	-	0.5	1.2	0.0	-	1.1	0.7
Single-Unit Trucks	0	0	-	0	0	3	-	3	4	1	-	5	8
% Single-Unit Trucks	0.0	0.0	-	0.0	0.0	0.3	-	0.2	0.5	1.0	-	0.5	0.3
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Crosswalk	-	-	0	-	-	-	1	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	5.6	-	-	-	0.0	-	-
Pedestrians	-	-	2	-	-	-	17	-	-	-	10	-	-
% Pedestrians	-	-	100.0	-	-	-	94.4	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Plymouth Road
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU9HT
 SW

Count Name: TMC_12
 Plymouth & Barton_11-19-19
 Site Code: TMC_12
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (5:00 PM)



Project: Lower Town Area
Mobility Study
Corridor: Plymouth Road
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU9HT
SW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_12
Plymouth & Barton_11-19-
19
Site Code: TMC_12
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Signalized controlled "T" intersection, push button ped. signals for all legs. NTOR signed for WB approach. Note: R/R Xing located immediately north of intersection. VCU camera was located within SW intersection quadrant. Bus stop located within NW quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_12 Plymouth & Barton_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728526, Location: 42.296304, -83.730543, Site Code: TMC_12 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Plymouth Road Southbound					Barton Drive Westbound					Plymouth Road Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-19 6:00AM	15	25	0	40	0	3	51	0	54	0	26	5	0	31	0	125
6:15AM	13	48	0	61	0	6	62	0	68	1	38	1	0	39	0	168
6:30AM	20	51	0	71	0	9	114	0	123	0	37	1	0	38	0	232
6:45AM	9	61	0	70	0	13	111	0	124	0	68	2	0	70	0	264
Hourly Total	57	185	0	242	0	31	338	0	369	1	169	9	0	178	0	789
7:00AM	9	88	0	97	0	14	105	0	119	0	54	4	0	58	4	274
7:15AM	13	92	0	105	1	19	155	0	174	0	101	8	0	109	1	388
7:30AM	19	84	0	103	4	27	183	0	210	3	140	11	0	151	5	464
7:45AM	18	96	0	114	8	32	166	0	198	1	223	9	0	232	4	544
Hourly Total	59	360	0	419	13	92	609	0	701	4	518	32	0	550	14	1670
8:00AM	13	90	0	103	4	54	169	0	223	2	193	12	0	205	6	531
8:15AM	28	106	0	134	5	37	176	0	213	1	209	3	0	212	7	559
8:30AM	24	96	0	120	5	27	205	0	232	4	197	3	0	200	6	552
8:45AM	27	97	0	124	5	21	156	0	177	1	218	7	0	225	1	526
Hourly Total	92	389	0	481	19	139	706	0	845	8	817	25	0	842	20	2168
9:00AM	25	62	0	87	7	17	158	0	175	3	174	9	0	183	3	445
9:15AM	15	57	0	72	6	16	124	0	140	0	160	5	0	165	3	377
9:30AM	8	53	0	61	5	28	148	0	176	1	127	2	0	129	4	366
9:45AM	9	46	0	55	2	16	107	0	123	1	136	10	0	146	2	324
Hourly Total	57	218	0	275	20	77	537	0	614	5	597	26	0	623	12	1512
10:00AM	9	37	0	46	3	25	118	0	143	4	128	8	0	136	6	325
10:15AM	3	38	0	41	1	20	117	0	137	1	129	6	0	135	1	313
10:30AM	9	13	0	22	1	35	132	0	167	0	138	8	0	146	2	335
10:45AM	5	40	0	45	2	22	113	0	135	1	118	6	0	124	0	304
Hourly Total	26	128	0	154	7	102	480	0	582	6	513	28	0	541	9	1277
11:00AM	5	24	0	29	3	23	91	0	114	3	117	3	0	120	3	263
11:15AM	11	28	0	39	1	39	130	0	169	1	117	13	0	130	0	338
11:30AM	10	32	0	42	2	34	139	0	173	2	149	6	0	155	0	370
11:45AM	9	37	0	46	0	36	157	0	193	1	129	9	0	138	0	377
Hourly Total	35	121	0	156	6	132	517	0	649	7	512	31	0	543	3	1348
12:00PM	15	47	0	62	0	32	143	0	175	1	155	5	0	160	3	397
12:15PM	7	34	0	41	5	23	123	0	146	0	159	11	0	170	1	357
12:30PM	9	30	0	39	0	48	146	0	194	1	164	6	0	170	0	403
12:45PM	7	35	0	42	1	41	140	0	181	0	137	7	0	144	0	367
Hourly Total	38	146	0	184	6	144	552	0	696	2	615	29	0	644	4	1524
1:00PM	10	42	0	52	0	47	94	0	141	1	136	16	0	152	0	345
1:15PM	11	28	0	39	2	41	117	0	158	1	133	4	0	137	0	334
1:30PM	8	35	0	43	2	33	110	0	143	4	114	9	0	123	1	309
1:45PM	9	21	0	30	0	31	117	0	148	1	113	12	0	125	0	303
Hourly Total	38	126	0	164	4	152	438	0	590	7	496	41	0	537	1	1291
2:00PM	10	33	0	43	0	38	143	0	181	2	113	7	0	120	0	344
2:15PM	7	22	0	29	0	46	111	0	157	1	116	14	0	130	3	316
2:30PM	11	35	0	46	3	56	138	0	194	2	135	13	0	148	0	388
2:45PM	11	28	0	39	0	60	118	0	178	3	127	10	0	137	1	354
Hourly Total	39	118	0	157	3	200	510	0	710	8	491	44	0	535	4	1402
3:00PM	7	34	0	41	0	73	141	0	214	4	172	26	0	198	3	453
3:15PM	14	34	0	48	1	92	159	0	251	1	166	33	0	199	2	498
3:30PM	8	59	0	67	0	86	180	0	266	5	182	21	0	203	7	536
3:45PM	10	37	0	47	0	74	147	0	221	1	179	19	0	198	3	466
Hourly Total	39	164	0	203	1	325	627	0	952	11	699	99	0	798	15	1953
4:00PM	13	28	0	41	1	101	181	0	282	2	182	17	0	199	2	522
4:15PM	3	29	0	32	0	80	193	0	273	15	195	31	0	226	0	531

Leg Direction	Plymouth Road Southbound					Barton Drive Westbound					Plymouth Road Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
4:30PM	11	25	0	36	0	112	181	0	293	0	203	23	0	226	3	555
4:45PM	11	38	0	49	1	112	194	0	306	2	190	36	0	226	2	581
Hourly Total	38	120	0	158	2	405	749	0	1154	19	770	107	0	877	7	2189
5:00PM	8	44	0	52	0	98	242	0	340	0	186	21	0	207	1	599
5:15PM	13	43	0	56	2	77	242	0	319	7	198	28	0	226	5	601
5:30PM	7	39	0	46	0	83	233	0	316	6	223	37	0	260	2	622
5:45PM	10	50	0	60	0	64	251	0	315	5	217	14	0	231	2	606
Hourly Total	38	176	0	214	2	322	968	0	1290	18	824	100	0	924	10	2428
6:00PM	9	36	0	45	2	67	156	0	223	4	132	10	0	142	1	410
6:15PM	9	30	0	39	1	69	168	0	237	2	179	19	0	198	3	474
6:30PM	7	30	0	37	0	59	155	0	214	5	127	17	0	144	1	395
6:45PM	8	29	0	37	0	46	140	0	186	1	120	4	0	124	0	347
Hourly Total	33	125	0	158	3	241	619	0	860	12	558	50	0	608	5	1626
Total	589	2376	0	2965	86	2362	7650	0	10012	108	7579	621	0	8200	104	21177
% Approach	19.9%	80.1%	0%	-	-	23.6%	76.4%	0%	-	-	92.4%	7.6%	0%	-	-	-
% Total	2.8%	11.2%	0%	14.0%	-	11.2%	36.1%	0%	47.3%	-	35.8%	2.9%	0%	38.7%	-	-
Motorcycles	0	0	0	0	-	0	6	0	6	-	2	0	0	2	-	8
% Motorcycles	0%	0%	0%	0%	-	0%	0.1%	0%	0.1%	-	0%	0%	0%	0%	-	0%
Lights	574	2345	0	2919	-	2321	7422	0	9743	-	7343	608	0	7951	-	20613
% Lights	97.5%	98.7%	0%	98.4%	-	98.3%	97.0%	0%	97.3%	-	96.9%	97.9%	0%	97.0%	-	97.3%
Single-Unit Trucks	9	17	0	26	-	24	101	0	125	-	109	9	0	118	-	269
% Single-Unit Trucks	1.5%	0.7%	0%	0.9%	-	1.0%	1.3%	0%	1.2%	-	1.4%	1.4%	0%	1.4%	-	1.3%
Articulated Trucks	1	2	0	3	-	4	17	0	21	-	14	1	0	15	-	39
% Articulated Trucks	0.2%	0.1%	0%	0.1%	-	0.2%	0.2%	0%	0.2%	-	0.2%	0.2%	0%	0.2%	-	0.2%
Buses	5	7	0	12	-	12	101	0	113	-	110	3	0	113	-	238
% Buses	0.8%	0.3%	0%	0.4%	-	0.5%	1.3%	0%	1.1%	-	1.5%	0.5%	0%	1.4%	-	1.1%
Bicycles on Road	0	5	0	5	-	1	3	0	4	-	1	0	0	1	-	10
% Bicycles on Road	0%	0.2%	0%	0.2%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	85	-	-	-	-	104	-	-	-	-	101	-
% Pedestrians	-	-	-	-	98.8%	-	-	-	-	96.3%	-	-	-	-	97.1%	-
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	4	-	-	-	-	3	-
% Bicycles on Crosswalk	-	-	-	-	1.2%	-	-	-	-	3.7%	-	-	-	-	2.9%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_12 Plymouth & Barton_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728526, Location: 42.296304, -83.730543, Site Code: TMC_12 Traffic Data Collection, LLC

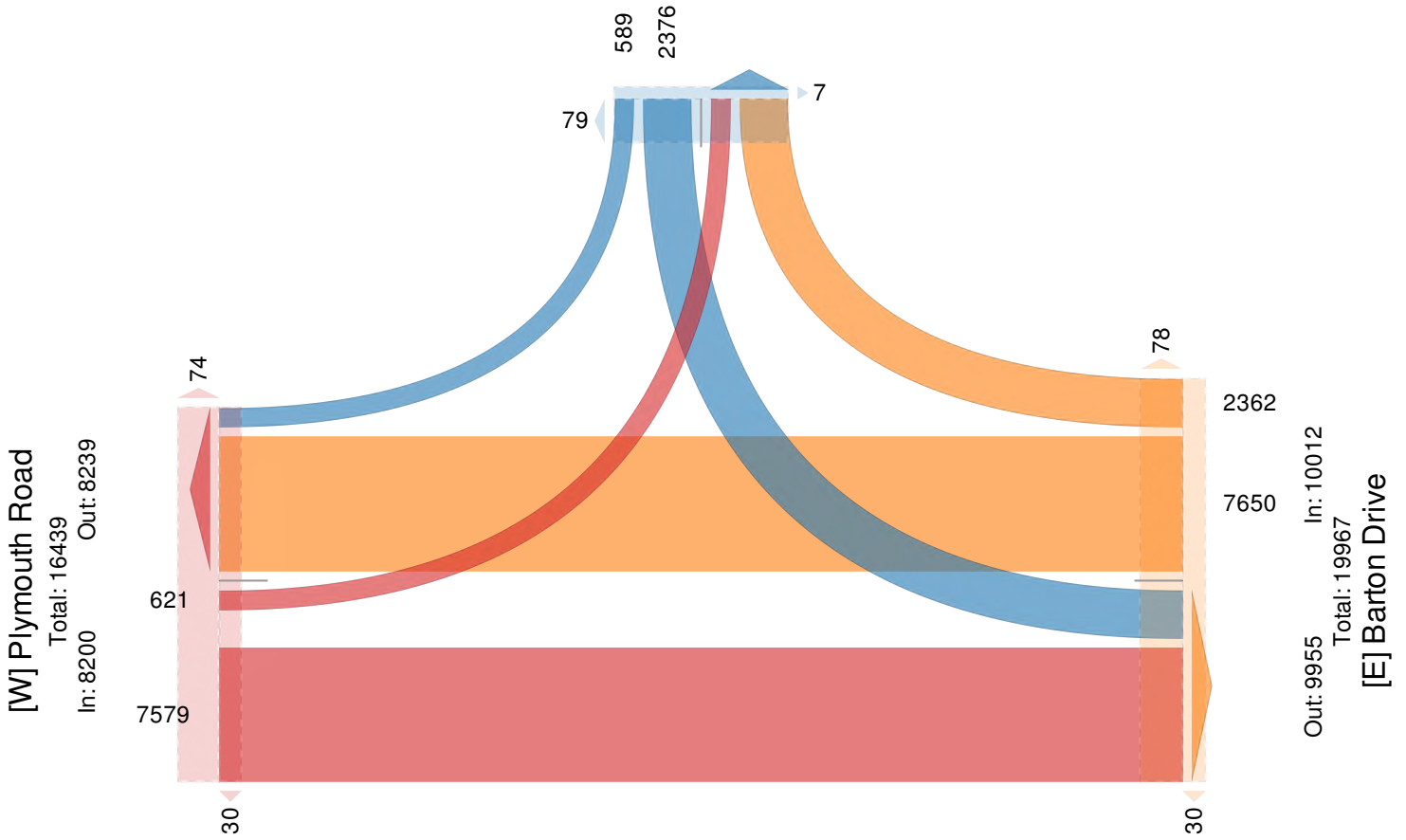


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Plymouth Road

Total: 5948

In: 2965 Out: 2983



TMC_12 Plymouth & Barton_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728526, Location: 42.296304, -83.730543, Site Code: TMC_12 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Plymouth Road Southbound					Barton Drive Westbound					Plymouth Road Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-19 7:45AM	18	96	0	114	8	32	166	0	198	1	223	9	0	232	4	544
8:00AM	13	90	0	103	4	54	169	0	223	2	193	12	0	205	6	531
8:15AM	28	106	0	134	5	37	176	0	213	1	209	3	0	212	7	559
8:30AM	24	96	0	120	5	27	205	0	232	4	197	3	0	200	6	552
Total	83	388	0	471	22	150	716	0	866	8	822	27	0	849	23	2186
% Approach	17.6%	82.4%	0%	-	-	17.3%	82.7%	0%	-	-	96.8%	3.2%	0%	-	-	-
% Total	3.8%	17.7%	0%	21.5%	-	6.9%	32.8%	0%	39.6%	-	37.6%	1.2%	0%	38.8%	-	-
PHF	0.741	0.913	-	0.877	-	0.694	0.873	-	0.933	-	0.922	0.563	-	0.915	-	0.977
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	82	384	0	466	-	146	696	0	842	-	805	24	0	829	-	2137
% Lights	98.8%	99.0%	0%	98.9%	-	97.3%	97.2%	0%	97.2%	-	97.9%	88.9%	0%	97.6%	-	97.8%
Single-Unit Trucks	0	0	0	0	-	0	8	0	8	-	9	2	0	11	-	19
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	1.1%	0%	0.9%	-	1.1%	7.4%	0%	1.3%	-	0.9%
Articulated Trucks	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0%	0.1%	0%	0.1%	-	0%	0%	0%	0%	-	0%
Buses	1	3	0	4	-	4	11	0	15	-	8	1	0	9	-	28
% Buses	1.2%	0.8%	0%	0.8%	-	2.7%	1.5%	0%	1.7%	-	1.0%	3.7%	0%	1.1%	-	1.3%
Bicycles on Road	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Bicycles on Road	0%	0.3%	0%	0.2%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	22	-	-	-	-	8	-	-	-	-	23	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_12 Plymouth & Barton_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728526, Location: 42.296304, -83.730543, Site Code: TMC_12 Traffic Data Collection, LLC

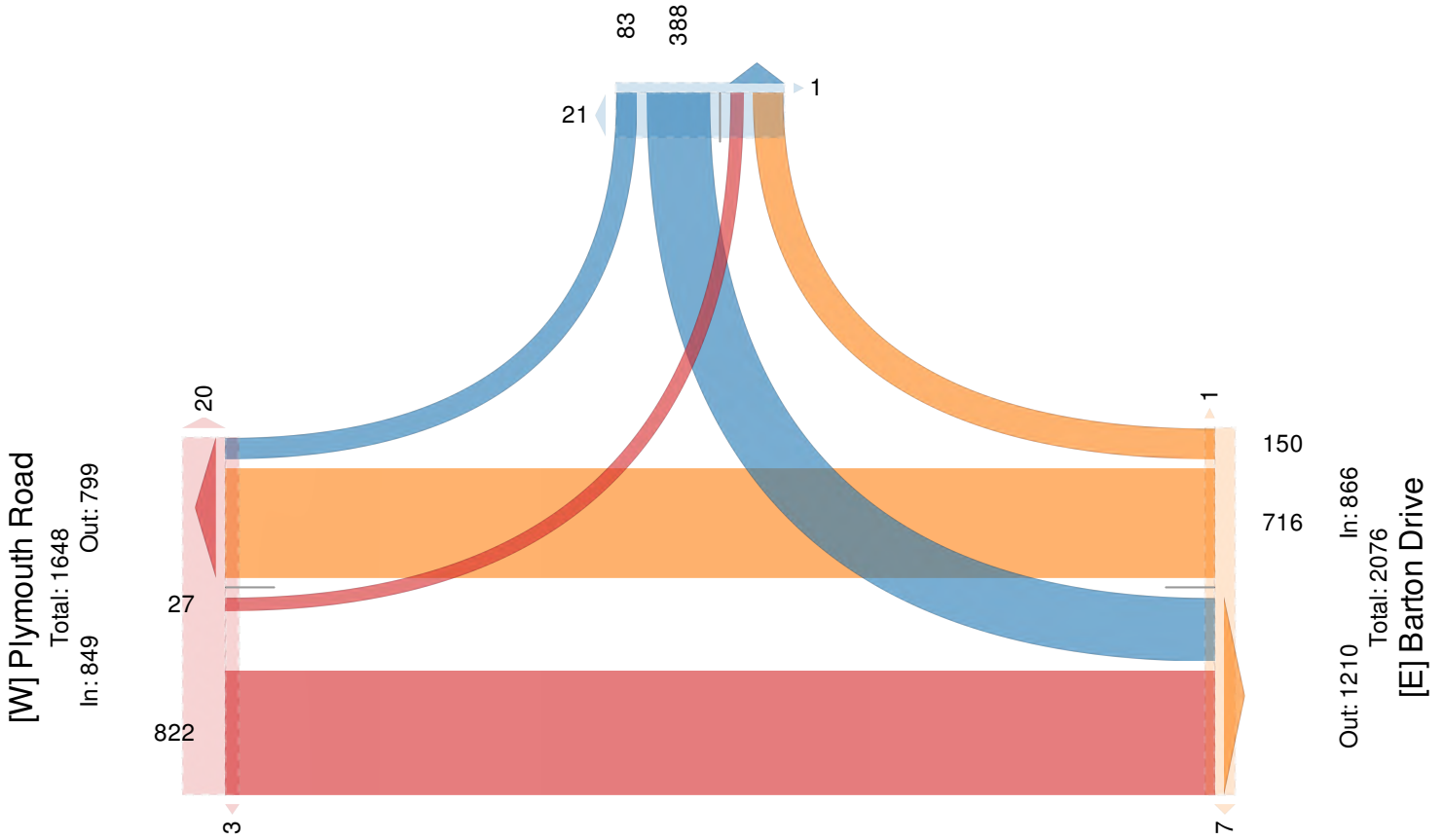


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Plymouth Road

Total: 648

In: 471 Out: 177



TMC_12 Plymouth & Barton_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728526, Location: 42.296304, -83.730543, Site Code: TMC_12 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Plymouth Road Southbound					Barton Drive Westbound					Plymouth Road Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-19 11:45AM	9	37	0	46	0	36	157	0	193	1	129	9	0	138	0	377
12:00PM	15	47	0	62	0	32	143	0	175	1	155	5	0	160	3	397
12:15PM	7	34	0	41	5	23	123	0	146	0	159	11	0	170	1	357
12:30PM	9	30	0	39	0	48	146	0	194	1	164	6	0	170	0	403
Total	40	148	0	188	5	139	569	0	708	3	607	31	0	638	4	1534
% Approach	21.3%	78.7%	0%	-	-	19.6%	80.4%	0%	-	-	95.1%	4.9%	0%	-	-	-
% Total	2.6%	9.6%	0%	12.3%	-	9.1%	37.1%	0%	46.2%	-	39.6%	2.0%	0%	41.6%	-	-
PHF	0.667	0.787	-	0.758	-	0.724	0.909	-	0.910	-	0.925	0.705	-	0.938	-	0.950
Motorcycles	0	0	0	0	-	0	0	0	0	-	1	0	0	1	-	1
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.2%	0%	0%	0.2%	-	0.1%
Lights	38	145	0	183	-	133	550	0	683	-	588	30	0	618	-	1484
% Lights	95.0%	98.0%	0%	97.3%	-	95.7%	96.7%	0%	96.5%	-	96.9%	96.8%	0%	96.9%	-	96.7%
Single-Unit Trucks	1	3	0	4	-	5	8	0	13	-	8	1	0	9	-	26
% Single-Unit Trucks	2.5%	2.0%	0%	2.1%	-	3.6%	1.4%	0%	1.8%	-	1.3%	3.2%	0%	1.4%	-	1.7%
Articulated Trucks	0	0	0	0	-	0	1	0	1	-	2	0	0	2	-	3
% Articulated Trucks	0%	0%	0%	0%	-	0%	0.2%	0%	0.1%	-	0.3%	0%	0%	0.3%	-	0.2%
Buses	1	0	0	1	-	1	8	0	9	-	8	0	0	8	-	18
% Buses	2.5%	0%	0%	0.5%	-	0.7%	1.4%	0%	1.3%	-	1.3%	0%	0%	1.3%	-	1.2%
Bicycles on Road	0	0	0	0	-	0	2	0	2	-	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	-	0%	0.4%	0%	0.3%	-	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	5	-	-	-	-	3	-	-	-	-	4	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_12 Plymouth & Barton_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728526, Location: 42.296304, -83.730543, Site Code: TMC_12 Traffic Data Collection, LLC

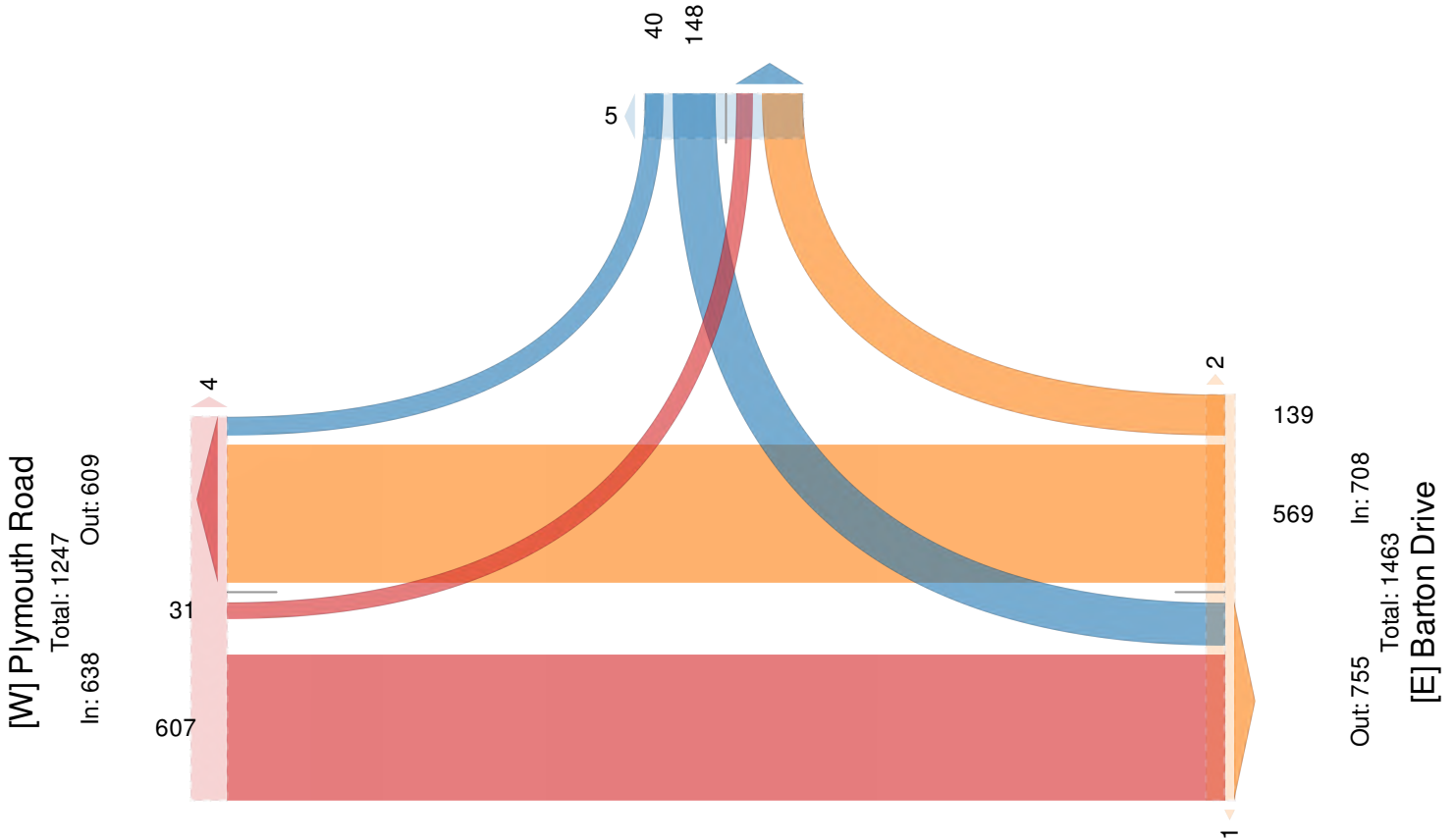


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Plymouth Road

Total: 358

In: 188 Out: 170



TMC_12 Plymouth & Barton_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728526, Location: 42.296304, -83.730543, Site Code: TMC_12 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Plymouth Road Southbound					Barton Drive Westbound					Plymouth Road Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-19 5:00PM	8	44	0	52	0	98	242	0	340	0	186	21	0	207	1	599
5:15PM	13	43	0	56	2	77	242	0	319	7	198	28	0	226	5	601
5:30PM	7	39	0	46	0	83	233	0	316	6	223	37	0	260	2	622
5:45PM	10	50	0	60	0	64	251	0	315	5	217	14	0	231	2	606
Total	38	176	0	214	2	322	968	0	1290	18	824	100	0	924	10	2428
% Approach	17.8%	82.2%	0%	-	-	25.0%	75.0%	0%	-	-	89.2%	10.8%	0%	-	-	-
% Total	1.6%	7.2%	0%	8.8%	-	13.3%	39.9%	0%	53.1%	-	33.9%	4.1%	0%	38.1%	-	-
PHF	0.731	0.880	-	0.892	-	0.821	0.964	-	0.949	-	0.924	0.676	-	0.888	-	0.976
Motorcycles	0	0	0	0	-	0	3	0	3	-	0	0	0	0	-	3
% Motorcycles	0%	0%	0%	0%	-	0%	0.3%	0%	0.2%	-	0%	0%	0%	0%	-	0.1%
Lights	37	176	0	213	-	322	956	0	1278	-	810	99	0	909	-	2400
% Lights	97.4%	100%	0%	99.5%	-	100%	98.8%	0%	99.1%	-	98.3%	99.0%	0%	98.4%	-	98.8%
Single-Unit Trucks	0	0	0	0	-	0	3	0	3	-	4	1	0	5	-	8
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0.3%	0%	0.2%	-	0.5%	1.0%	0%	0.5%	-	0.3%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	1	0	0	1	-	0	6	0	6	-	10	0	0	10	-	17
% Buses	2.6%	0%	0%	0.5%	-	0%	0.6%	0%	0.5%	-	1.2%	0%	0%	1.1%	-	0.7%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	2	-	-	-	-	17	-	-	-	-	10	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	94.4%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	5.6%	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_12 Plymouth & Barton_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728526, Location: 42.296304, -83.730543, Site Code: TMC_12 Traffic Data Collection, LLC

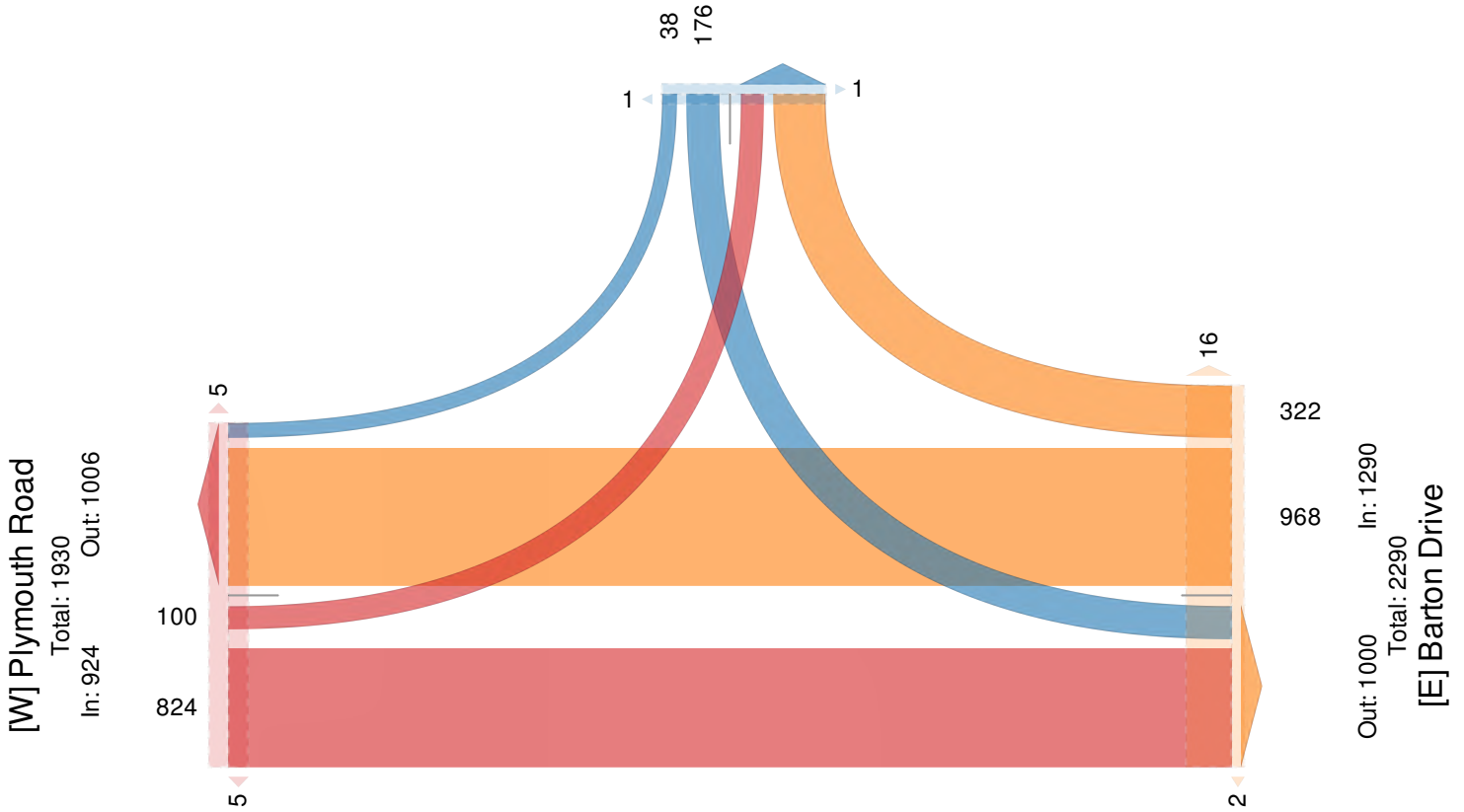


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Plymouth Road

Total: 636

In: 214 Out: 422





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4PU
 SW

Count Name: TMC_13
 Plymouth & Broadway_11-19-19
 Site Code: TMC_13
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Plymouth Road Westbound				Broadway Street Northbound				Plymouth Road Eastbound				Int. Total	
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Left	Peds		App. Total
6:00 AM	56	6	0	62	0	0	0	0	1	26	0	0	27	89
6:15 AM	65	9	0	74	0	0	0	0	7	45	0	0	52	126
6:30 AM	111	17	0	128	1	2	1	3	6	38	0	0	44	175
6:45 AM	101	17	1	118	0	0	0	0	10	69	0	0	79	197
Hourly Total	333	49	1	382	1	2	1	3	24	178	0	0	202	587
7:00 AM	104	11	0	115	0	1	1	1	2	60	0	0	62	178
7:15 AM	144	8	0	152	1	1	0	2	4	102	0	0	106	260
7:30 AM	195	2	2	197	0	1	3	1	3	146	0	0	149	347
7:45 AM	209	2	2	211	1	1	0	2	5	243	0	0	248	461
Hourly Total	652	23	4	675	2	4	4	6	14	551	0	0	565	1246
8:00 AM	187	2	0	189	3	1	3	4	3	202	0	0	205	398
8:15 AM	197	0	1	197	0	1	1	1	2	220	0	0	222	420
8:30 AM	206	1	0	207	0	1	0	1	1	215	0	0	216	424
8:45 AM	214	3	0	217	3	4	3	7	5	214	0	0	219	443
Hourly Total	804	6	1	810	6	7	7	13	11	851	0	0	862	1685
9:00 AM	174	5	0	179	3	3	0	6	7	181	0	0	188	373
9:15 AM	136	2	1	138	4	3	2	7	8	154	0	0	162	307
9:30 AM	146	1	0	147	5	2	5	7	7	128	0	0	135	289
9:45 AM	139	1	0	140	1	2	1	3	1	135	0	0	136	279
Hourly Total	595	9	1	604	13	10	8	23	23	598	0	0	621	1248
10:00 AM	125	4	0	129	2	1	2	3	3	128	0	0	131	263
10:15 AM	114	3	1	117	2	0	1	2	3	142	0	0	145	264
10:30 AM	125	4	1	129	3	5	0	8	4	136	0	0	140	277
10:45 AM	130	3	0	133	3	4	0	7	5	116	0	0	121	261
Hourly Total	494	14	2	508	10	10	3	20	15	522	0	0	537	1065
11:00 AM	107	2	1	109	8	3	0	11	5	112	0	0	117	237
11:15 AM	129	6	0	135	6	4	1	10	8	137	0	0	145	290
11:30 AM	134	5	1	139	5	4	2	9	2	130	0	0	132	280
11:45 AM	155	6	0	161	3	4	2	7	7	135	0	0	142	310
Hourly Total	525	19	2	544	22	15	5	37	22	514	0	0	536	1117
12:00 PM	158	7	1	165	7	5	0	12	7	160	0	0	167	344
12:15 PM	134	3	0	137	7	7	2	14	11	165	0	0	176	327
12:30 PM	144	2	0	146	6	6	1	12	6	166	0	0	172	330
12:45 PM	142	3	0	145	2	2	0	4	5	143	0	0	148	297
Hourly Total	578	15	1	593	22	20	3	42	29	634	0	0	663	1298
1:00 PM	116	3	1	119	7	3	0	10	6	150	0	0	156	285
1:15 PM	129	0	0	129	2	7	1	9	4	128	0	0	132	270
1:30 PM	117	1	0	118	2	3	2	5	2	132	0	0	134	257
1:45 PM	128	6	0	134	3	3	0	6	2	123	0	0	125	265
Hourly Total	490	10	1	500	14	16	3	30	14	533	0	0	547	1077
2:00 PM	133	5	0	138	11	4	4	15	6	100	0	0	106	259
2:15 PM	131	4	0	135	6	2	0	8	2	124	1	0	127	270
2:30 PM	142	0	0	142	4	2	0	6	3	151	1	0	155	303
2:45 PM	145	1	1	146	4	6	0	10	2	132	0	0	134	290
Hourly Total	551	10	1	561	25	14	4	39	13	507	2	0	522	1122
3:00 PM	120	2	0	122	22	13	2	35	3	167	0	0	170	327
3:15 PM	182	3	0	185	35	12	0	47	7	170	0	0	177	409
3:30 PM	153	3	0	156	6	6	1	12	7	184	0	0	191	359
3:45 PM	174	3	0	177	3	6	2	9	4	204	0	0	208	394
Hourly Total	629	11	0	640	66	37	5	103	21	725	0	0	746	1489
4:00 PM	188	4	1	192	4	2	1	6	1	193	0	0	194	392
4:15 PM	188	2	0	190	13	7	3	20	6	216	0	0	222	432
4:30 PM	204	3	0	207	4	2	2	6	6	221	0	0	227	440
4:45 PM	193	3	2	196	5	10	1	15	3	211	0	0	214	425
Hourly Total	773	12	3	785	26	21	7	47	16	841	0	0	857	1689
5:00 PM	264	6	0	270	5	3	1	8	8	208	0	0	216	494
5:15 PM	257	2	0	259	10	7	2	17	4	241	0	0	245	521

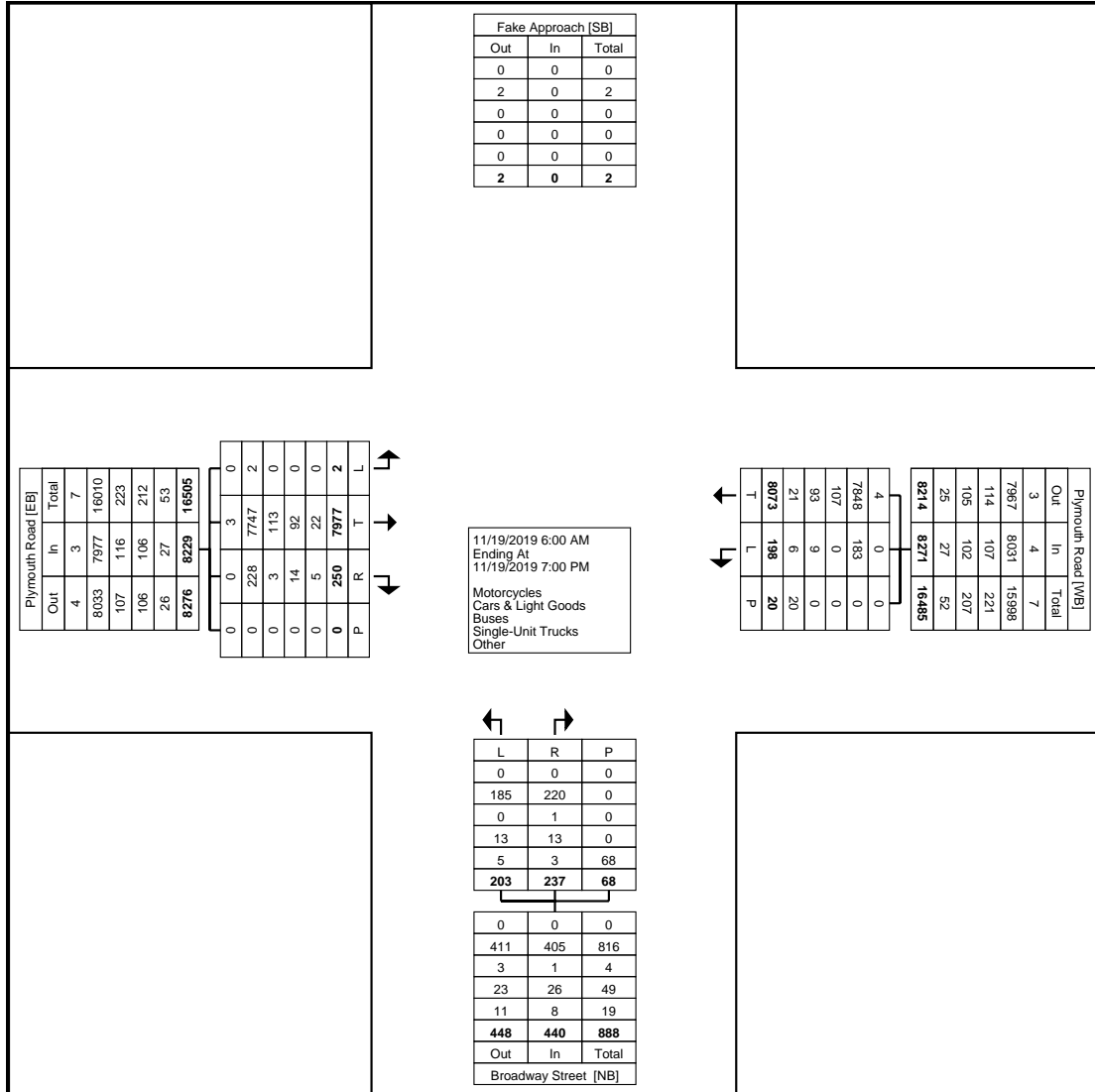
5:30 PM	223	2	0	225	2	9	4	11	7	256	0	0	263	499
5:45 PM	258	4	1	262	6	3	0	9	3	229	0	0	232	503
Hourly Total	1002	14	1	1016	23	22	7	45	22	934	0	0	956	2017
6:00 PM	184	2	1	186	2	3	1	5	8	146	0	0	154	345
6:15 PM	166	1	1	167	2	11	2	13	5	181	0	0	186	366
6:30 PM	153	2	0	155	0	5	4	5	8	143	0	0	151	311
6:45 PM	144	1	0	145	3	6	4	9	5	119	0	0	124	278
Hourly Total	647	6	2	653	7	25	11	32	26	589	0	0	615	1300
Grand Total	8073	198	20	8271	237	203	68	440	250	7977	2	0	8229	16940
Approach %	97.6	2.4	-	-	53.9	46.1	-	-	3.0	96.9	0.0	-	-	-
Total %	47.7	1.2	-	48.8	1.4	1.2	-	2.6	1.5	47.1	0.0	-	48.6	-
Motorcycles	4	0	-	4	0	0	-	0	0	3	0	-	3	7
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	7848	183	-	8031	220	185	-	405	228	7747	2	-	7977	16413
% Cars & Light Goods	97.2	92.4	-	97.1	92.8	91.1	-	92.0	91.2	97.1	100.0	-	96.9	96.9
Buses	107	0	-	107	1	0	-	1	3	113	0	-	116	224
% Buses	1.3	0.0	-	1.3	0.4	0.0	-	0.2	1.2	1.4	0.0	-	1.4	1.3
Single-Unit Trucks	93	9	-	102	13	13	-	26	14	92	0	-	106	234
% Single-Unit Trucks	1.2	4.5	-	1.2	5.5	6.4	-	5.9	5.6	1.2	0.0	-	1.3	1.4
Articulated Trucks	17	5	-	22	3	2	-	5	2	19	0	-	21	48
% Articulated Trucks	0.2	2.5	-	0.3	1.3	1.0	-	1.1	0.8	0.2	0.0	-	0.3	0.3
Bicycles on Road	4	1	-	5	0	3	-	3	3	3	0	-	6	14
% Bicycles on Road	0.0	0.5	-	0.1	0.0	1.5	-	0.7	1.2	0.0	0.0	-	0.1	0.1
Bicycles on Crosswalk	-	-	1	-	-	-	15	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	5.0	-	-	-	22.1	-	-	-	-	-	-	-
Pedestrians	-	-	19	-	-	-	53	-	-	-	-	0	-	-
% Pedestrians	-	-	95.0	-	-	-	77.9	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4PU
 SW

Count Name: TMC_13
 Plymouth & Broadway_11-19-19
 Site Code: TMC_13
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4PU
 SW

Count Name: TMC_13
 Plymouth & Broadway_11-19-19
 Site Code: TMC_13
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:45 AM)

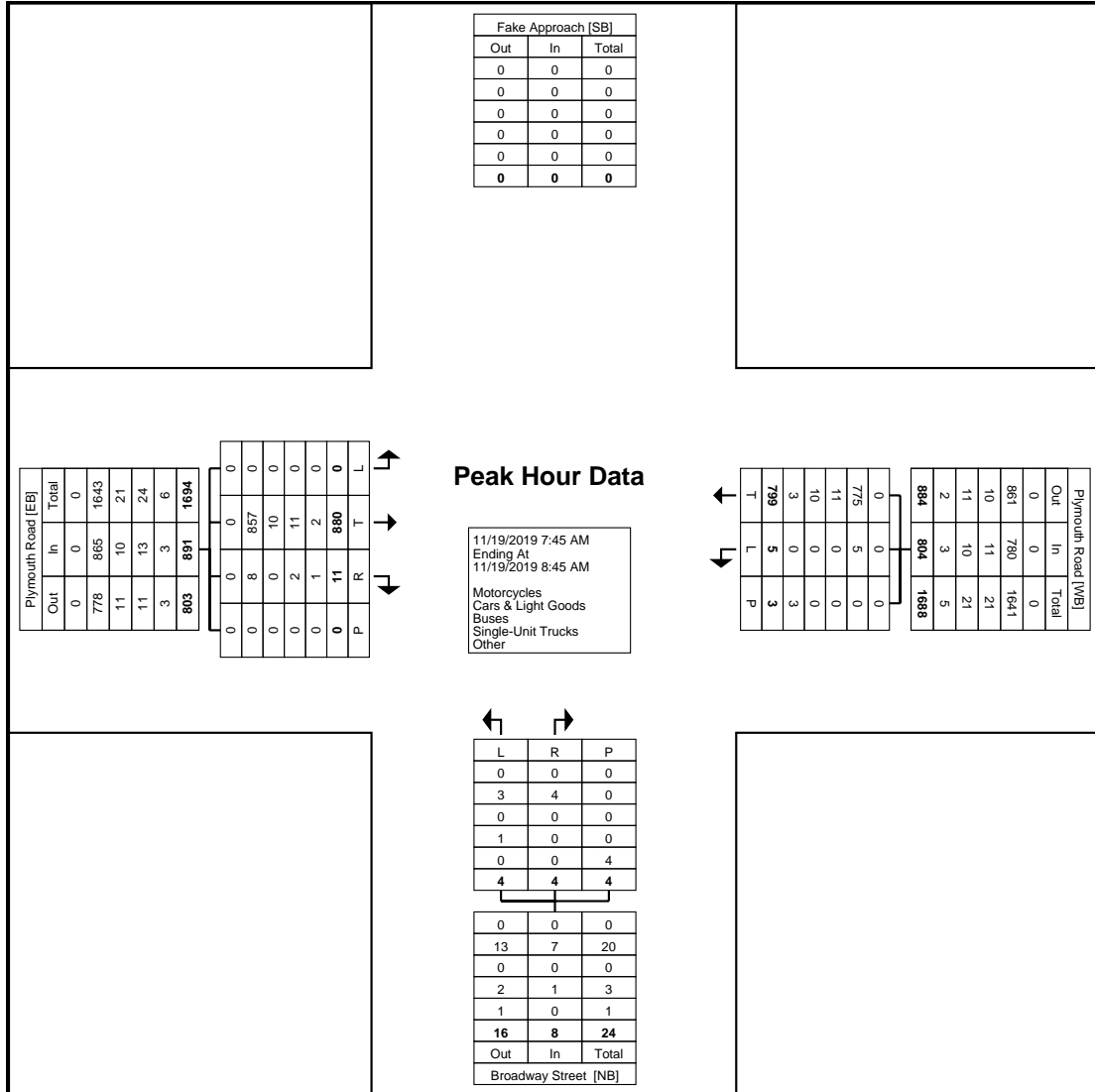
Start Time	Plymouth Road Westbound				Broadway Street Northbound				Plymouth Road Eastbound					Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
7:45 AM	209	2	2	211	1	1	0	2	5	243	0	0	248	461
8:00 AM	187	2	0	189	3	1	3	4	3	202	0	0	205	398
8:15 AM	197	0	1	197	0	1	1	1	2	220	0	0	222	420
8:30 AM	206	1	0	207	0	1	0	1	1	215	0	0	216	424
Total	799	5	3	804	4	4	4	8	11	880	0	0	891	1703
Approach %	99.4	0.6	-	-	50.0	50.0	-	-	1.2	98.8	0.0	-	-	-
Total %	46.9	0.3	-	47.2	0.2	0.2	-	0.5	0.6	51.7	0.0	-	52.3	-
PHF	0.956	0.625	-	0.953	0.333	1.000	-	0.500	0.550	0.905	0.000	-	0.898	0.924
Motorcycles	0	0	-	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	775	5	-	780	4	3	-	7	8	857	0	-	865	1652
% Cars & Light Goods	97.0	100.0	-	97.0	100.0	75.0	-	87.5	72.7	97.4	-	-	97.1	97.0
Buses	11	0	-	11	0	0	-	0	0	10	0	-	10	21
% Buses	1.4	0.0	-	1.4	0.0	0.0	-	0.0	0.0	1.1	-	-	1.1	1.2
Single-Unit Trucks	10	0	-	10	0	1	-	1	2	11	0	-	13	24
% Single-Unit Trucks	1.3	0.0	-	1.2	0.0	25.0	-	12.5	18.2	1.3	-	-	1.5	1.4
Articulated Trucks	3	0	-	3	0	0	-	0	0	0	0	-	0	3
% Articulated Trucks	0.4	0.0	-	0.4	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.2
Bicycles on Road	0	0	-	0	0	0	-	0	1	2	0	-	3	3
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	9.1	0.2	-	-	0.3	0.2
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	-	-	-	-
Pedestrians	-	-	3	-	-	-	4	-	-	-	-	0	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4PU
 SW

Count Name: TMC_13
 Plymouth & Broadway_11-19-19
 Site Code: TMC_13
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4PU
 SW

Count Name: TMC_13
 Plymouth & Broadway_11-19-19
 Site Code: TMC_13
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:45 AM)

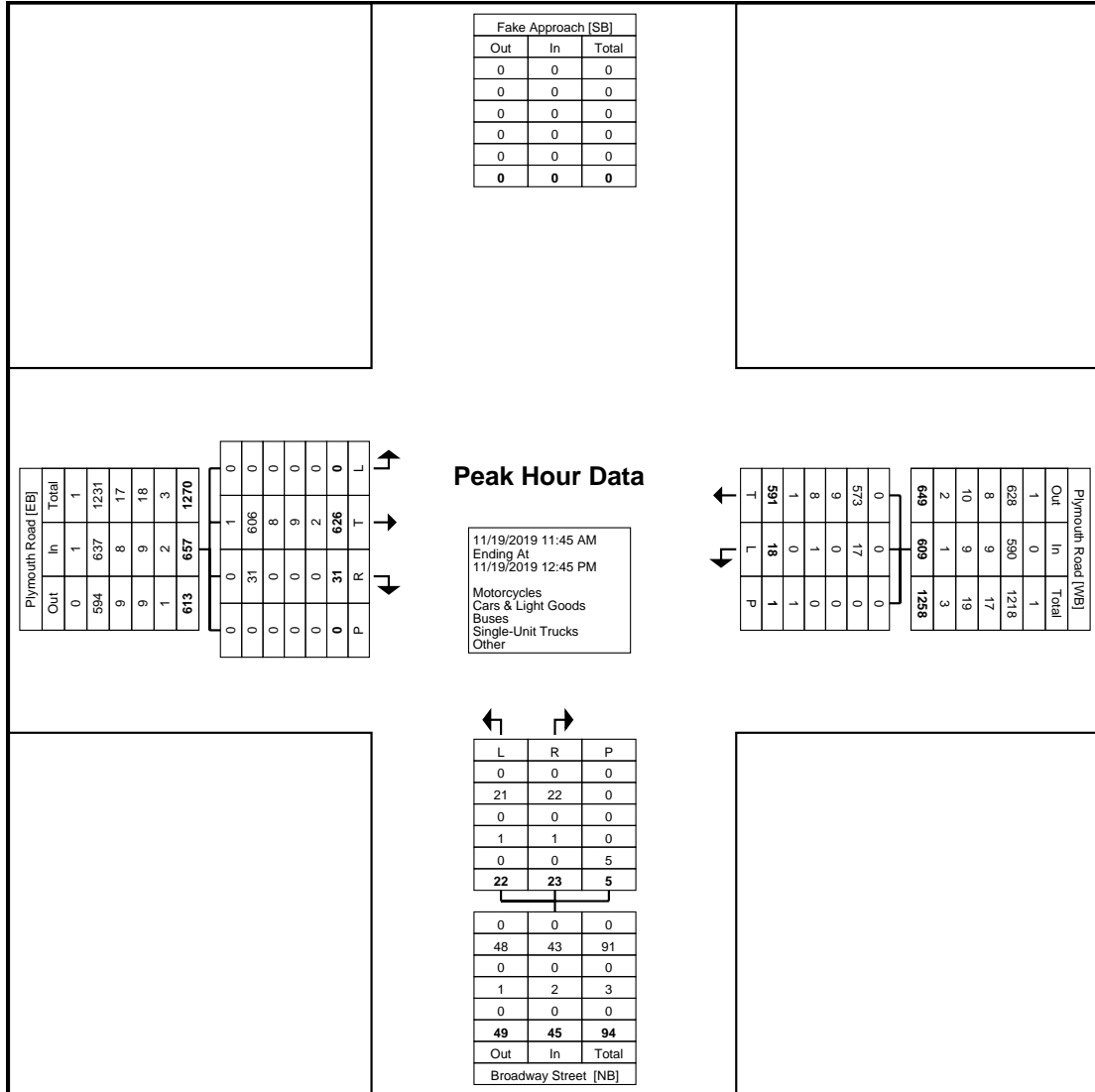
Start Time	Plymouth Road Westbound				Broadway Street Northbound				Plymouth Road Eastbound				Int. Total	
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Left	Peds		App. Total
11:45 AM	155	6	0	161	3	4	2	7	7	135	0	0	142	310
12:00 PM	158	7	1	165	7	5	0	12	7	160	0	0	167	344
12:15 PM	134	3	0	137	7	7	2	14	11	165	0	0	176	327
12:30 PM	144	2	0	146	6	6	1	12	6	166	0	0	172	330
Total	591	18	1	609	23	22	5	45	31	626	0	0	657	1311
Approach %	97.0	3.0	-	-	51.1	48.9	-	-	4.7	95.3	0.0	-	-	-
Total %	45.1	1.4	-	46.5	1.8	1.7	-	3.4	2.4	47.7	0.0	-	50.1	-
PHF	0.935	0.643	-	0.923	0.821	0.786	-	0.804	0.705	0.943	0.000	-	0.933	0.953
Motorcycles	0	0	-	0	0	0	-	0	0	1	0	-	1	1
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.2	-	-	0.2	0.1
Cars & Light Goods	573	17	-	590	22	21	-	43	31	606	0	-	637	1270
% Cars & Light Goods	97.0	94.4	-	96.9	95.7	95.5	-	95.6	100.0	96.8	-	-	97.0	96.9
Buses	9	0	-	9	0	0	-	0	0	8	0	-	8	17
% Buses	1.5	0.0	-	1.5	0.0	0.0	-	0.0	0.0	1.3	-	-	1.2	1.3
Single-Unit Trucks	8	1	-	9	1	1	-	2	0	9	0	-	9	20
% Single-Unit Trucks	1.4	5.6	-	1.5	4.3	4.5	-	4.4	0.0	1.4	-	-	1.4	1.5
Articulated Trucks	0	0	-	0	0	0	-	0	0	2	0	-	2	2
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.3	-	-	0.3	0.2
Bicycles on Road	1	0	-	1	0	0	-	0	0	0	0	-	0	1
% Bicycles on Road	0.2	0.0	-	0.2	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.1
Bicycles on Crosswalk	-	-	0	-	-	-	4	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	80.0	-	-	-	-	-	-	-
Pedestrians	-	-	1	-	-	-	1	-	-	-	-	0	-	-
% Pedestrians	-	-	100.0	-	-	-	20.0	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4PU
 SW

Count Name: TMC_13
 Plymouth & Broadway_11-19-19
 Site Code: TMC_13
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4PU
 SW

Count Name: TMC_13
 Plymouth & Broadway_11-19-19
 Site Code: TMC_13
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (5:00 PM)

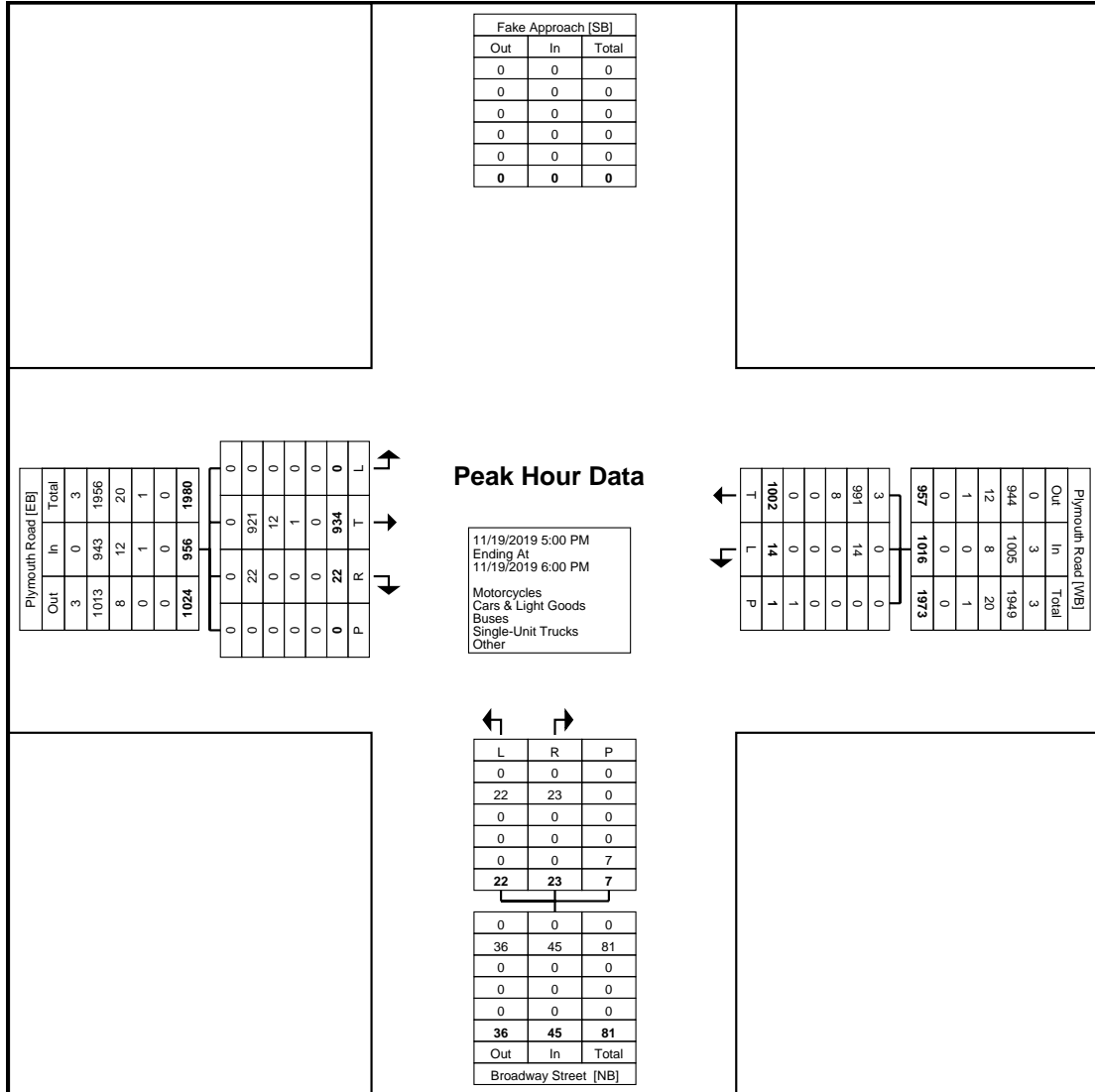
Start Time	Plymouth Road Westbound				Broadway Street Northbound				Plymouth Road Eastbound					Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
5:00 PM	264	6	0	270	5	3	1	8	8	208	0	0	216	494
5:15 PM	257	2	0	259	10	7	2	17	4	241	0	0	245	521
5:30 PM	223	2	0	225	2	9	4	11	7	256	0	0	263	499
5:45 PM	258	4	1	262	6	3	0	9	3	229	0	0	232	503
Total	1002	14	1	1016	23	22	7	45	22	934	0	0	956	2017
Approach %	98.6	1.4	-	-	51.1	48.9	-	-	2.3	97.7	0.0	-	-	-
Total %	49.7	0.7	-	50.4	1.1	1.1	-	2.2	1.1	46.3	0.0	-	47.4	-
PHF	0.949	0.583	-	0.941	0.575	0.611	-	0.662	0.688	0.912	0.000	-	0.909	0.968
Motorcycles	3	0	-	3	0	0	-	0	0	0	0	-	0	3
% Motorcycles	0.3	0.0	-	0.3	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.1
Cars & Light Goods	991	14	-	1005	23	22	-	45	22	921	0	-	943	1993
% Cars & Light Goods	98.9	100.0	-	98.9	100.0	100.0	-	100.0	100.0	98.6	-	-	98.6	98.8
Buses	8	0	-	8	0	0	-	0	0	12	0	-	12	20
% Buses	0.8	0.0	-	0.8	0.0	0.0	-	0.0	0.0	1.3	-	-	1.3	1.0
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	1	0	-	1	1
% Single-Unit Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.1	-	-	0.1	0.0
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	-	-	-	-
Pedestrians	-	-	1	-	-	-	7	-	-	-	-	0	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU4PU
 SW

Count Name: TMC_13
 Plymouth & Broadway_11-19-19
 Site Code: TMC_13
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (5:00 PM)



Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU4PU
SW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_13
Plymouth & Broadway_11-
19-19
Site Code: TMC_13
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Signalized controlled "T" intersection, push button ped. signals for east & south legs. Note: Broadway Street was closed to through traffic due to building under construction. VCU camera was located within SW intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_13 Plymouth & Broadway_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728528, Location: 42.290656, -83.737871, Site Code: TMC_13 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Plymouth Road Westbound					Broadway Street Northbound					Plymouth Road Eastbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
2019-11-19 6:00AM	56	6	0	62	0	0	0	0	0	0	1	26	0	27	0	89
6:15AM	65	9	0	74	0	0	0	0	0	0	7	45	0	52	0	126
6:30AM	111	17	0	128	0	1	2	0	3	1	6	38	0	44	0	175
6:45AM	101	17	0	118	1	0	0	0	0	0	10	69	0	79	0	197
Hourly Total	333	49	0	382	1	1	2	0	3	1	24	178	0	202	0	587
7:00AM	104	11	0	115	0	0	1	0	1	1	2	60	0	62	0	178
7:15AM	144	8	0	152	0	1	1	0	2	0	4	102	0	106	0	260
7:30AM	195	2	0	197	2	0	1	0	1	3	3	146	0	149	0	347
7:45AM	209	2	0	211	2	1	1	0	2	0	5	243	0	248	0	461
Hourly Total	652	23	0	675	4	2	4	0	6	4	14	551	0	565	0	1246
8:00AM	187	2	0	189	0	3	1	0	4	3	3	202	0	205	0	398
8:15AM	197	0	0	197	1	0	1	0	1	1	2	220	0	222	0	420
8:30AM	206	1	0	207	0	0	1	0	1	0	1	215	0	216	0	424
8:45AM	214	3	0	217	0	3	4	0	7	3	5	214	0	219	0	443
Hourly Total	804	6	0	810	1	6	7	0	13	7	11	851	0	862	0	1685
9:00AM	174	5	0	179	0	3	3	0	6	0	7	181	0	188	0	373
9:15AM	136	2	0	138	1	4	3	0	7	2	8	154	0	162	0	307
9:30AM	146	1	0	147	0	5	2	0	7	5	7	128	0	135	0	289
9:45AM	139	1	0	140	0	1	2	0	3	1	1	135	0	136	0	279
Hourly Total	595	9	0	604	1	13	10	0	23	8	23	598	0	621	0	1248
10:00AM	125	4	0	129	0	2	1	0	3	2	3	128	0	131	0	263
10:15AM	114	3	0	117	1	2	0	0	2	1	3	142	0	145	0	264
10:30AM	125	4	0	129	1	3	5	0	8	0	4	136	0	140	0	277
10:45AM	130	3	0	133	0	3	4	0	7	0	5	116	0	121	0	261
Hourly Total	494	14	0	508	2	10	10	0	20	3	15	522	0	537	0	1065
11:00AM	107	2	0	109	1	8	3	0	11	0	5	112	0	117	0	237
11:15AM	129	6	0	135	0	6	4	0	10	1	8	137	0	145	0	290
11:30AM	134	5	0	139	1	5	4	0	9	2	2	130	0	132	0	280
11:45AM	155	6	0	161	0	3	4	0	7	2	7	135	0	142	0	310
Hourly Total	525	19	0	544	2	22	15	0	37	5	22	514	0	536	0	1117
12:00PM	158	7	0	165	1	7	5	0	12	0	7	160	0	167	0	344
12:15PM	134	3	0	137	0	7	7	0	14	2	11	165	0	176	0	327
12:30PM	144	2	0	146	0	6	6	0	12	1	6	166	0	172	0	330
12:45PM	142	3	0	145	0	2	2	0	4	0	5	143	0	148	0	297
Hourly Total	578	15	0	593	1	22	20	0	42	3	29	634	0	663	0	1298
1:00PM	116	3	0	119	1	7	3	0	10	0	6	150	0	156	0	285
1:15PM	129	0	0	129	0	2	7	0	9	1	4	128	0	132	0	270
1:30PM	117	1	0	118	0	2	3	0	5	2	2	132	0	134	0	257
1:45PM	128	6	0	134	0	3	3	0	6	0	2	123	0	125	0	265
Hourly Total	490	10	0	500	1	14	16	0	30	3	14	533	0	547	0	1077
2:00PM	133	5	0	138	0	11	4	0	15	4	6	100	0	106	0	259
2:15PM	131	4	0	135	0	6	2	0	8	0	2	124	1	127	0	270
2:30PM	142	0	0	142	0	4	2	0	6	0	3	151	1	155	0	303
2:45PM	145	1	0	146	1	4	6	0	10	0	2	132	0	134	0	290
Hourly Total	551	10	0	561	1	25	14	0	39	4	13	507	2	522	0	1122
3:00PM	120	2	0	122	0	22	13	0	35	2	3	167	0	170	0	327
3:15PM	182	3	0	185	0	35	12	0	47	0	7	170	0	177	0	409
3:30PM	153	3	0	156	0	6	6	0	12	1	7	184	0	191	0	359
3:45PM	174	3	0	177	0	3	6	0	9	2	4	204	0	208	0	394
Hourly Total	629	11	0	640	0	66	37	0	103	5	21	725	0	746	0	1489
4:00PM	188	4	0	192	1	4	2	0	6	1	1	193	0	194	0	392
4:15PM	188	2	0	190	0	13	7	0	20	3	6	216	0	222	0	432

Leg Direction	Plymouth Road Westbound					Broadway Street Northbound					Plymouth Road Eastbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
4:30PM	204	3	0	207	0	4	2	0	6	2	6	221	0	227	0	440
4:45PM	193	3	0	196	2	5	10	0	15	1	3	211	0	214	0	425
Hourly Total	773	12	0	785	3	26	21	0	47	7	16	841	0	857	0	1689
5:00PM	264	6	0	270	0	5	3	0	8	1	8	208	0	216	0	494
5:15PM	257	2	0	259	0	10	7	0	17	2	4	241	0	245	0	521
5:30PM	223	2	0	225	0	2	9	0	11	4	7	256	0	263	0	499
5:45PM	258	4	0	262	1	6	3	0	9	0	3	229	0	232	0	503
Hourly Total	1002	14	0	1016	1	23	22	0	45	7	22	934	0	956	0	2017
6:00PM	184	2	0	186	1	2	3	0	5	1	8	146	0	154	0	345
6:15PM	166	1	0	167	1	2	11	0	13	2	5	181	0	186	0	366
6:30PM	153	2	0	155	0	0	5	0	5	4	8	143	0	151	0	311
6:45PM	144	1	0	145	0	3	6	0	9	4	5	119	0	124	0	278
Hourly Total	647	6	0	653	2	7	25	0	32	11	26	589	0	615	0	1300
Total	8073	198	0	8271	20	237	203	0	440	68	250	7977	2	8229	0	16940
% Approach	97.6%	2.4%	0%	-	-	53.9%	46.1%	0%	-	-	3.0%	96.9%	0%	-	-	-
% Total	47.7%	1.2%	0%	48.8%	-	1.4%	1.2%	0%	2.6%	-	1.5%	47.1%	0%	48.6%	-	-
Motorcycles	4	0	0	4	-	0	0	0	0	-	0	3	0	3	-	7
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	7848	183	0	8031	-	220	185	0	405	-	228	7747	2	7977	-	16413
% Lights	97.2%	92.4%	0%	97.1%	-	92.8%	91.1%	0%	92.0%	-	91.2%	97.1%	100%	96.9%	-	96.9%
Single-Unit Trucks	93	9	0	102	-	13	13	0	26	-	14	92	0	106	-	234
% Single-Unit Trucks	1.2%	4.5%	0%	1.2%	-	5.5%	6.4%	0%	5.9%	-	5.6%	1.2%	0%	1.3%	-	1.4%
Articulated Trucks	17	5	0	22	-	3	2	0	5	-	2	19	0	21	-	48
% Articulated Trucks	0.2%	2.5%	0%	0.3%	-	1.3%	1.0%	0%	1.1%	-	0.8%	0.2%	0%	0.3%	-	0.3%
Buses	107	0	0	107	-	1	0	0	1	-	3	113	0	116	-	224
% Buses	1.3%	0%	0%	1.3%	-	0.4%	0%	0%	0.2%	-	1.2%	1.4%	0%	1.4%	-	1.3%
Bicycles on Road	4	1	0	5	-	0	3	0	3	-	3	3	0	6	-	14
% Bicycles on Road	0%	0.5%	0%	0.1%	-	0%	1.5%	0%	0.7%	-	1.2%	0%	0%	0.1%	-	0.1%
Pedestrians	-	-	-	-	19	-	-	-	-	53	-	-	-	-	0	-
% Pedestrians	-	-	-	-	95.0%	-	-	-	-	77.9%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	15	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	5.0%	-	-	-	-	22.1%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_13 Plymouth & Broadway_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

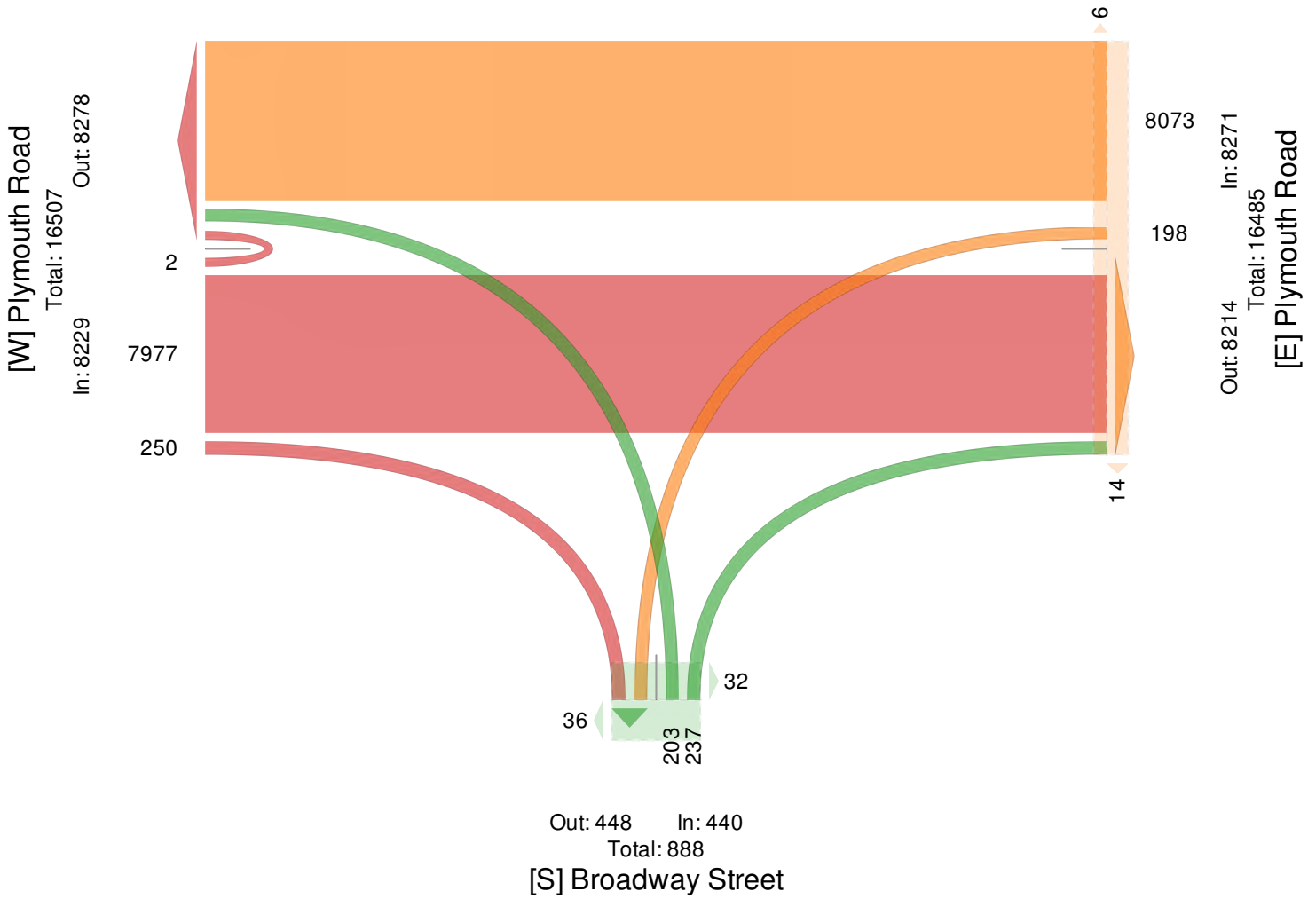
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728528, Location: 42.290656, -83.737871, Site Code: TMC_13 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_13 Plymouth & Broadway_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728528, Location: 42.290656, -83.737871, Site Code: TMC_13 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Plymouth Road Westbound					Broadway Street Northbound					Plymouth Road Eastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 7:45AM	209	2	0	211	2	1	1	0	2	0	5	243	0	248	0	461
8:00AM	187	2	0	189	0	3	1	0	4	3	3	202	0	205	0	398
8:15AM	197	0	0	197	1	0	1	0	1	1	2	220	0	222	0	420
8:30AM	206	1	0	207	0	0	1	0	1	0	1	215	0	216	0	424
Total	799	5	0	804	3	4	4	0	8	4	11	880	0	891	0	1703
% Approach	99.4%	0.6%	0%	-	-	50.0%	50.0%	0%	-	-	1.2%	98.8%	0%	-	-	-
% Total	46.9%	0.3%	0%	47.2%	-	0.2%	0.2%	0%	0.5%	-	0.6%	51.7%	0%	52.3%	-	-
PHF	0.956	0.625	-	0.953	-	0.333	1.000	-	0.500	-	0.500	0.911	-	0.902	-	0.926
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	775	5	0	780	-	4	3	0	7	-	8	857	0	865	-	1652
% Lights	97.0%	100%	0%	97.0%	-	100%	75.0%	0%	87.5%	-	72.7%	97.4%	0%	97.1%	-	97.0%
Single-Unit Trucks	10	0	0	10	-	0	1	0	1	-	2	11	0	13	-	24
% Single-Unit Trucks	1.3%	0%	0%	1.2%	-	0%	25.0%	0%	12.5%	-	18.2%	1.3%	0%	1.5%	-	1.4%
Articulated Trucks	3	0	0	3	-	0	0	0	0	-	0	0	0	0	-	3
% Articulated Trucks	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.2%
Buses	11	0	0	11	-	0	0	0	0	-	0	10	0	10	-	21
% Buses	1.4%	0%	0%	1.4%	-	0%	0%	0%	0%	-	0%	1.1%	0%	1.1%	-	1.2%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	1	2	0	3	-	3
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	9.1%	0.2%	0%	0.3%	-	0.2%
Pedestrians	-	-	-	-	3	-	-	-	-	4	-	-	-	-	0	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_13 Plymouth & Broadway_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

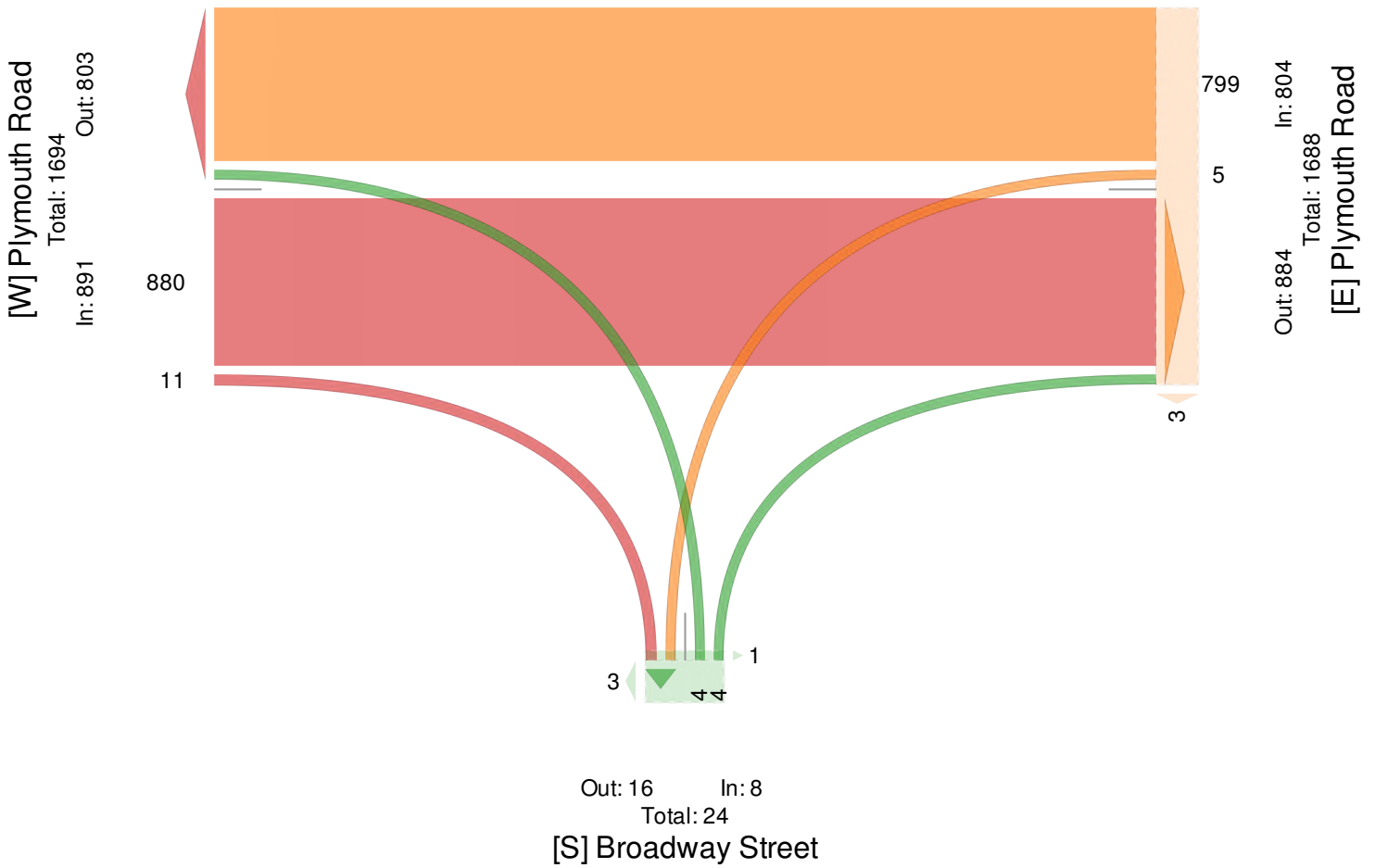
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728528, Location: 42.290656, -83.737871, Site Code: TMC_13 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_13 Plymouth & Broadway_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728528, Location: 42.290656, -83.737871, Site Code: TMC_13 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Plymouth Road Westbound					Broadway Street Northbound					Plymouth Road Eastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 11:45AM	155	6	0	161	0	3	4	0	7	2	7	135	0	142	0	310
12:00PM	158	7	0	165	1	7	5	0	12	0	7	160	0	167	0	344
12:15PM	134	3	0	137	0	7	7	0	14	2	11	165	0	176	0	327
12:30PM	144	2	0	146	0	6	6	0	12	1	6	166	0	172	0	330
Total	591	18	0	609	1	23	22	0	45	5	31	626	0	657	0	1311
% Approach	97.0%	3.0%	0%	-	-	51.1%	48.9%	0%	-	-	4.7%	95.3%	0%	-	-	-
% Total	45.1%	1.4%	0%	46.5%	-	1.8%	1.7%	0%	3.4%	-	2.4%	47.7%	0%	50.1%	-	-
PHF	0.934	0.643	-	0.921	-	0.821	0.786	-	0.804	-	0.705	0.943	-	0.933	-	0.952
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.2%	0%	0.2%	-	0.1%
Lights	573	17	0	590	-	22	21	0	43	-	31	606	0	637	-	1270
% Lights	97.0%	94.4%	0%	96.9%	-	95.7%	95.5%	0%	95.6%	-	100%	96.8%	0%	97.0%	-	96.9%
Single-Unit Trucks	8	1	0	9	-	1	1	0	2	-	0	9	0	9	-	20
% Single-Unit Trucks	1.4%	5.6%	0%	1.5%	-	4.3%	4.5%	0%	4.4%	-	0%	1.4%	0%	1.4%	-	1.5%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	2	0	2	-	2
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.3%	0%	0.3%	-	0.2%
Buses	9	0	0	9	-	0	0	0	0	-	0	8	0	8	-	17
% Buses	1.5%	0%	0%	1.5%	-	0%	0%	0%	0%	-	0%	1.3%	0%	1.2%	-	1.3%
Bicycles on Road	1	0	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Bicycles on Road	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	1	-	-	-	-	1	-	-	-	-	0	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	20.0%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	4	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	80.0%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_13 Plymouth & Broadway_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

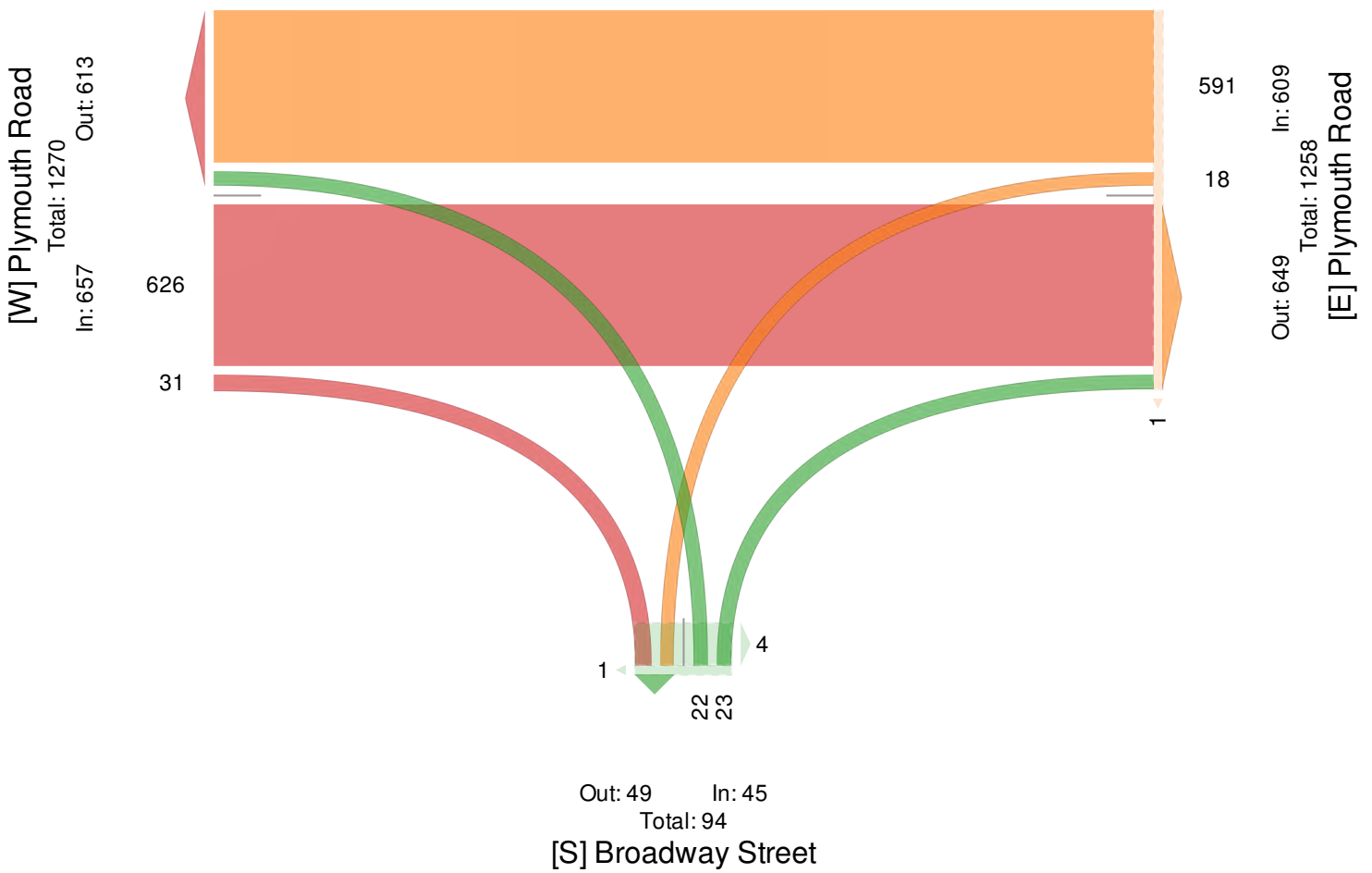
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728528, Location: 42.290656, -83.737871, Site Code: TMC_13 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_13 Plymouth & Broadway_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728528, Location: 42.290656, -83.737871, Site Code: TMC_13 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Plymouth Road Westbound					Broadway Street Northbound					Plymouth Road Eastbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 5:00PM	264	6	0	270	0	5	3	0	8	1	8	208	0	216	0	494
5:15PM	257	2	0	259	0	10	7	0	17	2	4	241	0	245	0	521
5:30PM	223	2	0	225	0	2	9	0	11	4	7	256	0	263	0	499
5:45PM	258	4	0	262	1	6	3	0	9	0	3	229	0	232	0	503
Total	1002	14	0	1016	1	23	22	0	45	7	22	934	0	956	0	2017
% Approach	98.6%	1.4%	0%	-	-	51.1%	48.9%	0%	-	-	2.3%	97.7%	0%	-	-	-
% Total	49.7%	0.7%	0%	50.4%	-	1.1%	1.1%	0%	2.2%	-	1.1%	46.3%	0%	47.4%	-	-
PHF	0.949	0.583	-	0.941	-	0.575	0.611	-	0.662	-	0.688	0.912	-	0.909	-	0.968
Motorcycles	3	0	0	3	-	0	0	0	0	-	0	0	0	0	-	3
% Motorcycles	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%
Lights	991	14	0	1005	-	23	22	0	45	-	22	921	0	943	-	1993
% Lights	98.9%	100%	0%	98.9%	-	100%	100%	0%	100%	-	100%	98.6%	0%	98.6%	-	98.8%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.1%	0%	0.1%	-	0%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	8	0	0	8	-	0	0	0	0	-	0	12	0	12	-	20
% Buses	0.8%	0%	0%	0.8%	-	0%	0%	0%	0%	-	0%	1.3%	0%	1.3%	-	1.0%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	1	-	-	-	-	7	-	-	-	-	0	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_13 Plymouth & Broadway_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

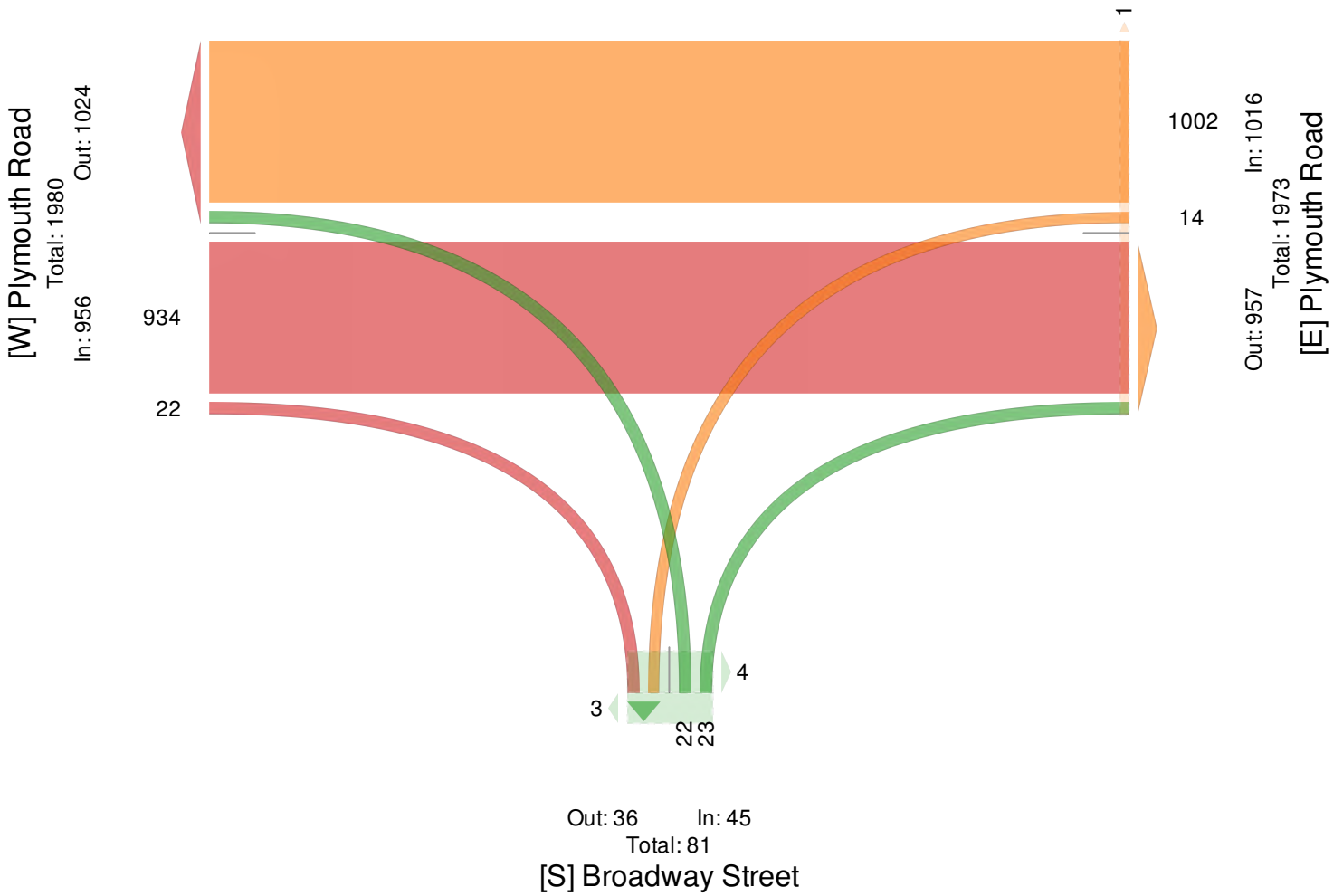
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728528, Location: 42.290656, -83.737871, Site Code: TMC_13 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Moore Street Southbound					Plymouth Road Westbound					Maiden Lane Northbound					Broadway Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
12:00 AM	0	0	0	0	0	1	14	1	0	16	7	8	1	1	16	3	16	3	0	22	54
12:15 AM	0	0	0	0	0	0	14	5	1	19	4	2	0	0	6	3	11	4	0	18	43
12:30 AM	0	0	0	0	0	0	7	1	0	8	3	4	1	0	8	1	12	1	0	14	30
12:45 AM	0	0	0	0	0	0	6	4	0	10	4	2	2	0	8	2	9	1	0	12	30
Hourly Total	0	0	0	0	0	1	41	11	1	53	18	16	4	1	38	9	48	9	0	66	157
1:00 AM	0	0	0	0	0	0	6	2	0	8	4	1	0	0	5	2	10	0	0	12	25
1:15 AM	0	0	0	0	0	0	4	4	0	8	2	1	1	2	4	1	2	5	0	8	20
1:30 AM	0	0	0	0	0	1	8	2	0	11	3	4	1	0	8	0	8	1	0	9	28
1:45 AM	0	0	0	0	0	0	4	4	0	8	3	0	0	0	3	2	11	3	0	16	27
Hourly Total	0	0	0	0	0	1	22	12	0	35	12	6	2	2	20	5	31	9	0	45	100
2:00 AM	0	1	0	0	1	0	2	3	0	5	1	0	0	0	1	0	3	1	0	4	11
2:15 AM	0	0	0	0	0	0	4	2	0	6	0	4	0	0	4	0	4	2	0	6	16
2:30 AM	0	0	0	0	0	0	3	2	0	5	0	2	0	0	2	0	0	1	0	1	8
2:45 AM	0	0	0	0	0	0	0	2	0	2	2	1	0	0	3	1	0	0	0	1	6
Hourly Total	0	1	0	0	1	0	9	9	0	18	3	7	0	0	10	1	7	4	0	12	41
3:00 AM	0	0	0	0	0	0	3	2	0	5	2	2	0	1	4	0	3	0	0	3	12
3:15 AM	0	0	0	0	0	0	2	4	0	6	3	2	1	0	6	0	1	0	0	1	13
3:30 AM	0	0	0	0	0	0	4	3	0	7	3	2	1	0	6	1	2	0	1	3	16
3:45 AM	0	0	0	0	0	0	1	2	0	3	1	0	3	0	4	2	0	0	0	2	9
Hourly Total	0	0	0	0	0	0	10	11	0	21	9	6	5	1	20	3	6	0	1	9	50
4:00 AM	0	0	0	0	0	0	2	3	0	5	1	0	0	0	1	0	3	0	0	3	9
4:15 AM	0	0	0	0	0	0	3	4	0	7	0	0	1	1	1	3	5	1	0	9	17
4:30 AM	0	0	0	0	0	1	2	4	1	7	1	1	0	1	2	8	4	0	0	12	21
4:45 AM	0	0	0	0	0	0	1	14	0	15	0	0	0	0	0	8	7	0	0	15	30
Hourly Total	0	0	0	0	0	1	8	25	1	34	2	1	1	2	4	19	19	1	0	39	77
5:00 AM	0	0	0	0	0	0	5	12	0	17	4	0	0	0	4	25	3	0	0	28	49
5:15 AM	0	0	0	0	0	0	8	18	0	26	2	1	1	0	4	18	8	0	0	26	56
5:30 AM	0	0	0	0	0	0	10	43	2	53	3	5	2	1	10	41	14	1	1	56	119
5:45 AM	0	0	0	0	0	0	12	42	1	54	11	3	2	1	16	47	20	1	0	68	138
Hourly Total	0	0	0	0	0	0	35	115	3	150	20	9	5	2	34	131	45	2	1	178	362
6:00 AM	0	0	0	0	0	0	13	44	0	57	5	4	2	2	11	41	22	1	1	64	132
6:15 AM	0	0	0	1	0	0	20	38	2	58	9	3	4	1	16	56	41	3	0	100	174
6:30 AM	0	0	0	0	0	1	38	82	5	121	13	5	2	1	20	48	35	8	2	91	232
6:45 AM	0	0	0	1	0	2	32	64	1	98	19	5	3	1	27	53	61	7	2	121	246
Hourly Total	0	0	0	2	0	3	103	228	8	334	46	17	11	5	74	198	159	19	5	376	784
7:00 AM	0	0	0	1	0	1	50	56	1	107	14	9	12	6	35	53	47	13	2	113	255
7:15 AM	0	0	0	3	0	2	59	88	2	149	26	17	8	2	51	46	81	26	1	153	353
7:30 AM	0	0	0	1	0	2	93	100	4	195	34	29	11	2	74	58	114	33	1	205	474
7:45 AM	0	0	0	2	0	2	115	88	7	205	51	13	10	8	74	61	205	39	5	305	584
Hourly Total	0	0	0	7	0	7	317	332	14	656	125	68	41	18	234	218	447	111	9	776	1666
8:00 AM	0	0	0	1	0	4	108	71	3	183	23	13	14	6	50	63	174	41	0	278	511
8:15 AM	0	0	0	0	0	0	124	77	5	201	29	8	11	2	48	66	201	23	1	290	539
8:30 AM	0	0	0	0	0	2	126	83	10	211	39	7	8	8	54	52	172	21	5	245	510
8:45 AM	0	0	0	4	0	5	133	67	4	205	22	10	15	3	47	58	198	30	8	286	538
Hourly Total	0	0	0	5	0	11	491	298	22	800	113	38	48	19	199	239	745	115	14	1099	2098
9:00 AM	0	0	0	4	0	0	127	57	5	184	34	10	12	4	56	44	155	23	5	222	462
9:15 AM	0	0	0	1	0	2	100	46	1	148	24	8	9	4	41	16	134	18	4	168	357
9:30 AM	0	0	0	2	0	6	86	57	10	149	25	16	6	7	47	44	114	15	4	173	369
9:45 AM	0	0	0	0	0	2	85	44	4	131	27	12	16	4	55	30	105	23	2	158	344
Hourly Total	0	0	0	7	0	10	398	204	20	612	110	46	43	19	199	134	508	79	15	721	1532
10:00 AM	0	0	0	1	0	3	87	45	5	135	25	12	11	3	48	23	110	24	1	157	340
10:15 AM	1	0	0	1	1	2	72	39	2	113	30	20	10	5	60	29	111	25	2	165	339
10:30 AM	0	0	0	2	0	2	84	41	4	127	39	17	18	0	74	16	102	21	0	139	340
10:45 AM	0	0	0	0	0	3	93	43	0	139	35	12	9	1	56	18	89	14	1	121	316
Hourly Total	1	0	0	4	1	10	336	168	11	514	129	61	48	9	238	86	412	84	4	582	1335
11:00 AM	0	0	0	0	0	2	70	30	1	102	32	29	17	3	78	14	91	21	0	126	306
11:15 AM	0	0	0	1	0	5	87	37	1	129	37	16	13	1	66	28	107	28	1	163	358

11:30 AM	0	0	0	0	0	3	96	50	0	149	33	11	17	5	61	19	105	32	1	156	366
11:45 AM	0	0	0	0	0	2	100	58	2	160	40	19	13	3	72	26	102	35	1	163	395
Hourly Total	0	0	0	1	0	12	353	175	4	540	142	75	60	12	277	87	405	116	3	608	1425
12:00 PM	0	0	0	0	0	6	109	37	2	152	47	25	19	3	91	19	118	24	0	161	404
12:15 PM	0	0	0	1	0	3	96	46	1	145	47	17	14	0	78	14	123	22	2	159	382
12:30 PM	0	0	0	0	0	1	97	54	0	152	44	26	13	2	83	15	127	26	1	168	403
12:45 PM	0	0	0	2	0	3	104	39	5	146	39	30	6	3	75	17	108	23	1	148	369
Hourly Total	0	0	0	3	0	13	406	176	8	595	177	98	52	8	327	65	476	95	4	636	1558
1:00 PM	0	0	0	2	0	3	86	36	3	125	52	14	14	1	80	18	105	42	1	165	370
1:15 PM	0	0	0	2	0	1	86	45	5	132	38	10	11	3	59	29	91	30	2	150	341
1:30 PM	0	0	0	3	0	3	74	47	0	124	38	21	7	3	66	20	92	33	2	145	335
1:45 PM	0	0	0	0	0	0	87	37	1	124	40	25	11	0	76	33	82	30	1	145	345
Hourly Total	0	0	0	7	0	7	333	165	9	505	168	70	43	7	281	100	370	135	6	605	1391
2:00 PM	0	0	0	0	0	4	100	33	1	137	28	33	15	5	76	18	79	32	1	129	342
2:15 PM	0	0	0	3	0	1	90	51	3	142	40	29	14	2	83	16	86	42	3	144	369
2:30 PM	0	0	1	4	1	10	85	43	4	138	48	40	18	1	106	21	104	62	3	187	432
2:45 PM	0	0	0	1	0	5	101	50	2	156	39	38	25	1	102	22	98	38	1	158	416
Hourly Total	0	0	1	8	1	20	376	177	10	573	155	140	72	9	367	77	367	174	8	618	1559
3:00 PM	0	0	0	2	0	7	95	33	5	135	56	47	19	2	122	21	115	75	3	211	468
3:15 PM	0	0	0	2	0	6	153	38	4	197	57	56	22	0	135	14	125	70	0	209	541
3:30 PM	0	0	0	2	0	2	130	33	1	165	47	62	37	2	146	15	140	73	1	228	539
3:45 PM	0	0	0	1	0	0	145	31	3	176	81	53	40	2	174	18	127	46	1	191	541
Hourly Total	0	0	0	7	0	15	523	135	13	673	241	218	118	6	577	68	507	264	5	839	2089
4:00 PM	0	0	1	0	1	6	139	38	5	183	58	63	32	2	153	15	135	82	2	232	569
4:15 PM	0	0	0	1	0	1	177	38	5	216	64	69	44	5	177	17	167	102	1	286	679
4:30 PM	0	0	0	1	0	5	175	30	13	210	73	70	36	8	179	22	153	93	1	268	657
4:45 PM	0	0	1	4	1	7	160	34	11	201	83	86	40	5	209	16	132	101	4	249	660
Hourly Total	0	0	2	6	2	19	651	140	34	810	278	288	152	20	718	70	587	378	8	1035	2565
5:00 PM	0	0	0	2	0	4	214	41	7	259	78	72	44	6	194	12	137	71	1	220	673
5:15 PM	0	0	0	2	0	5	230	31	8	266	79	63	32	1	174	22	167	70	2	259	699
5:30 PM	0	0	0	2	0	5	185	44	7	234	70	59	22	5	151	22	191	91	4	304	689
5:45 PM	0	0	0	3	0	4	221	41	9	266	59	59	27	7	145	32	170	65	1	267	678
Hourly Total	0	0	0	9	0	18	850	157	31	1025	286	253	125	19	664	88	665	297	8	1050	2739
6:00 PM	0	0	0	3	0	5	149	33	5	187	39	37	20	4	96	21	121	61	1	203	486
6:15 PM	0	0	0	2	0	6	130	43	4	179	45	30	16	4	91	20	143	52	1	215	485
6:30 PM	0	0	0	1	0	4	123	44	2	171	50	18	15	9	83	33	108	43	1	184	438
6:45 PM	0	0	0	1	0	4	117	31	3	152	38	27	23	2	88	30	89	52	2	171	411
Hourly Total	0	0	0	7	0	19	519	151	14	689	172	112	74	19	358	104	461	208	5	773	1820
7:00 PM	0	0	0	1	0	4	116	22	1	142	36	27	9	3	72	12	116	53	0	181	395
7:15 PM	0	0	0	0	0	4	126	32	3	162	45	38	14	0	97	14	85	43	1	142	401
7:30 PM	0	0	0	0	0	4	76	27	5	107	26	30	13	1	69	17	100	45	0	162	338
7:45 PM	0	0	0	0	0	3	89	37	0	129	36	22	6	1	64	14	71	32	0	117	310
Hourly Total	0	0	0	1	0	15	407	118	9	540	143	117	42	5	302	57	372	173	1	602	1444
8:00 PM	0	0	0	1	0	3	82	23	1	108	27	17	3	2	47	11	65	33	0	109	264
8:15 PM	0	0	0	2	0	4	69	19	1	92	30	14	7	2	51	20	94	27	0	141	284
8:30 PM	0	0	0	0	0	3	54	26	2	83	23	20	11	0	54	17	71	29	0	117	254
8:45 PM	0	0	0	0	0	3	52	15	0	70	19	10	9	0	38	12	84	46	0	142	250
Hourly Total	0	0	0	3	0	13	257	83	4	353	99	61	30	4	190	60	314	135	0	509	1052
9:00 PM	0	0	0	1	0	0	62	18	0	80	31	12	2	1	45	13	80	47	1	140	265
9:15 PM	0	0	0	0	0	1	38	22	2	61	20	17	11	3	48	19	67	29	0	115	224
9:30 PM	0	0	0	0	0	5	35	12	0	52	20	12	4	1	36	8	53	38	0	99	187
9:45 PM	1	0	0	1	1	0	44	14	0	58	22	4	2	2	28	14	42	20	0	76	163
Hourly Total	1	0	0	2	1	6	179	66	2	251	93	45	19	7	157	54	242	134	1	430	839
10:00 PM	0	0	0	2	0	1	33	10	0	44	20	10	2	3	32	15	57	22	0	94	170
10:15 PM	0	0	0	0	0	0	30	13	0	43	10	7	1	2	18	8	43	22	0	73	134
10:30 PM	0	0	0	1	0	3	26	10	2	39	18	8	5	0	31	9	21	13	0	43	113
10:45 PM	0	0	0	0	0	4	16	15	1	35	9	5	4	0	18	11	19	13	0	43	96
Hourly Total	0	0	0	3	0	8	105	48	3	161	57	30	12	5	99	43	140	70	0	253	513
11:00 PM	0	0	0	0	0	2	14	4	0	20	10	8	4	1	22	5	29	10	0	44	86
11:15 PM	0	0	0	0	0	0	19	12	5	31	10	3	3	2	16	3	19	9	0	31	78
11:30 PM	0	0	0	0	0	2	17	11	0	30	16	11	4	0	31	5	31	13	0	49	110
11:45 PM	0	0	0	0	0	0	16	8	1	24	13	6	4	0	23	4	17	5	0	26	73
Hourly Total	0	0	0	0	0	4	66	35	6	105	49	28	15	3	92	17	96	37	0	150	347
Grand Total	2	1	3	82	6	213	6795	3039	227	10047	2647	1810	1022	202	5479	1933	7429	2649	98	12011	27543
Approach %	33.3	16.7	50.0	-	-	2.1	67.6	30.2	-	-	48.3	33.0	18.7	-	-	16.1	61.9	22.1	-	-	-
Total %	0.0	0.0	0.0	-	0.0	0.8	24.7	11.0	-	36.5	9.6	6.6	3.7	-	19.9	7.0	27.0	9.6	-	43.6	-
Motorcycles	0	0	0	-	0	0	6	1	-	7	0	2	2	-	4	2	3	2	-	7	18
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.1	0.0	-	0.1	0.0	0.1	0.2	-	0.1	0.1	0.0	0.1	-	0.1	0.1
Cars & Light Goods	2	0	3	-	5	206	6646	2910	-	9762	2527	1777	1006	-	5310	1873	7264	2579	-	11716	26793
% Cars & Light Goods	100.0	0.0	100.0	-	83.3	96.7	97.8	95.8	-	97.2	95.5	98.2	98.4	-	96.9	96.9	97.8	97.4	-	97.5	97.3
Buses	0	0	0	-	0	0	55	67	-	122	69	13	4	-	86	40	59	40	-	139	347
% Buses	0.0	0.0	0.0	-	0.0	0.0	0.8	2.2	-	1.2	2.6	0.7	0.4	-	1.6	2.1	0.8	1.5	-	1.2	1.3
Single-Unit Trucks	0	1	0	-	1	0	67	49	-	116	37	13	10	-	60	9	78	19	-	106	283
% Single-Unit Trucks	0.0	100.0	0.0	-	16.7	0.0	1.0	1.6	-	1.2	1.4	0.7	1.0	-	1.1	0.5	1.0	0.7	-	0.9	1.0

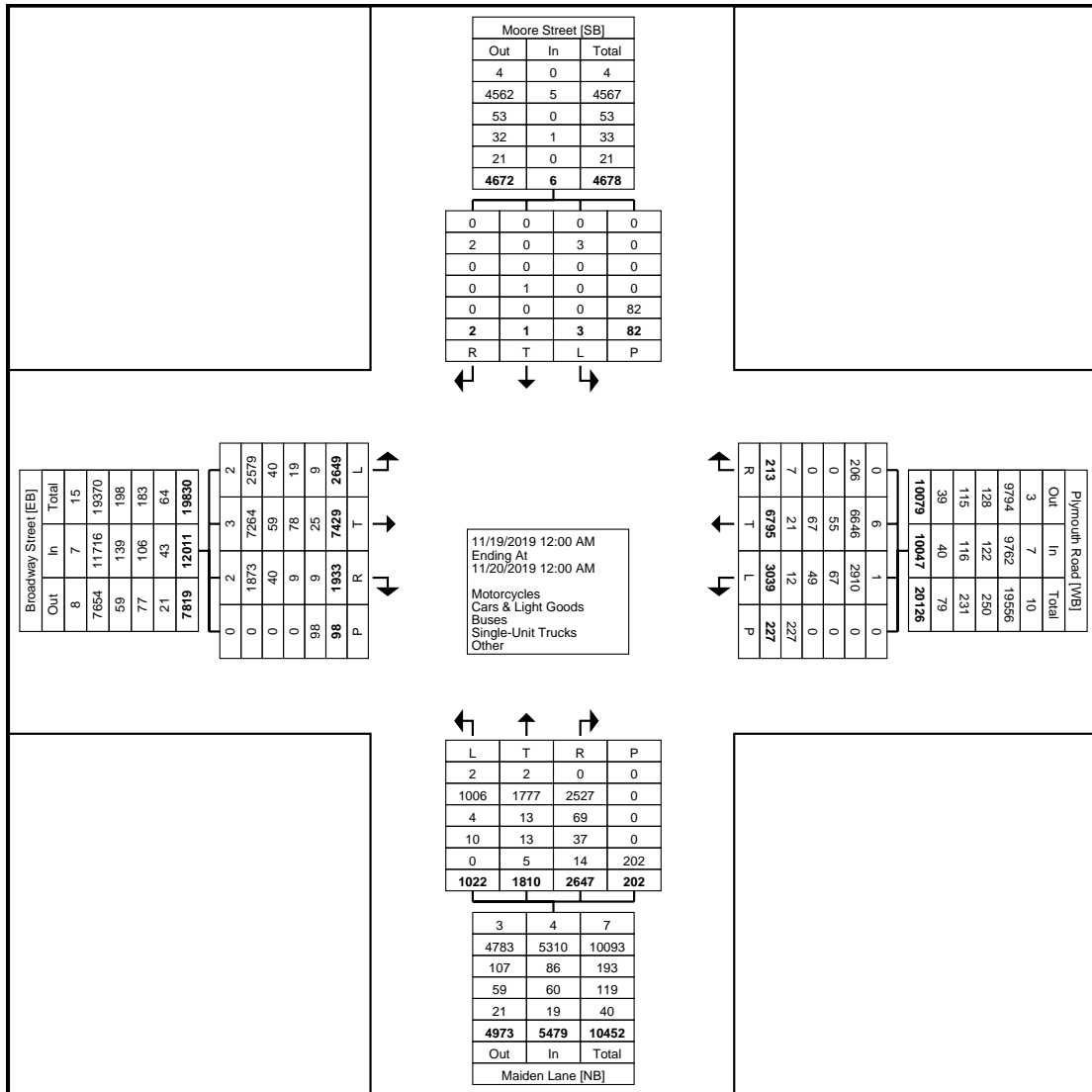
Articulated Trucks	0	0	0	-	0	1	14	11	-	26	12	1	0	-	13	2	16	2	-	20	59
% Articulated Trucks	0.0	0.0	0.0	-	0.0	0.5	0.2	0.4	-	0.3	0.5	0.1	0.0	-	0.2	0.1	0.2	0.1	-	0.2	0.2
Bicycles on Road	0	0	0	-	0	6	7	1	-	14	2	4	0	-	6	7	9	7	-	23	43
% Bicycles on Road	0.0	0.0	0.0	-	0.0	2.8	0.1	0.0	-	0.1	0.1	0.2	0.0	-	0.1	0.4	0.1	0.3	-	0.2	0.2
Bicycles on Crosswalk	-	-	-	7	-	-	-	-	17	-	-	-	-	30	-	-	-	-	13	-	-
% Bicycles on Crosswalk	-	-	-	8.5	-	-	-	-	7.5	-	-	-	-	14.9	-	-	-	-	13.3	-	-
Pedestrians	-	-	-	75	-	-	-	-	210	-	-	-	-	172	-	-	-	-	85	-	-
% Pedestrians	-	-	-	91.5	-	-	-	-	92.5	-	-	-	-	85.1	-	-	-	-	86.7	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5

Turning Movement Peak Hour Data (7:45 AM)

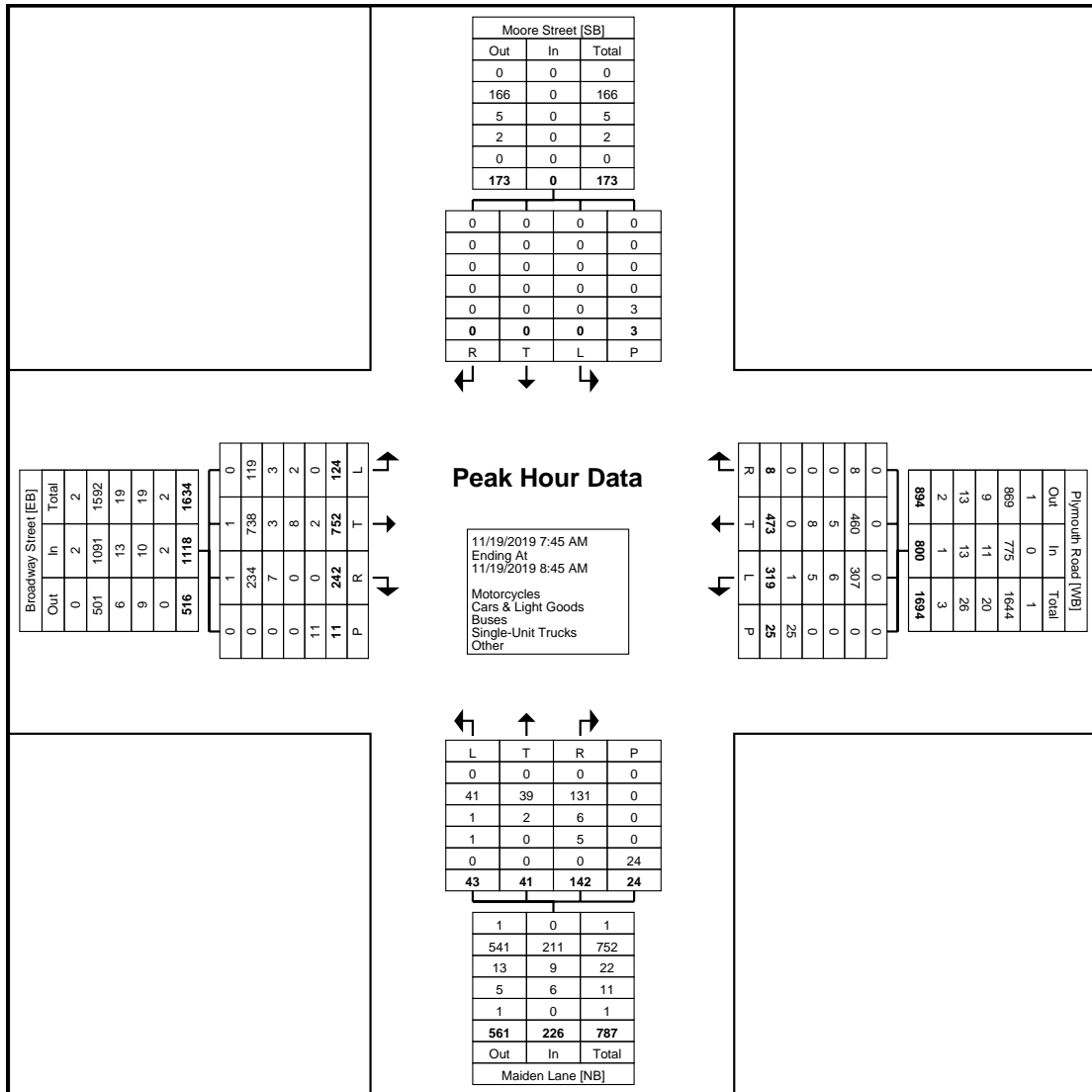
Start Time	Moore Street Southbound					Plymouth Road Westbound					Maiden Lane Northbound					Broadway Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
7:45 AM	0	0	0	2	0	2	115	88	7	205	51	13	10	8	74	61	205	39	5	305	584
8:00 AM	0	0	0	1	0	4	108	71	3	183	23	13	14	6	50	63	174	41	0	278	511
8:15 AM	0	0	0	0	0	0	124	77	5	201	29	8	11	2	48	66	201	23	1	290	539
8:30 AM	0	0	0	0	0	2	126	83	10	211	39	7	8	8	54	52	172	21	5	245	510
Total	0	0	0	3	0	8	473	319	25	800	142	41	43	24	226	242	752	124	11	1118	2144
Approach %	0.0	0.0	0.0	-	-	1.0	59.1	39.9	-	-	62.8	18.1	19.0	-	-	21.6	67.3	11.1	-	-	-
Total %	0.0	0.0	0.0	-	0.0	0.4	22.1	14.9	-	37.3	6.6	1.9	2.0	-	10.5	11.3	35.1	5.8	-	52.1	-
PHF	0.000	0.000	0.000	-	0.000	0.500	0.938	0.906	-	0.948	0.696	0.788	0.768	-	0.764	0.917	0.917	0.756	-	0.916	0.918
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	1	1	0	-	2	2
% Motorcycles	-	-	-	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.4	0.1	0.0	-	0.2	0.1
Cars & Light Goods	0	0	0	-	0	8	460	307	-	775	131	39	41	-	211	234	738	119	-	1091	2077
% Cars & Light Goods	-	-	-	-	-	100.0	97.3	96.2	-	96.9	92.3	95.1	95.3	-	93.4	96.7	98.1	96.0	-	97.6	96.9
Buses	0	0	0	-	0	0	5	6	-	11	6	2	1	-	9	7	3	3	-	13	33
% Buses	-	-	-	-	-	0.0	1.1	1.9	-	1.4	4.2	4.9	2.3	-	4.0	2.9	0.4	2.4	-	1.2	1.5
Single-Unit Trucks	0	0	0	-	0	0	8	5	-	13	5	0	1	-	6	0	8	2	-	10	29
% Single-Unit Trucks	-	-	-	-	-	0.0	1.7	1.6	-	1.6	3.5	0.0	2.3	-	2.7	0.0	1.1	1.6	-	0.9	1.4
Articulated Trucks	0	0	0	-	0	0	0	1	-	1	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	-	-	-	-	-	0.0	0.0	0.3	-	0.1	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	2	0	-	2	2
% Bicycles on Road	-	-	-	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.3	0.0	-	0.2	0.1
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	3	-	-	-	-	1	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	12.0	-	-	-	-	4.2	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	3	-	-	-	-	22	-	-	-	-	23	-	-	-	-	11	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	88.0	-	-	-	-	95.8	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6



Turning Movement Peak Hour Data Plot (7:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7

Turning Movement Peak Hour Data (11:45 AM)

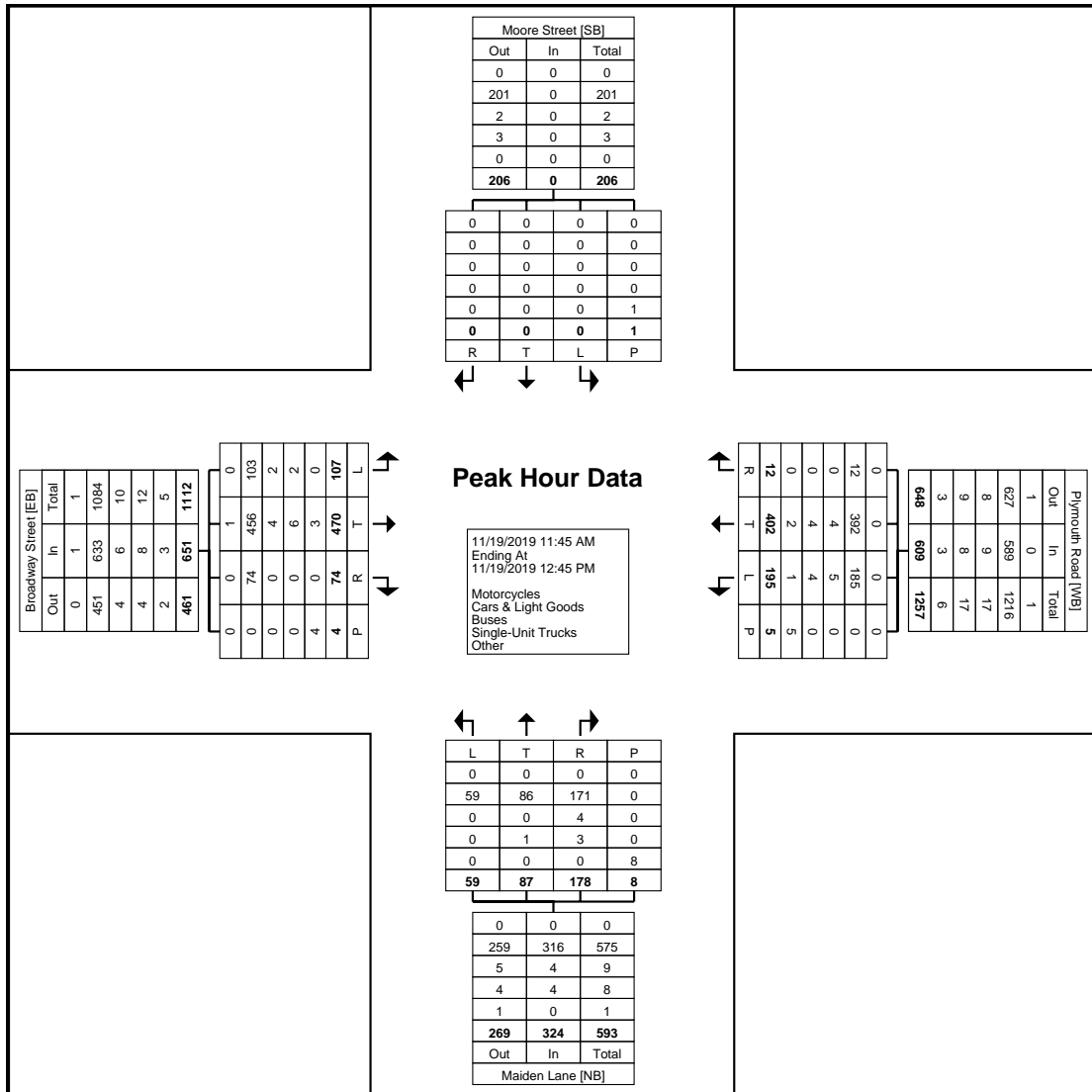
Start Time	Moore Street Southbound					Plymouth Road Westbound					Maiden Lane Northbound					Broadway Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
11:45 AM	0	0	0	0	0	2	100	58	2	160	40	19	13	3	72	26	102	35	1	163	395
12:00 PM	0	0	0	0	0	6	109	37	2	152	47	25	19	3	91	19	118	24	0	161	404
12:15 PM	0	0	0	1	0	3	96	46	1	145	47	17	14	0	78	14	123	22	2	159	382
12:30 PM	0	0	0	0	0	1	97	54	0	152	44	26	13	2	83	15	127	26	1	168	403
Total	0	0	0	1	0	12	402	195	5	609	178	87	59	8	324	74	470	107	4	651	1584
Approach %	0.0	0.0	0.0	-	-	2.0	66.0	32.0	-	-	54.9	26.9	18.2	-	-	11.4	72.2	16.4	-	-	-
Total %	0.0	0.0	0.0	-	0.0	0.8	25.4	12.3	-	38.4	11.2	5.5	3.7	-	20.5	4.7	29.7	6.8	-	41.1	-
PHF	0.000	0.000	0.000	-	0.000	0.500	0.922	0.841	-	0.952	0.947	0.837	0.776	-	0.890	0.712	0.925	0.764	-	0.969	0.980
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	1
% Motorcycles	-	-	-	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.2	0.0	-	0.2	0.1
Cars & Light Goods	0	0	0	-	0	12	392	185	-	589	171	86	59	-	316	74	456	103	-	633	1538
% Cars & Light Goods	-	-	-	-	-	100.0	97.5	94.9	-	96.7	96.1	98.9	100.0	-	97.5	100.0	97.0	96.3	-	97.2	97.1
Buses	0	0	0	-	0	0	4	5	-	9	4	0	0	-	4	0	4	2	-	6	19
% Buses	-	-	-	-	-	0.0	1.0	2.6	-	1.5	2.2	0.0	0.0	-	1.2	0.0	0.9	1.9	-	0.9	1.2
Single-Unit Trucks	0	0	0	-	0	0	4	4	-	8	3	1	0	-	4	0	6	2	-	8	20
% Single-Unit Trucks	-	-	-	-	-	0.0	1.0	2.1	-	1.3	1.7	1.1	0.0	-	1.2	0.0	1.3	1.9	-	1.2	1.3
Articulated Trucks	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	0	2	0	-	2	3
% Articulated Trucks	-	-	-	-	-	0.0	0.2	0.0	-	0.2	0.0	0.0	0.0	-	0.0	0.0	0.4	0.0	-	0.3	0.2
Bicycles on Road	0	0	0	-	0	0	1	1	-	2	0	0	0	-	0	0	1	0	-	1	3
% Bicycles on Road	-	-	-	-	-	0.0	0.2	0.5	-	0.3	0.0	0.0	0.0	-	0.0	0.0	0.2	0.0	-	0.2	0.2
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	3	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	0.0	-	-	-	-	37.5	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	1	-	-	-	-	5	-	-	-	-	5	-	-	-	-	4	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	62.5	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8



Turning Movement Peak Hour Data Plot (11:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 9

Turning Movement Peak Hour Data (5:00 PM)

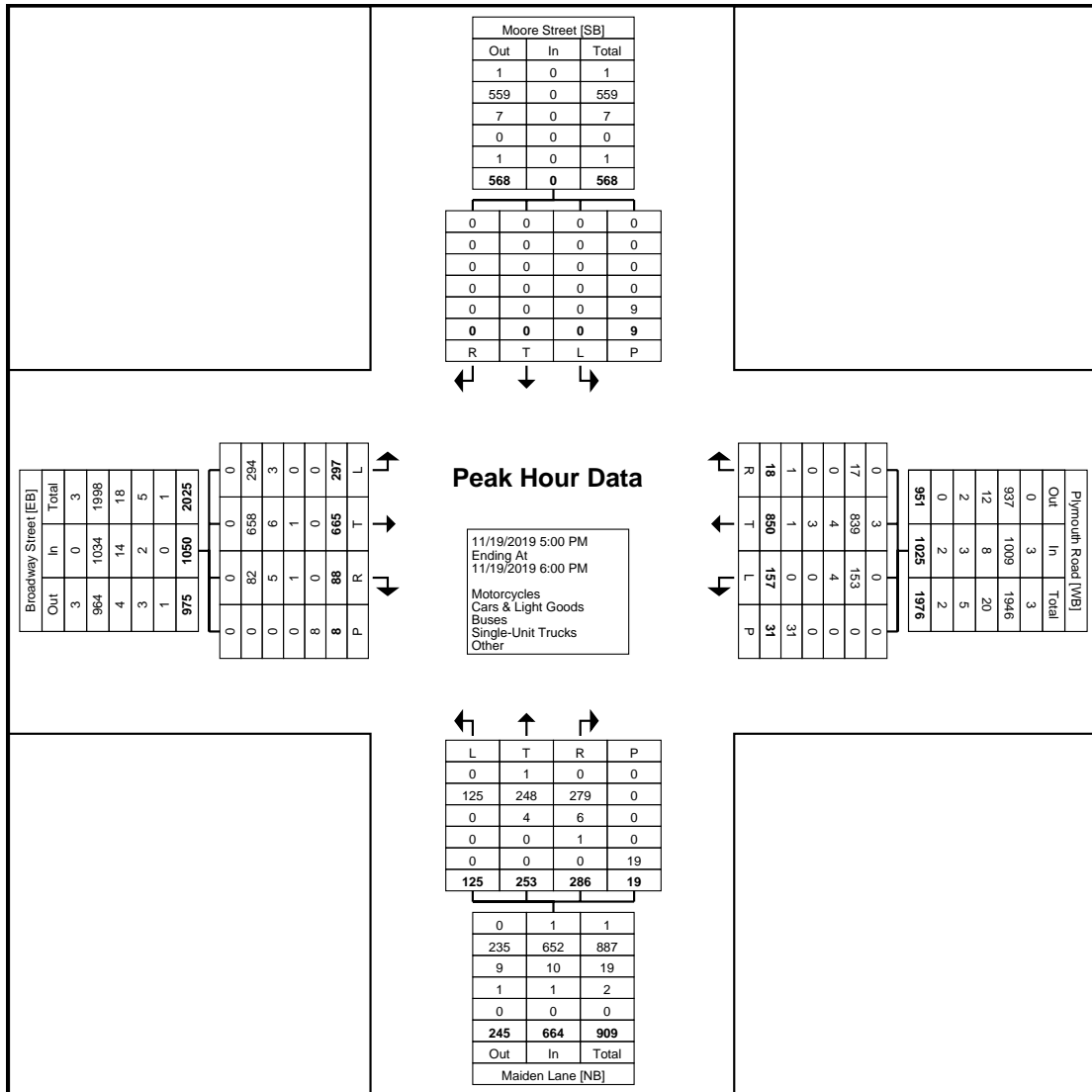
Start Time	Moore Street Southbound					Plymouth Road Westbound					Maiden Lane Northbound					Broadway Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
5:00 PM	0	0	0	2	0	4	214	41	7	259	78	72	44	6	194	12	137	71	1	220	673
5:15 PM	0	0	0	2	0	5	230	31	8	266	79	63	32	1	174	22	167	70	2	259	699
5:30 PM	0	0	0	2	0	5	185	44	7	234	70	59	22	5	151	22	191	91	4	304	689
5:45 PM	0	0	0	3	0	4	221	41	9	266	59	59	27	7	145	32	170	65	1	267	678
Total	0	0	0	9	0	18	850	157	31	1025	286	253	125	19	664	88	665	297	8	1050	2739
Approach %	0.0	0.0	0.0	-	-	1.8	82.9	15.3	-	-	43.1	38.1	18.8	-	-	8.4	63.3	28.3	-	-	-
Total %	0.0	0.0	0.0	-	0.0	0.7	31.0	5.7	-	37.4	10.4	9.2	4.6	-	24.2	3.2	24.3	10.8	-	38.3	-
PHF	0.000	0.000	0.000	-	0.000	0.900	0.924	0.892	-	0.963	0.905	0.878	0.710	-	0.856	0.688	0.870	0.816	-	0.863	0.980
Motorcycles	0	0	0	-	0	0	3	0	-	3	0	1	0	-	1	0	0	0	-	0	4
% Motorcycles	-	-	-	-	-	0.0	0.4	0.0	-	0.3	0.0	0.4	0.0	-	0.2	0.0	0.0	0.0	-	0.0	0.1
Cars & Light Goods	0	0	0	-	0	17	839	153	-	1009	279	248	125	-	652	82	658	294	-	1034	2695
% Cars & Light Goods	-	-	-	-	-	94.4	98.7	97.5	-	98.4	97.6	98.0	100.0	-	98.2	93.2	98.9	99.0	-	98.5	98.4
Buses	0	0	0	-	0	0	4	4	-	8	6	4	0	-	10	5	6	3	-	14	32
% Buses	-	-	-	-	-	0.0	0.5	2.5	-	0.8	2.1	1.6	0.0	-	1.5	5.7	0.9	1.0	-	1.3	1.2
Single-Unit Trucks	0	0	0	-	0	0	3	0	-	3	1	0	0	-	1	1	1	0	-	2	6
% Single-Unit Trucks	-	-	-	-	-	0.0	0.4	0.0	-	0.3	0.3	0.0	0.0	-	0.2	1.1	0.2	0.0	-	0.2	0.2
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	-	-	-	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	1	1	0	-	2	0	0	0	-	0	0	0	0	-	0	2
% Bicycles on Road	-	-	-	-	-	5.6	0.1	0.0	-	0.2	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.1
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	3	-	-	-	-	0	-	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	9.7	-	-	-	-	0.0	-	-	-	-	12.5	-	-
Pedestrians	-	-	-	9	-	-	-	-	28	-	-	-	-	19	-	-	-	-	7	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	90.3	-	-	-	-	100.0	-	-	-	-	87.5	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 10



Turning Movement Peak Hour Data Plot (5:00 PM)



Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU6H3
NE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name:
TMC_14Broadway &
Maiden_11-19-19
Site Code: TMC_14
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 11

TDC Traffic Comments: 24 hour video multi-modal intersection study includes premium vehicle classification turning movement count & automatic traffic recorder approach counts conducted during typical weekdays (Tuesday) from 12:00 AM-12:00 PM, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50. Signalized controlled intersection, push button ped. signals for all quadrants. VCU camera was located within NE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_14 Broadway & Maiden_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (12 AM-12 AM (+1))

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 726043, Location: 42.289773, -83.738371, Site Code: TMC_14 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Table with columns: Leg Direction, Time, Moore Street Southbound (R, T, L, U, App, Ped*), Plymouth Road Westbound (R, T, L, U, App, Ped*), Maiden Lane Northbound (R, T, L, U, App, Ped*), Broadway Street Eastbound (R, T, L, U, App, Ped*), and Int. Rows represent 15-minute intervals from 12:00 AM to 2:15 PM.

Leg Direction	Moore Street Southbound							Plymouth Road Westbound							Maiden Lane Northbound							Broadway Street Eastbound							Int
Time	R	T	L	U	App	Ped*		R	T	L	U	App	Ped*		R	T	L	U	App	Ped*		R	T	L	U	App	Ped*		Int
2:30PM	0	0	0	1	1	4		10	85	43	0	138	4		48	40	18	0	106	1		21	104	62	0	187	3		432
2:45PM	0	0	0	0	0	1		5	101	50	0	156	2		39	38	25	0	102	1		22	98	38	0	158	1		416
Hourly Total	0	0	0	1	1	8		20	376	177	0	573	10		155	140	72	0	367	9		77	367	174	0	618	8		1559
3:00PM	0	0	0	0	0	2		7	95	33	0	135	5		56	47	19	0	122	2		21	115	75	0	211	3		468
3:15PM	0	0	0	0	0	2		6	153	38	0	197	4		57	56	22	0	135	0		14	125	70	0	209	0		541
3:30PM	0	0	0	0	0	2		2	130	33	0	165	1		47	62	37	0	146	2		15	140	73	0	228	1		539
3:45PM	0	0	0	0	0	1		0	145	31	0	176	3		81	53	40	0	174	2		18	127	46	0	191	1		541
Hourly Total	0	0	0	0	0	7		15	523	135	0	673	13		241	218	118	0	577	6		68	507	264	0	839	5		2089
4:00PM	0	0	1	0	1	0		6	139	38	0	183	5		58	63	32	0	153	2		15	135	82	0	232	2		569
4:15PM	0	0	0	0	0	1		1	177	38	0	216	5		64	69	44	0	177	5		17	167	102	0	286	1		679
4:30PM	0	0	0	0	0	1		5	175	30	0	210	13		73	70	36	0	179	8		22	153	93	0	268	1		657
4:45PM	0	0	1	0	1	4		7	160	34	0	201	11		83	86	40	0	209	5		16	132	101	0	249	4		660
Hourly Total	0	0	2	0	2	6		19	651	140	0	810	34		278	288	152	0	718	20		70	587	378	0	1035	8		2565
5:00PM	0	0	0	0	0	2		4	214	41	0	259	7		78	72	44	0	194	6		12	137	71	0	220	1		673
5:15PM	0	0	0	0	0	2		5	230	31	0	266	8		79	63	32	0	174	1		22	167	70	0	259	2		699
5:30PM	0	0	0	0	0	2		5	185	44	0	234	7		70	59	22	0	151	5		22	191	91	0	304	4		689
5:45PM	0	0	0	0	0	3		4	221	41	0	266	9		59	59	27	0	145	7		32	170	65	0	267	1		678
Hourly Total	0	0	0	0	0	9		18	850	157	0	1025	31		286	253	125	0	664	19		88	665	297	0	1050	8		2739
6:00PM	0	0	0	0	0	3		5	149	33	0	187	5		39	37	20	0	96	4		21	121	61	0	203	1		486
6:15PM	0	0	0	0	0	2		6	130	43	0	179	4		45	30	16	0	91	4		20	143	52	0	215	1		485
6:30PM	0	0	0	0	0	1		4	123	44	0	171	2		50	18	15	0	83	9		33	108	43	0	184	1		438
6:45PM	0	0	0	0	0	1		4	117	31	0	152	3		38	27	23	0	88	2		30	89	52	0	171	2		411
Hourly Total	0	0	0	0	0	7		19	519	151	0	689	14		172	112	74	0	358	19		104	461	208	0	773	5		1820
7:00PM	0	0	0	0	0	1		4	116	22	0	142	1		36	27	9	0	72	3		12	116	53	0	181	0		395
7:15PM	0	0	0	0	0	0		4	126	32	0	162	3		45	38	14	0	97	0		14	85	43	0	142	1		401
7:30PM	0	0	0	0	0	0		4	76	27	0	107	5		26	30	13	0	69	1		17	100	45	0	162	0		338
7:45PM	0	0	0	0	0	0		3	89	37	0	129	0		36	22	6	0	64	1		14	71	32	0	117	0		310
Hourly Total	0	0	0	0	0	1		15	407	118	0	540	9		143	117	42	0	302	5		57	372	173	0	602	1		1444
8:00PM	0	0	0	0	0	1		3	82	23	0	108	1		27	17	3	0	47	2		11	65	33	0	109	0		264
8:15PM	0	0	0	0	0	2		4	69	19	0	92	1		30	14	7	0	51	2		20	94	27	0	141	0		284
8:30PM	0	0	0	0	0	0		3	54	26	0	83	2		23	20	11	0	54	0		17	71	29	0	117	0		254
8:45PM	0	0	0	0	0	0		3	52	15	0	70	0		19	10	9	0	38	0		12	84	46	0	142	0		250
Hourly Total	0	0	0	0	0	3		13	257	83	0	353	4		99	61	30	0	190	4		60	314	135	0	509	0		1052
9:00PM	0	0	0	0	0	1		0	62	18	0	80	0		31	12	2	0	45	1		13	80	47	0	140	1		265
9:15PM	0	0	0	0	0	0		1	38	22	0	61	2		20	17	11	0	48	3		19	67	29	0	115	0		224
9:30PM	0	0	0	0	0	0		5	35	12	0	52	0		20	12	4	0	36	1		8	53	38	0	99	0		187
9:45PM	1	0	0	0	1	1		0	44	14	0	58	0		22	4	2	0	28	2		14	42	20	0	76	0		163
Hourly Total	1	0	0	0	1	2		6	179	66	0	251	2		93	45	19	0	157	7		54	242	134	0	430	1		839
10:00PM	0	0	0	0	0	2		1	33	10	0	44	0		20	10	2	0	32	3		15	57	22	0	94	0		170
10:15PM	0	0	0	0	0	0		0	30	13	0	43	0		10	7	1	0	18	2		8	43	22	0	73	0		134
10:30PM	0	0	0	0	0	1		3	26	10	0	39	2		18	8	5	0	31	0		9	21	13	0	43	0		113
10:45PM	0	0	0	0	0	0		4	16	15	0	35	1		9	5	4	0	18	0		11	19	13	0	43	0		96
Hourly Total	0	0	0	0	0	3		8	105	48	0	161	3		57	30	12	0	99	5		43	140	70	0	253	0		513
11:00PM	0	0	0	0	0	0		2	14	4	0	20	0		10	8	4	0	22	1		5	29	10	0	44	0		86
11:15PM	0	0	0	0	0	0		0	19	12	0	31	5		10	3	3	0	16	2		3	19	9	0	31	0		78
11:30PM	0	0	0	0	0	0		2	17	11	0	30	0		16	11	4	0	31	0		5	31	13	0	49	0		110
11:45PM	0	0	0	0	0	0		0	16	8	0	24	1		13	6	4	0	23	0		4	17	5	0	26	0		73
Hourly Total	0	0	0	0	0	0		4	66	35	0	105	6		49	28	15	0	92	3		17	96	37	0	150	0		347
Total	2	1	2	1	6	82		213	6795	3039	0	10047	227	2647	1810	1022	0	5479	202	1933	7429	2649	0	12011	98	27543			
% Approach	33.3%	16.7%	33.3%	16.7%	-	-		2.1%	67.6%	30.2%	0%	-	-	48.3%	33.0%	18.7%	0%	-	-	16.1%	61.9%	22.1%	0%	-	-	-			
% Total	0%	0%	0%	0%	0%	0%		0.8%	24.7%	11.0%	0%	36.5%	-	9.6%	6.6%	3.7%	0%	19.9%	-	7.0%	27.0%	9.6%	0%	43.6%	-	-			
Motorcycles	0	0	0	0	0	0		0	6	1	0	7	-	0	2	2	0	4	-	2	3	2	0	7	-	18			
% Motorcycles	0%	0%	0%	0%	0%	-		0%	0.1%	0%	0%	0.1%	-	0%	0.1%	0.2%	0%	0.1%	-	0.1%	0%	0.1%	0%	0.1%	-	0.1%			
Lights	2	0	2	1	5	-		206	6646	2910	0	9762	-	2527	1777	1006	0	5310	-	1873	7264	2579	0	11716	-	26793			
% Lights	100%	0%	100%	100%	83.3%	-		96.7%	97.8%	95.8%	0%	97.2%	-	95.5%	98.2%	98.4%	0%	96.9%	-	96.9%	97.8%	97.4%	0%	97.5%	-	97.3%			
Single-Unit Trucks	0	1	0	0	1	-		0	67	49	0	116	-	37															

TMC_14 Broadway & Maiden_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (12 AM-12 AM (+1))

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 726043, Location: 42.289773, -83.738371, Site Code: TMC_14 Traffic Data Collection, LLC

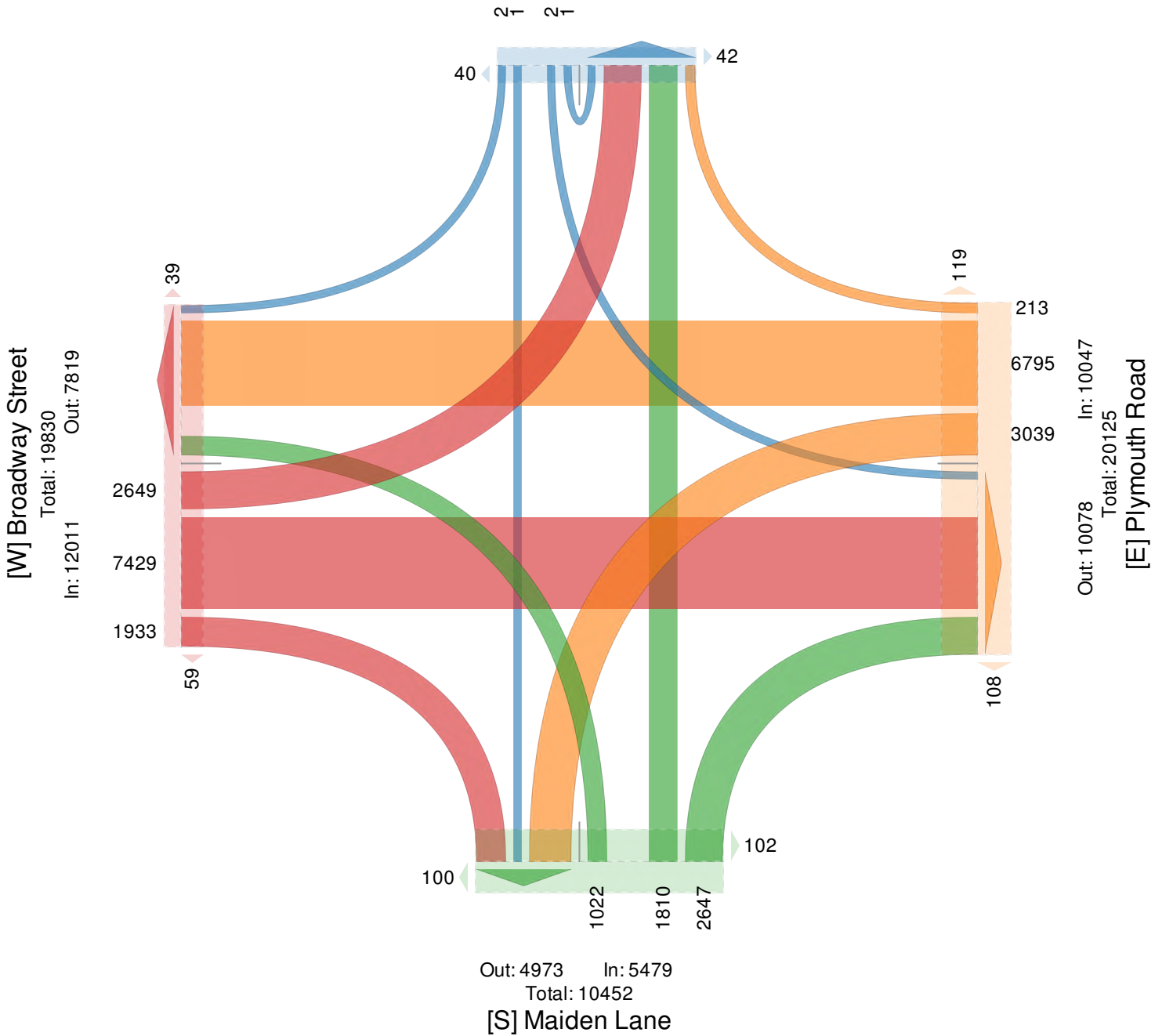


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Moore Street

Total: 4679

In: 6 Out: 4673



TMC_14 Broadway & Maiden_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 726043, Location: 42.289773, -83.738371, Site Code: TMC_14 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Moore Street Southbound						Plymouth Road Westbound						Maiden Lane Northbound						Broadway Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 7:45AM	0	0	0	0	0	2	2	115	88	0	205	7	51	13	10	0	74	8	61	205	39	0	305	5	584
8:00AM	0	0	0	0	0	1	4	108	71	0	183	3	23	13	14	0	50	6	63	174	41	0	278	0	511
8:15AM	0	0	0	0	0	0	0	124	77	0	201	5	29	8	11	0	48	2	66	201	23	0	290	1	539
8:30AM	0	0	0	0	0	0	2	126	83	0	211	10	39	7	8	0	54	8	52	172	21	0	245	5	510
Total	0	0	0	0	0	3	8	473	319	0	800	25	142	41	43	0	226	24	242	752	124	0	1118	11	2144
% Approach	0%	0%	0%	0%	0%	-	1.0%	59.1%	39.9%	0%	-	-	62.8%	18.1%	19.0%	0%	-	-	21.6%	67.3%	11.1%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	-	0.4%	22.1%	14.9%	0%	37.3%	-	6.6%	1.9%	2.0%	0%	10.5%	-	11.3%	35.1%	5.8%	0%	52.1%	-	-
PHF	-	-	-	-	-	-	0.500	0.938	0.906	-	0.948	-	0.696	0.788	0.768	-	0.764	-	0.917	0.919	0.756	-	0.918	-	0.919
Motorcycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	2
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.4%	0.1%	0%	0%	0.2%	-	0.1%
Lights	0	0	0	0	0	0	8	460	307	0	775	0	131	39	41	0	211	0	234	738	119	0	1091	0	2077
% Lights	0%	0%	0%	0%	0%	-	100%	97.3%	96.2%	0%	96.9%	-	92.3%	95.1%	95.3%	0%	93.4%	-	96.7%	98.1%	96.0%	0%	97.6%	-	96.9%
Single-Unit Trucks	0	0	0	0	0	0	0	8	5	0	13	0	5	0	1	0	6	0	0	8	2	0	10	0	29
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	1.7%	1.6%	0%	1.6%	-	3.5%	0%	2.3%	0%	2.7%	-	0%	1.1%	1.6%	0%	0.9%	-	1.4%
Articulated Trucks	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0.3%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	0	0	0	5	6	0	11	0	6	2	1	0	9	0	7	3	3	0	13	0	33
% Buses	0%	0%	0%	0%	0%	-	0%	1.1%	1.9%	0%	1.4%	-	4.2%	4.9%	2.3%	0%	4.0%	-	2.9%	0.4%	2.4%	0%	1.2%	-	1.5%
Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.2%	-	0.1%
Pedestrians	-	-	-	-	-	3	-	-	-	-	-	22	-	-	-	-	-	23	-	-	-	-	-	11	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	88.0%	-	-	-	-	-	95.8%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	12.0%	-	-	-	-	-	4.2%	-	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_14 Broadway & Maiden_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 726043, Location: 42.289773, -83.738371, Site Code: TMC_14 Traffic Data Collection, LLC

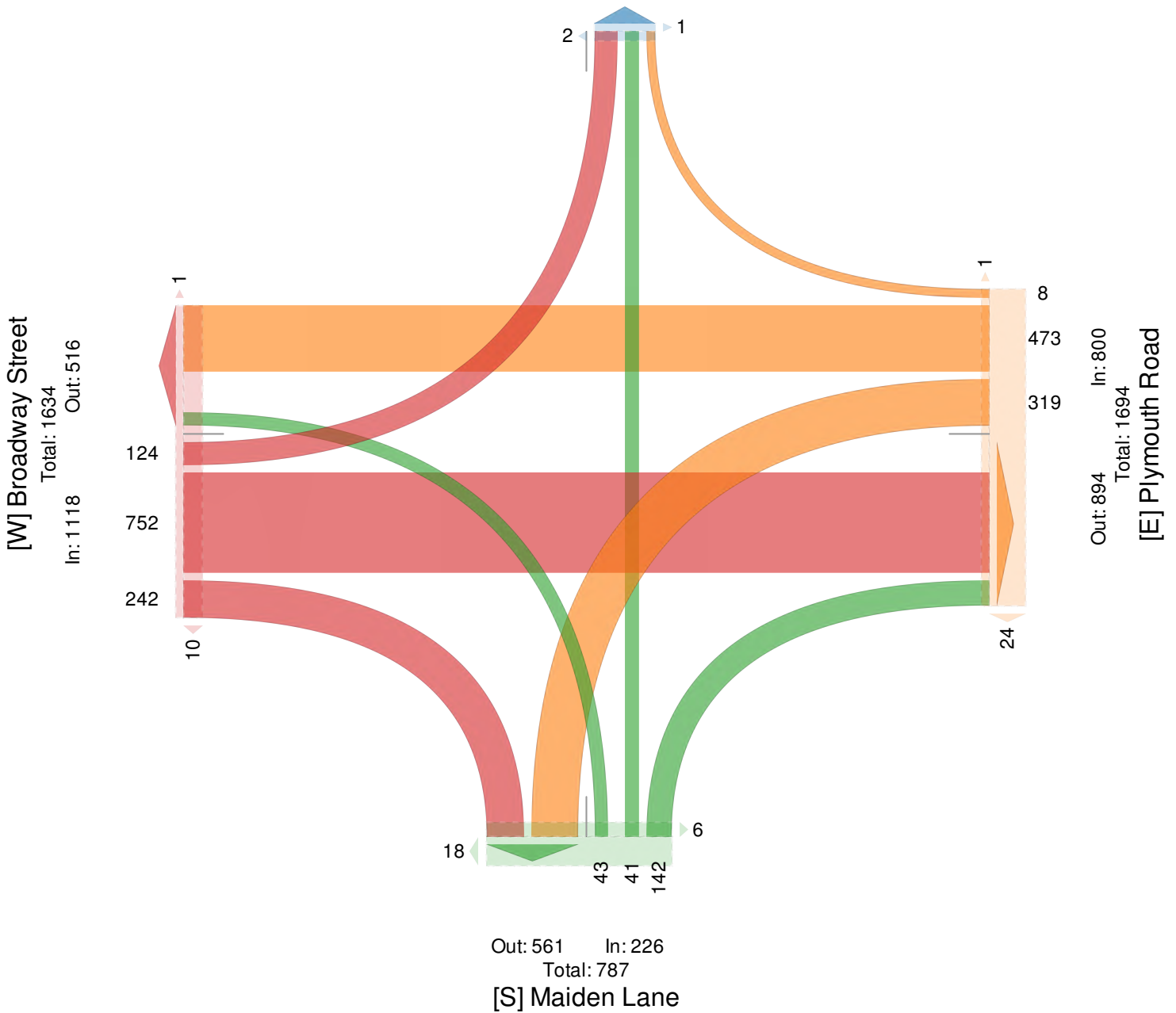


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Moore Street

Total: 173

In: 0 Out: 173



TMC_14 Broadway & Maiden_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 726043, Location: 42.289773, -83.738371, Site Code: TMC_14 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Moore Street Southbound						Plymouth Road Westbound						Maiden Lane Northbound						Broadway Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 11:45AM	0	0	0	0	0	0	2	100	58	0	160	2	40	19	13	0	72	3	26	102	35	0	163	1	395
12:00PM	0	0	0	0	0	0	6	109	37	0	152	2	47	25	19	0	91	3	19	118	24	0	161	0	404
12:15PM	0	0	0	0	0	1	3	96	46	0	145	1	47	17	14	0	78	0	14	123	22	0	159	2	382
12:30PM	0	0	0	0	0	0	1	97	54	0	152	0	44	26	13	0	83	2	15	127	26	0	168	1	403
Total	0	0	0	0	0	1	12	402	195	0	609	5	178	87	59	0	324	8	74	470	107	0	651	4	1584
% Approach	0%	0%	0%	0%	0%	-	2.0%	66.0%	32.0%	0%	-	-	54.9%	26.9%	18.2%	0%	-	-	11.4%	72.2%	16.4%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	-	0.8%	25.4%	12.3%	0%	38.4%	-	11.2%	5.5%	3.7%	0%	20.5%	-	4.7%	29.7%	6.8%	0%	41.1%	-	-
PHF	-	-	-	-	-	-	0.500	0.920	0.836	-	0.954	-	0.947	0.837	0.776	-	0.890	-	0.712	0.923	0.764	-	0.967	-	0.981
Motorcycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.2%	0%	0%	0.2%	0%	0.1%
Lights	0	0	0	0	0	0	12	392	185	0	589	0	171	86	59	0	316	0	74	456	103	0	633	0	1538
% Lights	0%	0%	0%	0%	0%	-	100%	97.5%	94.9%	0%	96.7%	-	96.1%	98.9%	100%	0%	97.5%	-	100%	97.0%	96.3%	0%	97.2%	-	97.1%
Single-Unit Trucks	0	0	0	0	0	0	0	4	4	0	8	0	3	1	0	0	4	0	0	6	2	0	8	0	20
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	1.0%	2.1%	0%	1.3%	-	1.7%	1.1%	0%	0%	1.2%	-	0%	1.3%	1.9%	0%	1.2%	-	1.3%
Articulated Trucks	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	3
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.3%	-	0.2%
Buses	0	0	0	0	0	0	0	4	5	0	9	0	4	0	0	0	4	0	0	4	2	0	6	0	19
% Buses	0%	0%	0%	0%	0%	-	0%	1.0%	2.6%	0%	1.5%	-	2.2%	0%	0%	0%	1.2%	-	0%	0.9%	1.9%	0%	0.9%	-	1.2%
Bicycles on Road	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	3
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0.2%	0.5%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0.2%
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	5	-	-	-	-	-	5	-	-	-	-	-	4	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	62.5%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	3	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	37.5%	-	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_14 Broadway & Maiden_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 726043, Location: 42.289773, -83.738371, Site Code: TMC_14 Traffic Data Collection, LLC

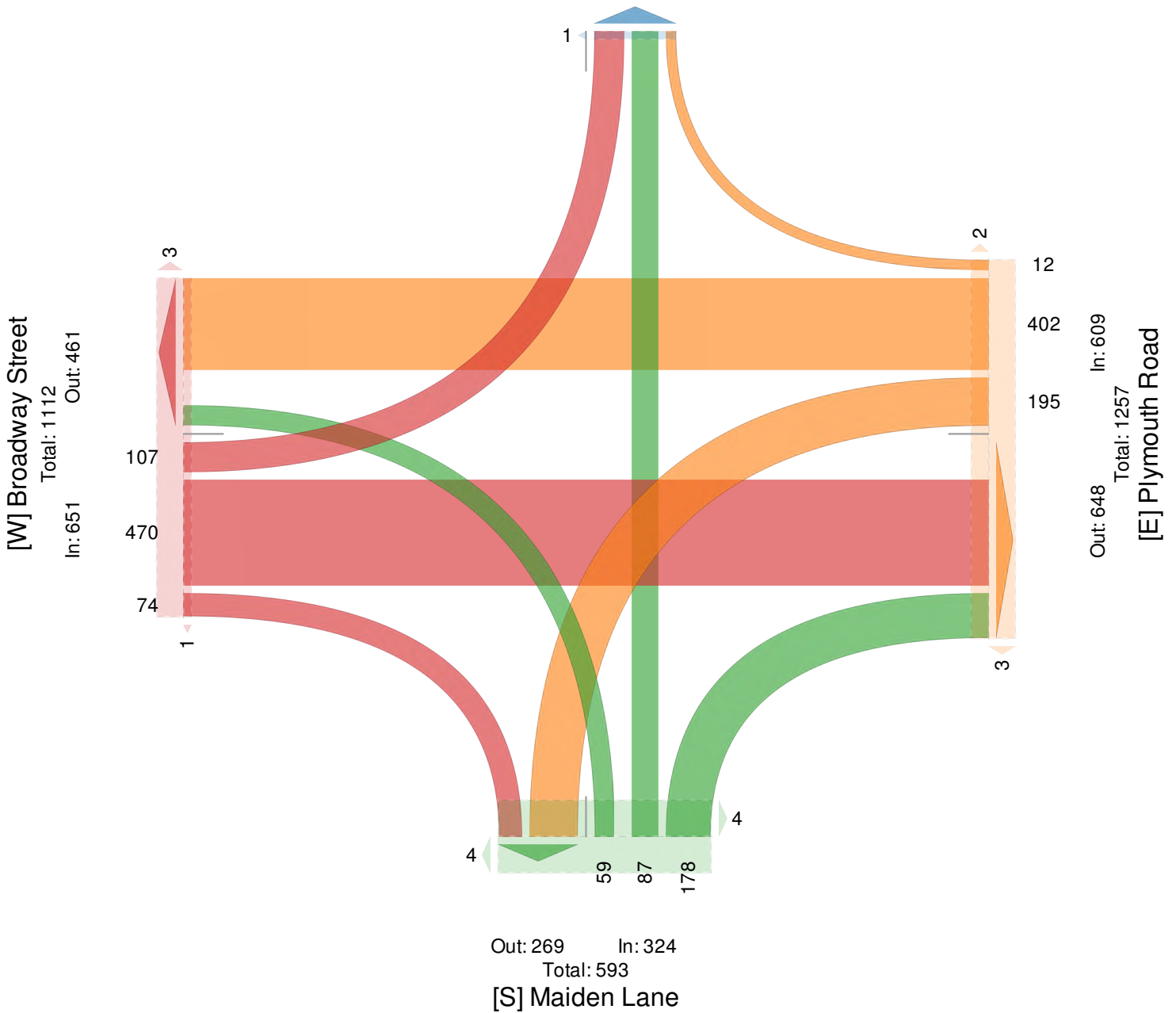


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Moore Street

Total: 206

In: 0 Out: 206



TMC_14 Broadway & Maiden_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 726043, Location: 42.289773, -83.738371, Site Code: TMC_14 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Moore Street Southbound						Plymouth Road Westbound						Maiden Lane Northbound						Broadway Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 5:00PM	0	0	0	0	0	2	4	214	41	0	259	7	78	72	44	0	194	6	12	137	71	0	220	1	673
5:15PM	0	0	0	0	0	2	5	230	31	0	266	8	79	63	32	0	174	1	22	167	70	0	259	2	699
5:30PM	0	0	0	0	0	2	5	185	44	0	234	7	70	59	22	0	151	5	22	191	91	0	304	4	689
5:45PM	0	0	0	0	0	3	4	221	41	0	266	9	59	59	27	0	145	7	32	170	65	0	267	1	678
Total	0	0	0	0	0	9	18	850	157	0	1025	31	286	253	125	0	664	19	88	665	297	0	1050	8	2739
% Approach	0%	0%	0%	0%	0%	-	1.8%	82.9%	15.3%	0%	-	-	43.1%	38.1%	18.8%	0%	-	-	8.4%	63.3%	28.3%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	-	0.7%	31.0%	5.7%	0%	37.4%	-	10.4%	9.2%	4.6%	0%	24.2%	-	3.2%	24.3%	10.8%	0%	38.3%	-	-
PHF	-	-	-	-	-	-	0.850	0.927	0.892	-	0.961	-	0.905	0.878	0.710	-	0.856	-	0.688	0.870	0.816	-	0.863	-	0.980
Motorcycles	0	0	0	0	0	0	0	3	0	0	3	-	0	1	0	0	1	-	0	0	0	0	0	-	4
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.3%	-	0%	0.4%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.1%
Lights	0	0	0	0	0	-	17	839	153	0	1009	-	279	248	125	0	652	-	82	658	294	0	1034	-	2695
% Lights	0%	0%	0%	0%	0%	-	94.4%	98.7%	97.5%	0%	98.4%	-	97.6%	98.0%	100%	0%	98.2%	-	93.2%	98.9%	99.0%	0%	98.5%	-	98.4%
Single-Unit Trucks	0	0	0	0	0	-	0	3	0	0	3	-	1	0	0	0	1	-	1	1	0	0	2	-	6
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.3%	-	0.3%	0%	0%	0%	0.2%	-	1.1%	0.2%	0%	0%	0.2%	-	0.2%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	0	-	0	4	4	0	8	-	6	4	0	0	10	-	5	6	3	0	14	-	32
% Buses	0%	0%	0%	0%	0%	-	0%	0.5%	2.5%	0%	0.8%	-	2.1%	1.6%	0%	0%	1.5%	-	5.7%	0.9%	1.0%	0%	1.3%	-	1.2%
Bicycles on Road	0	0	0	0	0	-	1	1	0	0	2	-	0	0	0	0	0	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	5.6%	0.1%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	9	-	-	-	-	-	28	-	-	-	-	-	19	-	-	-	-	-	7	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	90.3%	-	-	-	-	-	100%	-	-	-	-	-	87.5%	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	3	-	-	-	-	-	0	-	-	-	-	-	1	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	9.7%	-	-	-	-	-	0%	-	-	-	-	-	12.5%	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_14 Broadway & Maiden_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 726043, Location: 42.289773, -83.738371, Site Code: TMC_14 Traffic Data Collection, LLC

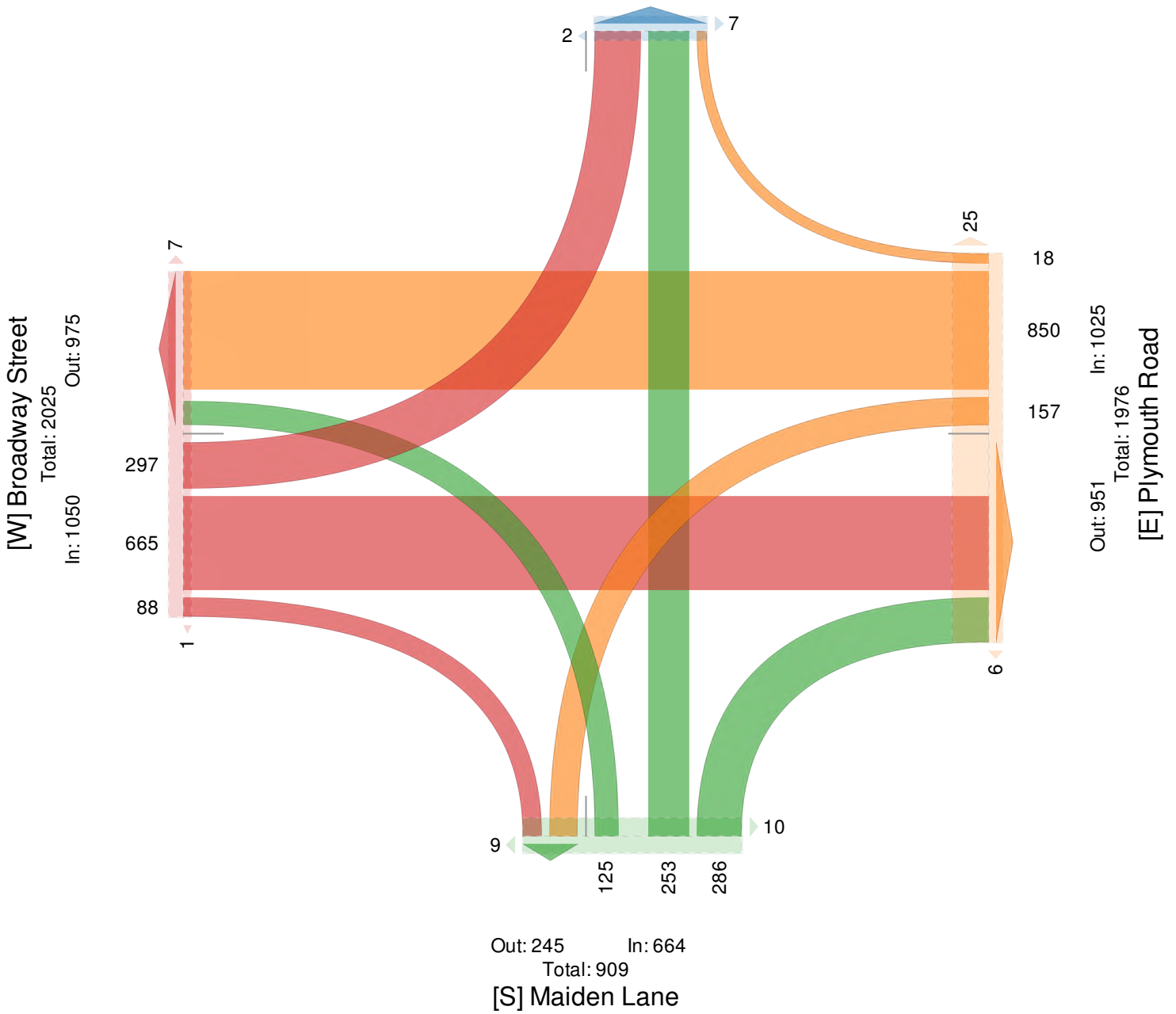


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Moore Street

Total: 568

In: 0 Out: 568





Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61A
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_15
 Broadway & Wall_11-19-19
 Site Code: TMC_15
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Broadway Party Store Southbound					Broadway Street Westbound					Wall Street Northbound					Broadway Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
6:00 AM	1	0	0	0	1	0	15	0	0	15	0	0	0	1	0	22	67	0	0	89	105
6:15 AM	0	0	1	1	1	1	21	1	0	23	1	0	0	0	1	37	99	0	0	136	161
6:30 AM	0	0	0	0	0	0	36	2	2	38	0	0	0	4	0	47	88	0	0	135	173
6:45 AM	0	0	0	1	0	0	31	0	0	31	1	0	0	1	1	55	129	0	0	184	216
Hourly Total	1	0	1	2	2	1	103	3	2	107	2	0	0	6	2	161	383	0	0	544	655
7:00 AM	0	0	0	0	0	0	57	1	0	58	0	0	1	4	1	73	112	0	0	185	244
7:15 AM	0	0	0	0	0	0	70	1	0	71	2	0	0	0	2	104	146	0	0	250	323
7:30 AM	0	0	0	0	0	0	104	0	0	104	4	0	1	1	5	74	196	0	0	270	379
7:45 AM	0	0	0	0	0	0	124	0	1	124	2	0	1	6	3	120	261	0	0	381	508
Hourly Total	0	0	0	0	0	0	355	2	1	357	8	0	3	11	11	371	715	0	0	1086	1454
8:00 AM	0	1	0	1	1	1	120	3	0	124	4	0	1	6	5	73	277	0	0	350	480
8:15 AM	1	0	0	3	1	0	137	1	1	138	5	0	0	3	5	100	294	0	0	394	538
8:30 AM	1	0	0	4	1	0	131	1	0	132	11	0	10	3	21	76	250	0	0	326	480
8:45 AM	0	0	0	0	0	0	145	0	1	145	9	0	2	3	11	91	282	0	0	373	529
Hourly Total	2	1	0	8	3	1	533	5	2	539	29	0	13	15	42	340	1103	0	0	1443	2027
9:00 AM	2	0	1	0	3	0	136	0	0	136	10	0	4	3	14	49	218	0	0	267	420
9:15 AM	1	0	0	1	1	0	108	0	0	108	9	0	4	4	13	41	153	0	0	194	316
9:30 AM	0	0	0	4	0	0	90	0	1	90	5	1	3	3	9	31	163	0	0	194	293
9:45 AM	0	0	0	4	0	0	100	2	0	102	10	0	4	2	14	30	152	1	0	183	299
Hourly Total	3	0	1	9	4	0	434	2	1	436	34	1	15	12	50	151	686	1	0	838	1328
10:00 AM	2	0	0	1	2	0	99	0	1	99	8	0	7	3	15	34	154	1	0	189	305
10:15 AM	0	0	0	2	0	1	78	0	2	79	12	0	4	6	16	34	151	1	0	186	281
10:30 AM	0	0	0	3	0	0	104	0	0	104	9	0	7	2	16	31	128	0	0	159	279
10:45 AM	0	0	0	1	0	0	100	3	1	103	6	0	5	4	11	17	118	0	0	135	249
Hourly Total	2	0	0	7	2	1	381	3	4	385	35	0	23	15	58	116	551	2	0	669	1114
11:00 AM	1	0	0	3	1	0	87	0	0	87	10	0	2	1	12	18	116	0	0	134	234
11:15 AM	2	0	0	0	2	0	98	2	0	100	9	0	9	1	18	22	154	0	1	176	296
11:30 AM	2	0	1	2	3	0	113	0	1	113	8	0	7	2	15	10	153	1	0	164	295
11:45 AM	0	0	2	2	2	0	114	0	0	114	7	0	5	3	12	26	151	0	0	177	305
Hourly Total	5	0	3	7	8	0	412	2	1	414	34	0	23	7	57	76	574	1	1	651	1130
12:00 PM	0	0	0	0	0	3	127	0	0	130	6	0	8	5	14	13	151	0	0	164	308
12:15 PM	0	0	0	4	0	0	109	0	0	109	11	0	5	0	16	22	140	0	0	162	287
12:30 PM	3	0	0	0	3	0	108	1	2	109	10	0	3	2	13	19	154	2	3	175	300
12:45 PM	2	0	1	2	3	0	100	6	1	106	7	0	5	3	12	26	142	1	0	169	290
Hourly Total	5	0	1	6	6	3	444	7	3	454	34	0	21	10	55	80	587	3	3	670	1185
1:00 PM	3	0	0	1	3	0	98	1	0	99	6	1	1	1	8	18	160	0	0	178	288
1:15 PM	0	0	1	1	1	0	93	1	2	94	7	0	3	3	10	23	147	1	0	171	276
1:30 PM	2	0	1	2	3	0	79	0	1	79	14	0	3	6	17	25	135	2	1	162	261
1:45 PM	1	0	0	1	1	0	97	0	0	97	13	0	4	0	17	22	123	0	0	145	260
Hourly Total	6	0	2	5	8	0	367	2	3	369	40	1	11	10	52	88	565	3	1	656	1085
2:00 PM	0	0	0	0	0	0	116	0	0	116	8	0	8	3	16	19	117	0	0	136	268
2:15 PM	0	0	1	2	1	0	104	0	0	104	7	0	5	1	12	27	140	1	0	168	285
2:30 PM	1	0	0	1	1	0	102	0	0	102	13	0	5	2	18	33	169	0	0	202	323
2:45 PM	0	0	0	2	0	0	123	1	0	124	12	0	2	1	14	26	152	0	0	178	316
Hourly Total	1	0	1	5	2	0	445	1	0	446	40	0	20	7	60	105	578	1	0	684	1192
3:00 PM	1	0	1	0	2	0	113	0	0	113	13	0	6	2	19	18	199	0	0	217	351
3:15 PM	0	0	0	1	0	0	176	0	1	176	15	1	14	0	30	24	178	1	0	203	409
3:30 PM	0	0	0	3	0	0	167	1	0	168	20	0	15	2	35	22	198	1	0	221	424
3:45 PM	0	0	0	2	0	0	180	1	0	181	23	1	6	1	30	17	167	0	0	184	395
Hourly Total	1	0	1	6	2	0	636	2	1	638	71	2	41	5	114	81	742	2	0	825	1579
4:00 PM	1	0	0	3	1	0	172	0	0	172	29	0	4	0	33	13	211	1	0	225	431
4:15 PM	1	0	0	1	1	0	218	0	0	218	27	0	3	1	30	10	251	0	0	261	510
4:30 PM	0	0	0	2	0	0	208	0	1	208	37	0	5	2	42	16	243	0	0	259	509
4:45 PM	1	0	0	2	1	0	197	0	3	197	28	0	5	1	33	23	214	2	0	239	470
Hourly Total	3	0	0	8	3	0	795	0	4	795	121	0	17	4	138	62	919	3	0	984	1920
5:00 PM	0	0	0	2	0	1	242	0	0	243	20	0	5	3	25	16	200	0	0	216	484
5:15 PM	1	0	0	1	1	0	261	2	0	263	30	0	1	4	31	16	202	0	0	218	513

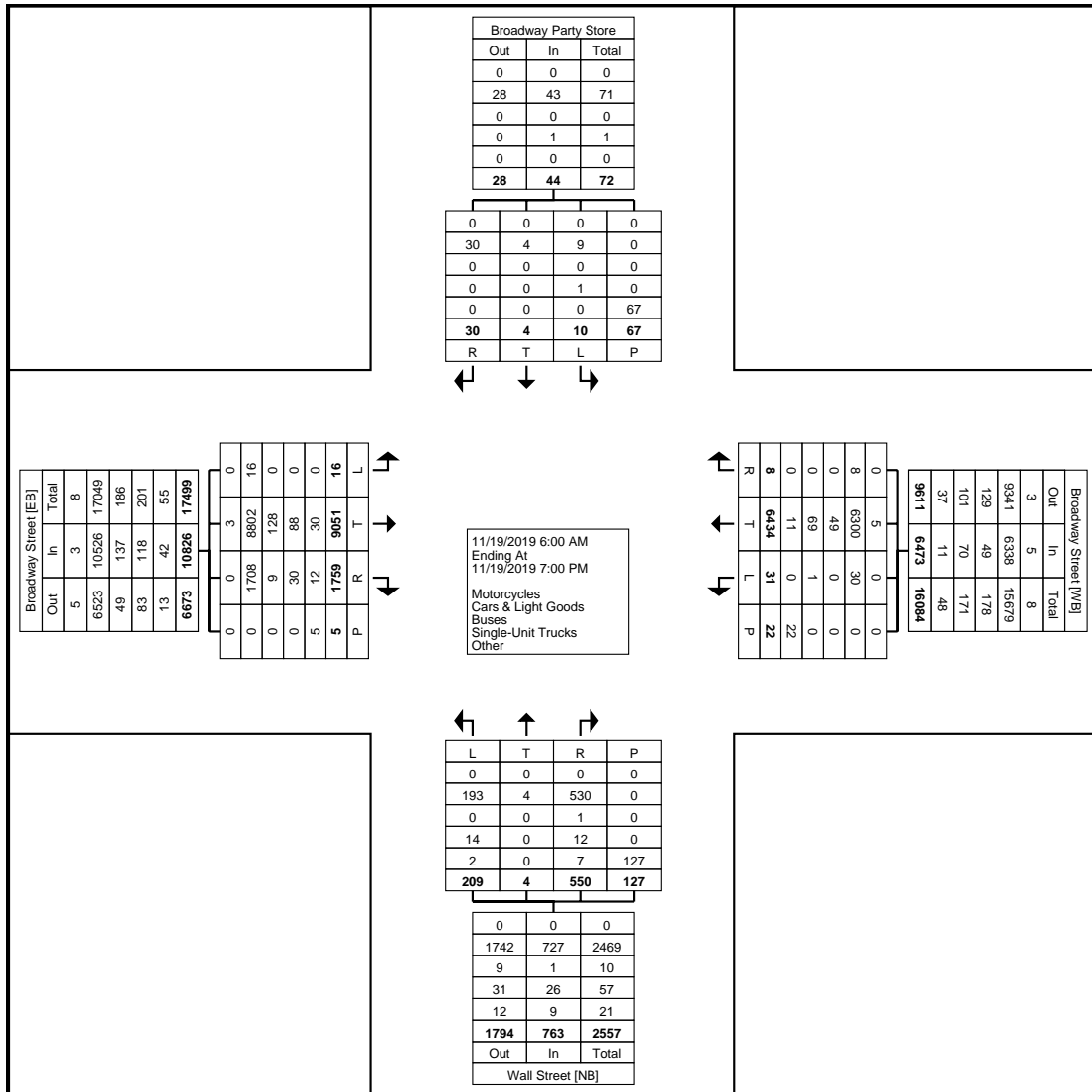
5:30 PM	0	0	0	0	0	0	203	0	0	203	19	0	2	2	21	21	257	0	0	278	502
5:45 PM	0	1	0	0	1	0	245	0	0	245	12	0	0	4	12	20	245	0	0	265	523
Hourly Total	1	1	0	3	2	1	951	2	0	954	81	0	8	13	89	73	904	0	0	977	2022
6:00 PM	0	0	0	0	0	0	167	0	0	167	5	0	3	1	8	14	194	0	0	208	383
6:15 PM	0	0	0	1	0	0	145	0	0	145	8	0	3	1	11	20	207	0	0	227	383
6:30 PM	0	1	0	0	1	0	132	0	0	132	6	0	5	7	11	13	175	0	0	188	332
6:45 PM	0	1	0	0	1	1	134	0	0	135	2	0	3	3	5	8	168	0	0	176	317
Hourly Total	0	2	0	1	2	1	578	0	0	579	21	0	14	12	35	55	744	0	0	799	1415
Grand Total	30	4	10	67	44	8	6434	31	22	6473	550	4	209	127	763	1759	9051	16	5	10826	18106
Approach %	68.2	9.1	22.7	-	-	0.1	99.4	0.5	-	-	72.1	0.5	27.4	-	-	16.2	83.6	0.1	-	-	-
Total %	0.2	0.0	0.1	-	0.2	0.0	35.5	0.2	-	35.8	3.0	0.0	1.2	-	4.2	9.7	50.0	0.1	-	59.8	-
Motorcycles	0	0	0	-	0	0	5	0	-	5	0	0	0	-	0	0	3	0	-	3	8
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.1	0.0	-	0.1	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	30	4	9	-	43	8	6300	30	-	6338	530	4	193	-	727	1708	8802	16	-	10526	17634
% Cars & Light Goods	100.0	100.0	90.0	-	97.7	100.0	97.9	96.8	-	97.9	96.4	100.0	92.3	-	95.3	97.1	97.2	100.0	-	97.2	97.4
Buses	0	0	0	-	0	0	49	0	-	49	1	0	0	-	1	9	128	0	-	137	187
% Buses	0.0	0.0	0.0	-	0.0	0.0	0.8	0.0	-	0.8	0.2	0.0	0.0	-	0.1	0.5	1.4	0.0	-	1.3	1.0
Single-Unit Trucks	0	0	1	-	1	0	69	1	-	70	12	0	14	-	26	30	88	0	-	118	215
% Single-Unit Trucks	0.0	0.0	10.0	-	2.3	0.0	1.1	3.2	-	1.1	2.2	0.0	6.7	-	3.4	1.7	1.0	0.0	-	1.1	1.2
Articulated Trucks	0	0	0	-	0	0	8	0	-	8	7	0	2	-	9	5	16	0	-	21	38
% Articulated Trucks	0.0	0.0	0.0	-	0.0	0.0	0.1	0.0	-	0.1	1.3	0.0	1.0	-	1.2	0.3	0.2	0.0	-	0.2	0.2
Bicycles on Road	0	0	0	-	0	0	3	0	-	3	0	0	0	-	0	7	14	0	-	21	24
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.4	0.2	0.0	-	0.2	0.1
Bicycles on Crosswalk	-	-	-	7	-	-	-	-	0	-	-	-	-	22	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	10.4	-	-	-	-	0.0	-	-	-	-	17.3	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	60	-	-	-	-	22	-	-	-	-	105	-	-	-	-	5	-	-
% Pedestrians	-	-	-	89.6	-	-	-	-	100.0	-	-	-	-	82.7	-	-	-	-	100.0	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61A
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_15
 Broadway & Wall_11-19-19
 Site Code: TMC_15
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61A
 SW

Count Name: TMC_15
 Broadway & Wall_11-19-19
 Site Code: TMC_15
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (8:00 AM)

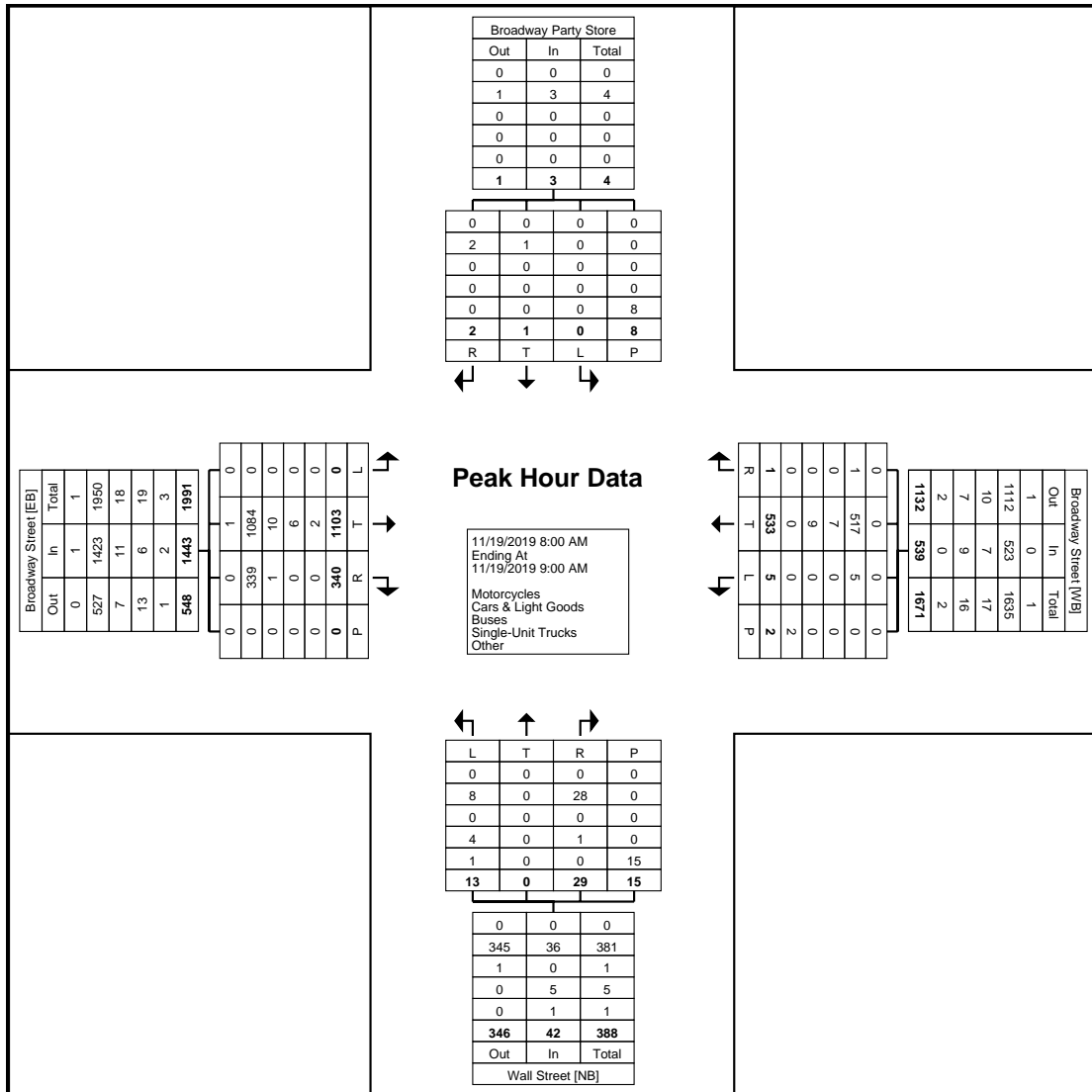
Start Time	Broadway Party Store Southbound					Broadway Street Westbound					Wall Street Northbound					Broadway Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
8:00 AM	0	1	0	1	1	1	120	3	0	124	4	0	1	6	5	73	277	0	0	350	480
8:15 AM	1	0	0	3	1	0	137	1	1	138	5	0	0	3	5	100	294	0	0	394	538
8:30 AM	1	0	0	4	1	0	131	1	0	132	11	0	10	3	21	76	250	0	0	326	480
8:45 AM	0	0	0	0	0	0	145	0	1	145	9	0	2	3	11	91	282	0	0	373	529
Total	2	1	0	8	3	1	533	5	2	539	29	0	13	15	42	340	1103	0	0	1443	2027
Approach %	66.7	33.3	0.0	-	-	0.2	98.9	0.9	-	-	69.0	0.0	31.0	-	-	23.6	76.4	0.0	-	-	-
Total %	0.1	0.0	0.0	-	0.1	0.0	26.3	0.2	-	26.6	1.4	0.0	0.6	-	2.1	16.8	54.4	0.0	-	71.2	-
PHF	0.500	0.250	0.000	-	0.750	0.250	0.919	0.417	-	0.929	0.659	0.000	0.325	-	0.500	0.850	0.938	0.000	-	0.916	0.942
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	1
% Motorcycles	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	0.1	-	-	0.1	0.0
Cars & Light Goods	2	1	0	-	3	1	517	5	-	523	28	0	8	-	36	339	1084	0	-	1423	1985
% Cars & Light Goods	100.0	100.0	-	-	100.0	100.0	97.0	100.0	-	97.0	96.6	-	61.5	-	85.7	99.7	98.3	-	-	98.6	97.9
Buses	0	0	0	-	0	0	7	0	-	7	0	0	0	-	0	1	10	0	-	11	18
% Buses	0.0	0.0	-	-	0.0	0.0	1.3	0.0	-	1.3	0.0	-	0.0	-	0.0	0.3	0.9	-	-	0.8	0.9
Single-Unit Trucks	0	0	0	-	0	0	9	0	-	9	1	0	4	-	5	0	6	0	-	6	20
% Single-Unit Trucks	0.0	0.0	-	-	0.0	0.0	1.7	0.0	-	1.7	3.4	-	30.8	-	11.9	0.0	0.5	-	-	0.4	1.0
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	1	-	1	0	2	0	-	2	3
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	7.7	-	2.4	0.0	0.2	-	-	0.1	0.1
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	3	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	0.0	-	-	-	-	20.0	-	-	-	-	-	-	-
Pedestrians	-	-	-	8	-	-	-	-	2	-	-	-	-	12	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	80.0	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61A
 SW

Count Name: TMC_15
 Broadway & Wall_11-19-19
 Site Code: TMC_15
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (8:00 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61A
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_15
 Broadway & Wall_11-19-19
 Site Code: TMC_15
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:15 AM)

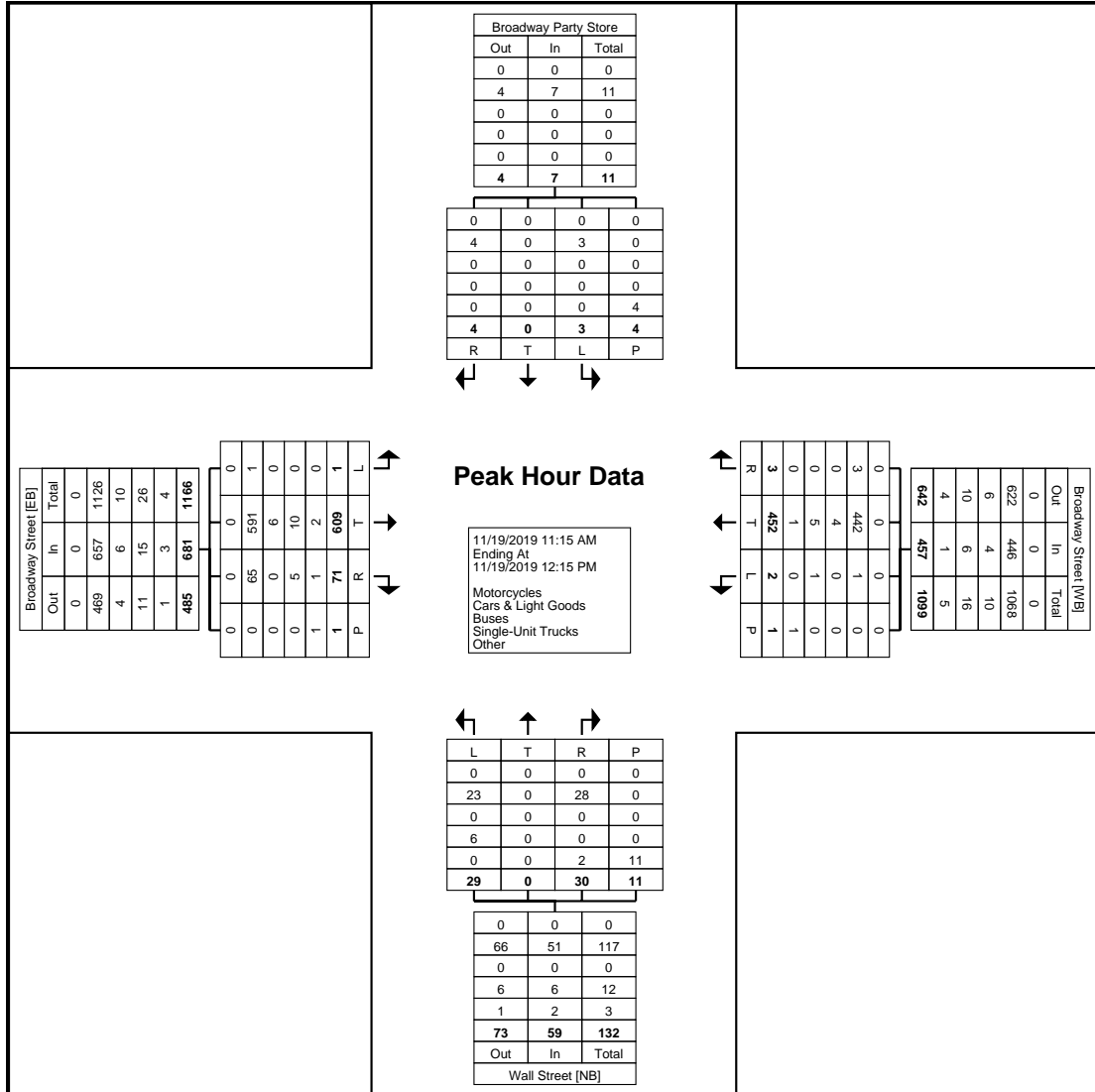
Start Time	Broadway Party Store Southbound					Broadway Street Westbound					Wall Street Northbound					Broadway Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
11:15 AM	2	0	0	0	2	0	98	2	0	100	9	0	9	1	18	22	154	0	1	176	296
11:30 AM	2	0	1	2	3	0	113	0	1	113	8	0	7	2	15	10	153	1	0	164	295
11:45 AM	0	0	2	2	2	0	114	0	0	114	7	0	5	3	12	26	151	0	0	177	305
12:00 PM	0	0	0	0	0	3	127	0	0	130	6	0	8	5	14	13	151	0	0	164	308
Total	4	0	3	4	7	3	452	2	1	457	30	0	29	11	59	71	609	1	1	681	1204
Approach %	57.1	0.0	42.9	-	-	0.7	98.9	0.4	-	-	50.8	0.0	49.2	-	-	10.4	89.4	0.1	-	-	-
Total %	0.3	0.0	0.2	-	0.6	0.2	37.5	0.2	-	38.0	2.5	0.0	2.4	-	4.9	5.9	50.6	0.1	-	56.6	-
PHF	0.500	0.000	0.375	-	0.583	0.250	0.890	0.250	-	0.879	0.833	0.000	0.806	-	0.819	0.683	0.989	0.250	-	0.962	0.977
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	-	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	4	0	3	-	7	3	442	1	-	446	28	0	23	-	51	65	591	1	-	657	1161
% Cars & Light Goods	100.0	-	100.0	-	100.0	100.0	97.8	50.0	-	97.6	93.3	-	79.3	-	86.4	91.5	97.0	100.0	-	96.5	96.4
Buses	0	0	0	-	0	0	4	0	-	4	0	0	0	-	0	0	6	0	-	6	10
% Buses	0.0	-	0.0	-	0.0	0.0	0.9	0.0	-	0.9	0.0	-	0.0	-	0.0	0.0	1.0	0.0	-	0.9	0.8
Single-Unit Trucks	0	0	0	-	0	0	5	1	-	6	0	0	6	-	6	5	10	0	-	15	27
% Single-Unit Trucks	0.0	-	0.0	-	0.0	0.0	1.1	50.0	-	1.3	0.0	-	20.7	-	10.2	7.0	1.6	0.0	-	2.2	2.2
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	2	0	0	-	2	0	1	0	-	1	3
% Articulated Trucks	0.0	-	0.0	-	0.0	0.0	0.0	0.0	-	0.0	6.7	-	0.0	-	3.4	0.0	0.2	0.0	-	0.1	0.2
Bicycles on Road	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	1	1	0	-	2	3
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	0.2	0.0	-	0.2	0.0	-	0.0	-	0.0	1.4	0.2	0.0	-	0.3	0.2
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	4	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	0.0	-	-	-	-	36.4	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	4	-	-	-	-	1	-	-	-	-	7	-	-	-	-	1	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	63.6	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61A
 SW

Count Name: TMC_15
 Broadway & Wall_11-19-19
 Site Code: TMC_15
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61A
 SW

Count Name: TMC_15
 Broadway & Wall_11-19-19
 Site Code: TMC_15
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (5:00 PM)

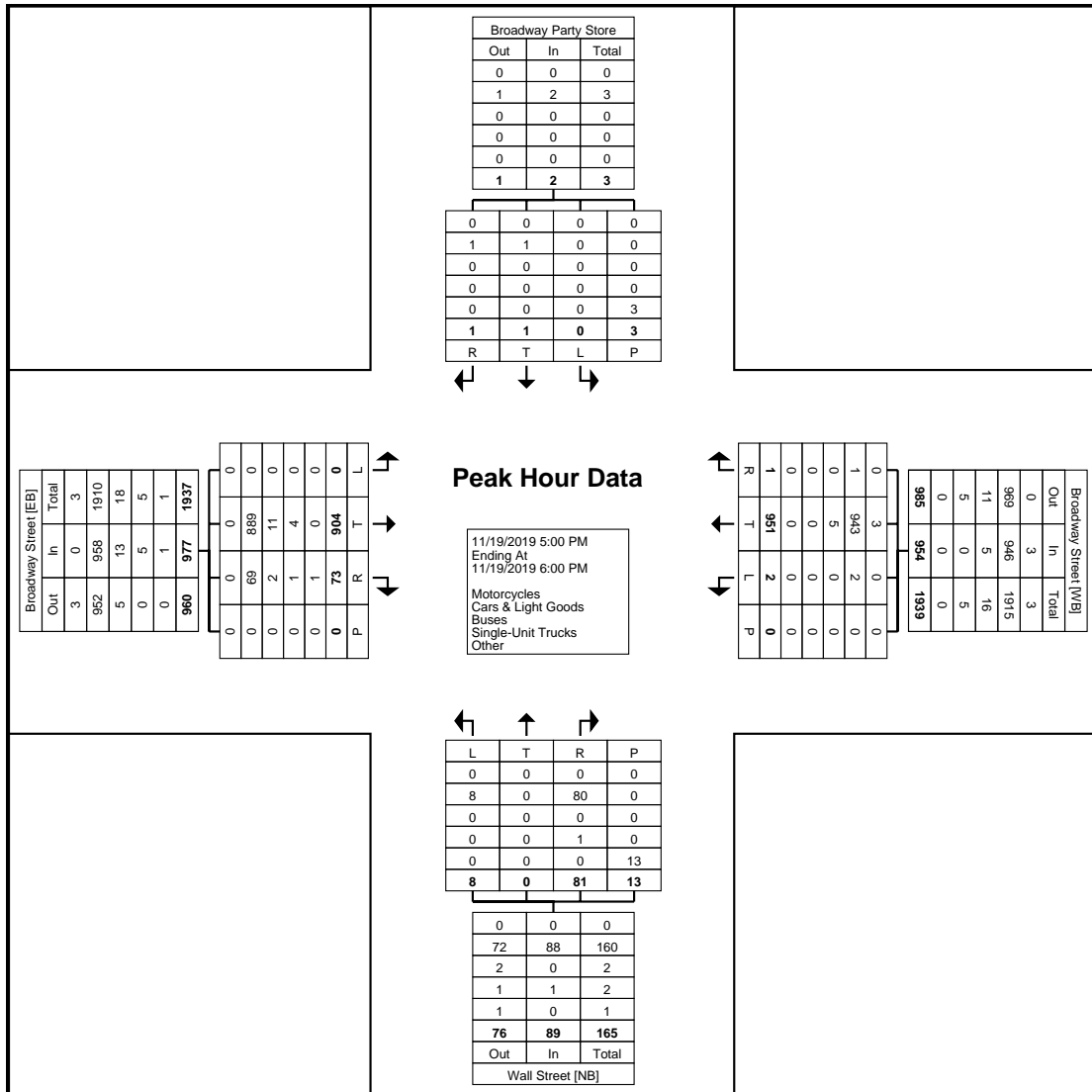
Start Time	Broadway Party Store Southbound					Broadway Street Westbound					Wall Street Northbound					Broadway Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
5:00 PM	0	0	0	2	0	1	242	0	0	243	20	0	5	3	25	16	200	0	0	216	484
5:15 PM	1	0	0	1	1	0	261	2	0	263	30	0	1	4	31	16	202	0	0	218	513
5:30 PM	0	0	0	0	0	0	203	0	0	203	19	0	2	2	21	21	257	0	0	278	502
5:45 PM	0	1	0	0	1	0	245	0	0	245	12	0	0	4	12	20	245	0	0	265	523
Total	1	1	0	3	2	1	951	2	0	954	81	0	8	13	89	73	904	0	0	977	2022
Approach %	50.0	50.0	0.0	-	-	0.1	99.7	0.2	-	-	91.0	0.0	9.0	-	-	7.5	92.5	0.0	-	-	-
Total %	0.0	0.0	0.0	-	0.1	0.0	47.0	0.1	-	47.2	4.0	0.0	0.4	-	4.4	3.6	44.7	0.0	-	48.3	-
PHF	0.250	0.250	0.000	-	0.500	0.250	0.911	0.250	-	0.907	0.675	0.000	0.400	-	0.718	0.869	0.879	0.000	-	0.879	0.967
Motorcycles	0	0	0	-	0	0	3	0	-	3	0	0	0	-	0	0	0	0	-	0	3
% Motorcycles	0.0	0.0	-	-	0.0	0.0	0.3	0.0	-	0.3	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	0.1
Cars & Light Goods	1	1	0	-	2	1	943	2	-	946	80	0	8	-	88	69	889	0	-	958	1994
% Cars & Light Goods	100.0	100.0	-	-	100.0	100.0	99.2	100.0	-	99.2	98.8	-	100.0	-	98.9	94.5	98.3	-	-	98.1	98.6
Buses	0	0	0	-	0	0	5	0	-	5	0	0	0	-	0	2	11	0	-	13	18
% Buses	0.0	0.0	-	-	0.0	0.0	0.5	0.0	-	0.5	0.0	-	0.0	-	0.0	2.7	1.2	-	-	1.3	0.9
Single-Unit Trucks	0	0	0	-	0	0	0	0	-	0	1	0	0	-	1	1	4	0	-	5	6
% Single-Unit Trucks	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	1.2	-	0.0	-	1.1	1.4	0.4	-	-	0.5	0.3
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	1	0	0	-	1	1
% Bicycles on Road	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	1.4	0.0	-	-	0.1	0.0
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	-	-	-	-	-	7.7	-	-	-	-	-	-	-
Pedestrians	-	-	-	3	-	-	-	-	0	-	-	-	-	12	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-	92.3	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61A
 SW

Count Name: TMC_15
 Broadway & Wall_11-19-19
 Site Code: TMC_15
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (5:00 PM)



Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU61A
SW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_15
Broadway & Wall_11-19-19
Site Code: TMC_15
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Un-signalized controlled intersection, Wall St. is stop controlled for Broadway St. at their intersection. WB & NB left turns are time restricted. VCU camera was located within SW intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_15 Broadway & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728549, Location: 42.289395, -83.738829, Site Code: TMC_15 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Broadway Party Store Southbound						Broadway Street Westbound						Wall Street Northbound						Broadway Street Eastbound						Int	
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*		
2019-11-19 6:00AM	1	0	0	0	1	0	0	15	0	0	15	0	0	0	0	0	0	0	0	22	67	0	0	89	0	105
6:15AM	0	0	1	0	1	1	1	21	1	0	23	0	1	0	0	0	1	0	37	99	0	0	136	0	161	
6:30AM	0	0	0	0	0	0	0	36	2	0	38	2	0	0	0	0	0	4	47	88	0	0	135	0	173	
6:45AM	0	0	0	0	0	1	0	31	0	0	31	0	1	0	0	0	1	1	55	129	0	0	184	0	216	
Hourly Total	1	0	1	0	2	2	1	103	3	0	107	2	2	0	0	0	2	6	161	383	0	0	544	0	655	
7:00AM	0	0	0	0	0	0	0	57	1	0	58	0	0	0	1	0	1	4	73	112	0	0	185	0	244	
7:15AM	0	0	0	0	0	0	0	70	1	0	71	0	2	0	0	0	2	0	104	146	0	0	250	0	323	
7:30AM	0	0	0	0	0	0	0	104	0	0	104	0	4	0	1	0	5	1	74	196	0	0	270	0	379	
7:45AM	0	0	0	0	0	0	0	124	0	0	124	1	2	0	1	0	3	6	120	261	0	0	381	0	508	
Hourly Total	0	0	0	0	0	0	0	355	2	0	357	1	8	0	3	0	11	11	371	715	0	0	1086	0	1454	
8:00AM	0	1	0	0	1	1	1	120	3	0	124	0	4	0	1	0	5	6	73	277	0	0	350	0	480	
8:15AM	1	0	0	0	1	3	0	137	1	0	138	1	5	0	0	0	5	3	100	294	0	0	394	0	538	
8:30AM	1	0	0	0	1	4	0	131	1	0	132	0	11	0	10	0	21	3	76	250	0	0	326	0	480	
8:45AM	0	0	0	0	0	0	0	145	0	0	145	1	9	0	2	0	11	3	91	282	0	0	373	0	529	
Hourly Total	2	1	0	0	3	8	1	533	5	0	539	2	29	0	13	0	42	15	340	1103	0	0	1443	0	2027	
9:00AM	2	0	1	0	3	0	0	136	0	0	136	0	10	0	4	0	14	3	49	218	0	0	267	0	420	
9:15AM	1	0	0	0	1	1	0	108	0	0	108	0	9	0	4	0	13	4	41	153	0	0	194	0	316	
9:30AM	0	0	0	0	0	4	0	90	0	0	90	1	5	1	3	0	9	3	31	163	0	0	194	0	293	
9:45AM	0	0	0	0	0	4	0	100	2	0	102	0	10	0	4	0	14	2	30	152	1	0	183	0	299	
Hourly Total	3	0	1	0	4	9	0	434	2	0	436	1	34	1	15	0	50	12	151	686	1	0	838	0	1328	
10:00AM	2	0	0	0	2	1	0	99	0	0	99	1	8	0	7	0	15	3	34	154	1	0	189	0	305	
10:15AM	0	0	0	0	0	2	1	78	0	0	79	2	12	0	4	0	16	6	34	151	0	1	186	0	281	
10:30AM	0	0	0	0	0	3	0	104	0	0	104	0	9	0	7	0	16	2	31	128	0	0	159	0	279	
10:45AM	0	0	0	0	0	1	0	100	3	0	103	1	6	0	5	0	11	4	17	118	0	0	135	0	249	
Hourly Total	2	0	0	0	2	7	1	381	3	0	385	4	35	0	23	0	58	15	116	551	1	1	669	0	1114	
11:00AM	1	0	0	0	1	3	0	87	0	0	87	0	10	0	2	0	12	1	18	116	0	0	134	0	234	
11:15AM	2	0	0	0	2	0	0	98	2	0	100	0	9	0	9	0	18	1	22	154	0	0	176	1	296	
11:30AM	2	0	1	0	3	2	0	113	0	0	113	1	8	0	7	0	15	2	10	153	1	0	164	0	295	
11:45AM	0	0	2	0	2	2	0	114	0	0	114	0	7	0	5	0	12	3	26	151	0	0	177	0	305	
Hourly Total	5	0	3	0	8	7	0	412	2	0	414	1	34	0	23	0	57	7	76	574	1	0	651	1	1130	
12:00PM	0	0	0	0	0	0	3	127	0	0	130	0	6	0	8	0	14	5	13	151	0	0	164	0	308	
12:15PM	0	0	0	0	0	4	0	109	0	0	109	0	11	0	5	0	16	0	22	140	0	0	162	0	287	
12:30PM	3	0	0	0	3	0	0	108	1	0	109	2	10	0	3	0	13	2	19	154	2	0	175	3	300	
12:45PM	2	0	1	0	3	2	0	100	6	0	106	1	7	0	5	0	12	3	26	142	1	0	169	0	290	
Hourly Total	5	0	1	0	6	6	3	444	7	0	454	3	34	0	21	0	55	10	80	587	3	0	670	3	1185	
1:00PM	3	0	0	0	3	1	0	98	1	0	99	0	6	1	1	0	8	1	18	160	0	0	178	0	288	
1:15PM	0	0	1	0	1	1	0	93	1	0	94	2	7	0	3	0	10	3	23	147	1	0	171	0	276	
1:30PM	2	0	1	0	3	2	0	79	0	0	79	1	14	0	3	0	17	6	25	135	2	0	162	1	261	
1:45PM	1	0	0	0	1	1	0	97	0	0	97	0	13	0	4	0	17	0	22	123	0	0	145	0	260	
Hourly Total	6	0	2	0	8	5	0	367	2	0	369	3	40	1	11	0	52	10	88	565	3	0	656	1	1085	
2:00PM	0	0	0	0	0	0	0	116	0	0	116	0	8	0	8	0	16	3	19	117	0	0	136	0	268	
2:15PM	0	0	1	0	1	2	0	104	0	0	104	0	7	0	5	0	12	1	27	140	1	0	168	0	285	
2:30PM	1	0	0	0	1	1	0	102	0	0	102	0	13	0	5	0	18	2	33	169	0	0	202	0	323	
2:45PM	0	0	0	0	0	2	0	123	1	0	124	0	12	0	2	0	14	1	26	152	0	0	178	0	316	
Hourly Total	1	0	1	0	2	5	0	445	1	0	446	0	40	0	20	0	60	7	105	578	1	0	684	0	1192	
3:00PM	1	0	1	0	2	0	0	113	0	0	113	0	13	0	6	0	19	2	18	199	0	0	217	0	351	
3:15PM	0	0	0	0	0	1	0	176	0	0	176	1	15	1	14	0	30	0	24	178	0	1	203	0	409	
3:30PM	0	0	0	0	0	3	0	167	1	0	168	0	20	0	15	0	35	2	22	198	0	1	221	0	424	
3:45PM	0	0	0	0	0	2	0	180	1	0	181	0	23	1	6	0	30	1	17	167	0	0	184	0	395	
Hourly Total	1	0	1	0	2	6	0	636	2	0	638	1	71	2	41	0	114	5	81	742	0	2	825	0	1579	
4:00PM	1	0	0	0	1	3	0	172	0	0	172	0	29	0	4	0	33	0	13	211	1	0	225	0	431	
4:15PM	1	0	0	0	1	1	0	218	0	0	218	0	27	0	3	0	30	1	10	251	0	0	261	0	510	
4:30PM	0	0	0	0	0	2	0	208	0	0	208	1	37	0	5	0	42	2	16	243	0	0	259	0	509	
4:45PM	1	0	0	0	1	2	0	197	0	0	197	3	28	0	5	0	33	1	23	214	1	1	239	0	470	
Hourly Total	3	0	0	0	3	8	0	795	0	0	795	4	121	0	17	0	138	4	62	919	2	1	984	0	1920	
5:00PM	0	0	0	0	0	2	1	242	0	0	243	0	20	0	5	0	25	3	16	200	0	0	216	0	484	
5:15PM	1	0	0	0	1	1	0	261	2	0	263	0	30	0	1	0	31	4	16	202	0	0	218	0	513	
5:30PM	0	0	0	0	0	0	0	203	0	0	203	0	19	0	2	0	21	2	21	257	0	0	278	0	502	
5:45PM	0	1	0	0	1	0	0	245	0	0	245	0	12	0	0	0	12	4	20	245	0	0	265	0	523	
Hourly Total	1	1	0	0	2	3	1	951	2	0	954	0	81	0	8	0	89	13	73	904	0	0	977	0	2022	
6:00PM	0	0	0	0	0	0	0	167	0	0	167	0	5	0	3	0	8	1	14	194	0	0	208	0	383	
6:15PM	0	0	0	0	0	1	0	145	0	0	145	0	8	0	3	0	11	1	20	207	0	0	227	0	383	
6:30PM	0	1	0	0	1	0	0	132	0	0	132	0	6	0	5	0	11	7	13	175	0	0	188	0	332	
6:45PM	0	1	0	0	1	0	1	134	0	0	135	0	2	0	3	0	5	3	8	168	0	0	176	0	317	
Hourly Total	0	2	0	0	2	1	1	578	0	0	579	0	21	0	14	0	35	12	55	744	0	0	799	0	1415	
Total	30	4	10	0	44	67	8	6434	31																	

Leg Direction	Broadway Party Store Southbound						Broadway Street Westbound						Wall Street Northbound						Broadway Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	30	4	9	0	43	-	8	6300	30	0	6338	-	530	4	193	0	727	-	1708	8802	12	4	10526	-	17634
% Lights	100%	100%	90.0%	0%	97.7%	-	100%	97.9%	96.8%	0%	97.9%	-	96.4%	100%	92.3%	0%	95.3%	-	97.1%	97.2%	100%	100%	97.2%	-	97.4%
Single-Unit Trucks	0	0	1	0	1	-	0	69	1	0	70	-	12	0	14	0	26	-	30	88	0	0	118	-	215
% Single-Unit Trucks	0%	0%	10.0%	0%	2.3%	-	0%	1.1%	3.2%	0%	1.1%	-	2.2%	0%	6.7%	0%	3.4%	-	1.7%	1.0%	0%	0%	1.1%	-	1.2%
Articulated Trucks	0	0	0	0	0	-	0	8	0	0	8	-	7	0	2	0	9	-	5	16	0	0	21	-	38
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	1.3%	0%	1.0%	0%	1.2%	-	0.3%	0.2%	0%	0%	0.2%	-	0.2%
Buses	0	0	0	0	0	-	0	49	0	0	49	-	1	0	0	0	1	-	9	128	0	0	137	-	187
% Buses	0%	0%	0%	0%	0%	-	0%	0.8%	0%	0%	0.8%	-	0.2%	0%	0%	0%	0.1%	-	0.5%	1.4%	0%	0%	1.3%	-	1.0%
Bicycles on Road	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	7	14	0	0	21	-	24
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.4%	0.2%	0%	0%	0.2%	-	0.1%
Pedestrians	-	-	-	-	-	60	-	-	-	-	-	22	-	-	-	-	-	105	-	-	-	-	-	5	
% Pedestrians	-	-	-	-	-	89.6%	-	-	-	-	-	100%	-	-	-	-	-	82.7%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	7	-	-	-	-	-	0	-	-	-	-	-	22	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	10.4%	-	-	-	-	-	0%	-	-	-	-	-	17.3%	-	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_15 Broadway & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

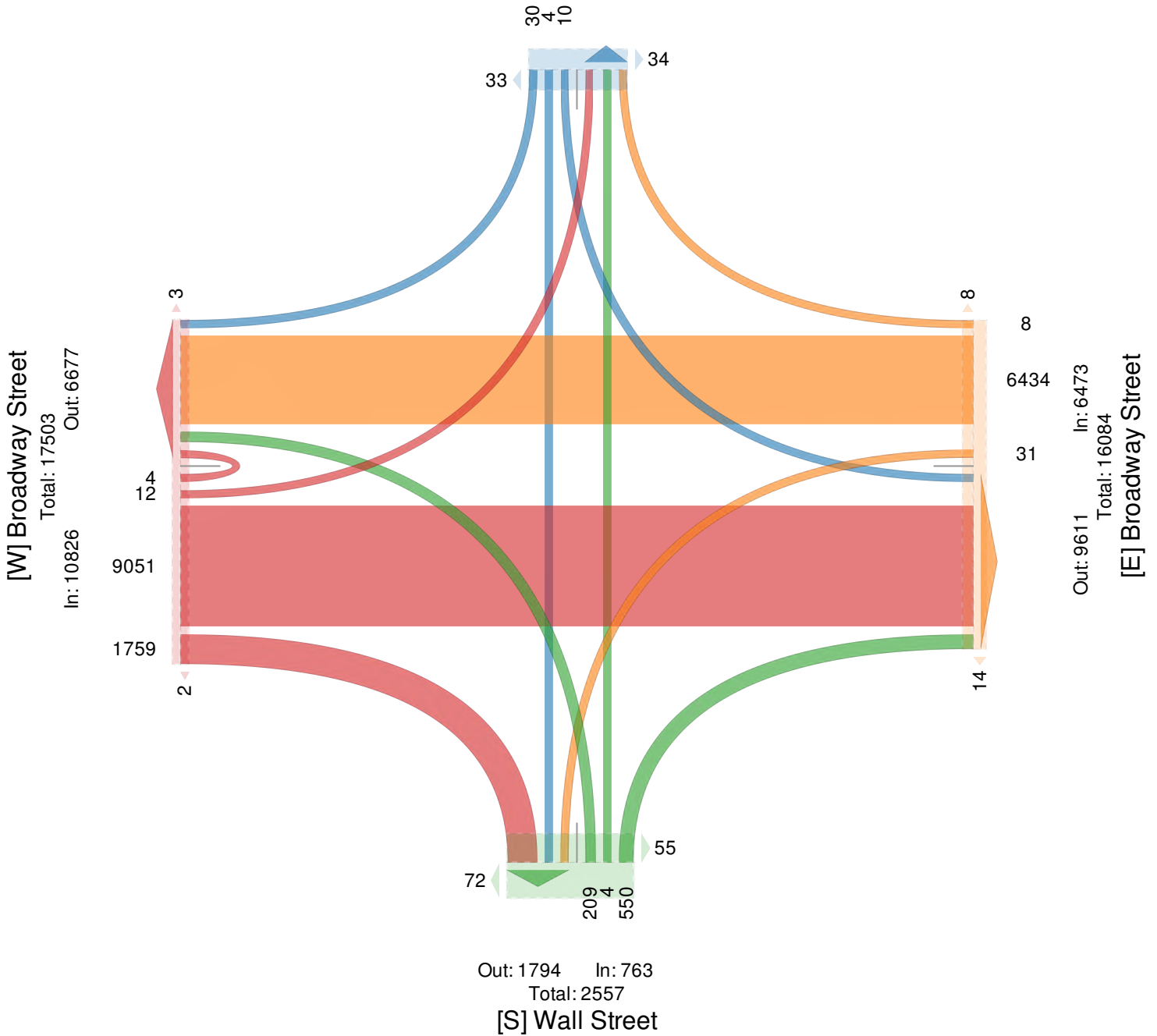
ID: 728549, Location: 42.289395, -83.738829, Site Code: TMC_15 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Broadway Party Store

Total: 68
In: 44 Out: 24



TMC_15 Broadway & Wall_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (8 AM - 9 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728549, Location: 42.289395, -83.738829, Site Code: TMC_15 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Broadway Party Store Southbound						Broadway Street Westbound						Wall Street Northbound						Broadway Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 8:00AM	0	1	0	0	1	1	1	120	3	0	124	0	4	0	1	0	5	6	73	277	0	0	350	0	480
8:15AM	1	0	0	0	1	3	0	137	1	0	138	1	5	0	0	0	5	3	100	294	0	0	394	0	538
8:30AM	1	0	0	0	1	4	0	131	1	0	132	0	11	0	10	0	21	3	76	250	0	0	326	0	480
8:45AM	0	0	0	0	0	0	0	145	0	0	145	1	9	0	2	0	11	3	91	282	0	0	373	0	529
Total	2	1	0	0	3	8	1	533	5	0	539	2	29	0	13	0	42	15	340	1103	0	0	1443	0	2027
% Approach	66.7%	33.3%	0%	0%	-	-	0.2%	98.9%	0.9%	0%	-	-	69.0%	0%	31.0%	0%	-	-	23.6%	76.4%	0%	0%	-	-	-
% Total	0.1%	0%	0%	0%	0.1%	-	0%	26.3%	0.2%	0%	26.6%	-	1.4%	0%	0.6%	0%	2.1%	-	16.8%	54.4%	0%	0%	71.2%	-	-
PHF	0.500	0.250	-	-	0.750	-	0.250	0.919	0.417	-	0.929	-	0.659	-	0.325	-	0.500	-	0.850	0.938	-	-	0.916	-	0.942
Motorcycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
% Motorcycles	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.1%	0%	0%	0.1%	-	0%
Lights	2	1	0	0	3	-	1	517	5	0	523	-	28	0	8	0	36	-	339	1084	0	0	1423	-	1985
% Lights	100%	100%	0%	0%	100%	-	100%	97.0%	100%	0%	97.0%	-	96.6%	0%	61.5%	0%	85.7%	-	99.7%	98.3%	0%	0%	98.6%	-	97.9%
Single-Unit Trucks	0	0	0	0	0	0	0	9	0	0	9	0	1	0	4	0	5	0	0	6	0	0	6	0	20
% Single-Unit Trucks	0%	0%	0%	0%	0%	0%	0%	1.7%	0%	0%	1.7%	0%	3.4%	0%	30.8%	0%	11.9%	0%	0%	0.5%	0%	0%	0.4%	-	1.0%
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	2	0	3
% Articulated Trucks	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7.7%	0%	2.4%	0%	0%	0.2%	0%	0%	0.1%	-	0.1%
Buses	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	0	1	10	0	0	11	0	18
% Buses	0%	0%	0%	0%	0%	0%	0%	1.3%	0%	0%	1.3%	0%	0%	0%	0%	0%	0%	0%	0.3%	0.9%	0%	0%	0.8%	-	0.9%
Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bicycles on Road	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Pedestrians	-	-	-	-	-	8	-	-	-	-	-	2	-	-	-	-	-	12	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	80.0%	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	3	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	20.0%	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_15 Broadway & Wall_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (8 AM - 9 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

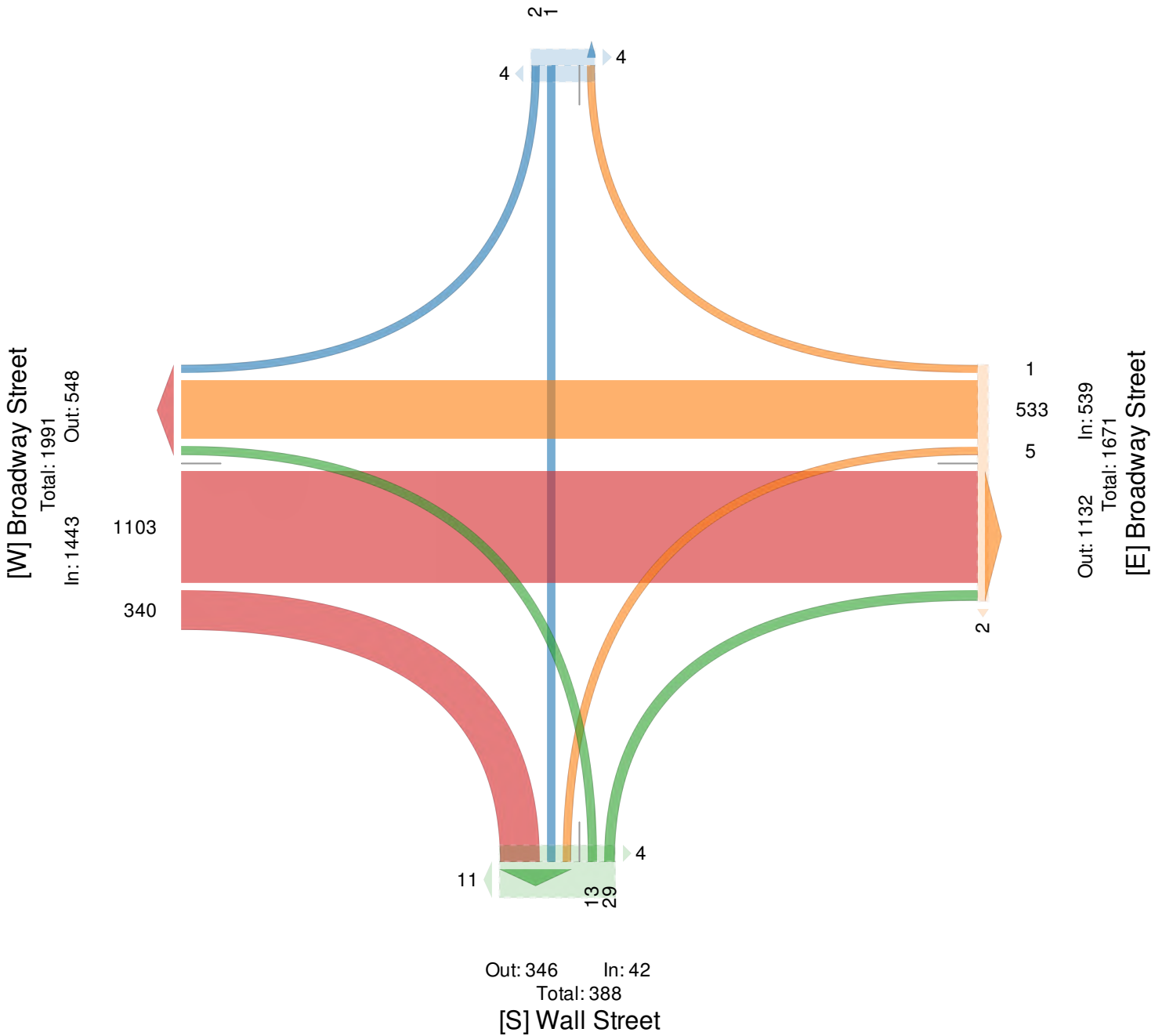
ID: 728549, Location: 42.289395, -83.738829, Site Code: TMC_15 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Broadway Party Store

Total: 4
In: 3 Out: 1



TMC_15 Broadway & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728549, Location: 42.289395, -83.738829, Site Code: TMC_15 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Broadway Party Store Southbound						Broadway Street Westbound						Wall Street Northbound						Broadway Street Eastbound						Int
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 11:15AM	2	0	0	0	2	0	0	98	2	0	100	0	9	0	9	0	18	1	22	154	0	0	176	1	296
11:30AM	2	0	1	0	3	2	0	113	0	0	113	1	8	0	7	0	15	2	10	153	1	0	164	0	295
11:45AM	0	0	2	0	2	2	0	114	0	0	114	0	7	0	5	0	12	3	26	151	0	0	177	0	305
12:00PM	0	0	0	0	0	0	3	127	0	0	130	0	6	0	8	0	14	5	13	151	0	0	164	0	308
Total	4	0	3	0	7	4	3	452	2	0	457	1	30	0	29	0	59	11	71	609	1	0	681	1	1204
% Approach	57.1%	0%	42.9%	0%	-	-	0.7%	98.9%	0.4%	0%	-	-	50.8%	0%	49.2%	0%	-	-	10.4%	89.4%	0.1%	0%	-	-	-
% Total	0.3%	0%	0.2%	0%	0.6%	-	0.2%	37.5%	0.2%	0%	38.0%	-	2.5%	0%	2.4%	0%	4.9%	-	5.9%	50.6%	0.1%	0%	56.6%	-	-
PHF	0.500	-	0.375	-	0.583	-	0.250	0.888	0.250	-	0.877	-	0.833	-	0.806	-	0.819	-	0.673	0.987	0.250	-	0.959	-	0.978
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	4	0	3	0	7	-	3	442	1	0	446	-	28	0	23	0	51	-	65	591	1	0	657	-	1161
% Lights	100%	0%	100%	0%	100%	-	100%	97.8%	50.0%	0%	97.6%	-	93.3%	0%	79.3%	0%	86.4%	-	91.5%	97.0%	100%	0%	96.5%	-	96.4%
Single-Unit Trucks	0	0	0	0	0	-	0	5	1	0	6	-	0	0	6	0	6	-	5	10	0	0	15	-	27
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	1.1%	50.0%	0%	1.3%	-	0%	0%	20.7%	0%	10.2%	-	7.0%	1.6%	0%	0%	2.2%	-	2.2%
Articulate d Trucks	0	0	0	0	0	-	0	0	0	0	0	-	2	0	0	0	2	-	0	1	0	0	1	-	3
% Articulate d Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	6.7%	0%	0%	0%	3.4%	-	0%	0.2%	0%	0%	0.1%	-	0.2%
Buses	0	0	0	0	0	-	0	4	0	0	4	-	0	0	0	0	0	-	0	6	0	0	6	-	10
% Buses	0%	0%	0%	0%	0%	-	0%	0.9%	0%	0%	0.9%	-	0%	0%	0%	0%	0%	-	0%	1.0%	0%	0%	0.9%	-	0.8%
Bicycles on Road	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	1	1	0	0	2	-	3
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	1.4%	0.2%	0%	0%	0.3%	-	0.2%
Pedestrians	-	-	-	-	-	4	-	-	-	-	-	1	-	-	-	-	-	7	-	-	-	-	-	1	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	63.6%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	4	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	36.4%	-	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_15 Broadway & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

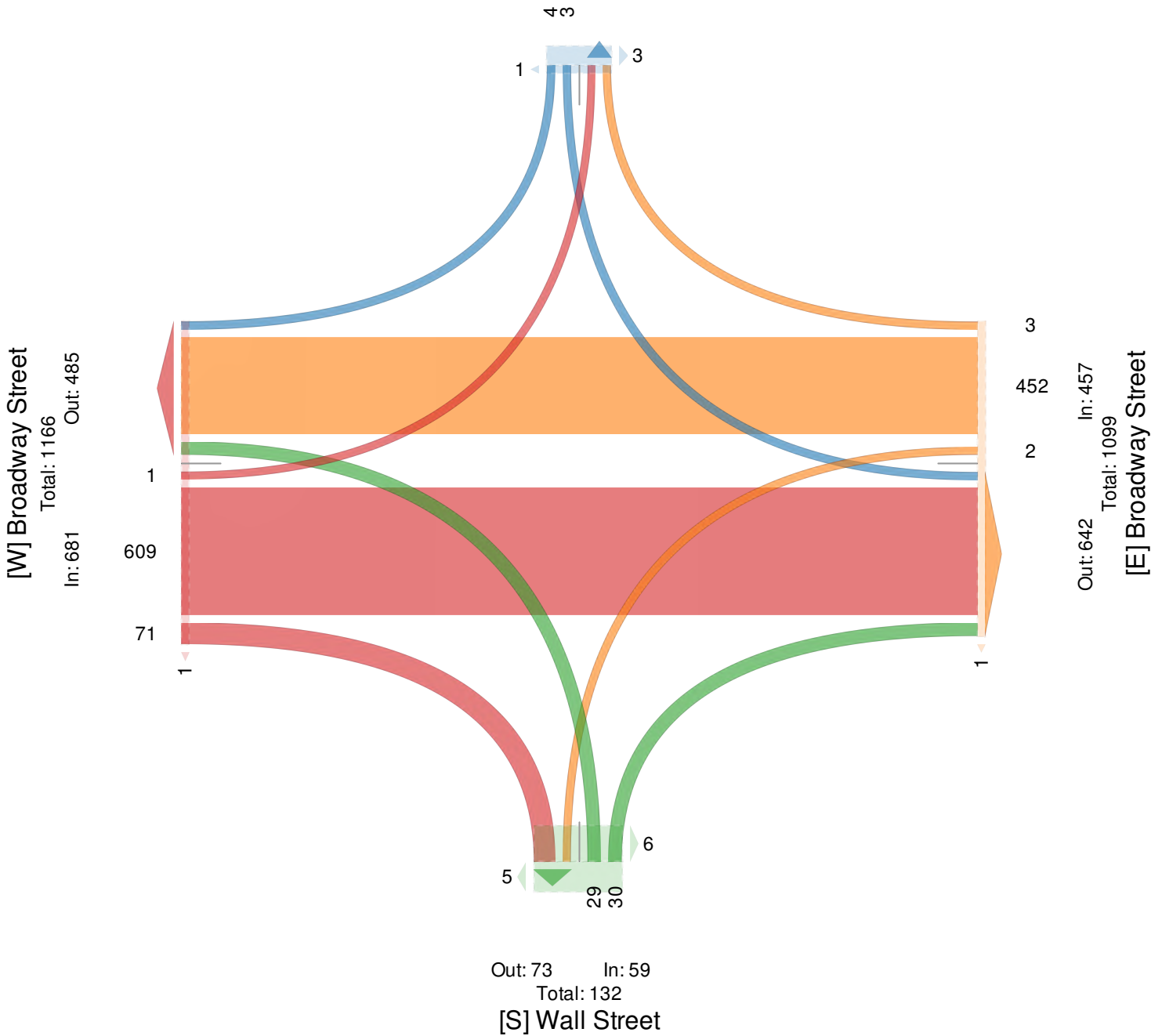
ID: 728549, Location: 42.289395, -83.738829, Site Code: TMC_15 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Broadway Party Store

Total: 11
In: 7 Out: 4



TMC_15 Broadway & Wall_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728549, Location: 42.289395, -83.738829, Site Code: TMC_15 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Broadway Party Store Southbound						Broadway Street Westbound						Wall Street Northbound						Broadway Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 5:00PM	0	0	0	0	0	2	1	242	0	0	243	0	20	0	5	0	25	3	16	200	0	0	216	0	484
5:15PM	1	0	0	0	1	1	0	261	2	0	263	0	30	0	1	0	31	4	16	202	0	0	218	0	513
5:30PM	0	0	0	0	0	0	0	203	0	0	203	0	19	0	2	0	21	2	21	257	0	0	278	0	502
5:45PM	0	1	0	0	1	0	0	245	0	0	245	0	12	0	0	0	12	4	20	245	0	0	265	0	523
Total	1	1	0	0	2	3	1	951	2	0	954	0	81	0	8	0	89	13	73	904	0	0	977	0	2022
% Approach	50.0%	50.0%	0%	0%	-	-	0.1%	99.7%	0.2%	0%	-	-	91.0%	0%	9.0%	0%	-	-	7.5%	92.5%	0%	0%	-	-	-
% Total	0%	0%	0%	0%	0.1%	-	0%	47.0%	0.1%	0%	47.2%	-	4.0%	0%	0.4%	0%	4.4%	-	3.6%	44.7%	0%	0%	48.3%	-	-
PHF	0.250	0.250	-	-	0.500	-	0.250	0.911	0.250	-	0.907	-	0.675	-0.400	-	0.718	-	0.857	0.879	-	-	0.878	-	0.968	
Motorcycles	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	0	0	0	0	0	-	3
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Lights	1	1	0	0	2	-	1	943	2	0	946	-	80	0	8	0	88	-	69	889	0	0	958	-	1994
% Lights	100%	100%	0%	0%	100%	-	100%	99.2%	100%	0%	99.2%	-	98.8%	0%	100%	0%	98.9%	-	94.5%	98.3%	0%	0%	98.1%	-	98.6%
Single-Unit Trucks	0	0	0	0	0	-	0	0	0	0	0	-	1	0	0	0	1	-	1	4	0	0	5	-	6
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	1.2%	0%	0%	0%	1.1%	-	1.4%	0.4%	0%	0%	0.5%	-	0.3%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	0	-	0	5	0	0	5	-	0	0	0	0	0	-	2	11	0	0	13	-	18
% Buses	0%	0%	0%	0%	0%	-	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	2.7%	1.2%	0%	0%	1.3%	-	0.9%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1	0	0	0	1	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	1.4%	0%	0%	0%	0.1%	-	0%
Pedestrians	-	-	-	-	-	3	-	-	-	-	-	0	-	-	-	-	-	12	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	92.3%	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	7.7%	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_15 Broadway & Wall_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

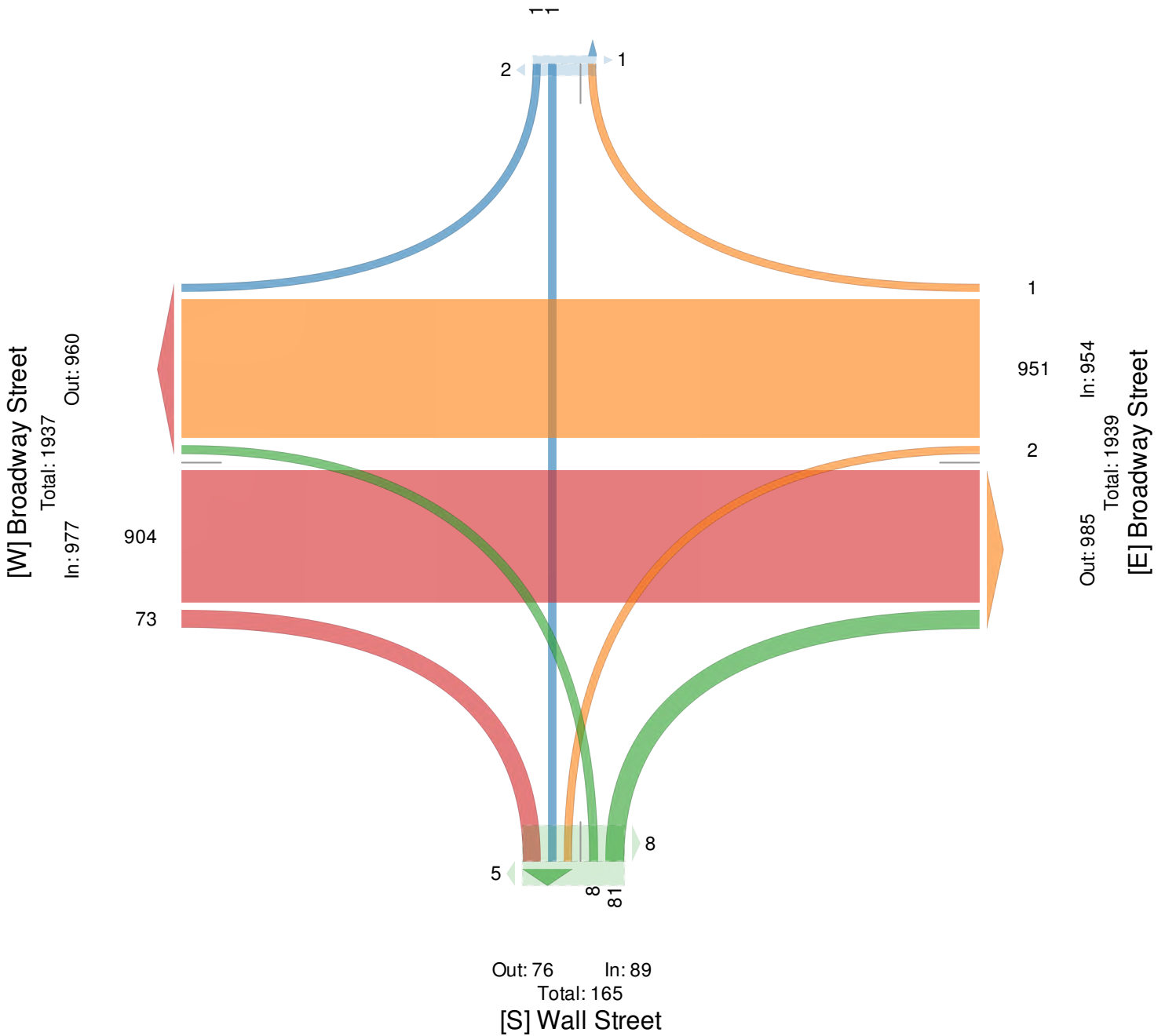
ID: 728549, Location: 42.289395, -83.738829, Site Code: TMC_15 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Broadway Party Store

Total: 3
In: 2 Out: 1





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3FX
 SE

Count Name: TMC_16
 Broadway & Swift_11-19-19
 Site Code: TMC_16
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	SB Swift Street Southbound				Broadway Street Westbound					Broadway Street Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Thru	Left	Peds	App. Total	
6:00 AM	9	52	0	61	0	14	0	0	14	37	0	0	37	112
6:15 AM	19	69	0	88	0	18	0	1	18	69	0	1	69	175
6:30 AM	22	66	0	88	0	38	0	0	38	71	0	4	71	197
6:45 AM	44	86	0	130	0	40	0	0	40	101	0	0	101	271
Hourly Total	94	273	0	367	0	110	0	1	110	278	0	5	278	755
7:00 AM	45	86	0	131	0	58	0	0	58	100	0	2	100	289
7:15 AM	69	102	5	171	0	72	0	1	72	159	0	1	159	402
7:30 AM	75	98	3	173	0	110	0	0	110	217	0	1	217	500
7:45 AM	94	122	3	216	0	109	0	0	109	265	0	4	265	590
Hourly Total	283	408	11	691	0	349	0	1	349	741	0	8	741	1781
8:00 AM	117	106	2	223	0	120	0	0	120	268	0	1	268	611
8:15 AM	98	105	3	203	0	135	0	2	135	256	0	0	256	594
8:30 AM	88	82	7	170	0	144	0	0	144	244	0	0	244	558
8:45 AM	115	105	2	220	0	155	0	2	155	270	0	3	270	645
Hourly Total	418	398	14	816	0	554	0	4	554	1038	0	4	1038	2408
9:00 AM	60	47	3	107	0	140	0	1	140	217	0	1	217	464
9:15 AM	50	33	4	83	0	112	0	1	112	166	0	0	166	361
9:30 AM	45	44	3	89	0	92	0	0	92	137	0	3	137	318
9:45 AM	48	32	4	80	0	104	0	0	104	160	0	0	160	344
Hourly Total	203	156	14	359	0	448	0	2	448	680	0	4	680	1487
10:00 AM	19	33	5	52	0	102	0	2	102	152	0	1	152	306
10:15 AM	28	45	0	73	0	87	0	2	87	144	0	1	144	304
10:30 AM	29	25	4	54	0	118	0	0	118	137	0	0	137	309
10:45 AM	22	20	6	42	0	92	0	1	92	109	0	2	109	243
Hourly Total	98	123	15	221	0	399	0	5	399	542	0	4	542	1162
11:00 AM	34	19	5	53	0	87	0	0	87	127	0	1	127	267
11:15 AM	34	27	1	61	0	113	0	2	113	148	0	0	148	322
11:30 AM	37	17	2	54	0	116	0	4	116	155	0	1	155	325
11:45 AM	19	33	4	52	0	121	0	1	121	139	0	0	139	312
Hourly Total	124	96	12	220	0	437	0	7	437	569	0	2	569	1226
12:00 PM	29	29	2	58	0	135	0	1	135	147	0	0	147	340
12:15 PM	23	20	2	43	0	104	0	2	104	148	0	1	148	295
12:30 PM	25	24	2	49	0	120	0	0	120	161	0	0	161	330
12:45 PM	25	25	0	50	0	112	0	0	112	140	0	2	140	302
Hourly Total	102	98	6	200	0	471	0	3	471	596	0	3	596	1267
1:00 PM	32	21	2	53	0	91	0	0	91	152	0	2	152	296
1:15 PM	30	37	2	67	1	100	1	0	102	139	0	1	139	308
1:30 PM	34	16	2	50	0	86	0	1	86	146	0	0	146	282
1:45 PM	25	24	2	49	0	104	0	0	104	123	0	1	123	276
Hourly Total	121	98	8	219	1	381	1	1	383	560	0	4	560	1162
2:00 PM	26	19	1	45	0	130	0	0	130	126	0	3	126	301
2:15 PM	23	22	1	45	0	101	0	2	101	153	0	0	153	299
2:30 PM	35	24	7	59	0	116	0	2	116	171	0	3	171	346
2:45 PM	40	27	3	67	0	125	0	1	125	153	0	5	153	345
Hourly Total	124	92	12	216	0	472	0	5	472	603	0	11	603	1291
3:00 PM	33	26	1	59	0	133	0	0	133	206	0	3	206	398
3:15 PM	43	24	3	67	0	180	0	0	180	180	0	0	180	427
3:30 PM	72	32	2	104	0	175	0	1	175	194	0	1	194	473
3:45 PM	33	17	2	50	0	196	0	0	196	182	0	0	182	428
Hourly Total	181	99	8	280	0	684	0	1	684	762	0	4	762	1726
4:00 PM	32	17	3	49	0	190	0	0	190	206	1	2	207	446
4:15 PM	39	27	6	66	0	207	0	1	207	224	0	5	224	497
4:30 PM	37	22	3	59	0	215	0	0	215	242	0	4	242	516
4:45 PM	46	18	5	64	0	208	0	0	208	204	0	3	204	476
Hourly Total	154	84	17	238	0	820	0	1	820	876	1	14	877	1935
5:00 PM	45	14	4	59	0	273	0	1	273	243	0	2	243	575
5:15 PM	62	18	4	80	0	248	0	1	248	233	0	2	233	561

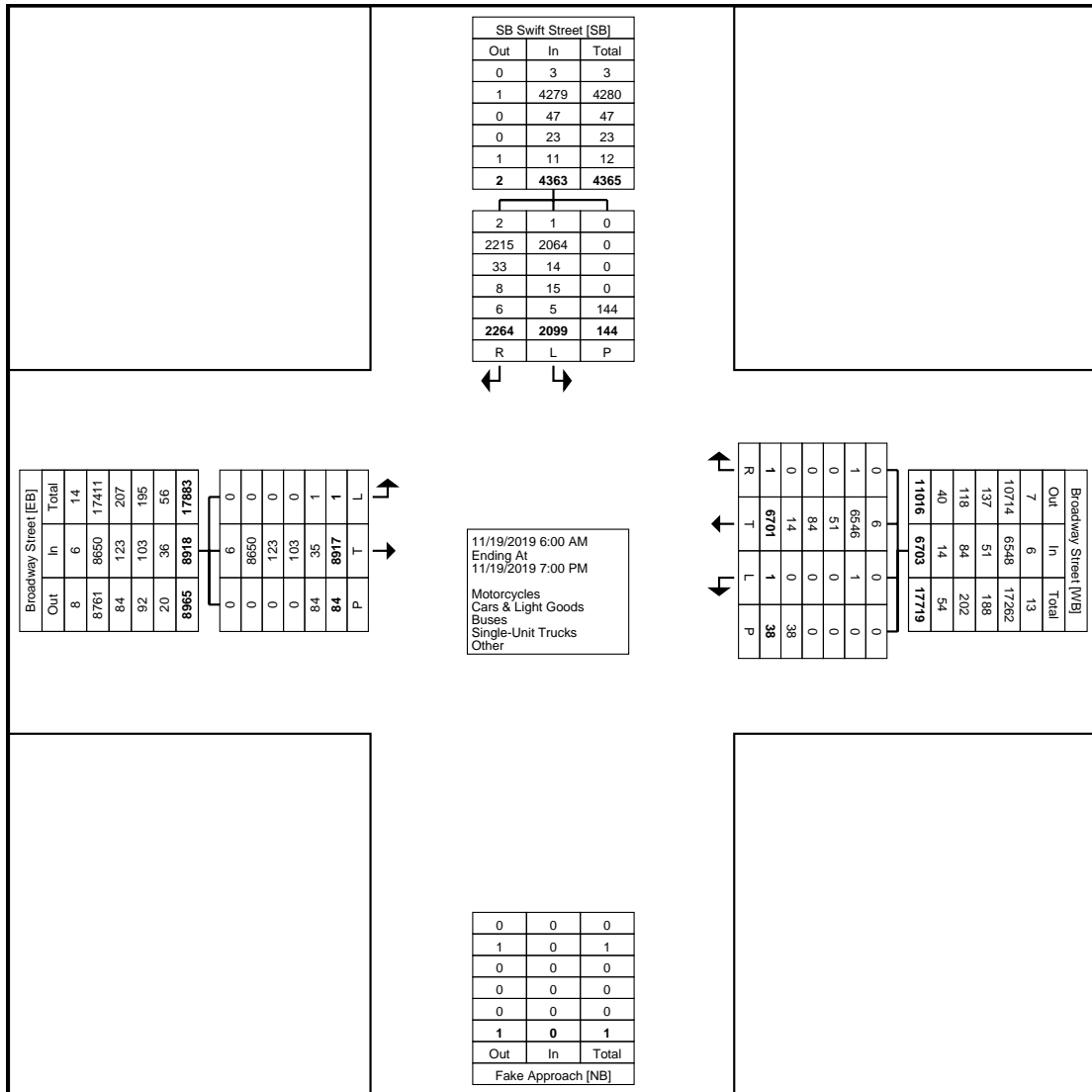
5:30 PM	62	30	6	92	0	212	0	1	212	241	0	3	241	545
5:45 PM	52	22	4	74	0	260	0	3	260	250	0	1	250	584
Hourly Total	221	84	18	305	0	993	0	6	993	967	0	8	967	2265
6:00 PM	35	19	4	54	0	156	0	0	156	191	0	4	191	401
6:15 PM	36	29	1	65	0	147	0	0	147	193	0	4	193	405
6:30 PM	38	24	1	62	0	140	0	0	140	162	0	1	162	364
6:45 PM	32	18	3	50	0	140	0	1	140	159	0	4	159	349
Hourly Total	141	90	9	231	0	583	0	1	583	705	0	13	705	1519
Grand Total	2264	2099	144	4363	1	6701	1	38	6703	8917	1	84	8918	19984
Approach %	51.9	48.1	-	-	0.0	100.0	0.0	-	-	100.0	0.0	-	-	-
Total %	11.3	10.5	-	21.8	0.0	33.5	0.0	-	33.5	44.6	0.0	-	44.6	-
Motorcycles	2	1	-	3	0	6	0	-	6	6	0	-	6	15
% Motorcycles	0.1	0.0	-	0.1	0.0	0.1	0.0	-	0.1	0.1	0.0	-	0.1	0.1
Cars & Light Goods	2215	2064	-	4279	1	6546	1	-	6548	8650	0	-	8650	19477
% Cars & Light Goods	97.8	98.3	-	98.1	100.0	97.7	100.0	-	97.7	97.0	0.0	-	97.0	97.5
Buses	33	14	-	47	0	51	0	-	51	123	0	-	123	221
% Buses	1.5	0.7	-	1.1	0.0	0.8	0.0	-	0.8	1.4	0.0	-	1.4	1.1
Single-Unit Trucks	8	15	-	23	0	84	0	-	84	103	0	-	103	210
% Single-Unit Trucks	0.4	0.7	-	0.5	0.0	1.3	0.0	-	1.3	1.2	0.0	-	1.2	1.1
Articulated Trucks	3	1	-	4	0	9	0	-	9	16	0	-	16	29
% Articulated Trucks	0.1	0.0	-	0.1	0.0	0.1	0.0	-	0.1	0.2	0.0	-	0.2	0.1
Bicycles on Road	3	4	-	7	0	5	0	-	5	19	1	-	20	32
% Bicycles on Road	0.1	0.2	-	0.2	0.0	0.1	0.0	-	0.1	0.2	100.0	-	0.2	0.2
Bicycles on Crosswalk	-	-	16	-	-	-	-	2	-	-	-	10	-	-
% Bicycles on Crosswalk	-	-	11.1	-	-	-	-	5.3	-	-	-	11.9	-	-
Pedestrians	-	-	128	-	-	-	-	36	-	-	-	74	-	-
% Pedestrians	-	-	88.9	-	-	-	-	94.7	-	-	-	88.1	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3FX
 SE

Count Name: TMC_16
 Broadway & Swift_11-19-
 19
 Site Code: TMC_16
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3FX
 SE

Count Name: TMC_16
 Broadway & Swift_11-19-19
 Site Code: TMC_16
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (8:00 AM)

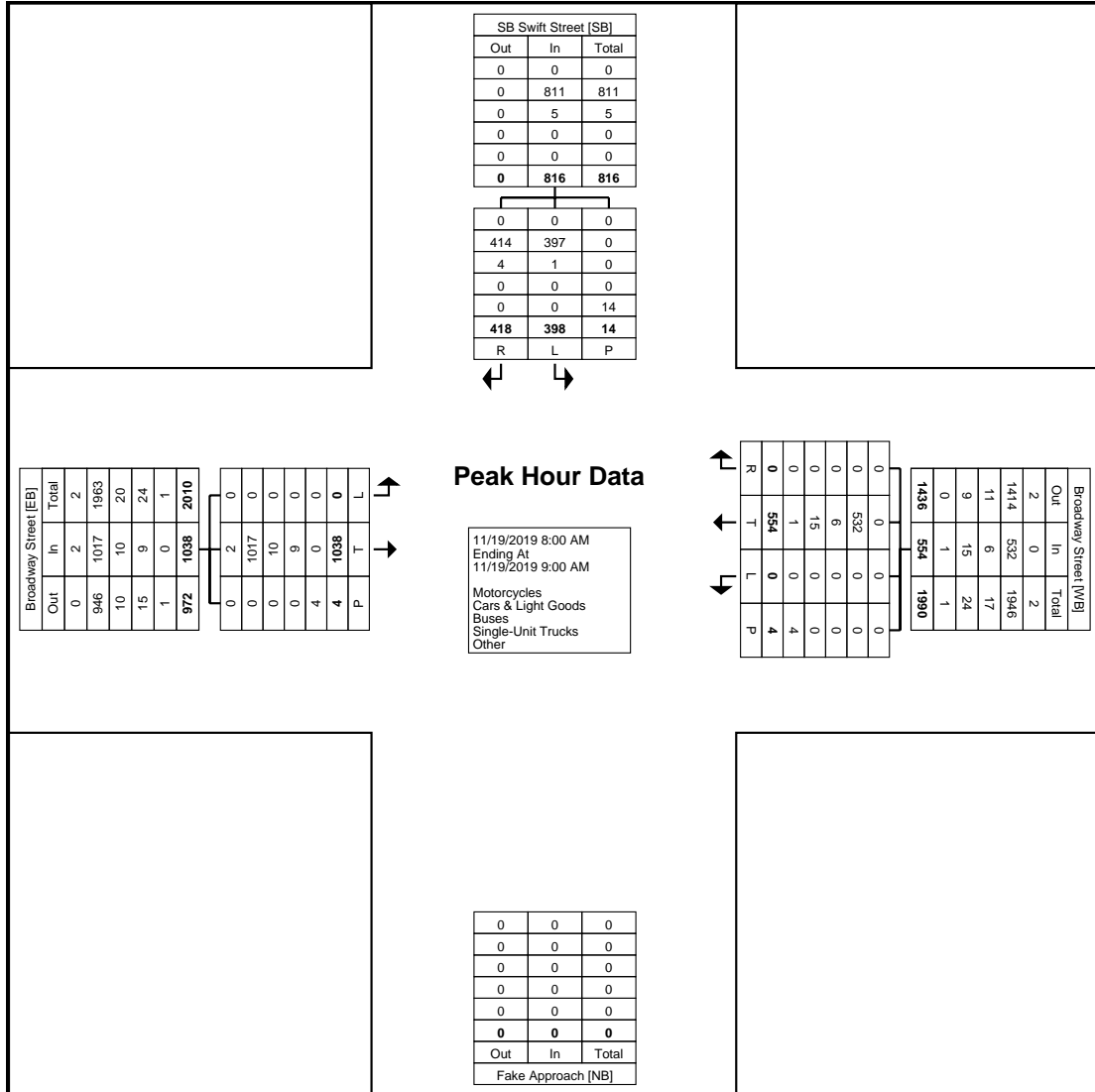
Start Time	SB Swift Street Southbound				Broadway Street Westbound					Broadway Street Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Thru	Left	Peds	App. Total	
8:00 AM	117	106	2	223	0	120	0	0	120	268	0	1	268	611
8:15 AM	98	105	3	203	0	135	0	2	135	256	0	0	256	594
8:30 AM	88	82	7	170	0	144	0	0	144	244	0	0	244	558
8:45 AM	115	105	2	220	0	155	0	2	155	270	0	3	270	645
Total	418	398	14	816	0	554	0	4	554	1038	0	4	1038	2408
Approach %	51.2	48.8	-	-	0.0	100.0	0.0	-	-	100.0	0.0	-	-	-
Total %	17.4	16.5	-	33.9	0.0	23.0	0.0	-	23.0	43.1	0.0	-	43.1	-
PHF	0.893	0.939	-	0.915	0.000	0.894	0.000	-	0.894	0.961	0.000	-	0.961	0.933
Motorcycles	0	0	-	0	0	0	0	-	0	2	0	-	2	2
% Motorcycles	0.0	0.0	-	0.0	-	0.0	-	-	0.0	0.2	-	-	0.2	0.1
Cars & Light Goods	414	397	-	811	0	532	0	-	532	1017	0	-	1017	2360
% Cars & Light Goods	99.0	99.7	-	99.4	-	96.0	-	-	96.0	98.0	-	-	98.0	98.0
Buses	4	1	-	5	0	6	0	-	6	10	0	-	10	21
% Buses	1.0	0.3	-	0.6	-	1.1	-	-	1.1	1.0	-	-	1.0	0.9
Single-Unit Trucks	0	0	-	0	0	15	0	-	15	9	0	-	9	24
% Single-Unit Trucks	0.0	0.0	-	0.0	-	2.7	-	-	2.7	0.9	-	-	0.9	1.0
Articulated Trucks	0	0	-	0	0	1	0	-	1	0	0	-	0	1
% Articulated Trucks	0.0	0.0	-	0.0	-	0.2	-	-	0.2	0.0	-	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	2	-	-	-	-	0	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	14.3	-	-	-	-	0.0	-	-	-	25.0	-	-
Pedestrians	-	-	12	-	-	-	-	4	-	-	-	3	-	-
% Pedestrians	-	-	85.7	-	-	-	-	100.0	-	-	-	75.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3FX
 SE

Count Name: TMC_16
 Broadway & Swift_11-19-19
 Site Code: TMC_16
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (8:00 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3FX
 SE

Count Name: TMC_16
 Broadway & Swift_11-19-19
 Site Code: TMC_16
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:15 AM)

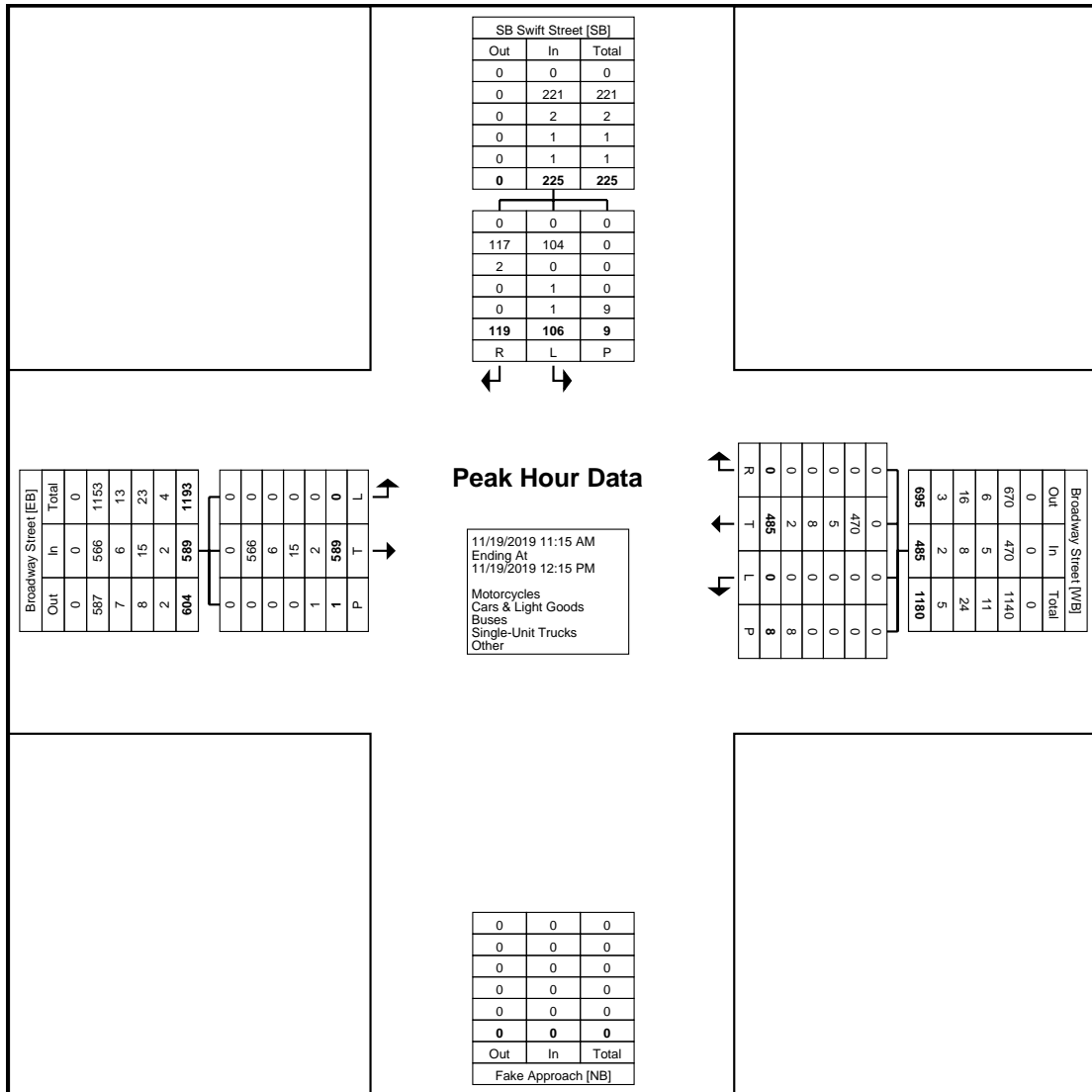
Start Time	SB Swift Street Southbound				Broadway Street Westbound					Broadway Street Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Thru	Left	Peds	App. Total	
11:15 AM	34	27	1	61	0	113	0	2	113	148	0	0	148	322
11:30 AM	37	17	2	54	0	116	0	4	116	155	0	1	155	325
11:45 AM	19	33	4	52	0	121	0	1	121	139	0	0	139	312
12:00 PM	29	29	2	58	0	135	0	1	135	147	0	0	147	340
Total	119	106	9	225	0	485	0	8	485	589	0	1	589	1299
Approach %	52.9	47.1	-	-	0.0	100.0	0.0	-	-	100.0	0.0	-	-	-
Total %	9.2	8.2	-	17.3	0.0	37.3	0.0	-	37.3	45.3	0.0	-	45.3	-
PHF	0.804	0.803	-	0.922	0.000	0.898	0.000	-	0.898	0.950	0.000	-	0.950	0.955
Motorcycles	0	0	-	0	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	117	104	-	221	0	470	0	-	470	566	0	-	566	1257
% Cars & Light Goods	98.3	98.1	-	98.2	-	96.9	-	-	96.9	96.1	-	-	96.1	96.8
Buses	2	0	-	2	0	5	0	-	5	6	0	-	6	13
% Buses	1.7	0.0	-	0.9	-	1.0	-	-	1.0	1.0	-	-	1.0	1.0
Single-Unit Trucks	0	1	-	1	0	8	0	-	8	15	0	-	15	24
% Single-Unit Trucks	0.0	0.9	-	0.4	-	1.6	-	-	1.6	2.5	-	-	2.5	1.8
Articulated Trucks	0	0	-	0	0	1	0	-	1	1	0	-	1	2
% Articulated Trucks	0.0	0.0	-	0.0	-	0.2	-	-	0.2	0.2	-	-	0.2	0.2
Bicycles on Road	0	1	-	1	0	1	0	-	1	1	0	-	1	3
% Bicycles on Road	0.0	0.9	-	0.4	-	0.2	-	-	0.2	0.2	-	-	0.2	0.2
Bicycles on Crosswalk	-	-	0	-	-	-	-	2	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	-	25.0	-	-	-	0.0	-	-
Pedestrians	-	-	9	-	-	-	-	6	-	-	-	1	-	-
% Pedestrians	-	-	100.0	-	-	-	-	75.0	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3FX
 SE

Count Name: TMC_16
 Broadway & Swift_11-19-19
 Site Code: TMC_16
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3FX
 SE

Count Name: TMC_16
 Broadway & Swift_11-19-19
 Site Code: TMC_16
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (5:00 PM)

Start Time	SB Swift Street Southbound				Broadway Street Westbound					Broadway Street Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Thru	Left	Peds	App. Total	
5:00 PM	45	14	4	59	0	273	0	1	273	243	0	2	243	575
5:15 PM	62	18	4	80	0	248	0	1	248	233	0	2	233	561
5:30 PM	62	30	6	92	0	212	0	1	212	241	0	3	241	545
5:45 PM	52	22	4	74	0	260	0	3	260	250	0	1	250	584
Total	221	84	18	305	0	993	0	6	993	967	0	8	967	2265
Approach %	72.5	27.5	-	-	0.0	100.0	0.0	-	-	100.0	0.0	-	-	-
Total %	9.8	3.7	-	13.5	0.0	43.8	0.0	-	43.8	42.7	0.0	-	42.7	-
PHF	0.891	0.700	-	0.829	0.000	0.909	0.000	-	0.909	0.967	0.000	-	0.967	0.970
Motorcycles	0	0	-	0	0	4	0	-	4	1	0	-	1	5
% Motorcycles	0.0	0.0	-	0.0	-	0.4	-	-	0.4	0.1	-	-	0.1	0.2
Cars & Light Goods	219	81	-	300	0	985	0	-	985	950	0	-	950	2235
% Cars & Light Goods	99.1	96.4	-	98.4	-	99.2	-	-	99.2	98.2	-	-	98.2	98.7
Buses	2	2	-	4	0	4	0	-	4	14	0	-	14	22
% Buses	0.9	2.4	-	1.3	-	0.4	-	-	0.4	1.4	-	-	1.4	1.0
Single-Unit Trucks	0	1	-	1	0	0	0	-	0	1	0	-	1	2
% Single-Unit Trucks	0.0	1.2	-	0.3	-	0.0	-	-	0.0	0.1	-	-	0.1	0.1
Articulated Trucks	0	0	-	0	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	0	-	0	1	0	-	1	1
% Bicycles on Road	0.0	0.0	-	0.0	-	0.0	-	-	0.0	0.1	-	-	0.1	0.0
Bicycles on Crosswalk	-	-	4	-	-	-	-	0	-	-	-	2	-	-
% Bicycles on Crosswalk	-	-	22.2	-	-	-	-	0.0	-	-	-	25.0	-	-
Pedestrians	-	-	14	-	-	-	-	6	-	-	-	6	-	-
% Pedestrians	-	-	77.8	-	-	-	-	100.0	-	-	-	75.0	-	-



Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU3FX
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_16
Broadway & Swift_11-19-
19
Site Code: TMC_16
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Signalized controlled "T" intersection, ped. signals for north & east (push buttons) legs. VCU camera was located within SE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_16 Broadway & Swift_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728551, Location: 42.28905, -83.739496, Site Code: TMC_16 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	SB Swift Street Southbound					Broadway Street Westbound					Broadway Street Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-19 6:00AM	9	52	0	61	0	0	14	0	14	0	37	0	0	37	0	112
6:15AM	19	69	0	88	0	0	18	0	18	1	69	0	0	69	1	175
6:30AM	22	66	0	88	0	0	38	0	38	0	71	0	0	71	4	197
6:45AM	44	86	0	130	0	0	40	0	40	0	101	0	0	101	0	271
Hourly Total	94	273	0	367	0	0	110	0	110	1	278	0	0	278	5	755
7:00AM	45	86	0	131	0	0	58	0	58	0	100	0	0	100	2	289
7:15AM	69	102	0	171	5	0	72	0	72	1	159	0	0	159	1	402
7:30AM	75	98	0	173	3	0	110	0	110	0	217	0	0	217	1	500
7:45AM	94	122	0	216	3	0	109	0	109	0	265	0	0	265	4	590
Hourly Total	283	408	0	691	11	0	349	0	349	1	741	0	0	741	8	1781
8:00AM	117	106	0	223	2	0	120	0	120	0	268	0	0	268	1	611
8:15AM	98	105	0	203	3	0	135	0	135	2	256	0	0	256	0	594
8:30AM	88	82	0	170	7	0	144	0	144	0	244	0	0	244	0	558
8:45AM	115	105	0	220	2	0	155	0	155	2	270	0	0	270	3	645
Hourly Total	418	398	0	816	14	0	554	0	554	4	1038	0	0	1038	4	2408
9:00AM	60	47	0	107	3	0	140	0	140	1	217	0	0	217	1	464
9:15AM	50	33	0	83	4	0	112	0	112	1	166	0	0	166	0	361
9:30AM	45	44	0	89	3	0	92	0	92	0	137	0	0	137	3	318
9:45AM	48	32	0	80	4	0	104	0	104	0	160	0	0	160	0	344
Hourly Total	203	156	0	359	14	0	448	0	448	2	680	0	0	680	4	1487
10:00AM	19	33	0	52	5	0	102	0	102	2	152	0	0	152	1	306
10:15AM	28	45	0	73	0	0	87	0	87	2	144	0	0	144	1	304
10:30AM	29	25	0	54	4	0	118	0	118	0	137	0	0	137	0	309
10:45AM	22	20	0	42	6	0	92	0	92	1	109	0	0	109	2	243
Hourly Total	98	123	0	221	15	0	399	0	399	5	542	0	0	542	4	1162
11:00AM	34	19	0	53	5	0	87	0	87	0	127	0	0	127	1	267
11:15AM	34	27	0	61	1	0	113	0	113	2	148	0	0	148	0	322
11:30AM	37	17	0	54	2	0	116	0	116	4	155	0	0	155	1	325
11:45AM	19	33	0	52	4	0	121	0	121	1	139	0	0	139	0	312
Hourly Total	124	96	0	220	12	0	437	0	437	7	569	0	0	569	2	1226
12:00PM	29	29	0	58	2	0	135	0	135	1	147	0	0	147	0	340
12:15PM	23	20	0	43	2	0	104	0	104	2	148	0	0	148	1	295
12:30PM	25	24	0	49	2	0	120	0	120	0	161	0	0	161	0	330
12:45PM	25	25	0	50	0	0	112	0	112	0	140	0	0	140	2	302
Hourly Total	102	98	0	200	6	0	471	0	471	3	596	0	0	596	3	1267
1:00PM	32	21	0	53	2	0	91	0	91	0	152	0	0	152	2	296
1:15PM	30	37	0	67	2	1	100	1	102	0	139	0	0	139	1	308
1:30PM	34	16	0	50	2	0	86	0	86	1	146	0	0	146	0	282
1:45PM	25	24	0	49	2	0	104	0	104	0	123	0	0	123	1	276
Hourly Total	121	98	0	219	8	1	381	1	383	1	560	0	0	560	4	1162
2:00PM	26	19	0	45	1	0	130	0	130	0	126	0	0	126	3	301
2:15PM	23	22	0	45	1	0	101	0	101	2	153	0	0	153	0	299
2:30PM	35	24	0	59	7	0	116	0	116	2	171	0	0	171	3	346
2:45PM	40	27	0	67	3	0	125	0	125	1	153	0	0	153	5	345
Hourly Total	124	92	0	216	12	0	472	0	472	5	603	0	0	603	11	1291
3:00PM	33	26	0	59	1	0	133	0	133	0	206	0	0	206	3	398
3:15PM	43	24	0	67	3	0	180	0	180	0	180	0	0	180	0	427
3:30PM	72	32	0	104	2	0	175	0	175	1	194	0	0	194	1	473
3:45PM	33	17	0	50	2	0	196	0	196	0	182	0	0	182	0	428
Hourly Total	181	99	0	280	8	0	684	0	684	1	762	0	0	762	4	1726
4:00PM	32	17	0	49	3	0	190	0	190	0	206	1	0	207	2	446
4:15PM	39	27	0	66	6	0	207	0	207	1	224	0	0	224	5	497

Leg Direction	SB Swift Street Southbound					Broadway Street Westbound					Broadway Street Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
4:30PM	37	22	0	59	3	0	215	0	215	0	242	0	0	242	4	516
4:45PM	46	18	0	64	5	0	208	0	208	0	204	0	0	204	3	476
Hourly Total	154	84	0	238	17	0	820	0	820	1	876	1	0	877	14	1935
5:00PM	45	14	0	59	4	0	273	0	273	1	243	0	0	243	2	575
5:15PM	62	18	0	80	4	0	248	0	248	1	233	0	0	233	2	561
5:30PM	62	30	0	92	6	0	212	0	212	1	241	0	0	241	3	545
5:45PM	52	22	0	74	4	0	260	0	260	3	250	0	0	250	1	584
Hourly Total	221	84	0	305	18	0	993	0	993	6	967	0	0	967	8	2265
6:00PM	35	19	0	54	4	0	156	0	156	0	191	0	0	191	4	401
6:15PM	36	29	0	65	1	0	147	0	147	0	193	0	0	193	4	405
6:30PM	38	24	0	62	1	0	140	0	140	0	162	0	0	162	1	364
6:45PM	32	18	0	50	3	0	140	0	140	1	159	0	0	159	4	349
Hourly Total	141	90	0	231	9	0	583	0	583	1	705	0	0	705	13	1519
Total	2264	2099	0	4363	144	1	6701	1	6703	38	8917	1	0	8918	84	19984
% Approach	51.9%	48.1%	0%	-	-	0%	100.0%	0%	-	-	100.0%	0%	0%	-	-	-
% Total	11.3%	10.5%	0%	21.8%	-	0%	33.5%	0%	33.5%	-	44.6%	0%	0%	44.6%	-	-
Motorcycles	2	1	0	3	-	0	6	0	6	-	6	0	0	6	-	15
% Motorcycles	0.1%	0%	0%	0.1%	-	0%	0.1%	0%	0.1%	-	0.1%	0%	0%	0.1%	-	0.1%
Lights	2215	2064	0	4279	-	1	6546	1	6548	-	8650	0	0	8650	-	19477
% Lights	97.8%	98.3%	0%	98.1%	-	100%	97.7%	100%	97.7%	-	97.0%	0%	0%	97.0%	-	97.5%
Single-Unit Trucks	8	15	0	23	-	0	84	0	84	-	103	0	0	103	-	210
% Single-Unit Trucks	0.4%	0.7%	0%	0.5%	-	0%	1.3%	0%	1.3%	-	1.2%	0%	0%	1.2%	-	1.1%
Articulated Trucks	3	1	0	4	-	0	9	0	9	-	16	0	0	16	-	29
% Articulated Trucks	0.1%	0%	0%	0.1%	-	0%	0.1%	0%	0.1%	-	0.2%	0%	0%	0.2%	-	0.1%
Buses	33	14	0	47	-	0	51	0	51	-	123	0	0	123	-	221
% Buses	1.5%	0.7%	0%	1.1%	-	0%	0.8%	0%	0.8%	-	1.4%	0%	0%	1.4%	-	1.1%
Bicycles on Road	3	4	0	7	-	0	5	0	5	-	19	1	0	20	-	32
% Bicycles on Road	0.1%	0.2%	0%	0.2%	-	0%	0.1%	0%	0.1%	-	0.2%	100%	0%	0.2%	-	0.2%
Pedestrians	-	-	-	-	128	-	-	-	-	36	-	-	-	-	74	-
% Pedestrians	-	-	-	-	88.9%	-	-	-	-	94.7%	-	-	-	-	88.1%	-
Bicycles on Crosswalk	-	-	-	-	16	-	-	-	-	2	-	-	-	-	10	-
% Bicycles on Crosswalk	-	-	-	-	11.1%	-	-	-	-	5.3%	-	-	-	-	11.9%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_16 Broadway & Swift_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

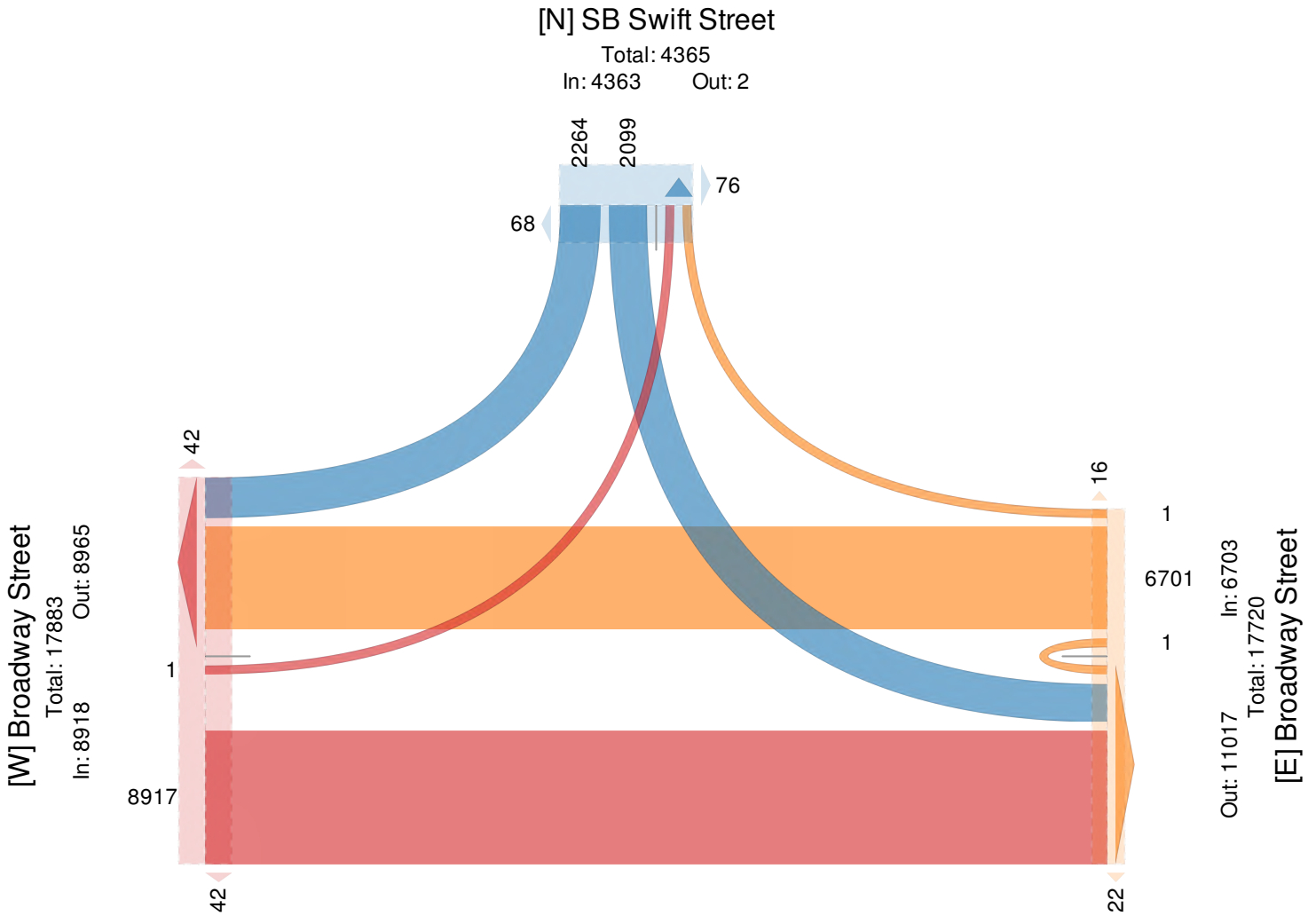
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728551, Location: 42.28905, -83.739496, Site Code: TMC_16 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_16 Broadway & Swift_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (8 AM - 9 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728551, Location: 42.28905, -83.739496, Site Code: TMC_16 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	SB Swift Street Southbound					Broadway Street Westbound					Broadway Street Eastbound					
Time	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	Int
2019-11-19 8:00AM	117	106	0	223	2	0	120	0	120	0	268	0	0	268	1	611
8:15AM	98	105	0	203	3	0	135	0	135	2	256	0	0	256	0	594
8:30AM	88	82	0	170	7	0	144	0	144	0	244	0	0	244	0	558
8:45AM	115	105	0	220	2	0	155	0	155	2	270	0	0	270	3	645
Total	418	398	0	816	14	0	554	0	554	4	1038	0	0	1038	4	2408
% Approach	51.2%	48.8%	0%	-	-	0%	100%	0%	-	-	100%	0%	0%	-	-	-
% Total	17.4%	16.5%	0%	33.9%	-	0%	23.0%	0%	23.0%	-	43.1%	0%	0%	43.1%	-	-
PHF	0.893	0.939	-	0.915	-	-	0.894	-	0.894	-	0.961	-	-	0.961	-	0.933
Motorcycles	0	0	0	0	-	0	0	0	0	-	2	0	0	2	-	2
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.2%	0%	0%	0.2%	-	0.1%
Lights	414	397	0	811	-	0	532	0	532	-	1017	0	0	1017	-	2360
% Lights	99.0%	99.7%	0%	99.4%	-	0%	96.0%	0%	96.0%	-	98.0%	0%	0%	98.0%	-	98.0%
Single-Unit Trucks	0	0	0	0	-	0	15	0	15	-	9	0	0	9	-	24
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	2.7%	0%	2.7%	-	0.9%	0%	0%	0.9%	-	1.0%
Articulated Trucks	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0%	0.2%	0%	0.2%	-	0%	0%	0%	0%	-	0%
Buses	4	1	0	5	-	0	6	0	6	-	10	0	0	10	-	21
% Buses	1.0%	0.3%	0%	0.6%	-	0%	1.1%	0%	1.1%	-	1.0%	0%	0%	1.0%	-	0.9%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	12	-	-	-	-	4	-	-	-	-	3	-
% Pedestrians	-	-	-	-	85.7%	-	-	-	-	100%	-	-	-	-	75.0%	-
Bicycles on Crosswalk	-	-	-	-	2	-	-	-	-	0	-	-	-	-	1	-
% Bicycles on Crosswalk	-	-	-	-	14.3%	-	-	-	-	0%	-	-	-	-	25.0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_16 Broadway & Swift_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (8 AM - 9 AM) - Overall Peak Hour

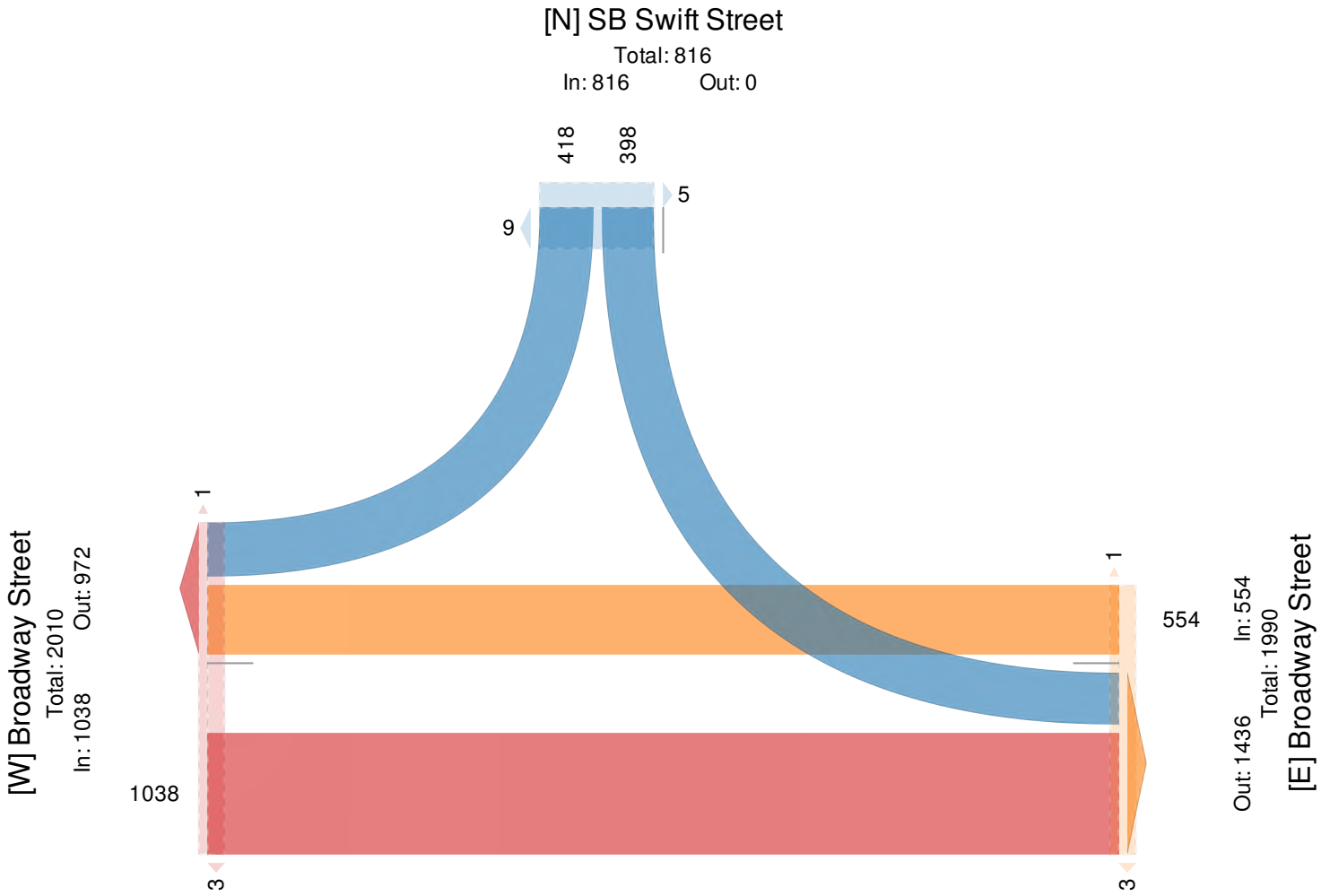
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728551, Location: 42.28905, -83.739496, Site Code: TMC_16 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_16 Broadway & Swift_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728551, Location: 42.28905, -83.739496, Site Code: TMC_16 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	SB Swift Street Southbound					Broadway Street Westbound					Broadway Street Eastbound					
Time	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	Int
2019-11-19 11:15AM	34	27	0	61	1	0	113	0	113	2	148	0	0	148	0	322
11:30AM	37	17	0	54	2	0	116	0	116	4	155	0	0	155	1	325
11:45AM	19	33	0	52	4	0	121	0	121	1	139	0	0	139	0	312
12:00PM	29	29	0	58	2	0	135	0	135	1	147	0	0	147	0	340
Total	119	106	0	225	9	0	485	0	485	8	589	0	0	589	1	1299
% Approach	52.9%	47.1%	0%	-	-	0%	100%	0%	-	-	100%	0%	0%	-	-	-
% Total	9.2%	8.2%	0%	17.3%	-	0%	37.3%	0%	37.3%	-	45.3%	0%	0%	45.3%	-	-
PHF	0.804	0.795	-	0.933	-	-	0.896	-	0.896	-	0.948	-	-	0.948	-	0.956
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	117	104	0	221	-	0	470	0	470	-	566	0	0	566	-	1257
% Lights	98.3%	98.1%	0%	98.2%	-	0%	96.9%	0%	96.9%	-	96.1%	0%	0%	96.1%	-	96.8%
Single-Unit Trucks	0	1	0	1	-	0	8	0	8	-	15	0	0	15	-	24
% Single-Unit Trucks	0%	0.9%	0%	0.4%	-	0%	1.6%	0%	1.6%	-	2.5%	0%	0%	2.5%	-	1.8%
Articulated Trucks	0	0	0	0	-	0	1	0	1	-	1	0	0	1	-	2
% Articulated Trucks	0%	0%	0%	0%	-	0%	0.2%	0%	0.2%	-	0.2%	0%	0%	0.2%	-	0.2%
Buses	2	0	0	2	-	0	5	0	5	-	6	0	0	6	-	13
% Buses	1.7%	0%	0%	0.9%	-	0%	1.0%	0%	1.0%	-	1.0%	0%	0%	1.0%	-	1.0%
Bicycles on Road	0	1	0	1	-	0	1	0	1	-	1	0	0	1	-	3
% Bicycles on Road	0%	0.9%	0%	0.4%	-	0%	0.2%	0%	0.2%	-	0.2%	0%	0%	0.2%	-	0.2%
Pedestrians	-	-	-	-	9	-	-	-	-	6	-	-	-	-	1	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	75.0%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	2	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	25.0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_16 Broadway & Swift_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728551, Location: 42.28905, -83.739496, Site Code: TMC_16 Traffic Data Collection, LLC

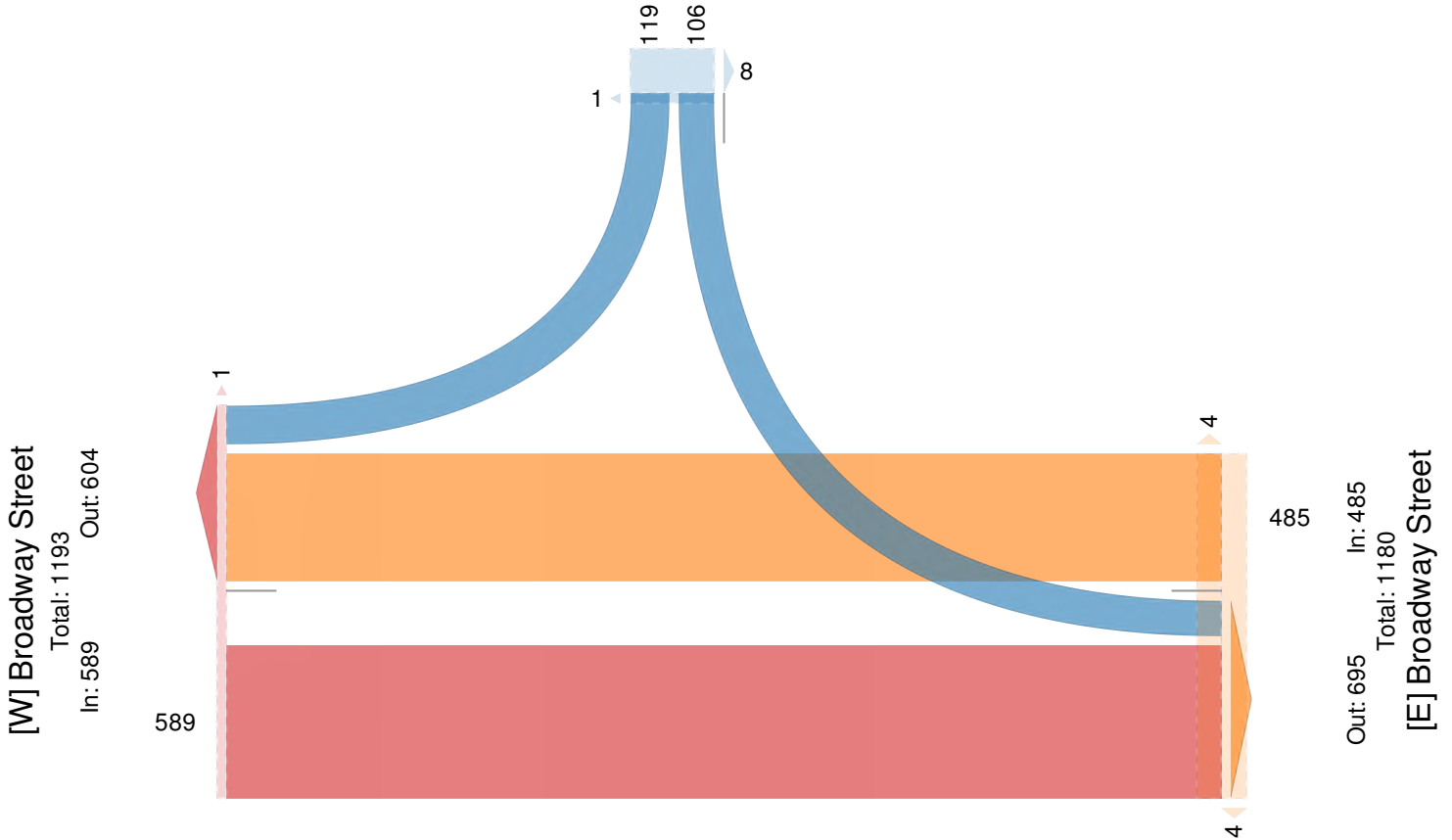


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] SB Swift Street

Total: 225

In: 225 Out: 0



TMC_16 Broadway & Swift_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728551, Location: 42.28905, -83.739496, Site Code: TMC_16 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	SB Swift Street Southbound					Broadway Street Westbound					Broadway Street Eastbound					
Time	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	Int
2019-11-19 5:00PM	45	14	0	59	4	0	273	0	273	1	243	0	0	243	2	575
5:15PM	62	18	0	80	4	0	248	0	248	1	233	0	0	233	2	561
5:30PM	62	30	0	92	6	0	212	0	212	1	241	0	0	241	3	545
5:45PM	52	22	0	74	4	0	260	0	260	3	250	0	0	250	1	584
Total	221	84	0	305	18	0	993	0	993	6	967	0	0	967	8	2265
% Approach	72.5%	27.5%	0%	-	-	0%	100%	0%	-	-	100%	0%	0%	-	-	-
% Total	9.8%	3.7%	0%	13.5%	-	0%	43.8%	0%	43.8%	-	42.7%	0%	0%	42.7%	-	-
PHF	0.891	0.700	-	0.829	-	-	0.909	-	0.909	-	0.970	-	-	0.970	-	0.971
Motorcycles	0	0	0	0	-	0	4	0	4	-	1	0	0	1	-	5
% Motorcycles	0%	0%	0%	0%	-	0%	0.4%	0%	0.4%	-	0.1%	0%	0%	0.1%	-	0.2%
Lights	219	81	0	300	-	0	985	0	985	-	950	0	0	950	-	2235
% Lights	99.1%	96.4%	0%	98.4%	-	0%	99.2%	0%	99.2%	-	98.2%	0%	0%	98.2%	-	98.7%
Single-Unit Trucks	0	1	0	1	-	0	0	0	0	-	1	0	0	1	-	2
% Single-Unit Trucks	0%	1.2%	0%	0.3%	-	0%	0%	0%	0%	-	0.1%	0%	0%	0.1%	-	0.1%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	2	2	0	4	-	0	4	0	4	-	14	0	0	14	-	22
% Buses	0.9%	2.4%	0%	1.3%	-	0%	0.4%	0%	0.4%	-	1.4%	0%	0%	1.4%	-	1.0%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	1	0	0	1	-	1
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%	0%	0%	0.1%	-	0%
Pedestrians	-	-	-	-	14	-	-	-	-	6	-	-	-	-	6	-
% Pedestrians	-	-	-	-	77.8%	-	-	-	-	100%	-	-	-	-	75.0%	-
Bicycles on Crosswalk	-	-	-	-	4	-	-	-	-	0	-	-	-	-	2	-
% Bicycles on Crosswalk	-	-	-	-	22.2%	-	-	-	-	0%	-	-	-	-	25.0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_16 Broadway & Swift_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728551, Location: 42.28905, -83.739496, Site Code: TMC_16 Traffic Data Collection, LLC

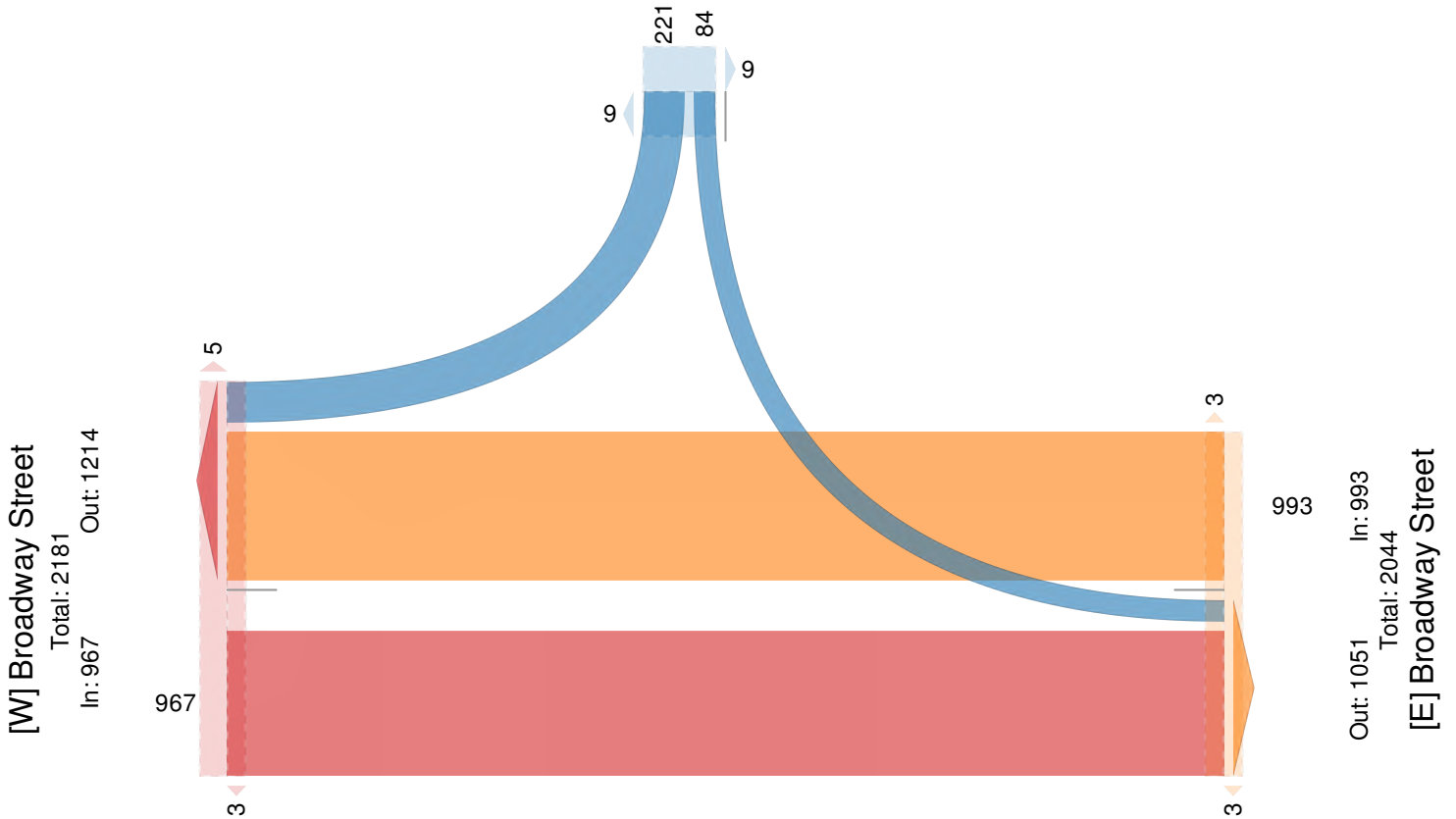


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] SB Swift Street

Total: 305

In: 305 Out: 0





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3EP
 SE

Count Name: TMC_17
 Broadway &
 Detroit_Summit_11-19-19
 Site Code: TMC_17
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	S. Summit Street Southbound					WB Broadway Street Westbound					Detroit Street Northbound					WB Beakes Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
6:00 AM	0	0	0	3	0	4	22	0	1	26	0	1	1	0	2	0	0	0	0	0	28
6:15 AM	1	1	0	1	2	0	31	2	1	33	0	1	2	3	3	0	0	0	2	0	38
6:30 AM	1	0	0	0	1	1	55	8	0	64	0	1	2	0	3	0	0	0	0	0	68
6:45 AM	1	0	0	0	1	3	59	10	2	72	0	0	2	1	2	0	0	0	0	0	75
Hourly Total	3	1	0	4	4	8	167	20	4	195	0	3	7	4	10	0	0	0	2	0	209
7:00 AM	3	0	0	0	3	8	85	9	5	102	0	1	0	5	1	0	0	0	1	0	106
7:15 AM	0	0	0	2	0	9	108	11	5	128	0	2	5	1	7	0	0	0	1	0	135
7:30 AM	1	1	0	4	2	8	173	21	2	202	0	1	7	1	8	0	0	0	3	0	212
7:45 AM	0	0	0	3	0	14	202	15	6	231	0	3	8	2	11	0	0	0	4	0	242
Hourly Total	4	1	0	9	5	39	568	56	18	663	0	7	20	9	27	0	0	0	9	0	695
8:00 AM	2	1	0	2	3	8	198	13	3	219	0	2	6	0	8	0	0	0	7	0	230
8:15 AM	1	0	0	6	1	10	215	24	4	249	0	0	7	0	7	0	0	0	5	0	257
8:30 AM	4	1	0	3	5	7	202	19	6	228	0	3	6	3	9	0	0	0	7	0	242
8:45 AM	2	1	0	3	3	7	238	11	4	256	0	1	7	3	8	0	0	0	0	0	267
Hourly Total	9	3	0	14	12	32	853	67	17	952	0	6	26	6	32	0	0	0	19	0	996
9:00 AM	4	2	0	1	6	4	187	17	3	208	0	2	3	3	5	0	0	0	3	0	219
9:15 AM	2	1	0	4	3	4	142	10	2	156	0	2	11	5	13	0	0	0	1	0	172
9:30 AM	1	1	0	0	2	8	133	9	6	150	0	2	4	5	6	0	0	0	1	0	158
9:45 AM	1	0	0	0	1	5	139	8	3	152	0	2	6	3	8	0	0	0	0	0	161
Hourly Total	8	4	0	5	12	21	601	44	14	666	0	8	24	16	32	0	0	0	5	0	710
10:00 AM	1	1	0	0	2	7	99	4	2	110	0	3	3	0	6	0	0	0	1	0	118
10:15 AM	0	2	0	0	2	7	92	14	2	113	1	1	1	3	3	0	0	0	0	0	118
10:30 AM	3	0	0	2	3	8	125	8	2	141	0	0	7	1	7	0	0	0	1	0	151
10:45 AM	1	2	0	1	3	7	111	8	2	126	0	3	2	4	5	0	0	0	1	0	134
Hourly Total	5	5	0	3	10	29	427	34	8	490	1	7	13	8	21	0	0	0	3	0	521
11:00 AM	1	1	0	0	2	3	113	7	2	123	0	1	2	1	3	0	0	0	0	0	128
11:15 AM	1	1	0	1	2	7	120	10	1	137	0	2	3	1	5	0	0	0	1	0	144
11:30 AM	1	2	0	0	3	12	132	18	2	162	0	3	8	4	11	0	0	0	2	0	176
11:45 AM	2	1	0	4	3	13	112	5	2	130	0	4	7	1	11	0	0	0	1	0	144
Hourly Total	5	5	0	5	10	35	477	40	7	552	0	10	20	7	30	0	0	0	4	0	592
12:00 PM	2	0	0	2	2	6	148	13	1	167	0	5	6	1	11	0	0	0	2	0	180
12:15 PM	0	1	0	1	1	8	120	3	3	131	0	1	3	7	4	0	0	0	3	0	136
12:30 PM	3	2	0	4	5	9	134	8	1	151	0	6	8	0	14	0	0	0	1	0	170
12:45 PM	4	1	0	1	5	8	113	9	0	130	0	4	7	0	11	0	0	0	2	0	146
Hourly Total	9	4	0	8	13	31	515	33	5	579	0	16	24	8	40	0	0	0	8	0	632
1:00 PM	1	2	0	2	3	11	115	8	5	134	0	4	8	2	12	0	0	0	1	0	149
1:15 PM	2	1	0	1	3	11	100	12	1	123	0	9	5	0	14	0	0	0	1	0	140
1:30 PM	2	0	0	4	2	4	107	4	2	115	0	4	3	4	7	0	0	0	5	0	124
1:45 PM	1	2	0	1	3	9	110	10	4	129	0	3	10	4	13	0	0	0	2	0	145
Hourly Total	6	5	0	8	11	35	432	34	12	501	0	20	26	10	46	0	0	0	9	0	558
2:00 PM	3	3	0	1	6	10	139	4	2	153	0	8	11	2	19	0	0	0	1	0	178
2:15 PM	1	1	0	1	2	3	121	6	6	130	0	4	7	4	11	0	0	0	1	0	143
2:30 PM	1	0	0	0	1	11	131	10	2	152	0	9	6	2	15	0	0	0	1	0	168
2:45 PM	3	0	0	4	3	8	153	7	6	168	1	3	13	3	17	0	0	0	3	0	188
Hourly Total	8	4	0	6	12	32	544	27	16	603	1	24	37	11	62	0	0	0	6	0	677
3:00 PM	1	1	0	0	2	5	132	9	2	146	0	11	13	3	24	0	0	0	4	0	172
3:15 PM	3	0	0	3	3	11	216	12	4	239	0	10	17	5	27	0	0	0	3	0	269
3:30 PM	2	0	0	3	2	13	225	9	1	247	0	4	25	3	29	0	0	0	4	0	278
3:45 PM	5	1	0	3	6	3	205	3	3	211	1	5	33	2	39	0	0	0	2	0	256
Hourly Total	11	2	0	9	13	32	778	33	10	843	1	30	88	13	119	0	0	0	13	0	975
4:00 PM	1	0	0	2	1	6	205	4	14	215	0	7	28	11	35	0	0	0	1	0	251
4:15 PM	3	0	0	1	3	9	248	5	9	262	0	10	39	2	49	0	0	0	1	0	314
4:30 PM	0	0	0	4	0	5	235	9	5	249	0	20	39	2	59	0	0	0	2	0	308
4:45 PM	1	0	0	1	1	13	236	9	9	258	0	8	55	2	63	0	0	0	2	0	322
Hourly Total	5	0	0	8	5	33	924	27	37	984	0	45	161	17	206	0	0	0	6	0	1195
5:00 PM	6	1	0	3	7	8	263	7	8	278	1	7	28	2	36	0	0	0	5	0	321
5:15 PM	3	1	0	4	4	13	304	11	9	328	0	7	24	3	31	0	0	0	1	0	363

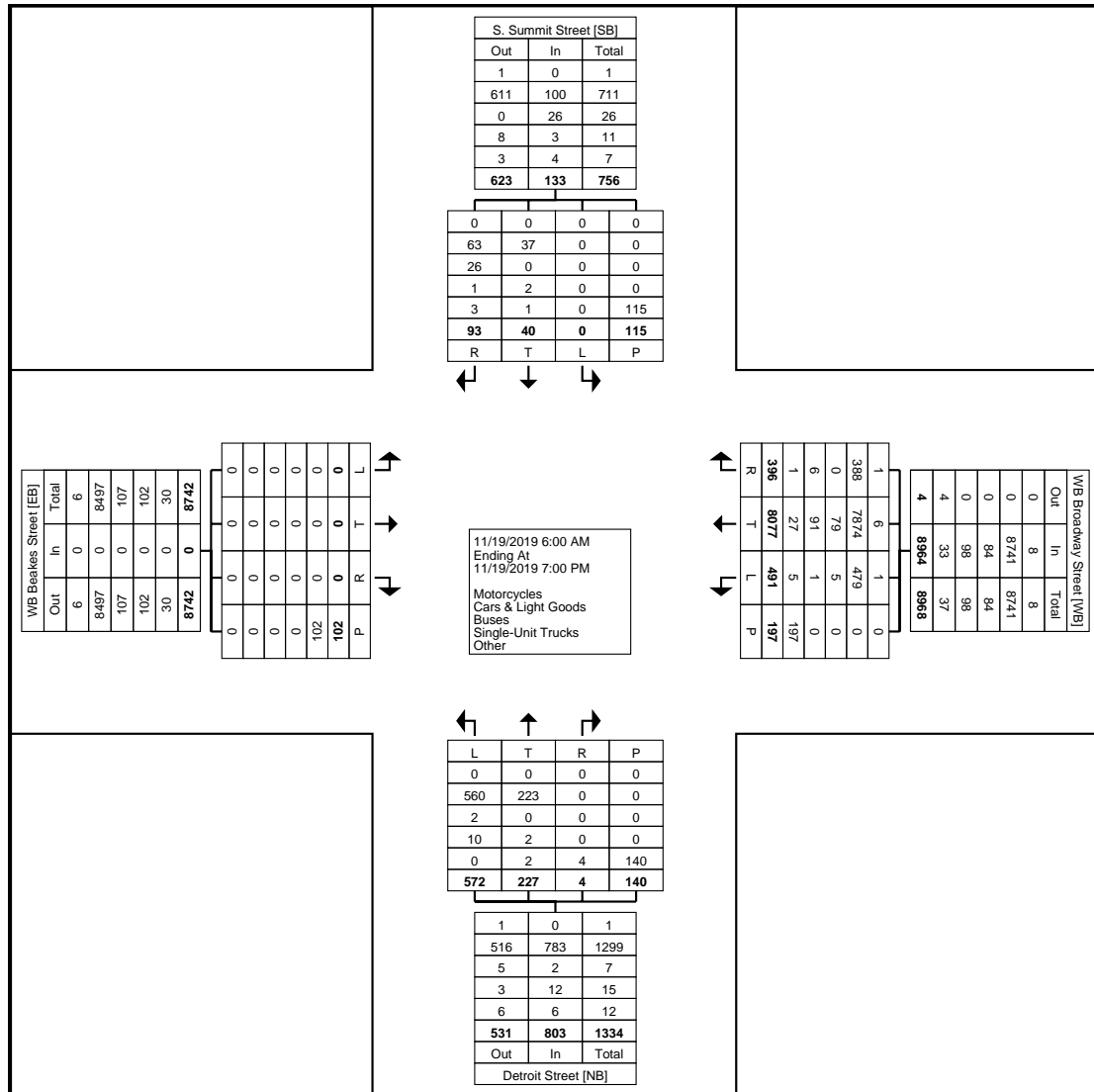
5:30 PM	1	0	0	5	1	10	266	9	7	285	0	15	26	7	41	0	0	0	4	0	327
5:45 PM	2	0	0	2	2	8	275	15	9	298	0	5	17	5	22	0	0	0	2	0	322
Hourly Total	12	2	0	14	14	39	1108	42	33	1189	1	34	95	17	130	0	0	0	12	0	1333
6:00 PM	3	0	0	3	3	6	199	12	3	217	0	4	16	2	20	0	0	0	1	0	240
6:15 PM	0	2	0	3	2	12	169	5	5	186	0	4	7	2	11	0	0	0	2	0	199
6:30 PM	1	1	0	13	2	6	156	8	3	170	0	4	6	2	10	0	0	0	0	0	182
6:45 PM	4	1	0	3	5	6	159	9	5	174	0	5	2	8	7	0	0	0	3	0	186
Hourly Total	8	4	0	22	12	30	683	34	16	747	0	17	31	14	48	0	0	0	6	0	807
Grand Total	93	40	0	115	133	396	8077	491	197	8964	4	227	572	140	803	0	0	0	102	0	9900
Approach %	69.9	30.1	0.0	-	-	4.4	90.1	5.5	-	-	0.5	28.3	71.2	-	-	0.0	0.0	0.0	-	-	-
Total %	0.9	0.4	0.0	-	1.3	4.0	81.6	5.0	-	90.5	0.0	2.3	5.8	-	8.1	0.0	0.0	0.0	-	0.0	-
Motorcycles	0	0	0	-	0	1	6	1	-	8	0	0	0	-	0	0	0	0	-	0	8
% Motorcycles	0.0	0.0	-	-	0.0	0.3	0.1	0.2	-	0.1	0.0	0.0	0.0	-	0.0	-	-	-	-	-	0.1
Cars & Light Goods	63	37	0	-	100	388	7874	479	-	8741	0	223	560	-	783	0	0	0	-	0	9624
% Cars & Light Goods	67.7	92.5	-	-	75.2	98.0	97.5	97.6	-	97.5	0.0	98.2	97.9	-	97.5	-	-	-	-	-	97.2
Buses	26	0	0	-	26	0	79	5	-	84	0	0	2	-	2	0	0	0	-	0	112
% Buses	28.0	0.0	-	-	19.5	0.0	1.0	1.0	-	0.9	0.0	0.0	0.3	-	0.2	-	-	-	-	-	1.1
Single-Unit Trucks	1	2	0	-	3	6	91	1	-	98	0	2	10	-	12	0	0	0	-	0	113
% Single-Unit Trucks	1.1	5.0	-	-	2.3	1.5	1.1	0.2	-	1.1	0.0	0.9	1.7	-	1.5	-	-	-	-	-	1.1
Articulated Trucks	0	0	0	-	0	1	10	2	-	13	0	1	0	-	1	0	0	0	-	0	14
% Articulated Trucks	0.0	0.0	-	-	0.0	0.3	0.1	0.4	-	0.1	0.0	0.4	0.0	-	0.1	-	-	-	-	-	0.1
Bicycles on Road	3	1	0	-	4	0	17	3	-	20	4	1	0	-	5	0	0	0	-	0	29
% Bicycles on Road	3.2	2.5	-	-	3.0	0.0	0.2	0.6	-	0.2	100.0	0.4	0.0	-	0.6	-	-	-	-	-	0.3
Bicycles on Crosswalk	-	-	-	19	-	-	-	-	30	-	-	-	-	10	-	-	-	-	2	-	-
% Bicycles on Crosswalk	-	-	-	16.5	-	-	-	-	15.2	-	-	-	-	7.1	-	-	-	-	2.0	-	-
Pedestrians	-	-	-	96	-	-	-	-	167	-	-	-	-	130	-	-	-	-	100	-	-
% Pedestrians	-	-	-	83.5	-	-	-	-	84.8	-	-	-	-	92.9	-	-	-	-	98.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3EP
 SE

Count Name: TMC_17
 Broadway &
 Detroit_Summit_11-19-19
 Site Code: TMC_17
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3EP
 SE

Count Name: TMC_17
 Broadway &
 Detroit_Summit_11-19-19
 Site Code: TMC_17
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (8:00 AM)

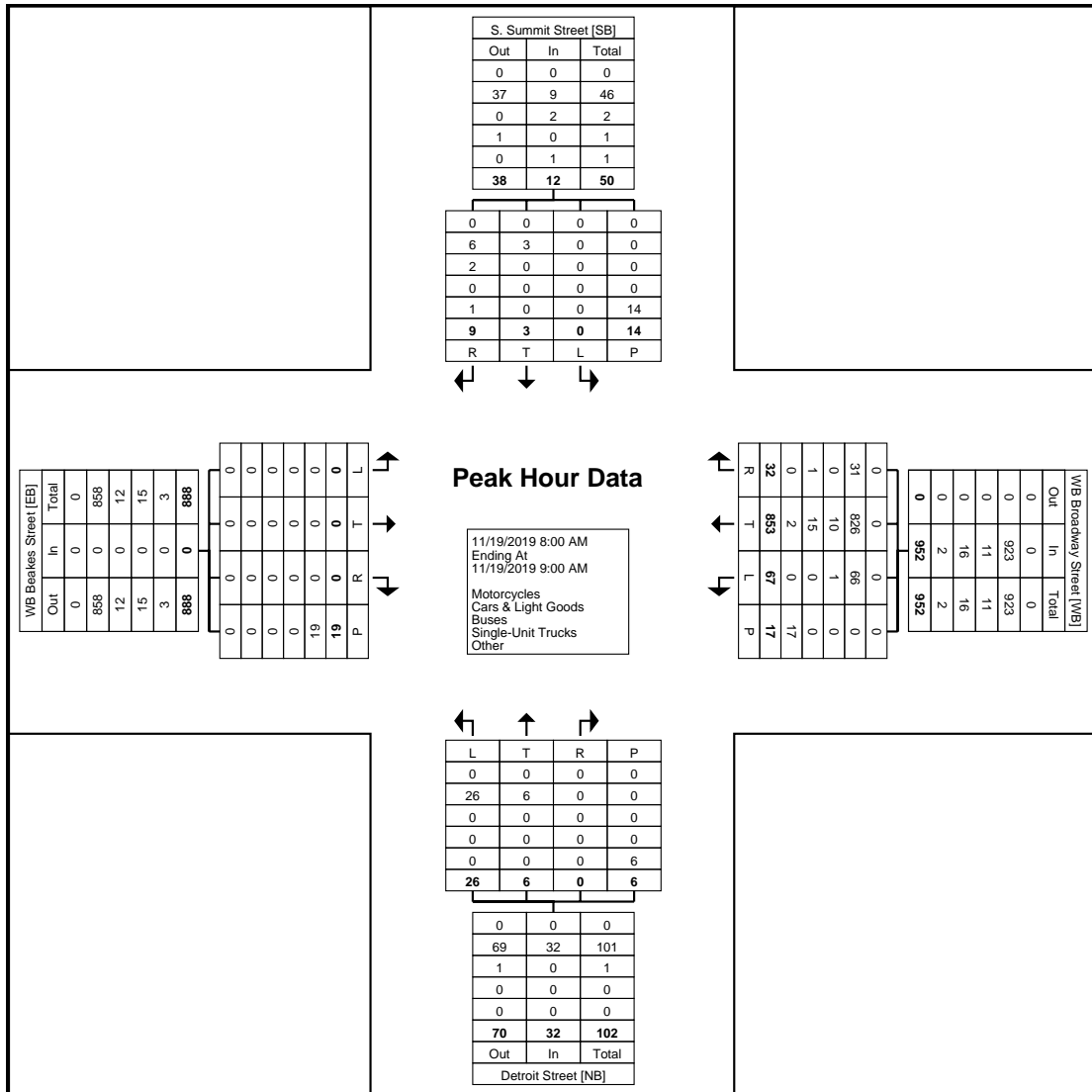
Start Time	S. Summit Street Southbound					WB Broadway Street Westbound					Detroit Street Northbound					WB Beakes Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
8:00 AM	2	1	0	2	3	8	198	13	3	219	0	2	6	0	8	0	0	0	7	0	230
8:15 AM	1	0	0	6	1	10	215	24	4	249	0	0	7	0	7	0	0	0	5	0	257
8:30 AM	4	1	0	3	5	7	202	19	6	228	0	3	6	3	9	0	0	0	7	0	242
8:45 AM	2	1	0	3	3	7	238	11	4	256	0	1	7	3	8	0	0	0	0	0	267
Total	9	3	0	14	12	32	853	67	17	952	0	6	26	6	32	0	0	0	19	0	996
Approach %	75.0	25.0	0.0	-	-	3.4	89.6	7.0	-	-	0.0	18.8	81.3	-	-	0.0	0.0	0.0	-	-	-
Total %	0.9	0.3	0.0	-	1.2	3.2	85.6	6.7	-	95.6	0.0	0.6	2.6	-	3.2	0.0	0.0	0.0	-	0.0	-
PHF	0.563	0.750	0.000	-	0.600	0.800	0.896	0.698	-	0.930	0.000	0.500	0.929	-	0.889	0.000	0.000	0.000	-	0.000	0.933
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-	-	-	0.0
Cars & Light Goods	6	3	0	-	9	31	826	66	-	923	0	6	26	-	32	0	0	0	-	0	964
% Cars & Light Goods	66.7	100.0	-	-	75.0	96.9	96.8	98.5	-	97.0	-	100.0	100.0	-	100.0	-	-	-	-	-	96.8
Buses	2	0	0	-	2	0	10	1	-	11	0	0	0	-	0	0	0	0	-	0	13
% Buses	22.2	0.0	-	-	16.7	0.0	1.2	1.5	-	1.2	-	0.0	0.0	-	0.0	-	-	-	-	-	1.3
Single-Unit Trucks	0	0	0	-	0	1	15	0	-	16	0	0	0	-	0	0	0	0	-	0	16
% Single-Unit Trucks	0.0	0.0	-	-	0.0	3.1	1.8	0.0	-	1.7	-	0.0	0.0	-	0.0	-	-	-	-	-	1.6
Articulated Trucks	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	0.1	0.0	-	0.1	-	0.0	0.0	-	0.0	-	-	-	-	-	0.1
Bicycles on Road	1	0	0	-	1	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	2
% Bicycles on Road	11.1	0.0	-	-	8.3	0.0	0.1	0.0	-	0.1	-	0.0	0.0	-	0.0	-	-	-	-	-	0.2
Bicycles on Crosswalk	-	-	-	5	-	-	-	6	-	-	-	-	1	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	35.7	-	-	-	35.3	-	-	-	-	16.7	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	9	-	-	-	11	-	-	-	-	5	-	-	-	-	-	19	-	-
% Pedestrians	-	-	-	64.3	-	-	-	64.7	-	-	-	-	83.3	-	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3EP
 SE

Count Name: TMC_17
 Broadway &
 Detroit_Summit_11-19-19
 Site Code: TMC_17
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (8:00 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3EP
 SE

Count Name: TMC_17
 Broadway &
 Detroit_Summit_11-19-19
 Site Code: TMC_17
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:15 AM)

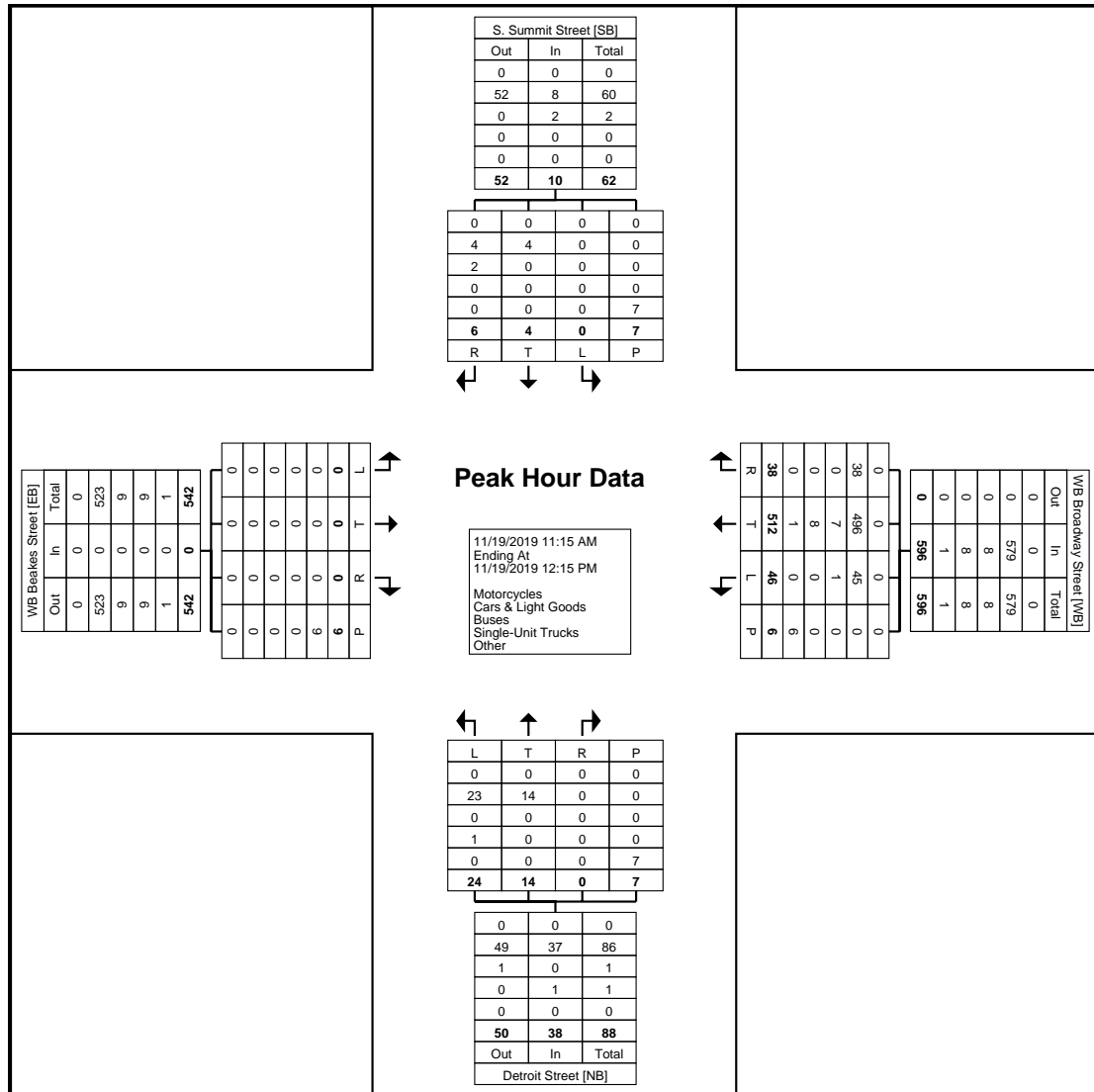
Start Time	S. Summit Street Southbound					WB Broadway Street Westbound					Detroit Street Northbound					WB Beakes Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
11:15 AM	1	1	0	1	2	7	120	10	1	137	0	2	3	1	5	0	0	0	1	0	144
11:30 AM	1	2	0	0	3	12	132	18	2	162	0	3	8	4	11	0	0	0	2	0	176
11:45 AM	2	1	0	4	3	13	112	5	2	130	0	4	7	1	11	0	0	0	1	0	144
12:00 PM	2	0	0	2	2	6	148	13	1	167	0	5	6	1	11	0	0	0	2	0	180
Total	6	4	0	7	10	38	512	46	6	596	0	14	24	7	38	0	0	0	6	0	644
Approach %	60.0	40.0	0.0	-	-	6.4	85.9	7.7	-	-	0.0	36.8	63.2	-	-	0.0	0.0	0.0	-	-	-
Total %	0.9	0.6	0.0	-	1.6	5.9	79.5	7.1	-	92.5	0.0	2.2	3.7	-	5.9	0.0	0.0	0.0	-	0.0	-
PHF	0.750	0.500	0.000	-	0.833	0.731	0.865	0.639	-	0.892	0.000	0.700	0.750	-	0.864	0.000	0.000	0.000	-	0.000	0.894
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-	-	-	0.0
Cars & Light Goods	4	4	0	-	8	38	496	45	-	579	0	14	23	-	37	0	0	0	-	0	624
% Cars & Light Goods	66.7	100.0	-	-	80.0	100.0	96.9	97.8	-	97.1	-	100.0	95.8	-	97.4	-	-	-	-	-	96.9
Buses	2	0	0	-	2	0	7	1	-	8	0	0	0	-	0	0	0	0	-	0	10
% Buses	33.3	0.0	-	-	20.0	0.0	1.4	2.2	-	1.3	-	0.0	0.0	-	0.0	-	-	-	-	-	1.6
Single-Unit Trucks	0	0	0	-	0	0	8	0	-	8	0	0	1	-	1	0	0	0	-	0	9
% Single-Unit Trucks	0.0	0.0	-	-	0.0	0.0	1.6	0.0	-	1.3	-	0.0	4.2	-	2.6	-	-	-	-	-	1.4
Articulated Trucks	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	0.2	0.0	-	0.2	-	0.0	0.0	-	0.0	-	-	-	-	-	0.2
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-	-	-	0.0
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	2	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	33.3	-	-	-	-	0.0	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	7	-	-	-	-	4	-	-	-	-	7	-	-	-	-	6	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	66.7	-	-	-	-	100.0	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3EP
 SE

Count Name: TMC_17
 Broadway &
 Detroit_Summit_11-19-19
 Site Code: TMC_17
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3EP
 SE

Count Name: TMC_17
 Broadway &
 Detroit_Summit_11-19-19
 Site Code: TMC_17
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:45 PM)

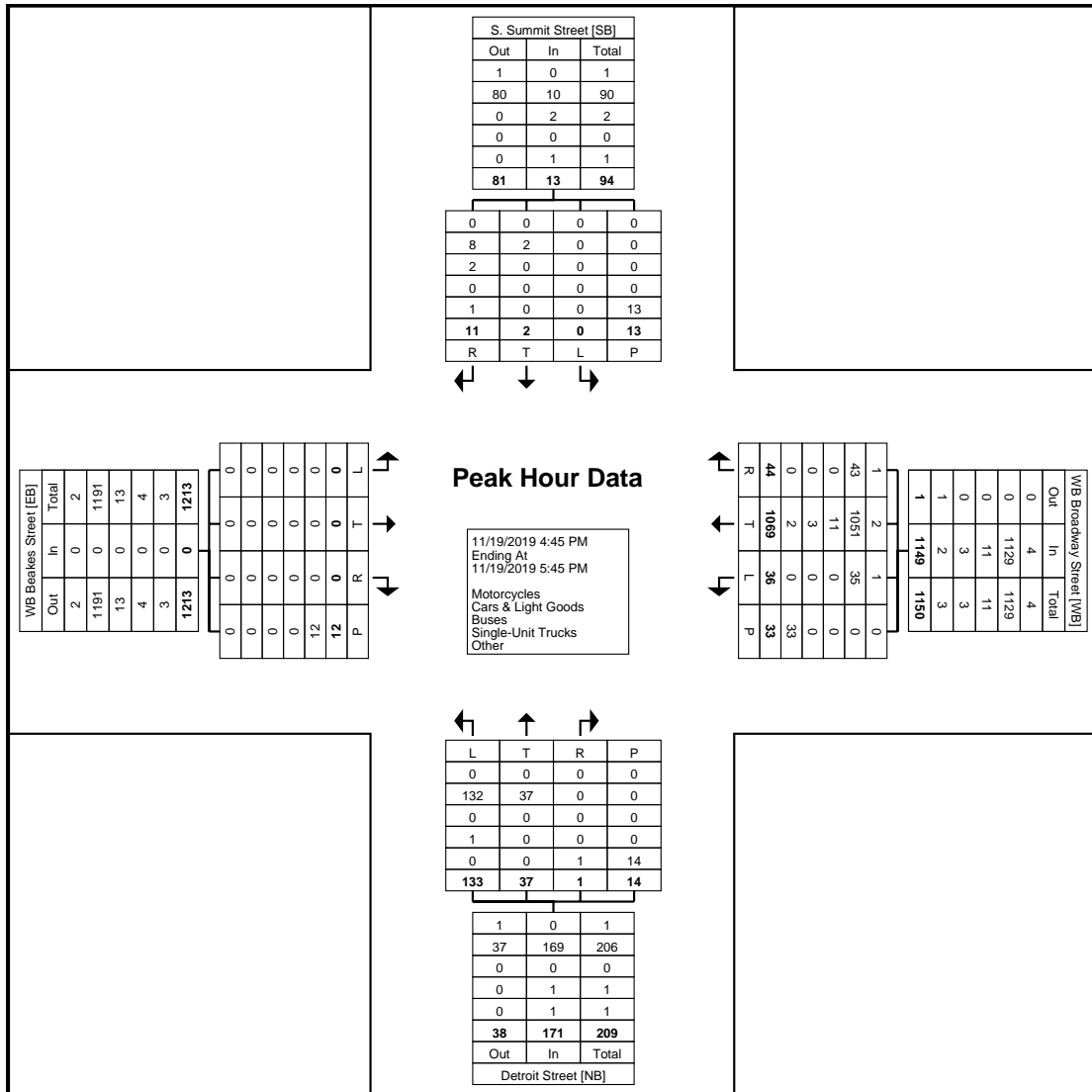
Start Time	S. Summit Street Southbound					WB Broadway Street Westbound					Detroit Street Northbound					WB Beakes Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
4:45 PM	1	0	0	1	1	13	236	9	9	258	0	8	55	2	63	0	0	0	2	0	322
5:00 PM	6	1	0	3	7	8	263	7	8	278	1	7	28	2	36	0	0	0	5	0	321
5:15 PM	3	1	0	4	4	13	304	11	9	328	0	7	24	3	31	0	0	0	1	0	363
5:30 PM	1	0	0	5	1	10	266	9	7	285	0	15	26	7	41	0	0	0	4	0	327
Total	11	2	0	13	13	44	1069	36	33	1149	1	37	133	14	171	0	0	0	12	0	1333
Approach %	84.6	15.4	0.0	-	-	3.8	93.0	3.1	-	-	0.6	21.6	77.8	-	-	0.0	0.0	0.0	-	-	-
Total %	0.8	0.2	0.0	-	1.0	3.3	80.2	2.7	-	86.2	0.1	2.8	10.0	-	12.8	0.0	0.0	0.0	-	0.0	-
PHF	0.458	0.500	0.000	-	0.464	0.846	0.879	0.818	-	0.876	0.250	0.617	0.605	-	0.679	0.000	0.000	0.000	-	0.000	0.918
Motorcycles	0	0	0	-	0	1	2	1	-	4	0	0	0	-	0	0	0	0	-	0	4
% Motorcycles	0.0	0.0	-	-	0.0	2.3	0.2	2.8	-	0.3	0.0	0.0	0.0	-	0.0	-	-	-	-	-	0.3
Cars & Light Goods	8	2	0	-	10	43	1051	35	-	1129	0	37	132	-	169	0	0	0	-	0	1308
% Cars & Light Goods	72.7	100.0	-	-	76.9	97.7	98.3	97.2	-	98.3	0.0	100.0	99.2	-	98.8	-	-	-	-	-	98.1
Buses	2	0	0	-	2	0	11	0	-	11	0	0	0	-	0	0	0	0	-	0	13
% Buses	18.2	0.0	-	-	15.4	0.0	1.0	0.0	-	1.0	0.0	0.0	0.0	-	0.0	-	-	-	-	-	1.0
Single-Unit Trucks	0	0	0	-	0	0	3	0	-	3	0	0	1	-	1	0	0	0	-	0	4
% Single-Unit Trucks	0.0	0.0	-	-	0.0	0.0	0.3	0.0	-	0.3	0.0	0.0	0.8	-	0.6	-	-	-	-	-	0.3
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-	-	0.0
Bicycles on Road	1	0	0	-	1	0	2	0	-	2	1	0	0	-	1	0	0	0	-	0	4
% Bicycles on Road	9.1	0.0	-	-	7.7	0.0	0.2	0.0	-	0.2	100.0	0.0	0.0	-	0.6	-	-	-	-	-	0.3
Bicycles on Crosswalk	-	-	-	1	-	-	-	-	3	-	-	-	-	1	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	7.7	-	-	-	-	9.1	-	-	-	-	7.1	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	12	-	-	-	-	30	-	-	-	-	13	-	-	-	-	12	-	-
% Pedestrians	-	-	-	92.3	-	-	-	-	90.9	-	-	-	-	92.9	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3EP
 SE

Count Name: TMC_17
 Broadway &
 Detroit_Summit_11-19-19
 Site Code: TMC_17
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:45 PM)



Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU3EP
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_17
Broadway &
Detroit_Summit_11-19-19
Site Code: TMC_17
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-Signalized controlled intersection, Summit St. / Detroit St. are stop controlled for WB Broadway St. / Beakes St. at their intersection. VCU camera was located within SE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_17 Broadway & Detroit_Summit_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728552, Location: 42.287013, -83.74359, Site Code: TMC_17 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	S. Summit Street Southbound						WB Broadway Street Westbound						Detroit Street Northbound						WB Beakes Street Eastbound						Int
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 6:00AM	0	0	0	0	0	3	4	22	0	0	26	1	0	1	1	0	2	0	0	0	0	0	0	28	
6:15AM	1	1	0	0	2	1	0	31	2	0	33	1	0	1	2	0	3	3	0	0	0	0	0	38	
6:30AM	1	0	0	0	1	0	1	55	8	0	64	0	0	1	2	0	3	0	0	0	0	0	0	68	
6:45AM	1	0	0	0	1	0	3	59	10	0	72	2	0	0	2	0	2	1	0	0	0	0	0	75	
Hourly Total	3	1	0	0	4	4	8	167	20	0	195	4	0	3	7	0	10	4	0	0	0	0	0	209	
7:00AM	3	0	0	0	3	0	8	85	9	0	102	5	0	1	0	0	1	5	0	0	0	0	0	106	
7:15AM	0	0	0	0	0	2	9	108	11	0	128	5	0	2	5	0	7	1	0	0	0	0	0	135	
7:30AM	1	1	0	0	2	4	8	173	21	0	202	2	0	1	7	0	8	1	0	0	0	0	3	212	
7:45AM	0	0	0	0	0	3	14	202	15	0	231	6	0	3	8	0	11	2	0	0	0	0	4	242	
Hourly Total	4	1	0	0	5	9	39	568	56	0	663	18	0	7	20	0	27	9	0	0	0	0	9	695	
8:00AM	2	1	0	0	3	2	8	198	13	0	219	3	0	2	6	0	8	0	0	0	0	0	7	230	
8:15AM	1	0	0	0	1	6	10	215	24	0	249	4	0	0	7	0	7	0	0	0	0	0	5	257	
8:30AM	4	1	0	0	5	3	7	202	19	0	228	6	0	3	6	0	9	3	0	0	0	0	7	242	
8:45AM	2	1	0	0	3	3	7	238	11	0	256	4	0	1	7	0	8	3	0	0	0	0	0	267	
Hourly Total	9	3	0	0	12	14	32	853	67	0	952	17	0	6	26	0	32	6	0	0	0	0	19	996	
9:00AM	4	2	0	0	6	1	4	187	17	0	208	3	0	2	3	0	5	3	0	0	0	0	3	219	
9:15AM	2	1	0	0	3	4	4	142	10	0	156	2	0	2	11	0	13	5	0	0	0	0	1	172	
9:30AM	1	1	0	0	2	0	8	133	9	0	150	6	0	2	4	0	6	5	0	0	0	0	1	158	
9:45AM	1	0	0	0	1	0	5	139	8	0	152	3	0	2	6	0	8	3	0	0	0	0	0	161	
Hourly Total	8	4	0	0	12	5	21	601	44	0	666	14	0	8	24	0	32	16	0	0	0	0	5	710	
10:00AM	1	1	0	0	2	0	7	99	4	0	110	2	0	3	3	0	6	0	0	0	0	0	1	118	
10:15AM	0	2	0	0	2	0	7	92	14	0	113	2	1	1	1	0	3	3	0	0	0	0	0	118	
10:30AM	3	0	0	0	3	2	8	125	8	0	141	2	0	0	7	0	7	1	0	0	0	0	1	151	
10:45AM	1	2	0	0	3	1	7	111	8	0	126	2	0	3	2	0	5	4	0	0	0	0	1	134	
Hourly Total	5	5	0	0	10	3	29	427	34	0	490	8	1	7	13	0	21	8	0	0	0	0	3	521	
11:00AM	1	1	0	0	2	0	3	113	7	0	123	2	0	1	2	0	3	1	0	0	0	0	0	128	
11:15AM	1	1	0	0	2	1	7	120	10	0	137	1	0	2	3	0	5	1	0	0	0	0	1	144	
11:30AM	1	2	0	0	3	0	12	132	18	0	162	2	0	3	8	0	11	4	0	0	0	0	2	176	
11:45AM	2	1	0	0	3	4	13	112	5	0	130	2	0	4	7	0	11	1	0	0	0	0	1	144	
Hourly Total	5	5	0	0	10	5	35	477	40	0	552	7	0	10	20	0	30	7	0	0	0	0	4	592	
12:00PM	2	0	0	0	2	2	6	148	13	0	167	1	0	5	6	0	11	1	0	0	0	0	2	180	
12:15PM	0	1	0	0	1	1	8	120	3	0	131	3	0	1	3	0	4	7	0	0	0	0	3	136	
12:30PM	3	2	0	0	5	4	9	134	8	0	151	1	0	6	8	0	14	0	0	0	0	0	1	170	
12:45PM	4	1	0	0	5	1	8	113	9	0	130	0	0	4	7	0	11	0	0	0	0	0	2	146	
Hourly Total	9	4	0	0	13	8	31	515	33	0	579	5	0	16	24	0	40	8	0	0	0	0	8	632	
1:00PM	1	2	0	0	3	2	11	115	8	0	134	5	0	4	8	0	12	2	0	0	0	0	1	149	
1:15PM	2	1	0	0	3	1	11	100	12	0	123	1	0	9	5	0	14	0	0	0	0	0	1	140	
1:30PM	2	0	0	0	2	4	4	107	4	0	115	2	0	4	3	0	7	4	0	0	0	0	5	124	
1:45PM	1	2	0	0	3	1	9	110	10	0	129	4	0	3	10	0	13	4	0	0	0	0	2	145	
Hourly Total	6	5	0	0	11	8	35	432	34	0	501	12	0	20	26	0	46	10	0	0	0	0	9	558	
2:00PM	3	3	0	0	6	1	10	139	4	0	153	2	0	8	11	0	19	2	0	0	0	0	1	178	
2:15PM	1	1	0	0	2	1	3	121	6	0	130	6	0	4	7	0	11	4	0	0	0	0	1	143	
2:30PM	1	0	0	0	1	0	11	131	10	0	152	2	0	9	6	0	15	2	0	0	0	0	1	168	
2:45PM	3	0	0	0	3	4	8	153	7	0	168	6	1	3	13	0	17	3	0	0	0	0	3	188	
Hourly Total	8	4	0	0	12	6	32	544	27	0	603	16	1	24	37	0	62	11	0	0	0	0	6	677	
3:00PM	1	1	0	0	2	0	5	132	9	0	146	2	0	11	13	0	24	3	0	0	0	0	4	172	
3:15PM	3	0	0	0	3	3	11	217	12	0	240	4	0	10	17	0	27	5	0	0	0	0	3	270	
3:30PM	2	0	0	0	2	3	13	225	9	0	247	1	0	4	25	0	29	3	0	0	0	0	4	278	
3:45PM	5	1	0	0	6	3	3	205	3	0	211	3	1	5	33	0	39	2	0	0	0	0	2	256	
Hourly Total	11	2	0	0	13	9	32	779	33	0	844	10	1	30	88	0	119	13	0	0	0	0	13	976	
4:00PM	1	0	0	0	1	2	6	205	4	0	215	14	0	7	28	0	35	11	0	0	0	0	1	251	
4:15PM	3	0	0	0	3	1	9	248	5	0	262	9	0	10	39	0	49	2	0	0	0	0	1	314	
4:30PM	0	0	0	0	0	4	5	235	9	0	249	5	0	20	38	1	59	2	0	0	0	0	2	308	
4:45PM	1	0	0	0	1	1	13	236	9	0	258	9	0	8	55	0	63	2	0	0	0	0	2	322	
Hourly Total	5	0	0	0	5	8	33	924	27	0	984	37	0	45	160	1	206	17	0	0	0	0	6	1195	
5:00PM	6	1	0	0	7	3	8	263	7	0	278	8	1	7	28	0	36	2	0	0	0	0	5	321	
5:15PM	3	1	0	0	4	4	13	304	11	0	328	9	0	7	24	0	31	3	0	0	0	0	1	363	
5:30PM	1	0	0	0	1	5	10	266	9	0	285	7	0	15	26	0	41	7	0	0	0	0	4	327	
5:45PM	2	0	0	0	2	2	8	275	15	0	298	9	0	5	17	0	22	5	0	0	0	0	2	322	
Hourly Total	12	2	0	0	14	14	39	1108	42	0	1189	33	1	34	95	0	130	17	0	0	0	0	12	1333	
6:00PM	3	0	0	0	3	3	6	199	12	0	217	3	0	4	16	0	20	2	0	0	0	0	1	240	
6:15PM	0	2	0	0	2	3	12	169	5	0	186	5	0	4	7	0	11	2	0	0	0	0	2	199	
6:30PM	1	1	0	0	2	13	6	156	8	0	170	3	0	4	6	0	10	2	0	0	0	0	0	182	
6:45PM	4	1	0	0	5	3	6	159	9	0	174	5	0	5	2	0	7	8	0	0	0	0	3	186	
Hourly Total	8	4	0	0	12	22	30	683	34	0	747	16	0	17	31	0	48	14	0	0	0	0	6	807	

Leg Direction	S. Summit Street Southbound						WB Broadway Street Westbound						Detroit Street Northbound						WB Beakes Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
Total	93	40	0	0	133	115	396	8078	491	0	8965	197	4	227	571	1	803	140	0	0	0	0	0	102	9901
% Approach	69.9%	30.1%	0%	0%	-	-	4.4%	90.1%	5.5%	0%	-	-	0.5%	28.3%	71.1%	0.1%	-	-	0%	0%	0%	0%	-	-	-
% Total	0.9%	0.4%	0%	0%	1.3%	-	4.0%	81.6%	5.0%	0%	90.5%	-	0%	2.3%	5.8%	0%	8.1%	-	0%	0%	0%	0%	0%	-	-
Motorcycles	0	0	0	0	0	-	1	6	1	0	8	-	0	0	0	0	0	-	0	0	0	0	0	-	8
% Motorcycles	0%	0%	0%	0%	0%	-	0.3%	0.1%	0.2%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0.1%
Lights	63	37	0	0	100	-	388	7874	479	0	8741	-	0	223	559	1	783	-	0	0	0	0	0	-	9624
% Lights	67.7%	92.5%	0%	0%	75.2%	-	98.0%	97.5%	97.6%	0%	97.5%	-	0%	98.2%	97.9%	100%	97.5%	-	0%	0%	0%	0%	-	-	97.2%
Single-Unit Trucks	1	2	0	0	3	-	6	91	1	0	98	-	0	2	10	0	12	-	0	0	0	0	0	-	113
% Single-Unit Trucks	1.1%	5.0%	0%	0%	2.3%	-	1.5%	1.1%	0.2%	0%	1.1%	-	0%	0.9%	1.8%	0%	1.5%	-	0%	0%	0%	0%	-	-	1.1%
Articulated Trucks	0	0	0	0	0	-	1	10	2	0	13	-	0	1	0	0	1	-	0	0	0	0	0	-	14
% Articulated Trucks	0%	0%	0%	0%	0%	-	0.3%	0.1%	0.4%	0%	0.1%	-	0%	0.4%	0%	0%	0.1%	-	0%	0%	0%	0%	-	-	0.1%
Buses	26	0	0	0	26	-	0	79	5	0	84	-	0	0	2	0	2	-	0	0	0	0	0	-	112
% Buses	28.0%	0%	0%	0%	19.5%	-	0%	1.0%	1.0%	0%	0.9%	-	0%	0%	0.4%	0%	0.2%	-	0%	0%	0%	0%	-	-	1.1%
Pedestrians	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Pedestrians	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%
Bicycles on Road	3	1	0	0	4	-	0	17	3	0	20	-	4	1	0	0	5	-	0	0	0	0	0	-	29
% Bicycles on Road	3.2%	2.5%	0%	0%	3.0%	-	0%	0.2%	0.6%	0%	0.2%	-	100%	0.4%	0%	0%	0.6%	-	0%	0%	0%	0%	-	-	0.3%
Pedestrians	-	-	-	-	-	96	-	-	-	-	-	167	-	-	-	-	-	130	-	-	-	-	-	-	100
% Pedestrians	-	-	-	-	-	-83.5%	-	-	-	-	-84.8%	-	-	-	-	-	-92.9%	-	-	-	-	-	-	-	-98.0%
Bicycles on Crosswalk	-	-	-	-	-	19	-	-	-	-	-	30	-	-	-	-	-	10	-	-	-	-	-	-	2
% Bicycles on Crosswalk	-	-	-	-	-	-16.5%	-	-	-	-	-15.2%	-	-	-	-	-	-7.1%	-	-	-	-	-	-	-	-2.0%

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_17 Broadway & Detroit_Summit_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

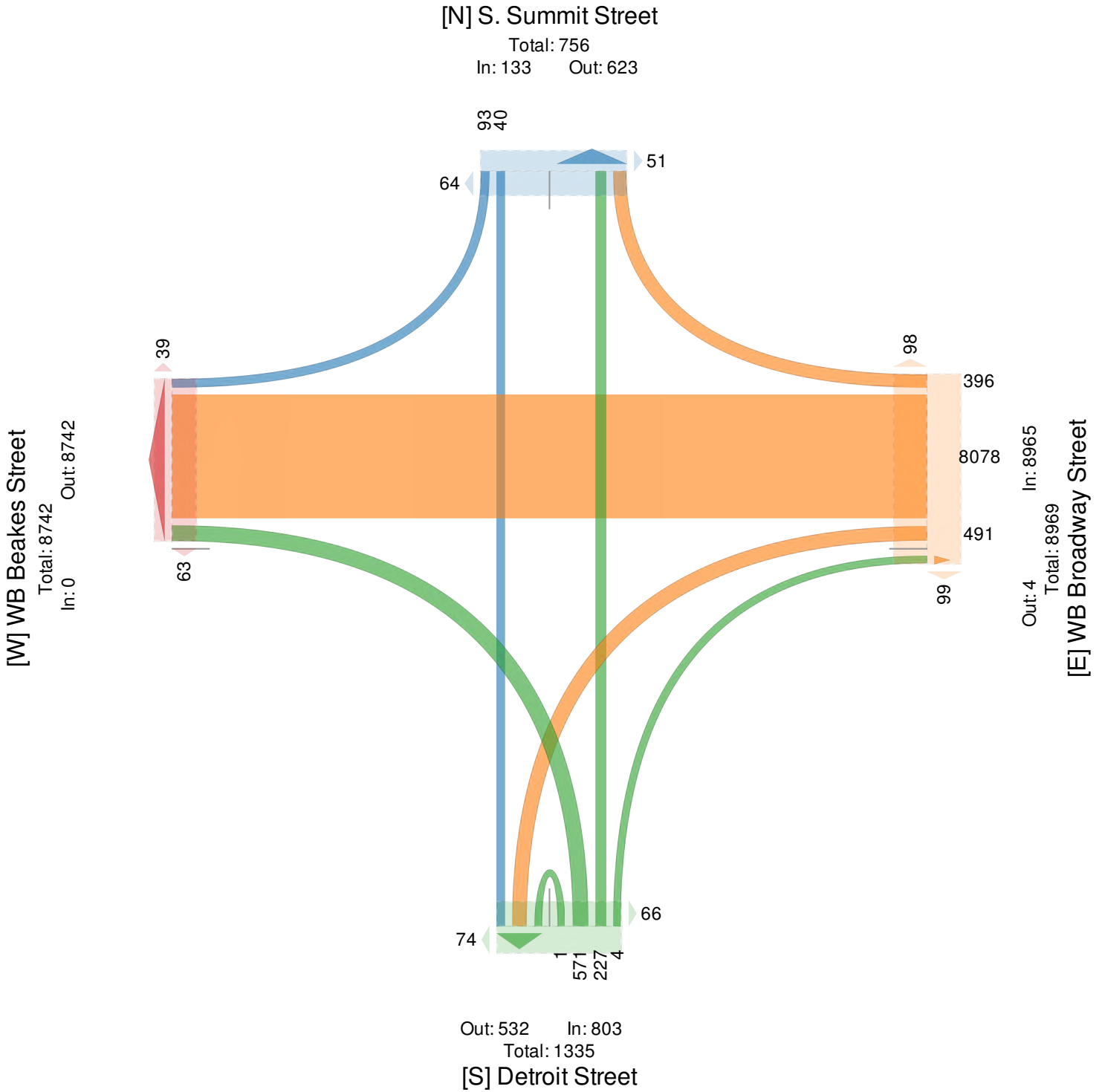
All Movements

ID: 728552, Location: 42.287013, -83.74359, Site Code: TMC_17 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC

7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US



TMC_17 Broadway & Detroit_Summit_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (8 AM - 9 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728552, Location: 42.287013, -83.74359, Site Code: TMC_17 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	S. Summit Street Southbound						WB Broadway Street Westbound						Detroit Street Northbound						WB Beakes Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 8:00AM	2	1	0	0	3	2	8	198	13	0	219	3	0	2	6	0	8	0	0	0	0	0	0	7	230
8:15AM	1	0	0	0	1	6	10	215	24	0	249	4	0	0	7	0	7	0	0	0	0	0	0	5	257
8:30AM	4	1	0	0	5	3	7	202	19	0	228	6	0	3	6	0	9	3	0	0	0	0	0	7	242
8:45AM	2	1	0	0	3	3	7	238	11	0	256	4	0	1	7	0	8	3	0	0	0	0	0	0	267
Total	9	3	0	0	12	14	32	853	67	0	952	17	0	6	26	0	32	6	0	0	0	0	0	19	996
% Approach	75.0%	25.0%	0%	0%	-	-	3.4%	89.6%	7.0%	0%	-	-	0%	18.8%	81.3%	0%	-	-	0%	0%	0%	0%	-	-	-
% Total	0.9%	0.3%	0%	0%	1.2%	-	3.2%	85.6%	6.7%	0%	95.6%	-	0%	0.6%	2.6%	0%	3.2%	-	0%	0%	0%	0%	0%	0%	-
PHF	0.500	0.750	-	-	0.550	-	0.800	0.895	0.698	-	0.929	-	-	0.500	0.929	-	0.889	-	-	-	-	-	-	-	0.931
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	6	3	0	0	9	-	31	826	66	0	923	-	0	6	26	0	32	-	0	0	0	0	0	-	964
% Lights	66.7%	100%	0%	0%	75.0%	-	96.9%	96.8%	98.5%	0%	97.0%	-	0%	100%	100%	0%	100%	-	0%	0%	0%	0%	0%	-	96.8%
Single-Unit Trucks	0	0	0	0	0	-	1	15	0	0	16	-	0	0	0	0	0	-	0	0	0	0	0	-	16
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	3.1%	1.8%	0%	0%	1.7%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	1.6%
Articulated Trucks	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	2	0	0	0	2	-	0	10	1	0	11	-	0	0	0	0	0	-	0	0	0	0	0	-	13
% Buses	22.2%	0%	0%	0%	16.7%	-	0%	1.2%	1.5%	0%	1.2%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	1.3%
Pedestrians	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Pedestrians	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Bicycles on Road	1	0	0	0	1	-	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	2
% Bicycles on Road	11.1%	0%	0%	0%	8.3%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.2%
Pedestrians	-	-	-	-	-	9	-	-	-	-	-	11	-	-	-	-	-	5	-	-	-	-	-	19	
% Pedestrians	-	-	-	-	-	64.3%	-	-	-	-	-	64.7%	-	-	-	-	-	83.3%	-	-	-	-	-	100%	
Bicycles on Crosswalk	-	-	-	-	-	5	-	-	-	-	-	6	-	-	-	-	-	1	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	35.7%	-	-	-	-	-	35.3%	-	-	-	-	-	16.7%	-	-	-	-	-	0%	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_17 Broadway & Detroit_Summit_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (8 AM - 9 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728552, Location: 42.287013, -83.74359, Site Code: TMC_17 Traffic Data Collection, LLC

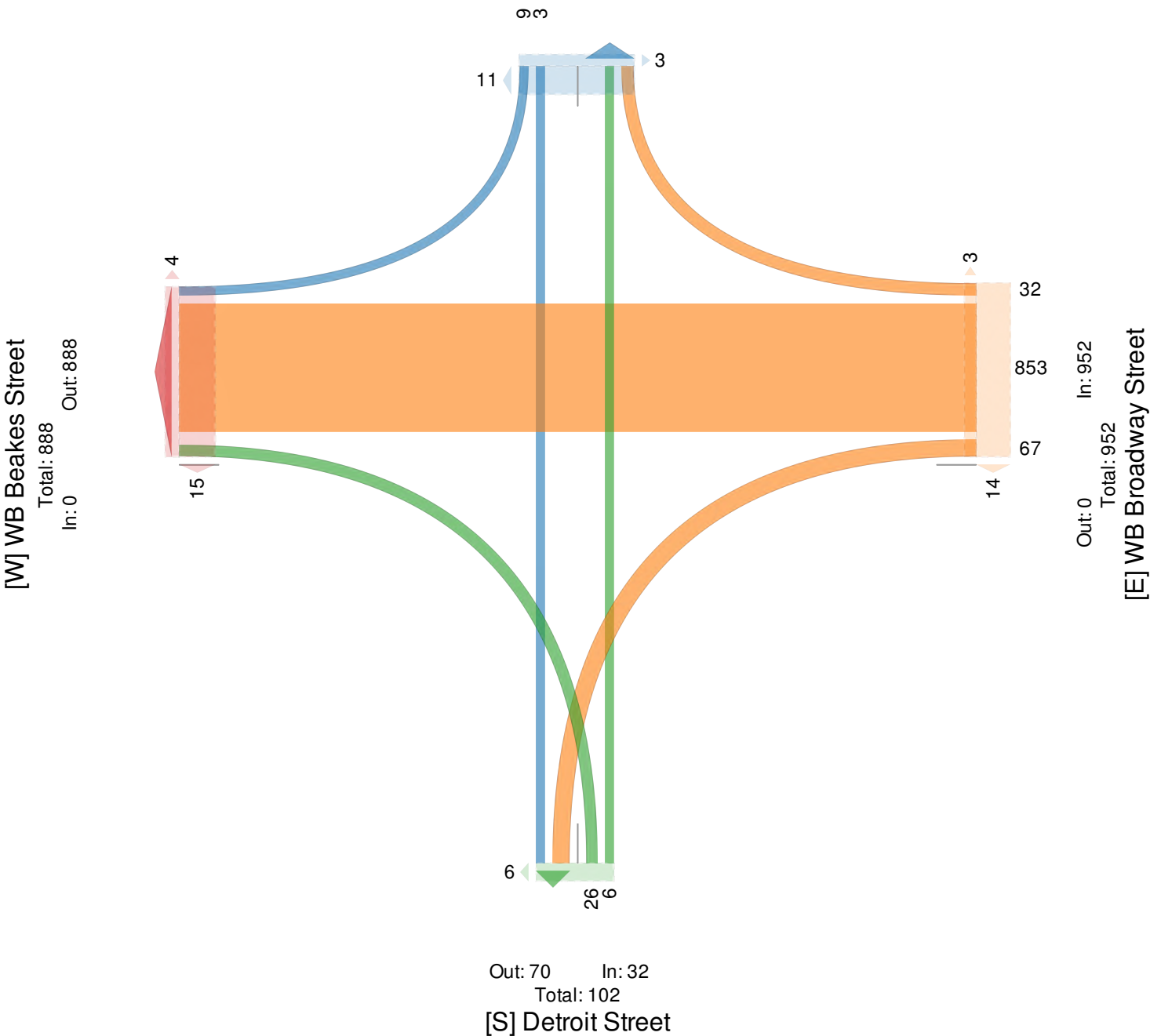


Provided by: Traffic Data Collection, TDC

7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

[N] S. Summit Street

Total: 50
In: 12 Out: 38



TMC_17 Broadway & Detroit_Summit_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728552, Location: 42.287013, -83.74359, Site Code: TMC_17 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	S. Summit Street Southbound						WB Broadway Street Westbound						Detroit Street Northbound						WB Beakes Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 11:15AM	1	1	0	0	2	1	7	120	10	0	137	1	0	2	3	0	5	1	0	0	0	0	0	1	144
11:30AM	1	2	0	0	3	0	12	132	18	0	162	2	0	3	8	0	11	4	0	0	0	0	0	2	176
11:45AM	2	1	0	0	3	4	13	112	5	0	130	2	0	4	7	0	11	1	0	0	0	0	0	1	144
12:00PM	2	0	0	0	2	2	6	148	13	0	167	1	0	5	6	0	11	1	0	0	0	0	0	2	180
Total	6	4	0	0	10	7	38	512	46	0	596	6	0	14	24	0	38	7	0	0	0	0	0	6	644
% Approach	60.0%	40.0%	0%	0%	-	-	6.4%	85.9%	7.7%	0%	-	-	0%	36.8%	63.2%	0%	-	-	0%	0%	0%	0%	-	-	-
% Total	0.9%	0.6%	0%	0%	1.6%	-	5.9%	79.5%	7.1%	0%	92.5%	-	0%	2.2%	3.7%	0%	5.9%	-	0%	0%	0%	0%	0%	-	-
PHF	0.750	0.500	-	-	0.833	-	0.731	0.865	0.639	-	0.892	-	-	0.700	0.750	-	0.864	-	-	-	-	-	-	-	0.894
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	4	4	0	0	8	-	38	496	45	0	579	-	0	14	23	0	37	-	0	0	0	0	0	-	624
% Lights	66.7%	100%	0%	0%	80.0%	-	100%	96.9%	97.8%	0%	97.1%	-	0%	100%	95.8%	0%	97.4%	-	0%	0%	0%	0%	-	-	96.9%
Single-Unit Trucks	0	0	0	0	0	-	0	8	0	0	8	-	0	0	1	0	1	-	0	0	0	0	0	-	9
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	1.6%	0%	0%	1.3%	-	0%	0%	4.2%	0%	2.6%	-	0%	0%	0%	0%	-	-	1.4%
Articulated Trucks	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0.2%
Buses	2	0	0	0	2	-	0	7	1	0	8	-	0	0	0	0	0	-	0	0	0	0	0	-	10
% Buses	33.3%	0%	0%	0%	20.0%	-	0%	1.4%	2.2%	0%	1.3%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	1.6%
Pedestrians	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Pedestrians	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%
Pedestrians	-	-	-	-	-	7	-	-	-	-	-	4	-	-	-	-	-	7	-	-	-	-	-	6	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	66.7%	-	-	-	-	-	100%	-	-	-	-	-	100%	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	33.3%	-	-	-	-	-	0%	-	-	-	-	-	0%	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_17 Broadway & Detroit_Summit_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

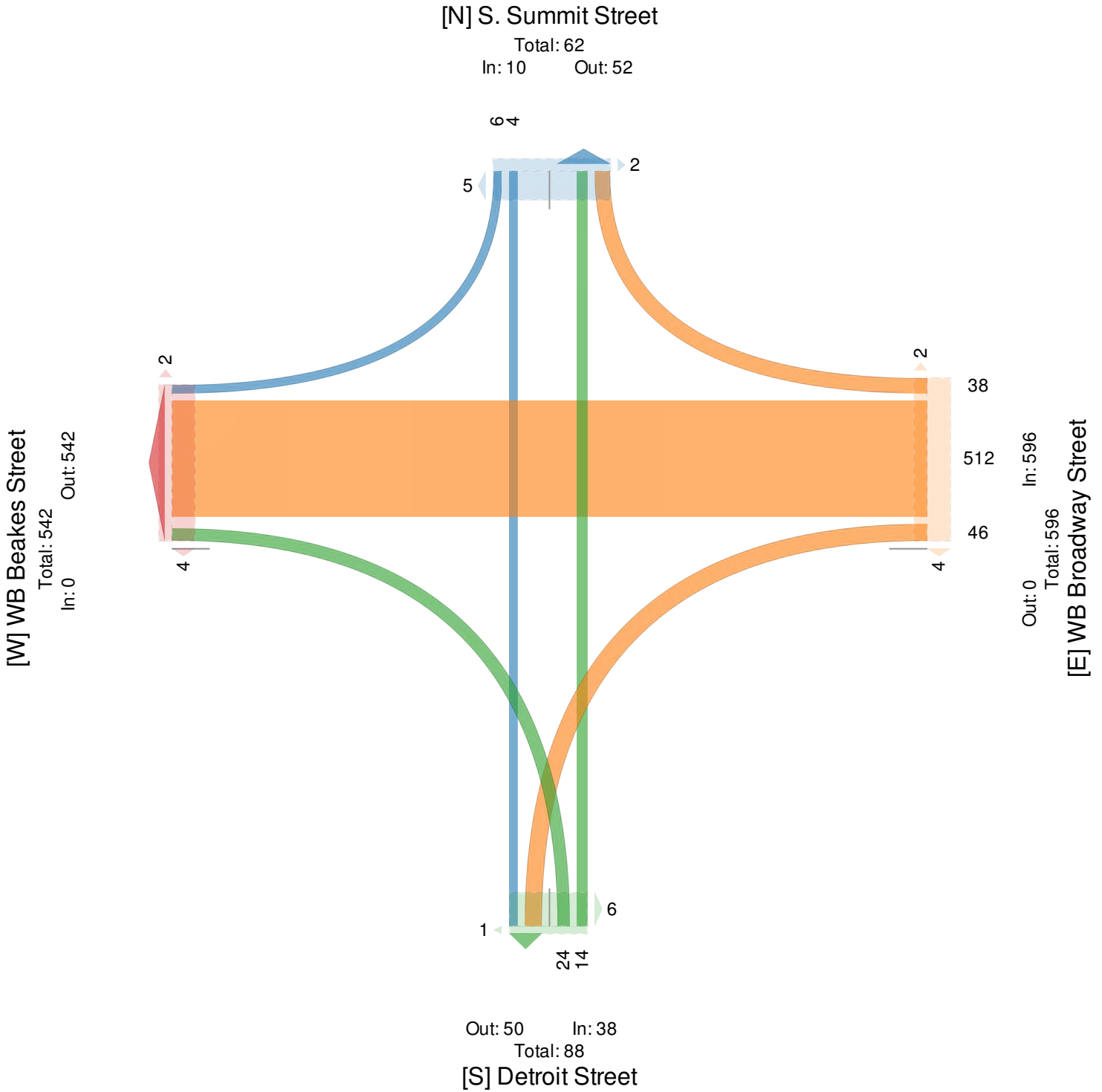
All Movements

ID: 728552, Location: 42.287013, -83.74359, Site Code: TMC_17 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC

7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US



TMC_17 Broadway & Detroit_Summit_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:45 PM - 5:45 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728552, Location: 42.287013, -83.74359, Site Code: TMC_17 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	S. Summit Street Southbound						WB Broadway Street Westbound						Detroit Street Northbound						WB Beakes Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 4:45PM	1	0	0	0	1	1	13	236	9	0	258	9	0	8	55	0	63	2	0	0	0	0	0	2	322
5:00PM	6	1	0	0	7	3	8	263	7	0	278	8	1	7	28	0	36	2	0	0	0	0	0	5	321
5:15PM	3	1	0	0	4	4	13	304	11	0	328	9	0	7	24	0	31	3	0	0	0	0	0	1	363
5:30PM	1	0	0	0	1	5	10	266	9	0	285	7	0	15	26	0	41	7	0	0	0	0	0	4	327
Total	11	2	0	0	13	13	44	1069	36	0	1149	33	1	37	133	0	171	14	0	0	0	0	0	12	1333
% Approach	84.6%	15.4%	0%	0%	-	-	3.8%	93.0%	3.1%	0%	-	-	0.6%	21.6%	77.8%	0%	-	-	0%	0%	0%	0%	-	-	-
% Total	0.8%	0.2%	0%	0%	1.0%	-	3.3%	80.2%	2.7%	0%	86.2%	-	0.1%	2.8%	10.0%	0%	12.8%	-	0%	0%	0%	0%	0%	-	-
PHF	0.417	0.500	-	-	0.429	-	0.846	0.880	0.818	-	0.877	-	-	0.617	0.605	-	0.675	-	-	-	-	-	-	-	0.920
Motorcycles	0	0	0	0	0	-	1	2	1	0	4	-	0	0	0	0	0	-	0	0	0	0	0	-	4
% Motorcycles	0%	0%	0%	0%	0%	-	2.3%	0.2%	2.8%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.3%
Lights	8	2	0	0	10	-	43	1051	35	0	1129	-	0	37	132	0	169	-	0	0	0	0	0	-	1308
% Lights	72.7%	100%	0%	0%	76.9%	-	97.7%	98.3%	97.2%	0%	98.3%	-	0%	100%	99.2%	0%	98.8%	-	0%	0%	0%	0%	-	-	98.1%
Single-Unit Trucks	0	0	0	0	0	-	0	3	0	0	3	-	0	0	1	0	1	-	0	0	0	0	0	-	4
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.3%	-	0%	0%	0.8%	0%	0.6%	-	0%	0%	0%	0%	-	-	0.3%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%
Buses	2	0	0	0	2	-	0	11	0	0	11	-	0	0	0	0	0	-	0	0	0	0	0	-	13
% Buses	18.2%	0%	0%	0%	15.4%	-	0%	1.0%	0%	0%	1.0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	1.0%
Pedestrians	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Pedestrians	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%
Bicycles on Road	1	0	0	0	1	-	0	2	0	0	2	-	1	0	0	0	1	-	0	0	0	0	0	-	4
% Bicycles on Road	9.1%	0%	0%	0%	7.7%	-	0%	0.2%	0%	0%	0.2%	-	100%	0%	0%	0%	0.6%	-	0%	0%	0%	0%	-	-	0.3%
Pedestrians	-	-	-	-	-	12	-	-	-	-	-	30	-	-	-	-	-	13	-	-	-	-	-	12	-
% Pedestrians	-	-	-	-	-	92.3%	-	-	-	-	-	90.9%	-	-	-	-	-	92.9%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	7.7%	-	-	-	-	-	9.1%	-	-	-	-	-	7.1%	-	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_17 Broadway & Detroit_Summit_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:45 PM - 5:45 PM) - Overall Peak Hour

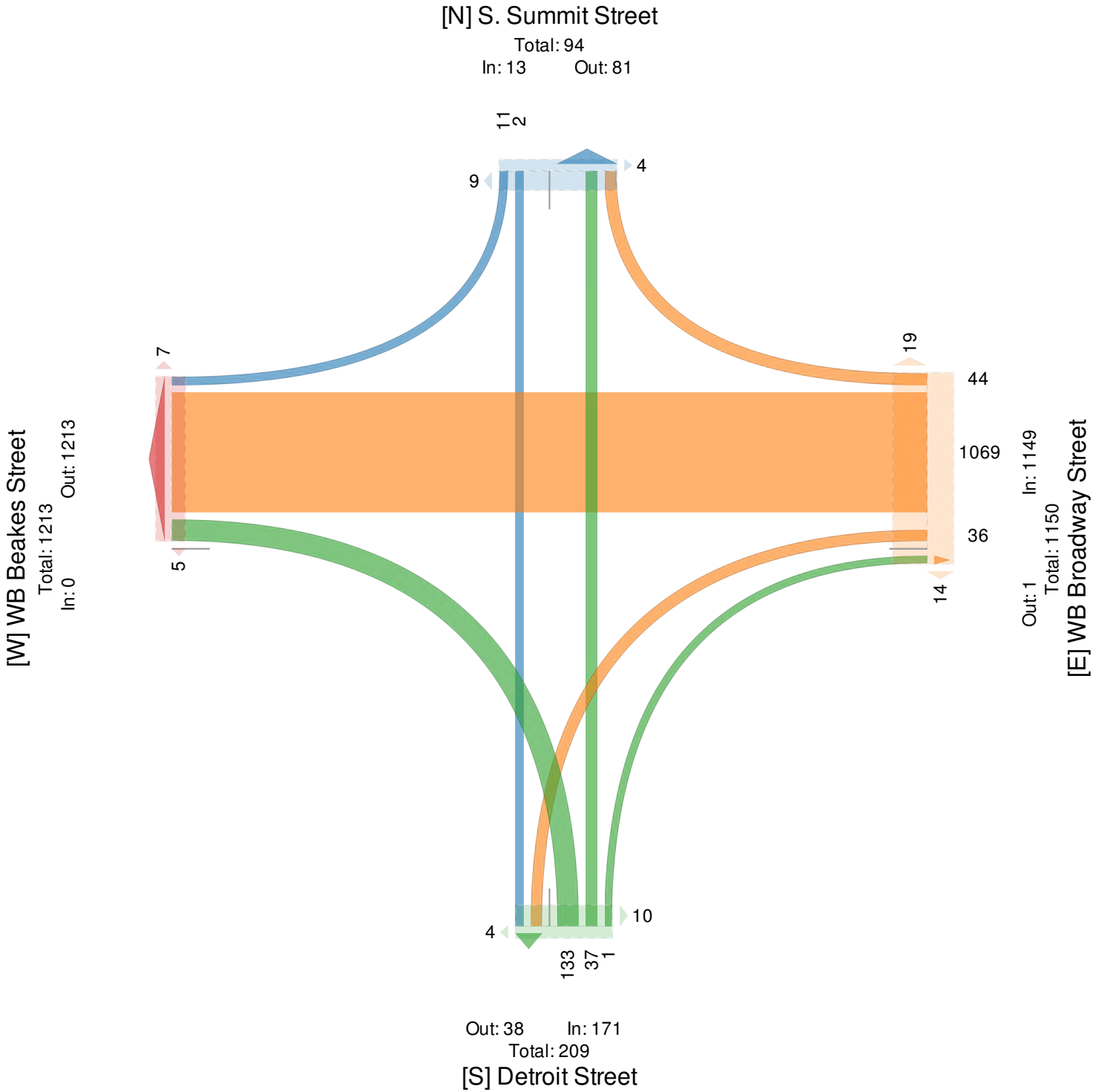
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728552, Location: 42.287013, -83.74359, Site Code: TMC_17 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU2Z4
 SW

Count Name: TMC_18
 Division & Carey_11-19-19
 Site Code: TMC_18
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	NB Detroit Street Southbound					EB Division Street Westbound					NB Carey Street Northbound					EB Division Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
6:00 AM	0	0	0	0	0	0	0	0	0	0	13	0	0	0	13	0	22	2	0	24	37
6:15 AM	0	0	0	0	0	0	0	0	3	0	20	1	0	0	21	0	49	2	0	51	72
6:30 AM	0	0	0	0	0	0	0	0	0	0	17	0	0	1	17	0	54	3	0	57	74
6:45 AM	0	0	0	0	0	0	0	0	1	0	27	0	0	0	27	0	74	2	0	76	103
Hourly Total	0	0	0	0	0	0	0	0	4	0	77	1	0	1	78	0	199	9	0	208	286
7:00 AM	0	0	0	0	0	0	0	0	8	0	20	0	0	0	20	0	82	1	0	83	103
7:15 AM	0	0	0	0	0	0	0	0	3	0	34	0	0	0	34	0	123	7	1	130	164
7:30 AM	0	0	0	0	0	0	0	0	2	0	34	0	0	0	34	0	181	7	0	188	222
7:45 AM	0	0	0	0	0	0	0	0	4	0	50	0	0	0	50	0	218	9	0	227	277
Hourly Total	0	0	0	0	0	0	0	0	17	0	138	0	0	0	138	0	604	24	1	628	766
8:00 AM	0	0	0	0	0	0	0	0	3	0	55	0	0	0	55	1	220	8	0	229	284
8:15 AM	0	0	0	0	0	0	0	0	5	0	46	0	0	1	46	0	214	8	0	222	268
8:30 AM	0	0	0	3	0	0	0	0	3	0	57	0	0	0	57	0	214	8	0	222	279
8:45 AM	0	0	0	2	0	0	0	0	1	0	55	0	0	0	55	0	185	9	0	194	249
Hourly Total	0	0	0	5	0	0	0	0	12	0	213	0	0	1	213	1	833	33	0	867	1080
9:00 AM	0	0	0	0	0	0	0	0	3	0	27	0	0	1	27	1	186	5	0	192	219
9:15 AM	0	0	0	0	0	0	0	0	2	0	28	0	1	0	29	0	139	13	0	152	181
9:30 AM	0	0	0	0	0	0	0	0	7	0	25	0	0	4	25	0	115	6	0	121	146
9:45 AM	0	0	0	0	0	0	0	0	0	0	22	0	0	0	22	0	138	9	0	147	169
Hourly Total	0	0	0	0	0	0	0	0	12	0	102	0	1	5	103	1	578	33	0	612	715
10:00 AM	0	0	0	0	0	0	0	0	3	0	22	1	0	0	23	0	129	5	0	134	157
10:15 AM	0	0	0	0	0	0	0	0	3	0	15	0	0	1	15	0	122	2	0	124	139
10:30 AM	0	0	0	0	0	0	0	0	3	0	22	2	0	0	24	0	117	7	0	124	148
10:45 AM	0	0	0	0	0	0	0	0	4	0	21	0	0	0	21	0	93	5	0	98	119
Hourly Total	0	0	0	0	0	0	0	0	13	0	80	3	0	1	83	0	461	19	0	480	563
11:00 AM	0	0	0	0	0	0	0	0	2	0	10	0	0	0	10	0	111	4	0	115	125
11:15 AM	0	0	0	0	0	0	0	0	1	0	12	0	0	0	12	0	134	6	0	140	152
11:30 AM	0	0	0	3	0	0	0	0	5	0	14	1	0	0	15	0	137	10	1	147	162
11:45 AM	0	0	0	1	0	0	0	0	1	0	18	1	0	0	19	1	131	10	0	142	161
Hourly Total	0	0	0	4	0	0	0	0	9	0	54	2	0	0	56	1	513	30	1	544	600
12:00 PM	0	0	0	0	0	0	0	0	2	0	14	0	0	0	14	1	131	11	0	143	157
12:15 PM	0	0	0	0	0	0	0	0	5	0	21	0	0	0	21	0	125	4	0	129	150
12:30 PM	0	0	0	0	0	0	0	0	2	0	17	0	0	0	17	0	139	14	0	153	170
12:45 PM	0	0	0	0	0	0	0	0	0	0	18	0	0	0	18	1	122	10	0	133	151
Hourly Total	0	0	0	0	0	0	0	0	9	0	70	0	0	0	70	2	517	39	0	558	628
1:00 PM	0	0	0	0	0	0	0	0	3	0	18	0	0	0	18	0	130	12	0	142	160
1:15 PM	0	0	0	0	0	0	0	0	1	0	22	0	0	0	22	0	121	13	0	134	156
1:30 PM	0	0	0	0	0	1	0	0	2	1	21	1	0	0	22	0	122	6	0	128	151
1:45 PM	0	0	0	0	0	0	0	0	2	0	9	0	0	0	9	0	113	13	0	126	135
Hourly Total	0	0	0	0	0	1	0	0	8	1	70	1	0	0	71	0	486	44	0	530	602
2:00 PM	0	0	0	0	0	0	0	0	1	0	13	2	0	2	15	0	114	16	0	130	145
2:15 PM	0	0	0	3	0	0	0	0	6	0	8	1	0	0	9	0	139	11	0	150	159
2:30 PM	0	0	0	2	0	0	0	0	1	0	14	0	0	1	14	0	159	15	0	174	188
2:45 PM	0	0	0	2	0	0	0	0	3	0	16	1	0	0	17	1	140	16	0	157	174
Hourly Total	0	0	0	7	0	0	0	0	11	0	51	4	0	3	55	1	552	58	0	611	666
3:00 PM	0	0	0	0	0	0	0	0	0	0	19	0	0	0	19	0	185	25	0	210	229
3:15 PM	0	0	0	0	0	0	0	0	0	0	19	0	0	0	19	0	162	27	0	189	208
3:30 PM	0	0	0	0	0	0	0	0	1	0	25	1	0	0	26	0	179	30	0	209	235
3:45 PM	0	0	0	0	0	0	0	0	1	0	12	1	0	0	13	0	161	35	0	196	209
Hourly Total	0	0	0	0	0	0	0	0	2	0	75	2	0	0	77	0	687	117	0	804	881
4:00 PM	0	0	0	0	0	0	0	0	2	0	16	2	0	1	18	1	181	36	0	218	236
4:15 PM	0	0	0	0	0	0	0	0	9	0	9	1	0	0	10	0	220	47	0	267	277
4:30 PM	0	0	0	0	0	0	0	0	4	0	19	2	0	0	21	0	218	56	0	274	295
4:45 PM	0	0	0	0	0	0	0	0	6	0	16	0	0	0	16	0	198	62	0	260	276
Hourly Total	0	0	0	0	0	0	0	0	21	0	60	5	0	1	65	1	817	201	0	1019	1084
5:00 PM	0	0	0	0	0	0	0	0	5	0	16	1	0	0	17	0	215	36	0	251	268
5:15 PM	0	0	0	0	0	0	0	0	5	0	18	1	0	1	19	0	226	33	0	259	278

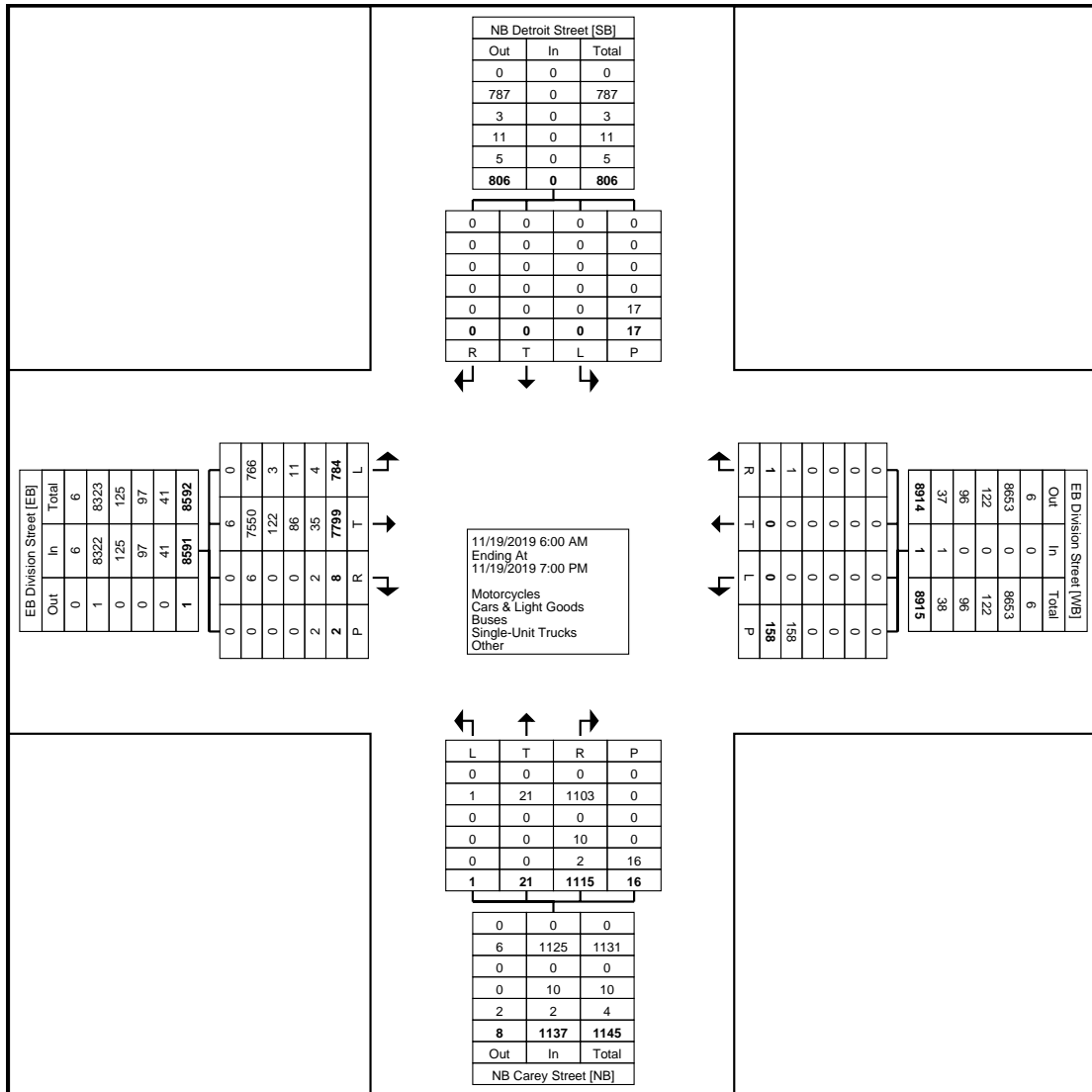
5:30 PM	0	0	0	0	0	0	0	0	5	0	12	0	0	0	12	0	239	40	0	279	291
5:45 PM	0	0	0	0	0	0	0	0	6	0	23	0	0	0	23	0	219	22	0	241	264
Hourly Total	0	0	0	0	0	0	0	0	21	0	69	2	0	1	71	0	899	131	0	1030	1101
6:00 PM	0	0	0	0	0	0	0	0	3	0	12	0	0	0	12	0	176	20	0	196	208
6:15 PM	0	0	0	0	0	0	0	0	4	0	20	0	0	0	20	0	179	10	0	189	209
6:30 PM	0	0	0	1	0	0	0	0	4	0	15	0	0	1	15	1	145	10	0	156	171
6:45 PM	0	0	0	0	0	0	0	0	8	0	9	1	0	2	10	0	153	6	0	159	169
Hourly Total	0	0	0	1	0	0	0	0	19	0	56	1	0	3	57	1	653	46	0	700	757
Grand Total	0	0	0	17	0	1	0	0	158	1	1115	21	1	16	1137	8	7799	784	2	8591	9729
Approach %	0.0	0.0	0.0	-	-	100.0	0.0	0.0	-	-	98.1	1.8	0.1	-	-	0.1	90.8	9.1	-	-	-
Total %	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	11.5	0.2	0.0	-	11.7	0.1	80.2	8.1	-	88.3	-
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	6	0	-	6	6
% Motorcycles	-	-	-	-	-	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.1	0.0	-	0.1	0.1
Cars & Light Goods	0	0	0	-	0	0	0	0	-	0	1103	21	1	-	1125	6	7550	766	-	8322	9447
% Cars & Light Goods	-	-	-	-	-	0.0	-	-	-	0.0	98.9	100.0	100.0	-	98.9	75.0	96.8	97.7	-	96.9	97.1
Buses	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	122	3	-	125	125
% Buses	-	-	-	-	-	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	1.6	0.4	-	1.5	1.3
Single-Unit Trucks	0	0	0	-	0	0	0	0	-	0	10	0	0	-	10	0	86	11	-	97	107
% Single-Unit Trucks	-	-	-	-	-	0.0	-	-	-	0.0	0.9	0.0	0.0	-	0.9	0.0	1.1	1.4	-	1.1	1.1
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	2	0	0	-	2	0	11	0	-	11	13
% Articulated Trucks	-	-	-	-	-	0.0	-	-	-	0.0	0.2	0.0	0.0	-	0.2	0.0	0.1	0.0	-	0.1	0.1
Bicycles on Road	0	0	0	-	0	1	0	0	-	1	0	0	0	-	0	2	24	4	-	30	31
% Bicycles on Road	-	-	-	-	-	100.0	-	-	-	100.0	0.0	0.0	0.0	-	0.0	25.0	0.3	0.5	-	0.3	0.3
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	30	-	-	-	-	3	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	19.0	-	-	-	-	18.8	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	17	-	-	-	-	128	-	-	-	-	13	-	-	-	-	2	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	81.0	-	-	-	-	81.3	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU2Z4
 SW

Count Name: TMC_18
 Division & Carey_11-19-19
 Site Code: TMC_18
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU2Z4
 SW

Count Name: TMC_18
 Division & Carey_11-19-19
 Site Code: TMC_18
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:45 AM)

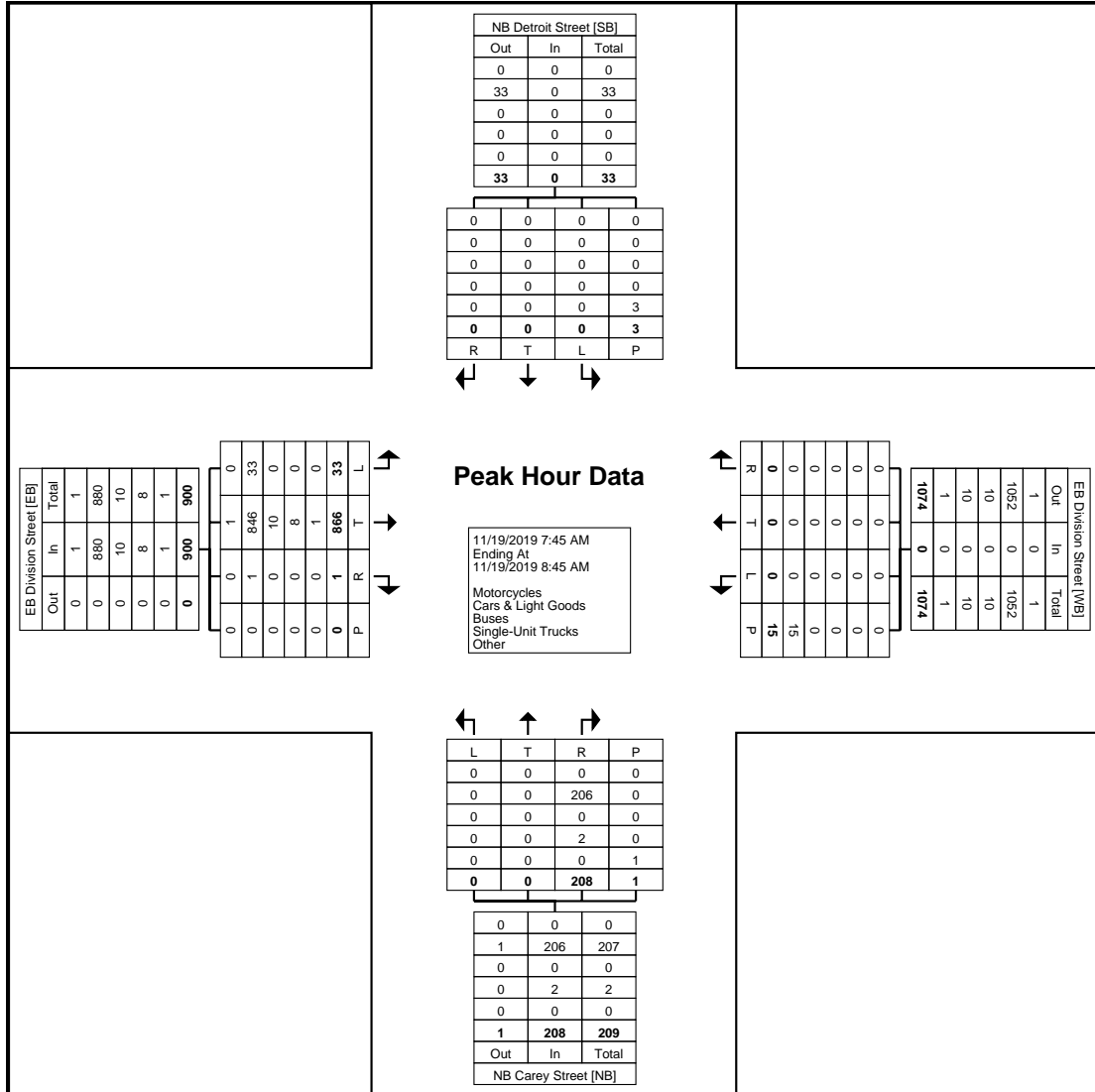
Start Time	NB Detroit Street Southbound					EB Division Street Westbound					NB Carey Street Northbound					EB Division Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
7:45 AM	0	0	0	0	0	0	0	0	4	0	50	0	0	0	50	0	218	9	0	227	277
8:00 AM	0	0	0	0	0	0	0	0	3	0	55	0	0	0	55	1	220	8	0	229	284
8:15 AM	0	0	0	0	0	0	0	0	5	0	46	0	0	1	46	0	214	8	0	222	268
8:30 AM	0	0	0	3	0	0	0	0	3	0	57	0	0	0	57	0	214	8	0	222	279
Total	0	0	0	3	0	0	0	0	15	0	208	0	0	1	208	1	866	33	0	900	1108
Approach %	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	100.0	0.0	0.0	-	-	0.1	96.2	3.7	-	-	-
Total %	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	18.8	0.0	0.0	-	18.8	0.1	78.2	3.0	-	81.2	-
PHF	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	-	0.000	0.912	0.000	0.000	-	0.912	0.250	0.984	0.917	-	0.983	0.975
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	1
% Motorcycles	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	0.0	0.1	0.0	-	0.1	0.1
Cars & Light Goods	0	0	0	-	0	0	0	0	-	0	206	0	0	-	206	1	846	33	-	880	1086
% Cars & Light Goods	-	-	-	-	-	-	-	-	-	-	99.0	-	-	-	99.0	100.0	97.7	100.0	-	97.8	98.0
Buses	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	10	0	-	10	10
% Buses	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	0.0	1.2	0.0	-	1.1	0.9
Single-Unit Trucks	0	0	0	-	0	0	0	0	-	0	2	0	0	-	2	0	8	0	-	8	10
% Single-Unit Trucks	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	1.0	0.0	0.9	0.0	-	0.9	0.9
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	1
% Bicycles on Road	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	0.0	0.1	0.0	-	0.1	0.1
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	8	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	53.3	-	-	-	-	0.0	-	-	-	-	-	-	-
Pedestrians	-	-	-	3	-	-	-	-	7	-	-	-	-	1	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	46.7	-	-	-	-	100.0	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU2Z4
 SW

Count Name: TMC_18
 Division & Carey_11-19-19
 Site Code: TMC_18
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU2Z4
 SW

Count Name: TMC_18
 Division & Carey_11-19-19
 Site Code: TMC_18
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:45 AM)

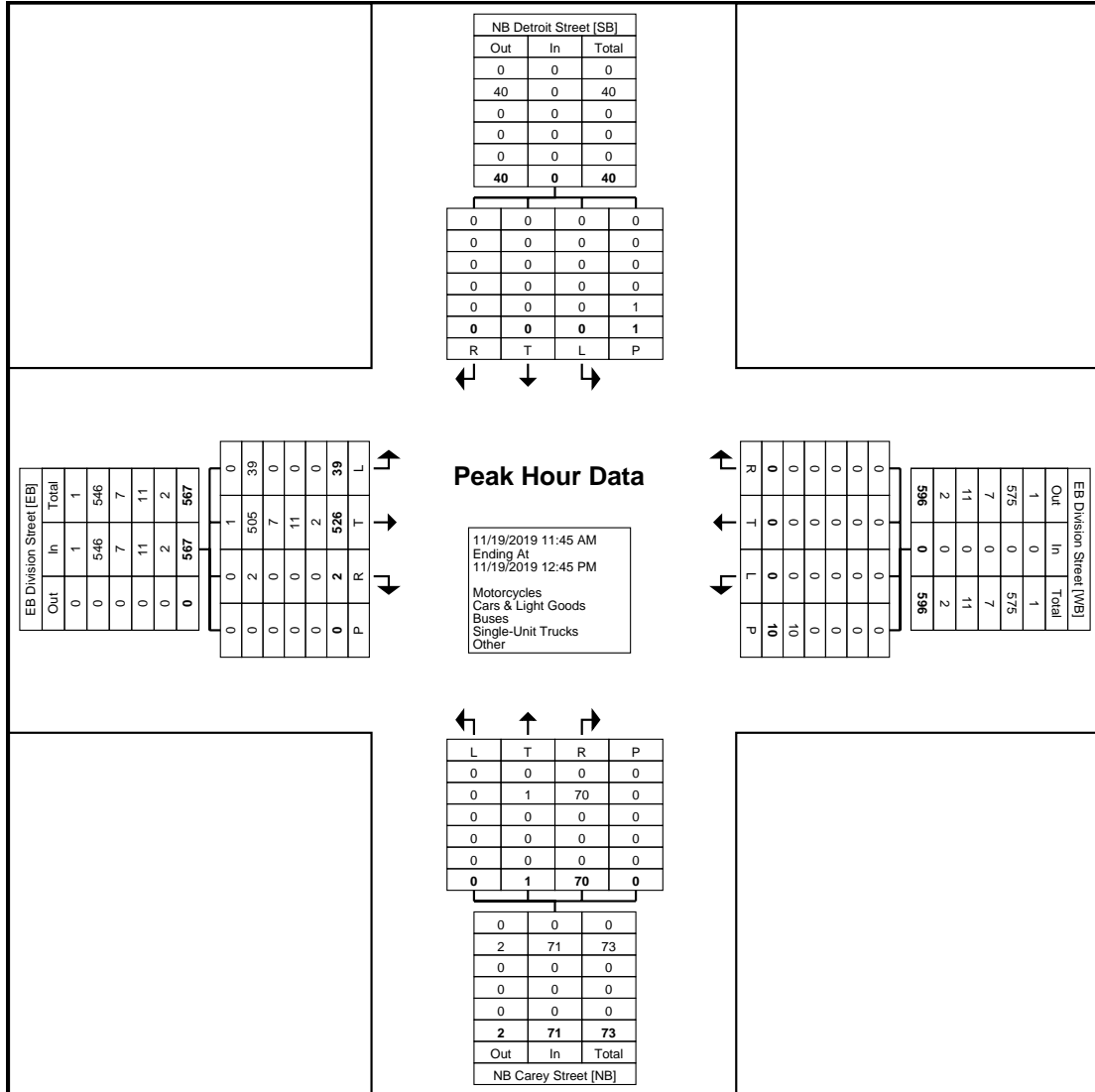
Start Time	NB Detroit Street Southbound					EB Division Street Westbound					NB Carey Street Northbound					EB Division Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
11:45 AM	0	0	0	1	0	0	0	0	1	0	18	1	0	0	19	1	131	10	0	142	161
12:00 PM	0	0	0	0	0	0	0	0	2	0	14	0	0	0	14	1	131	11	0	143	157
12:15 PM	0	0	0	0	0	0	0	0	5	0	21	0	0	0	21	0	125	4	0	129	150
12:30 PM	0	0	0	0	0	0	0	0	2	0	17	0	0	0	17	0	139	14	0	153	170
Total	0	0	0	1	0	0	0	0	10	0	70	1	0	0	71	2	526	39	0	567	638
Approach %	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	98.6	1.4	0.0	-	-	0.4	92.8	6.9	-	-	-
Total %	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	11.0	0.2	0.0	-	11.1	0.3	82.4	6.1	-	88.9	-
PHF	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	-	0.000	0.833	0.250	0.000	-	0.845	0.500	0.946	0.696	-	0.926	0.938
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	1
% Motorcycles	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.2	0.0	-	0.2	0.2
Cars & Light Goods	0	0	0	-	0	0	0	0	-	0	70	1	0	-	71	2	505	39	-	546	617
% Cars & Light Goods	-	-	-	-	-	-	-	-	-	-	100.0	100.0	-	-	100.0	100.0	96.0	100.0	-	96.3	96.7
Buses	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	7	0	-	7	7
% Buses	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	1.3	0.0	-	1.2	1.1
Single-Unit Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	11	0	-	11	11
% Single-Unit Trucks	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	2.1	0.0	-	1.9	1.7
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	2	0	-	2	2
% Bicycles on Road	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.4	0.0	-	0.4	0.3
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	10.0	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	1	-	-	-	-	9	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	90.0	-	-	-	-	-	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU2Z4
 SW

Count Name: TMC_18
 Division & Carey_11-19-19
 Site Code: TMC_18
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU2Z4
 SW

Count Name: TMC_18
 Division & Carey_11-19-19
 Site Code: TMC_18
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:30 PM)

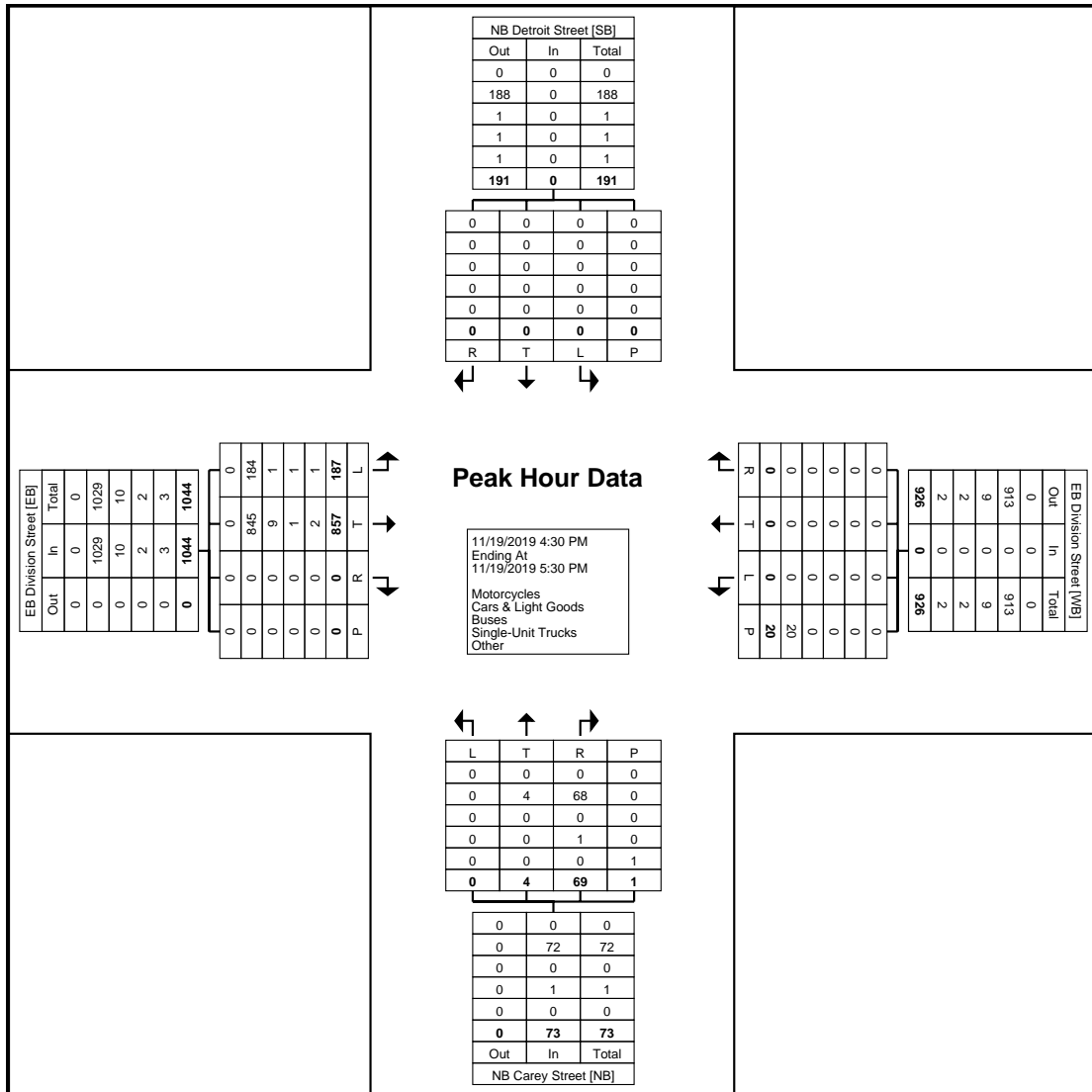
Start Time	NB Detroit Street Southbound					EB Division Street Westbound					NB Carey Street Northbound					EB Division Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
4:30 PM	0	0	0	0	0	0	0	0	4	0	19	2	0	0	21	0	218	56	0	274	295
4:45 PM	0	0	0	0	0	0	0	0	6	0	16	0	0	0	16	0	198	62	0	260	276
5:00 PM	0	0	0	0	0	0	0	0	5	0	16	1	0	0	17	0	215	36	0	251	268
5:15 PM	0	0	0	0	0	0	0	0	5	0	18	1	0	1	19	0	226	33	0	259	278
Total	0	0	0	0	0	0	0	0	20	0	69	4	0	1	73	0	857	187	0	1044	1117
Approach %	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	94.5	5.5	0.0	-	-	0.0	82.1	17.9	-	-	-
Total %	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	6.2	0.4	0.0	-	6.5	0.0	76.7	16.7	-	93.5	-
PHF	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	-	0.000	0.908	0.500	0.000	-	0.869	0.000	0.948	0.754	-	0.953	0.947
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	0.0	-	0.0	0.0	-	0.0	0.0
Cars & Light Goods	0	0	0	-	0	0	0	0	-	0	68	4	0	-	72	0	845	184	-	1029	1101
% Cars & Light Goods	-	-	-	-	-	-	-	-	-	-	98.6	100.0	-	-	98.6	-	98.6	98.4	-	98.6	98.6
Buses	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	9	1	-	10	10
% Buses	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	0.0	-	1.1	0.5	-	1.0	0.9
Single-Unit Trucks	0	0	0	-	0	0	0	0	-	0	1	0	0	-	1	0	1	1	-	2	3
% Single-Unit Trucks	-	-	-	-	-	-	-	-	-	-	1.4	0.0	-	-	1.4	-	0.1	0.5	-	0.2	0.3
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	1
% Articulated Trucks	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	0.0	-	0.1	0.0	-	0.1	0.1
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	1	1	-	2	2
% Bicycles on Road	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	0.0	-	0.1	0.5	-	0.2	0.2
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	2	-	-	-	-	1	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	10.0	-	-	-	-	100.0	-	-	-	-	-	-	-
Pedestrians	-	-	-	0	-	-	-	-	18	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	90.0	-	-	-	-	0.0	-	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU2Z4
 SW

Count Name: TMC_18
 Division & Carey_11-19-19
 Site Code: TMC_18
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:30 PM)



Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU2Z4
SW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_18
Division & Carey_11-19-19
Site Code: TMC_18
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized controlled intersection, Carey St. is stop controlled for EB Broadway St. VCU camera was located within SW intersection quadrant. NB signed Turn Right Only, violations recorded during study period. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_18 Division & Carey_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728554, Location: 42.286801, -83.74341, Site Code: TMC_18 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB Detroit Street Southbound						EB Division Street Westbound						NB Carey Street Northbound						EB Division Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 6:00AM	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	13	0	0	22	2	0	24	0	37
6:15AM	0	0	0	0	0	0	0	0	0	0	0	3	20	1	0	0	21	0	0	49	2	0	51	0	72
6:30AM	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	17	1	0	54	3	0	57	0	74
6:45AM	0	0	0	0	0	0	0	0	0	0	0	1	27	0	0	0	27	0	0	74	2	0	76	0	103
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	4	77	1	0	0	78	1	0	199	9	0	208	0	286
7:00AM	0	0	0	0	0	0	0	0	0	0	0	8	20	0	0	0	20	0	0	82	1	0	83	0	103
7:15AM	0	0	0	0	0	0	0	0	0	0	0	3	34	0	0	0	34	0	0	123	7	0	130	1	164
7:30AM	0	0	0	0	0	0	0	0	0	0	0	2	34	0	0	0	34	0	0	181	7	0	188	0	222
7:45AM	0	0	0	0	0	0	0	0	0	0	0	4	50	0	0	0	50	0	0	218	9	0	227	0	277
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	17	138	0	0	0	138	0	0	604	24	0	628	1	766
8:00AM	0	0	0	0	0	0	0	0	0	0	0	3	55	0	0	0	55	0	1	220	8	0	229	0	284
8:15AM	0	0	0	0	0	0	0	0	0	0	0	5	46	0	0	0	46	1	0	214	8	0	222	0	268
8:30AM	0	0	0	0	0	3	0	0	0	0	0	3	57	0	0	0	57	0	0	214	8	0	222	0	279
8:45AM	0	0	0	0	0	2	0	0	0	0	0	1	55	0	0	0	55	0	0	185	9	0	194	0	249
Hourly Total	0	0	0	0	0	5	0	0	0	0	0	12	213	0	0	0	213	1	1	833	33	0	867	0	1080
9:00AM	0	0	0	0	0	0	0	0	0	0	0	3	27	0	0	0	27	1	1	186	5	0	192	0	219
9:15AM	0	0	0	0	0	0	0	0	0	0	0	2	28	0	1	0	29	0	0	139	13	0	152	0	181
9:30AM	0	0	0	0	0	0	0	0	0	0	0	7	25	0	0	0	25	4	0	115	6	0	121	0	146
9:45AM	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	22	0	0	138	9	0	147	0	169
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	12	102	0	1	0	103	5	1	578	33	0	612	0	715
10:00AM	0	0	0	0	0	0	0	0	0	0	0	3	22	1	0	0	23	0	0	129	5	0	134	0	157
10:15AM	0	0	0	0	0	0	0	0	0	0	0	3	15	0	0	0	15	1	0	122	2	0	124	0	139
10:30AM	0	0	0	0	0	0	0	0	0	0	0	3	22	2	0	0	24	0	0	117	7	0	124	0	148
10:45AM	0	0	0	0	0	0	0	0	0	0	0	4	21	0	0	0	21	0	0	93	5	0	98	0	119
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	13	80	3	0	0	83	1	0	461	19	0	480	0	563
11:00AM	0	0	0	0	0	0	0	0	0	0	0	2	10	0	0	0	10	0	0	111	4	0	115	0	125
11:15AM	0	0	0	0	0	0	0	0	0	0	0	1	12	0	0	0	12	0	0	134	6	0	140	0	152
11:30AM	0	0	0	0	0	3	0	0	0	0	0	5	14	1	0	0	15	0	0	137	10	0	147	1	162
11:45AM	0	0	0	0	0	1	0	0	0	0	0	1	18	1	0	0	19	0	1	131	10	0	142	0	161
Hourly Total	0	0	0	0	0	4	0	0	0	0	0	9	54	2	0	0	56	0	1	513	30	0	544	1	600
12:00PM	0	0	0	0	0	0	0	0	0	0	0	2	14	0	0	0	14	0	1	131	11	0	143	0	157
12:15PM	0	0	0	0	0	0	0	0	0	0	0	5	21	0	0	0	21	0	0	125	4	0	129	0	150
12:30PM	0	0	0	0	0	0	0	0	0	0	0	2	17	0	0	0	17	0	0	139	14	0	153	0	170
12:45PM	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	18	0	1	122	10	0	133	0	151
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	9	70	0	0	0	70	0	2	517	39	0	558	0	628
1:00PM	0	0	0	0	0	0	0	0	0	0	0	3	18	0	0	0	18	0	0	130	12	0	142	0	160
1:15PM	0	0	0	0	0	0	0	0	0	0	0	1	22	0	0	0	22	0	0	121	13	0	134	0	156
1:30PM	0	0	0	0	0	0	1	0	0	0	1	2	21	1	0	0	22	0	0	122	6	0	128	0	151
1:45PM	0	0	0	0	0	0	0	0	0	0	0	2	9	0	0	0	9	0	0	113	13	0	126	0	135
Hourly Total	0	0	0	0	0	0	1	0	0	0	1	8	70	1	0	0	71	0	0	486	44	0	530	0	602
2:00PM	0	0	0	0	0	0	0	0	0	0	0	1	13	2	0	0	15	2	0	114	16	0	130	0	145
2:15PM	0	0	0	0	0	3	0	0	0	0	0	6	8	1	0	0	9	0	0	139	11	0	150	0	159
2:30PM	0	0	0	0	0	2	0	0	0	0	0	1	14	0	0	0	14	1	0	159	15	0	174	0	188
2:45PM	0	0	0	0	0	2	0	0	0	0	0	3	16	1	0	0	17	0	1	140	16	0	157	0	174
Hourly Total	0	0	0	0	0	7	0	0	0	0	0	11	51	4	0	0	55	3	1	552	58	0	611	0	666
3:00PM	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	19	0	0	185	25	0	210	0	229
3:15PM	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	19	0	0	162	27	0	189	0	208
3:30PM	0	0	0	0	0	0	0	0	0	0	0	1	25	1	0	0	26	0	0	179	30	0	209	0	235
3:45PM	0	0	0	0	0	0	0	0	0	0	0	1	12	1	0	0	13	0	0	161	35	0	196	0	209
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	2	75	2	0	0	77	0	0	687	117	0	804	0	881
4:00PM	0	0	0	0	0	0	0	0	0	0	0	2	16	2	0	0	18	1	1	181	36	0	218	0	236
4:15PM	0	0	0	0	0	0	0	0	0	0	0	9	9	1	0	0	10	0	0	220	47	0	267	0	277
4:30PM	0	0	0	0	0	0	0	0	0	0	0	4	19	2	0	0	21	0	0	218	56	0	274	0	295
4:45PM	0	0	0	0	0	0	0	0	0	0	0	6	16	0	0	0	16	0	0	198	62	0	260	0	276
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	21	60	5	0	0	65	1	1	817	201	0	1019	0	1084
5:00PM	0	0	0	0	0	0	0	0	0	0	0	5	16	1	0	0	17	0	0	215	36	0	251	0	268
5:15PM	0	0	0	0	0	0	0	0	0	0	0	5	18	1	0	0	19	1	0	226	33	0	259	0	278
5:30PM	0	0	0	0	0	0	0	0	0	0	0	5	12	0	0	0	12	0	0	239	40	0	279	0	291
5:45PM	0	0	0	0	0	0	0	0	0	0	0	6	23	0	0	0	23	0	0	219	22	0	241	0	264
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	21	69	2	0	0	71	1	0	899	131	0	1030	0	1101

Leg Direction	NB Detroit Street Southbound						EB Division Street Westbound						NB Carey Street Northbound						EB Division Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
6:00PM	0	0	0	0	0	0	0	0	0	0	0	3	12	0	0	0	12	0	0	176	20	0	196	0	208
6:15PM	0	0	0	0	0	0	0	0	0	0	0	4	20	0	0	0	20	0	0	179	10	0	189	0	209
6:30PM	0	0	0	0	0	1	0	0	0	0	0	4	15	0	0	0	15	1	1	145	10	0	156	0	171
6:45PM	0	0	0	0	0	0	0	0	0	0	0	8	9	1	0	0	10	2	0	153	6	0	159	0	169
Hourly Total	0	0	0	0	0	1	0	0	0	0	0	19	56	1	0	0	57	3	1	653	46	0	700	0	757
Total	0	0	0	0	0	17	1	0	0	0	1	158	1115	21	1	0	1137	16	8	7799	784	0	8591	2	9729
% Approach	0%	0%	0%	0%	0%	-	100%	0%	0%	0%	0%	-	98.1%	1.8%	0.1%	0%	-	-	0.1%	90.8%	9.1%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	11.5%	0.2%	0%	0%	11.7%	-	0.1%	80.2%	8.1%	0%	88.3%	-	-
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	6	0	0	6	-	6
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0.1%
Lights	0	0	0	0	0	-	0	0	0	0	0	-	1103	21	1	0	1125	-	6	7550	766	0	8322	-	9447
% Lights	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	98.9%	100%	100%	0%	98.9%	-	75.0%	96.8%	97.7%	0%	96.9%	-	97.1%
Single-Unit Trucks	0	0	0	0	0	-	0	0	0	0	0	-	10	0	0	0	10	-	0	86	11	0	97	-	107
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.9%	0%	0%	0%	0.9%	-	0%	1.1%	1.4%	0%	1.1%	-	1.1%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	2	0	0	0	2	-	0	11	0	0	11	-	13
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.2%	0%	0%	0%	0.2%	-	0%	0.1%	0%	0%	0.1%	-	0.1%
Buses	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	122	3	0	125	-	125
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	1.6%	0.4%	0%	1.5%	-	1.3%
Bicycles on Road	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	2	24	4	0	30	-	31
% Bicycles on Road	0%	0%	0%	0%	0%	-	100%	0%	0%	0%	100%	-	0%	0%	0%	0%	0%	-	25.0%	0.3%	0.5%	0%	0.3%	-	0.3%
Pedestrians	-	-	-	-	-	17	-	-	-	-	-	128	-	-	-	-	-	13	-	-	-	-	-	2	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	81.0%	-	-	-	-	-	81.3%	-	-	-	-	-	100%	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	30	-	-	-	-	-	3	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	19.0%	-	-	-	-	-	18.8%	-	-	-	-	-	0%	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_18 Division & Carey_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728554, Location: 42.286801, -83.74341, Site Code: TMC_18 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

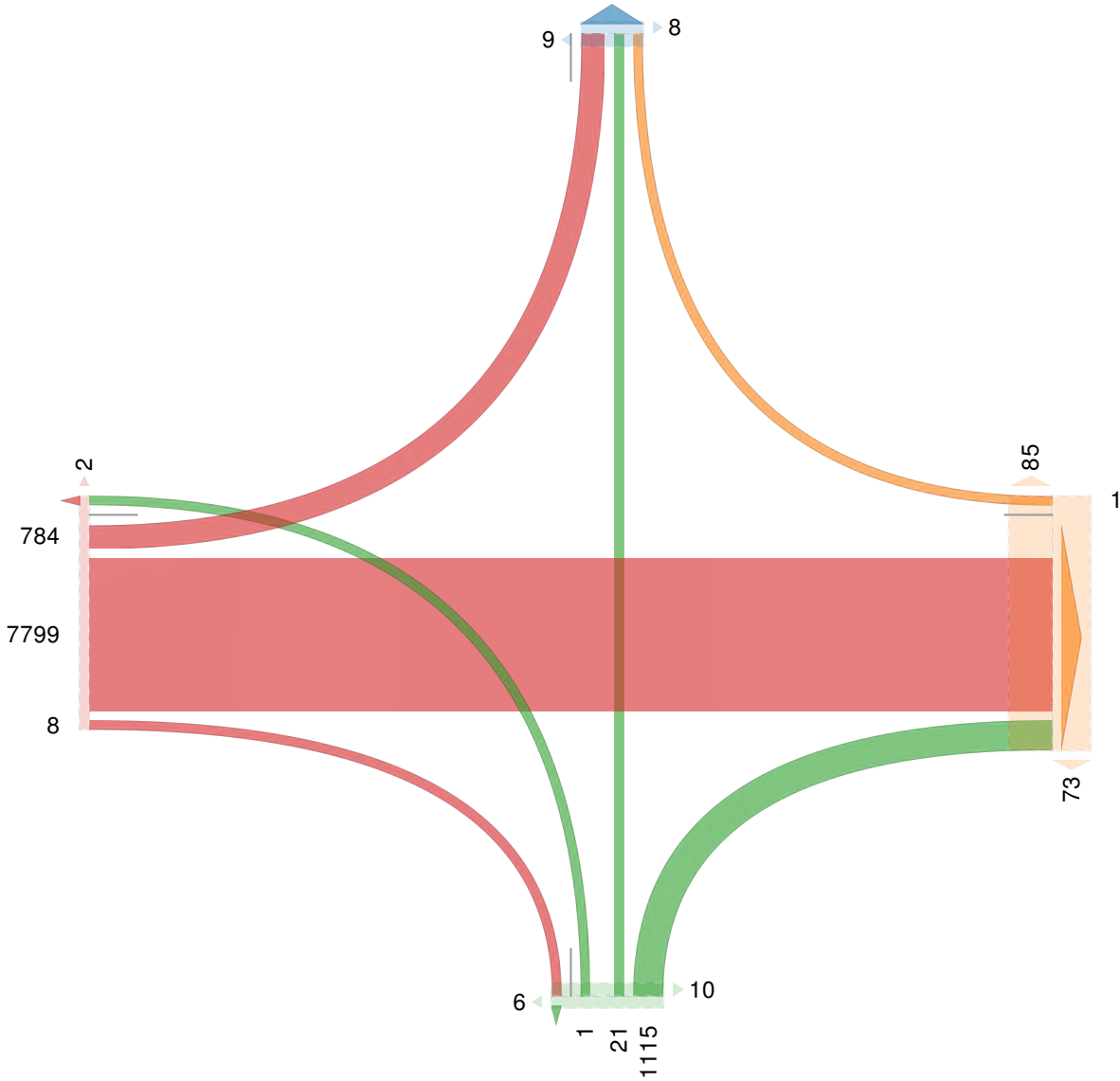
[N] NB Detroit Street

Total: 806

In: 0 Out: 806

[W] EB Division Street

Total: 8592
In: 8591 Out: 1



[E] EB Division Street
Out: 8914 In: 1
Total: 8915

Out: 8 In: 1137
Total: 1145
[S] NB Carey Street

TMC_18 Division & Carey_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728554, Location: 42.286801, -83.74341, Site Code: TMC_18 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB Detroit Street Southbound						EB Division Street Westbound						NB Carey Street Northbound						EB Division Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 7:45AM	0	0	0	0	0	0	0	0	0	0	0	4	50	0	0	0	50	0	0	218	9	0	227	0	277
8:00AM	0	0	0	0	0	0	0	0	0	0	0	3	55	0	0	0	55	0	1	220	8	0	229	0	284
8:15AM	0	0	0	0	0	0	0	0	0	0	0	5	46	0	0	0	46	1	0	214	8	0	222	0	268
8:30AM	0	0	0	0	0	3	0	0	0	0	0	3	57	0	0	0	57	0	0	214	8	0	222	0	279
Total	0	0	0	0	0	3	0	0	0	0	0	15	208	0	0	0	208	1	1	866	33	0	900	0	1108
% Approach	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	100%	0%	0%	0%	-	-	0.1%	96.2%	3.7%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18.8%	0%	0%	0%	18.8%	-	0.1%	78.2%	3.0%	0%	81.2%	-	-
PHF	-	-	-	-	-	-	-	-	-	-	-	-	0.912	-	-	-	0.912	-	0.250	0.983	0.917	-	0.981	-	0.974
Motorcycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0.1%
Lights	0	0	0	0	0	-	0	0	0	0	0	-	206	0	0	0	206	-	1	846	33	0	880	-	1086
% Lights	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	99.0%	0%	0%	0%	99.0%	-	100%	97.7%	100%	0%	97.8%	-	98.0%
Single-Unit Trucks	0	0	0	0	0	-	0	0	0	0	0	-	2	0	0	0	2	-	0	8	0	0	8	-	10
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	1.0%	0%	0%	0%	1.0%	-	0%	0.9%	0%	0%	0.9%	-	0.9%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	10	0	0	10	-	10
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	1.2%	0%	0%	1.1%	-	0.9%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0.1%
Pedestrians	-	-	-	-	-	3	-	-	-	-	-	7	-	-	-	-	-	1	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	46.7%	-	-	-	-	-	100%	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	8	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	53.3%	-	-	-	-	-	0%	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_18 Division & Carey_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728554, Location: 42.286801, -83.74341, Site Code: TMC_18 Traffic Data Collection, LLC



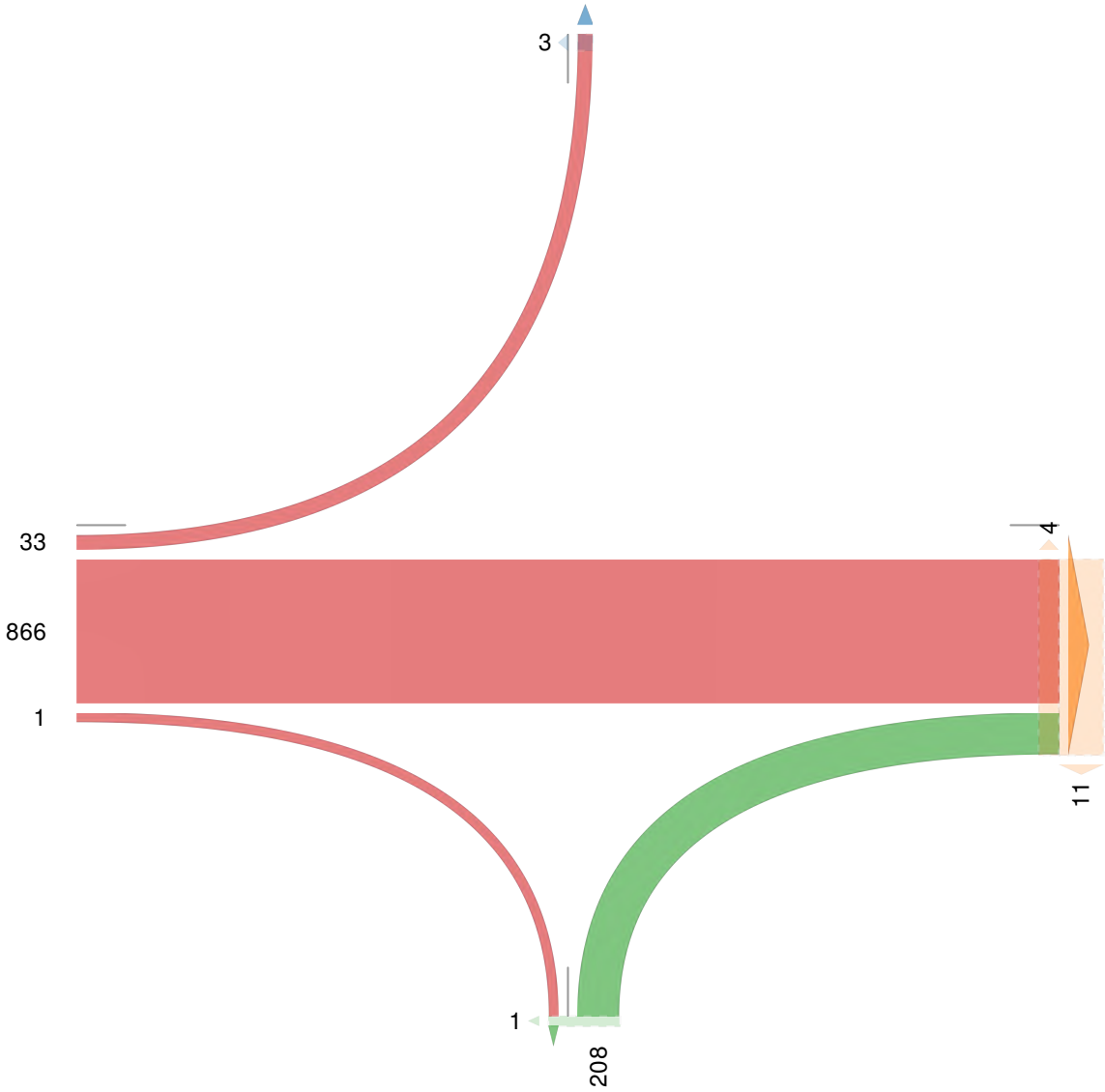
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB Detroit Street

Total: 33
In: 0 Out: 33

[W] EB Division Street

Total: 900
In: 900 Out: 0



[E] EB Division Street

Total: 1074
In: 0 Out: 1074

[S] NB Carey Street

Total: 209
In: 208 Out: 1

TMC_18 Division & Carey_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728554, Location: 42.286801, -83.74341, Site Code: TMC_18 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB Detroit Street Southbound						EB Division Street Westbound						NB Carey Street Northbound						EB Division Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 11:45AM	0	0	0	0	0	1	0	0	0	0	0	1	18	1	0	0	19	0	1	131	10	0	142	0	161
12:00PM	0	0	0	0	0	0	0	0	0	0	0	2	14	0	0	0	14	0	1	131	11	0	143	0	157
12:15PM	0	0	0	0	0	0	0	0	0	0	0	5	21	0	0	0	21	0	0	125	4	0	129	0	150
12:30PM	0	0	0	0	0	0	0	0	0	0	0	2	17	0	0	0	17	0	0	139	14	0	153	0	170
Total	0	0	0	0	0	1	0	0	0	0	0	10	70	1	0	0	71	0	2	526	39	0	567	0	638
% Approach	0%	0%	0%	0%	-	-	0%	0%	0%	0%	-	-	98.6%	1.4%	0%	0%	-	-	0.4%	92.8%	6.9%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	11.0%	0.2%	0%	0%	11.1%	-	0.3%	82.4%	6.1%	0%	88.9%	-	-
PHF	-	-	-	-	-	-	-	-	-	-	-	-	0.833	0.250	-	-	0.845	-	0.500	0.942	0.696	-	0.923	-	0.935
Motorcycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0.2%
Lights	0	0	0	0	0	0	0	0	0	0	0	0	70	1	0	0	71	0	2	505	39	0	546	0	617
% Lights	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	100%	100%	0%	0%	100%	-	100%	96.0%	100%	0%	96.3%	-	96.7%
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	11
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	2.1%	0%	0%	1.9%	-	1.7%
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	7
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	1.3%	0%	0%	1.2%	-	1.1%
Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.4%	-	0.3%
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	9	-	-	-	-	-	0	-	-	-	-	-	0	0
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	90.0%	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	0
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	10.0%	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_18 Division & Carey_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728554, Location: 42.286801, -83.74341, Site Code: TMC_18 Traffic Data Collection, LLC



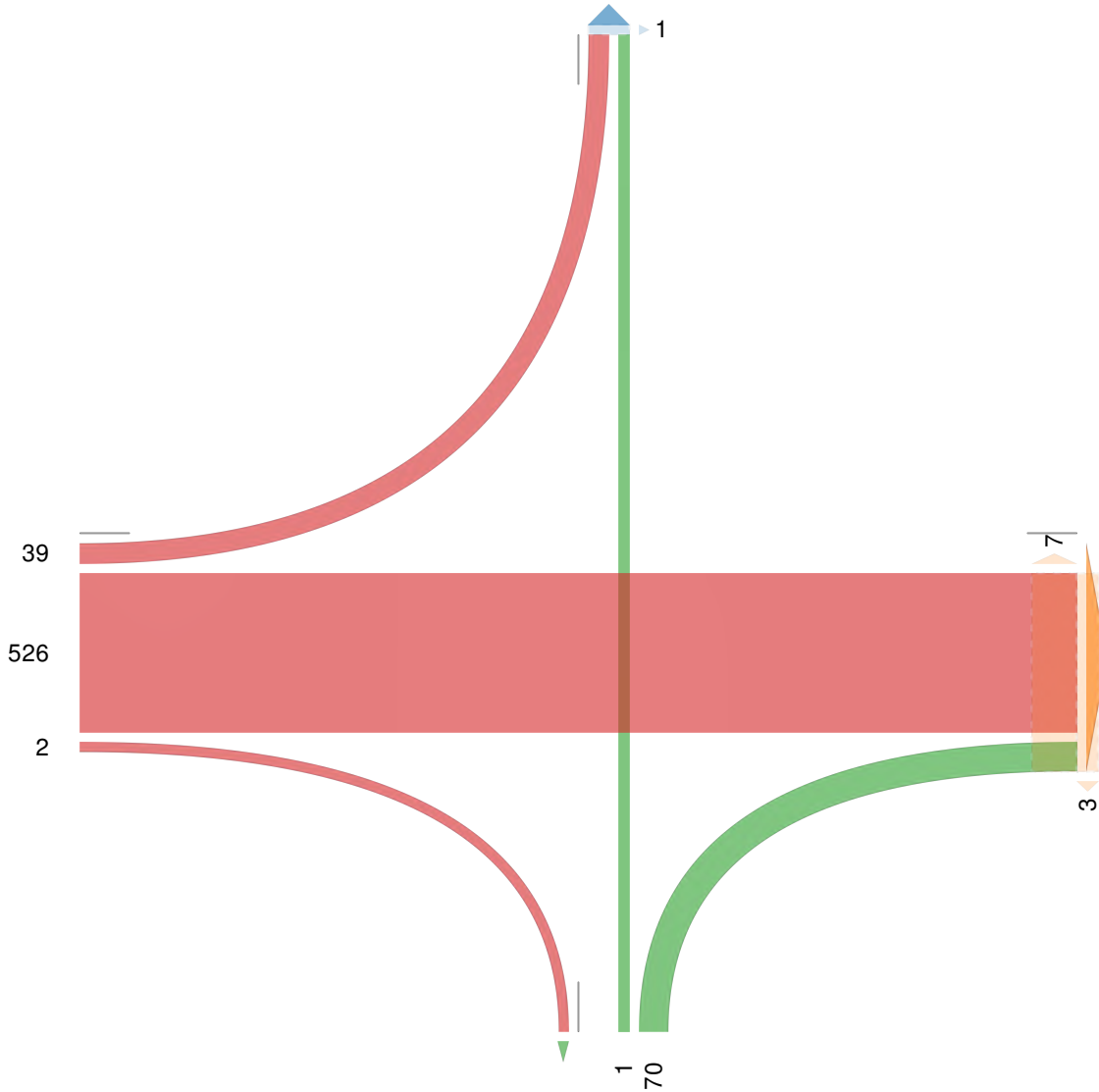
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB Detroit Street

Total: 40
In: 0 Out: 40

[W] EB Division Street

Total: 567
In: 567 Out: 0



[E] EB Division Street
Out: 596 In: 0
Total: 596

Out: 2 In: 71
Total: 73
[S] NB Carey Street

TMC_18 Division & Carey_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728554, Location: 42.286801, -83.74341, Site Code: TMC_18 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB Detroit Street Southbound						EB Division Street Westbound						NB Carey Street Northbound						EB Division Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 4:30PM	0	0	0	0	0	0	0	0	0	0	0	0	19	2	0	0	21	0	0	218	56	0	274	0	295
4:45PM	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	16	0	0	198	62	0	260	0	276
5:00PM	0	0	0	0	0	0	0	0	0	0	0	0	16	1	0	0	17	0	0	215	36	0	251	0	268
5:15PM	0	0	0	0	0	0	0	0	0	0	0	0	18	1	0	0	19	1	0	226	33	0	259	0	278
Total	0	0	0	0	0	0	0	0	0	0	0	0	69	4	0	0	73	1	0	857	187	0	1044	0	1117
% Approach	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	94.5%	5.5%	0%	0%	-	-	0%	82.1%	17.9%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6.2%	0.4%	0%	0%	6.5%	-	0%	76.7%	16.7%	0%	93.5%	-	-
PHF	-	-	-	-	-	-	-	-	-	-	-	-	0.908	0.500	-	-	0.869	-	-	0.947	0.762	-	0.951	-	0.945
Motorcycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%
Lights	0	0	0	0	0	0	0	0	0	0	0	0	68	4	0	0	72	-	0	845	184	0	1029	-	1101
% Lights	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	98.6%	100%	0%	0%	98.6%	-	0%	98.6%	98.4%	0%	98.6%	-	98.6%
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	-	0	1	1	0	2	-	3
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	1.4%	0%	0%	0%	1.4%	-	0%	0.1%	0.5%	0%	0.2%	-	0.3%
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	1	0	0	1	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0.1%
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	9	1	0	10	-	10
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	1.1%	0.5%	0%	1.0%	-	0.9%
Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	1	1	0	2	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0.5%	0%	0.2%	-	0.2%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	18	-	-	-	-	-	0	-	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	90.0%	-	-	-	-	-	0%	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	10.0%	-	-	-	-	-	100%	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_18 Division & Carey_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728554, Location: 42.286801, -83.74341, Site Code: TMC_18 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

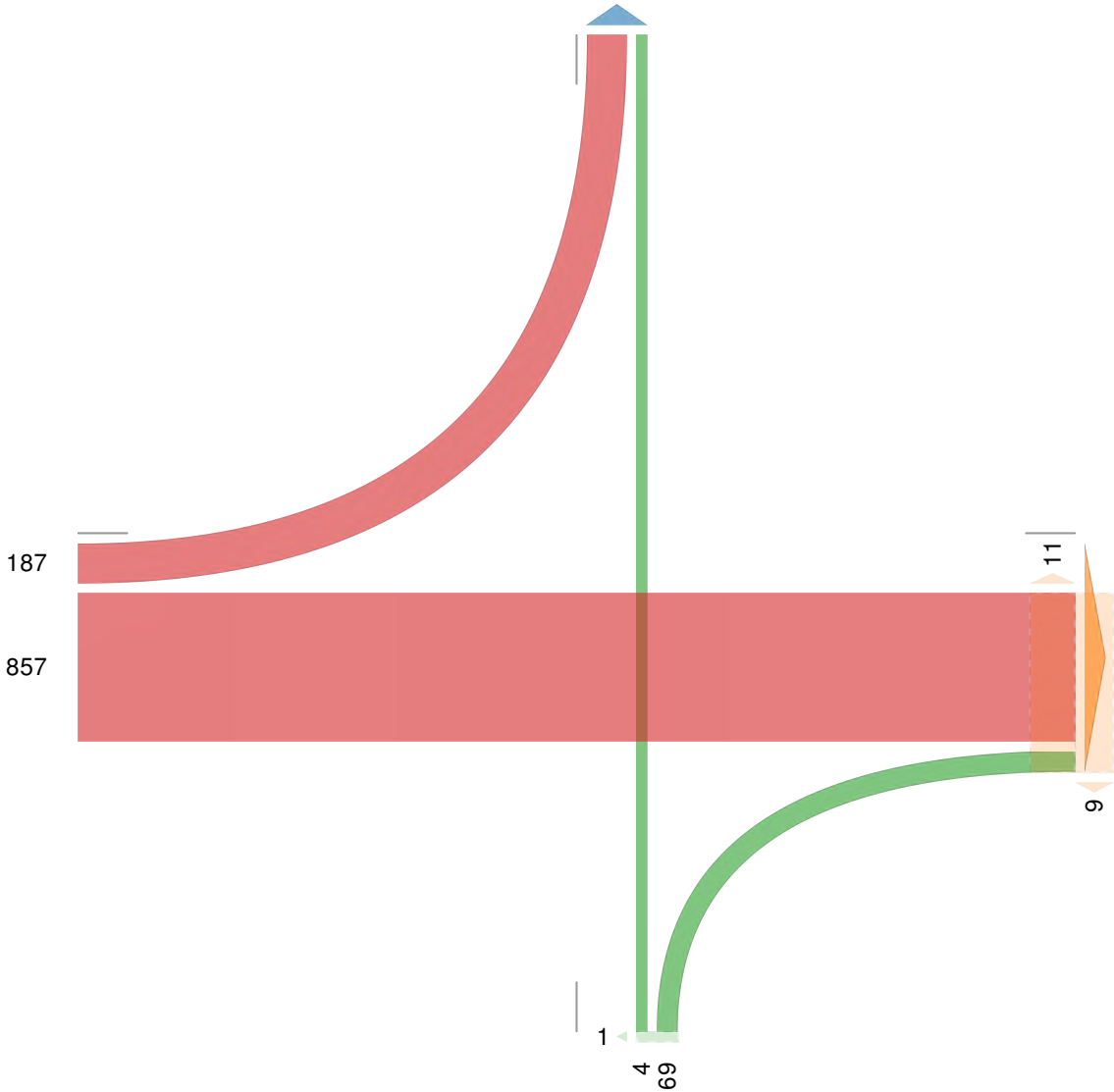
[N] NB Detroit Street

Total: 191

In: 0 Out: 191

[W] EB Division Street

Total: 1044
In: 1044 Out: 0



Out: 926 In: 0

[E] EB Division Street

Total: 926

Out: 0 In: 73
Total: 73

[S] NB Carey Street



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34G
 SW

Count Name: TMC_19
 Division & Detroit_11-19-19
 Site Code: TMC_19
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	NB N. Division Street Southbound				NB N. Division Street Northbound				Detroit Street Eastbound				Int. Total
	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
6:00 AM	0	0	0	0	25	0	0	25	0	2	0	2	27
6:15 AM	4	0	0	4	48	0	1	48	0	7	2	7	59
6:30 AM	8	0	1	8	63	0	0	63	0	7	0	7	78
6:45 AM	10	0	0	10	80	0	0	80	0	13	1	13	103
Hourly Total	22	0	1	22	216	0	1	216	0	29	3	29	267
7:00 AM	9	0	0	9	86	0	1	86	0	16	2	16	111
7:15 AM	11	0	0	11	120	1	0	121	0	25	1	25	157
7:30 AM	22	0	1	22	184	1	2	185	0	26	2	26	233
7:45 AM	15	0	0	15	218	0	2	218	0	43	4	43	276
Hourly Total	57	0	1	57	608	2	5	610	0	110	9	110	777
8:00 AM	14	0	0	14	235	0	3	235	0	25	4	25	274
8:15 AM	23	0	0	23	208	0	4	208	0	30	5	30	261
8:30 AM	20	0	0	20	227	3	3	230	0	23	9	23	273
8:45 AM	14	0	0	14	181	1	3	182	0	31	2	31	227
Hourly Total	71	0	0	71	851	4	13	855	0	109	20	109	1035
9:00 AM	20	0	1	20	193	2	2	195	0	25	1	25	240
9:15 AM	12	0	0	12	155	1	2	156	0	26	4	26	194
9:30 AM	10	0	0	10	115	1	1	116	0	21	2	21	147
9:45 AM	7	0	0	7	142	4	1	146	0	19	5	19	172
Hourly Total	49	0	1	49	605	8	6	613	0	91	12	91	753
10:00 AM	5	0	1	5	136	0	2	136	0	15	4	15	156
10:15 AM	15	0	0	15	129	4	3	133	0	16	2	16	164
10:30 AM	9	0	1	9	129	3	0	132	0	14	1	14	155
10:45 AM	10	0	1	10	99	1	1	100	0	8	0	8	118
Hourly Total	39	0	3	39	493	8	6	501	0	53	7	53	593
11:00 AM	7	0	0	7	113	5	2	118	0	15	2	15	140
11:15 AM	10	0	0	10	136	1	1	137	0	21	3	21	168
11:30 AM	21	0	0	21	159	4	2	163	0	11	3	11	195
11:45 AM	6	0	0	6	145	4	1	149	0	13	1	13	168
Hourly Total	44	0	0	44	553	14	6	567	0	60	9	60	671
12:00 PM	13	0	0	13	149	4	2	153	0	22	2	22	188
12:15 PM	3	0	0	3	131	4	1	135	0	23	6	23	161
12:30 PM	10	0	0	10	154	2	1	156	0	22	2	22	188
12:45 PM	11	0	0	11	141	4	2	145	0	23	2	23	179
Hourly Total	37	0	0	37	575	14	6	589	0	90	12	90	716
1:00 PM	10	0	0	10	145	3	2	148	0	21	3	21	179
1:15 PM	12	0	0	12	142	4	0	146	0	14	0	14	172
1:30 PM	5	0	1	5	127	5	4	132	0	18	3	18	155
1:45 PM	13	0	0	13	121	4	5	125	0	21	1	21	159
Hourly Total	40	0	1	40	535	16	11	551	0	74	7	74	665
2:00 PM	7	0	1	7	136	3	2	139	0	20	6	20	166
2:15 PM	7	0	0	7	165	2	3	167	0	16	2	16	190
2:30 PM	10	0	0	10	177	1	5	178	0	18	4	18	206
2:45 PM	7	0	0	7	158	0	1	158	0	21	4	21	186
Hourly Total	31	0	1	31	636	6	11	642	0	75	16	75	748
3:00 PM	10	0	1	10	211	1	0	212	0	26	3	26	248
3:15 PM	12	0	0	12	186	0	4	186	0	20	4	20	218
3:30 PM	9	0	0	9	203	3	4	206	0	24	1	24	239
3:45 PM	4	0	2	4	193	3	5	196	0	15	3	15	215
Hourly Total	35	0	3	35	793	7	13	800	0	85	11	85	920
4:00 PM	4	0	0	4	237	2	5	239	0	12	13	12	255
4:15 PM	5	0	0	5	275	2	0	277	0	23	1	23	305
4:30 PM	10	0	0	10	286	0	1	286	0	13	4	13	309
4:45 PM	9	0	0	9	253	2	2	255	0	24	2	24	288
Hourly Total	28	0	0	28	1051	6	8	1057	0	72	20	72	1157
5:00 PM	8	0	0	8	253	2	2	255	0	20	8	20	283
5:15 PM	11	0	0	11	262	3	4	265	0	29	8	29	305

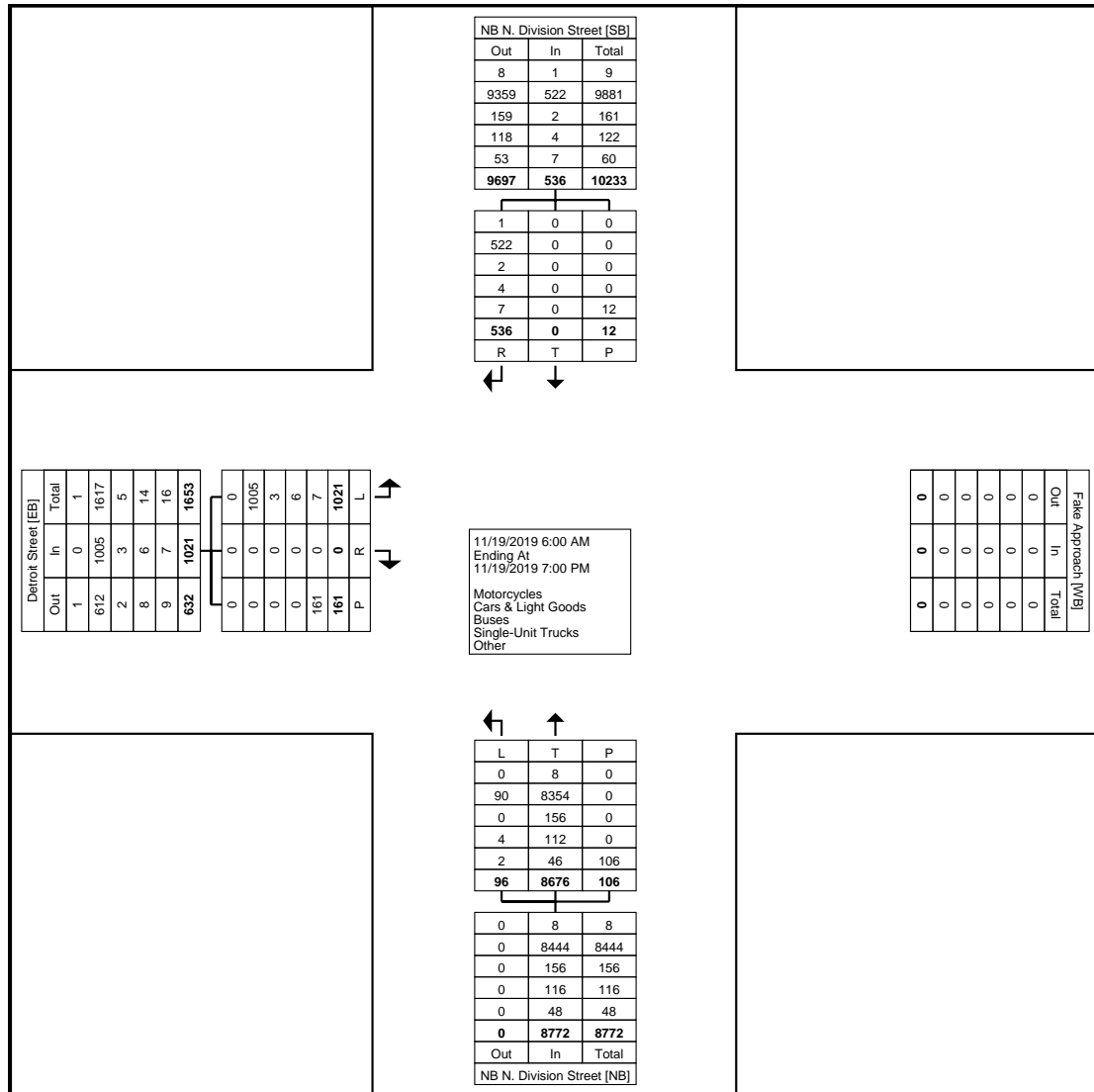
5:30 PM	10	0	0	10	273	2	2	275	0	28	4	28	313
5:45 PM	14	0	0	14	254	3	3	257	0	25	6	25	296
Hourly Total	43	0	0	43	1042	10	11	1052	0	102	26	102	1197
6:00 PM	13	0	0	13	202	0	2	202	0	22	1	22	237
6:15 PM	8	0	0	8	185	1	3	186	0	18	4	18	212
6:30 PM	8	0	1	8	159	0	2	159	0	19	2	19	186
6:45 PM	11	0	0	11	172	0	2	172	0	12	2	12	195
Hourly Total	40	0	1	40	718	1	9	719	0	71	9	71	830
Grand Total	536	0	12	536	8676	96	106	8772	0	1021	161	1021	10329
Approach %	100.0	0.0	-	-	98.9	1.1	-	-	0.0	100.0	-	-	-
Total %	5.2	0.0	-	5.2	84.0	0.9	-	84.9	0.0	9.9	-	9.9	-
Motorcycles	1	0	-	1	8	0	-	8	0	0	-	0	9
% Motorcycles	0.2	-	-	0.2	0.1	0.0	-	0.1	-	0.0	-	0.0	0.1
Cars & Light Goods	522	0	-	522	8354	90	-	8444	0	1005	-	1005	9971
% Cars & Light Goods	97.4	-	-	97.4	96.3	93.8	-	96.3	-	98.4	-	98.4	96.5
Buses	2	0	-	2	156	0	-	156	0	3	-	3	161
% Buses	0.4	-	-	0.4	1.8	0.0	-	1.8	-	0.3	-	0.3	1.6
Single-Unit Trucks	4	0	-	4	112	4	-	116	0	6	-	6	126
% Single-Unit Trucks	0.7	-	-	0.7	1.3	4.2	-	1.3	-	0.6	-	0.6	1.2
Articulated Trucks	1	0	-	1	12	0	-	12	0	2	-	2	15
% Articulated Trucks	0.2	-	-	0.2	0.1	0.0	-	0.1	-	0.2	-	0.2	0.1
Bicycles on Road	6	0	-	6	34	2	-	36	0	5	-	5	47
% Bicycles on Road	1.1	-	-	1.1	0.4	2.1	-	0.4	-	0.5	-	0.5	0.5
Bicycles on Crosswalk	-	-	0	-	-	-	1	-	-	-	22	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.9	-	-	-	13.7	-	-
Pedestrians	-	-	12	-	-	-	105	-	-	-	139	-	-
% Pedestrians	-	-	100.0	-	-	-	99.1	-	-	-	86.3	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34G
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_19
 Division & Detroit_11-19-19
 Site Code: TMC_19
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34G
 SW

Count Name: TMC_19
 Division & Detroit_11-19-19
 Site Code: TMC_19
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:45 AM)

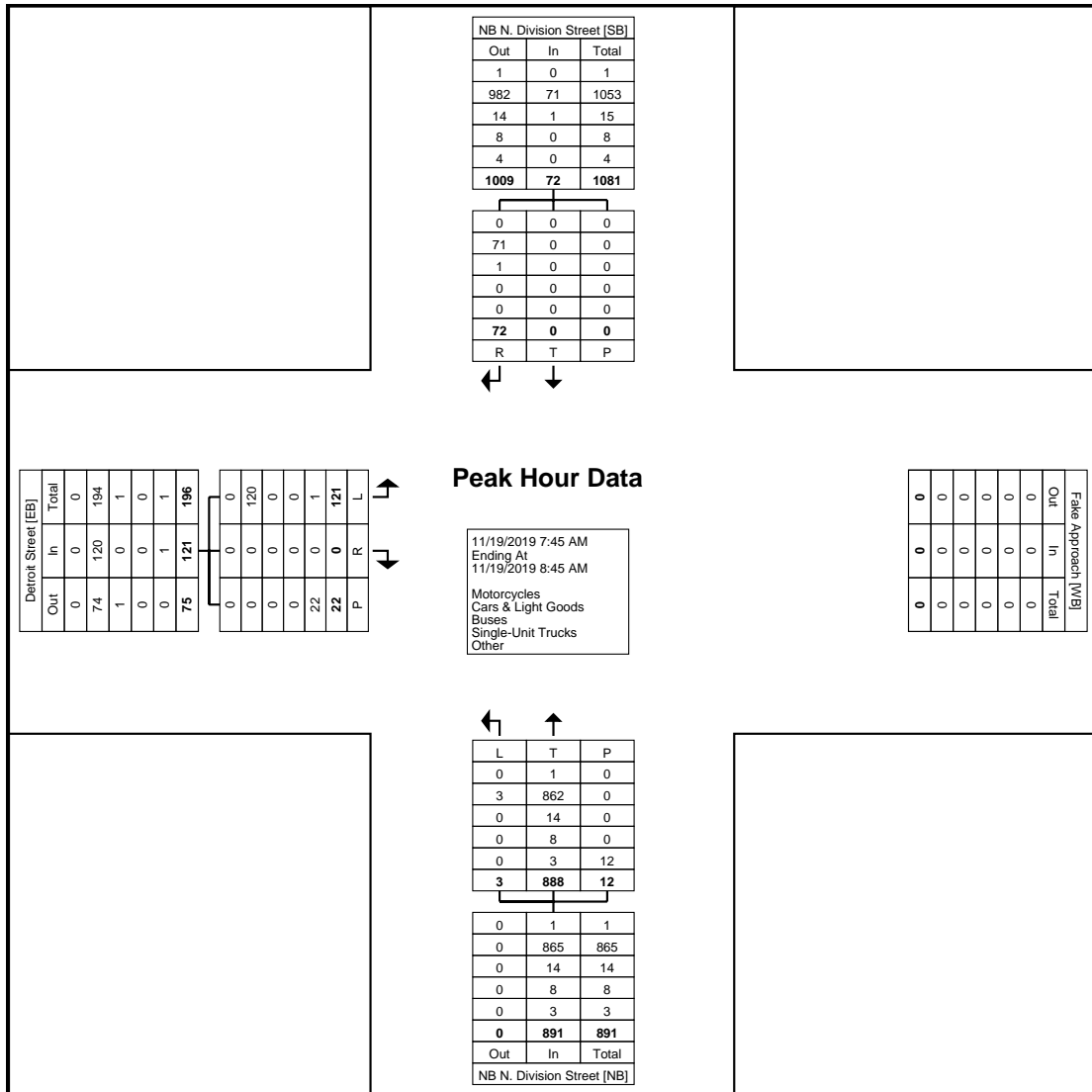
Start Time	NB N. Division Street Southbound				NB N. Division Street Northbound				Detroit Street Eastbound				Int. Total
	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
7:45 AM	15	0	0	15	218	0	2	218	0	43	4	43	276
8:00 AM	14	0	0	14	235	0	3	235	0	25	4	25	274
8:15 AM	23	0	0	23	208	0	4	208	0	30	5	30	261
8:30 AM	20	0	0	20	227	3	3	230	0	23	9	23	273
Total	72	0	0	72	888	3	12	891	0	121	22	121	1084
Approach %	100.0	0.0	-	-	99.7	0.3	-	-	0.0	100.0	-	-	-
Total %	6.6	0.0	-	6.6	81.9	0.3	-	82.2	0.0	11.2	-	11.2	-
PHF	0.783	0.000	-	0.783	0.945	0.250	-	0.948	0.000	0.703	-	0.703	0.982
Motorcycles	0	0	-	0	1	0	-	1	0	0	-	0	1
% Motorcycles	0.0	-	-	0.0	0.1	0.0	-	0.1	-	0.0	-	0.0	0.1
Cars & Light Goods	71	0	-	71	862	3	-	865	0	120	-	120	1056
% Cars & Light Goods	98.6	-	-	98.6	97.1	100.0	-	97.1	-	99.2	-	99.2	97.4
Buses	1	0	-	1	14	0	-	14	0	0	-	0	15
% Buses	1.4	-	-	1.4	1.6	0.0	-	1.6	-	0.0	-	0.0	1.4
Single-Unit Trucks	0	0	-	0	8	0	-	8	0	0	-	0	8
% Single-Unit Trucks	0.0	-	-	0.0	0.9	0.0	-	0.9	-	0.0	-	0.0	0.7
Articulated Trucks	0	0	-	0	1	0	-	1	0	0	-	0	1
% Articulated Trucks	0.0	-	-	0.0	0.1	0.0	-	0.1	-	0.0	-	0.0	0.1
Bicycles on Road	0	0	-	0	2	0	-	2	0	1	-	1	3
% Bicycles on Road	0.0	-	-	0.0	0.2	0.0	-	0.2	-	0.8	-	0.8	0.3
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	0.0	-	-
Pedestrians	-	-	0	-	-	-	12	-	-	-	22	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34G
 SW

Count Name: TMC_19
 Division & Detroit_11-19-19
 Site Code: TMC_19
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34G
 SW

Count Name: TMC_19
 Division & Detroit_11-19-19
 Site Code: TMC_19
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:15 AM)

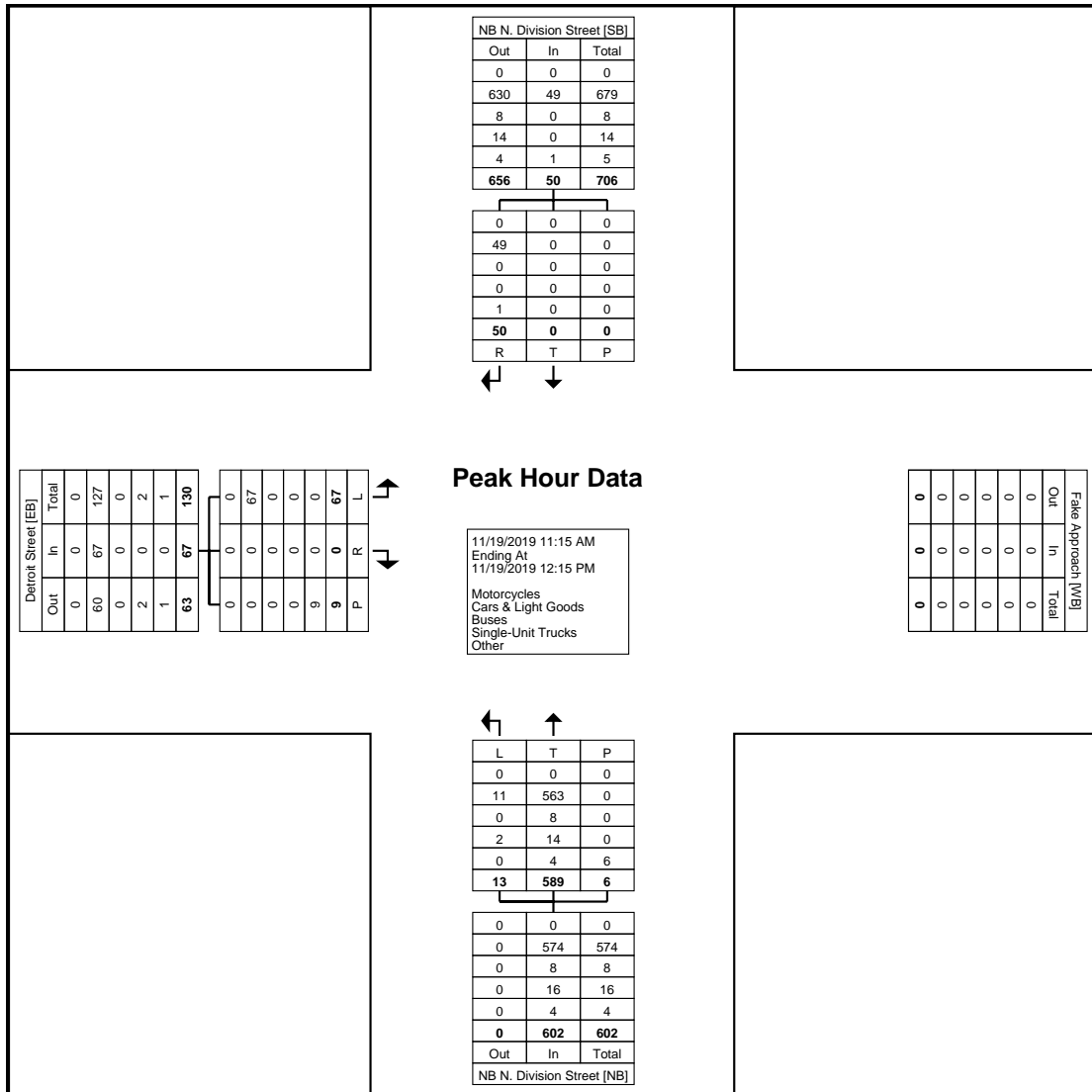
Start Time	NB N. Division Street Southbound				NB N. Division Street Northbound				Detroit Street Eastbound				Int. Total
	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
11:15 AM	10	0	0	10	136	1	1	137	0	21	3	21	168
11:30 AM	21	0	0	21	159	4	2	163	0	11	3	11	195
11:45 AM	6	0	0	6	145	4	1	149	0	13	1	13	168
12:00 PM	13	0	0	13	149	4	2	153	0	22	2	22	188
Total	50	0	0	50	589	13	6	602	0	67	9	67	719
Approach %	100.0	0.0	-	-	97.8	2.2	-	-	0.0	100.0	-	-	-
Total %	7.0	0.0	-	7.0	81.9	1.8	-	83.7	0.0	9.3	-	9.3	-
PHF	0.595	0.000	-	0.595	0.926	0.813	-	0.923	0.000	0.761	-	0.761	0.922
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	-	-	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0	0.0
Cars & Light Goods	49	0	-	49	563	11	-	574	0	67	-	67	690
% Cars & Light Goods	98.0	-	-	98.0	95.6	84.6	-	95.3	-	100.0	-	100.0	96.0
Buses	0	0	-	0	8	0	-	8	0	0	-	0	8
% Buses	0.0	-	-	0.0	1.4	0.0	-	1.3	-	0.0	-	0.0	1.1
Single-Unit Trucks	0	0	-	0	14	2	-	16	0	0	-	0	16
% Single-Unit Trucks	0.0	-	-	0.0	2.4	15.4	-	2.7	-	0.0	-	0.0	2.2
Articulated Trucks	0	0	-	0	1	0	-	1	0	0	-	0	1
% Articulated Trucks	0.0	-	-	0.0	0.2	0.0	-	0.2	-	0.0	-	0.0	0.1
Bicycles on Road	1	0	-	1	3	0	-	3	0	0	-	0	4
% Bicycles on Road	2.0	-	-	2.0	0.5	0.0	-	0.5	-	0.0	-	0.0	0.6
Bicycles on Crosswalk	-	-	0	-	-	-	1	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	16.7	-	-	-	11.1	-	-
Pedestrians	-	-	0	-	-	-	5	-	-	-	8	-	-
% Pedestrians	-	-	-	-	-	-	83.3	-	-	-	88.9	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34G
 SW

Count Name: TMC_19
 Division & Detroit_11-19-19
 Site Code: TMC_19
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34G
 SW

Count Name: TMC_19
 Division & Detroit_11-19-19
 Site Code: TMC_19
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (5:00 PM)

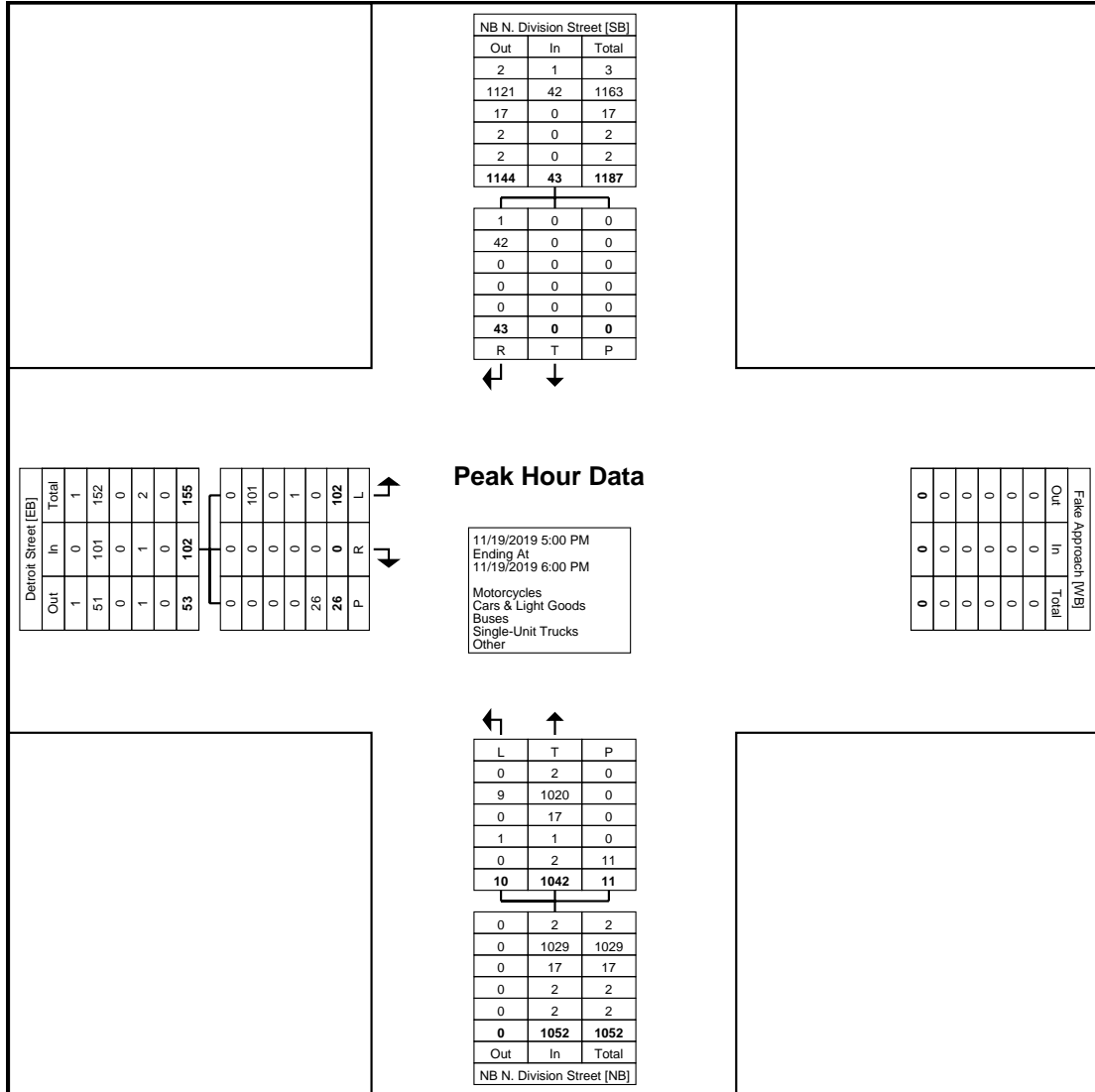
Start Time	NB N. Division Street Southbound				NB N. Division Street Northbound				Detroit Street Eastbound				Int. Total
	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
5:00 PM	8	0	0	8	253	2	2	255	0	20	8	20	283
5:15 PM	11	0	0	11	262	3	4	265	0	29	8	29	305
5:30 PM	10	0	0	10	273	2	2	275	0	28	4	28	313
5:45 PM	14	0	0	14	254	3	3	257	0	25	6	25	296
Total	43	0	0	43	1042	10	11	1052	0	102	26	102	1197
Approach %	100.0	0.0	-	-	99.0	1.0	-	-	0.0	100.0	-	-	-
Total %	3.6	0.0	-	3.6	87.1	0.8	-	87.9	0.0	8.5	-	8.5	-
PHF	0.768	0.000	-	0.768	0.954	0.833	-	0.956	0.000	0.879	-	0.879	0.956
Motorcycles	1	0	-	1	2	0	-	2	0	0	-	0	3
% Motorcycles	2.3	-	-	2.3	0.2	0.0	-	0.2	-	0.0	-	0.0	0.3
Cars & Light Goods	42	0	-	42	1020	9	-	1029	0	101	-	101	1172
% Cars & Light Goods	97.7	-	-	97.7	97.9	90.0	-	97.8	-	99.0	-	99.0	97.9
Buses	0	0	-	0	17	0	-	17	0	0	-	0	17
% Buses	0.0	-	-	0.0	1.6	0.0	-	1.6	-	0.0	-	0.0	1.4
Single-Unit Trucks	0	0	-	0	1	1	-	2	0	1	-	1	3
% Single-Unit Trucks	0.0	-	-	0.0	0.1	10.0	-	0.2	-	1.0	-	1.0	0.3
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	-	-	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	2	0	-	2	0	0	-	0	2
% Bicycles on Road	0.0	-	-	0.0	0.2	0.0	-	0.2	-	0.0	-	0.0	0.2
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	6	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	23.1	-	-
Pedestrians	-	-	0	-	-	-	11	-	-	-	20	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	76.9	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU34G
 SW

Count Name: TMC_19
 Division & Detroit_11-19-19
 Site Code: TMC_19
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (5:00 PM)



Project: Lower Town Area
Mobility Study
Corridor: Division Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU34G
SW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_19
Division & Detroit_11-19-
19
Site Code: TMC_19
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized "T" intersection, Detroit St. is stop controlled for NB Division St. VCU camera was located within SW intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_19 Division & Detroit_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728556, Location: 42.286264, -83.743569, Site Code: TMC_19 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound					NB N. Division Street Northbound					Detroit Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2019-11-19 6:00AM	0	0	0	0	0	25	0	0	25	0	0	2	0	2	0	27
6:15AM	4	0	0	4	0	48	0	0	48	1	0	7	0	7	2	59
6:30AM	8	0	0	8	1	63	0	0	63	0	0	7	0	7	0	78
6:45AM	10	0	0	10	0	80	0	0	80	0	0	13	0	13	1	103
Hourly Total	22	0	0	22	1	216	0	0	216	1	0	29	0	29	3	267
7:00AM	9	0	0	9	0	86	0	0	86	1	0	16	0	16	2	111
7:15AM	11	0	0	11	0	120	1	0	121	0	0	25	0	25	1	157
7:30AM	22	0	0	22	1	184	1	0	185	2	0	26	0	26	2	233
7:45AM	15	0	0	15	0	218	0	0	218	2	0	43	0	43	4	276
Hourly Total	57	0	0	57	1	608	2	0	610	5	0	110	0	110	9	777
8:00AM	14	0	0	14	0	235	0	0	235	3	0	25	0	25	4	274
8:15AM	23	0	0	23	0	208	0	0	208	4	0	30	0	30	5	261
8:30AM	20	0	0	20	0	227	3	0	230	3	0	23	0	23	9	273
8:45AM	14	0	0	14	0	181	1	0	182	3	0	31	0	31	2	227
Hourly Total	71	0	0	71	0	851	4	0	855	13	0	109	0	109	20	1035
9:00AM	20	0	0	20	1	193	2	0	195	2	0	25	0	25	1	240
9:15AM	12	0	0	12	0	155	1	0	156	2	0	26	0	26	4	194
9:30AM	10	0	0	10	0	115	1	0	116	1	0	21	0	21	2	147
9:45AM	7	0	0	7	0	142	4	0	146	1	0	19	0	19	5	172
Hourly Total	49	0	0	49	1	605	8	0	613	6	0	91	0	91	12	753
10:00AM	5	0	0	5	1	136	0	0	136	2	0	15	0	15	4	156
10:15AM	15	0	0	15	0	129	4	0	133	3	0	16	0	16	2	164
10:30AM	9	0	0	9	1	129	3	0	132	0	0	14	0	14	1	155
10:45AM	10	0	0	10	1	99	1	0	100	1	0	8	0	8	0	118
Hourly Total	39	0	0	39	3	493	8	0	501	6	0	53	0	53	7	593
11:00AM	7	0	0	7	0	113	5	0	118	2	0	15	0	15	2	140
11:15AM	10	0	0	10	0	136	1	0	137	1	0	21	0	21	3	168
11:30AM	21	0	0	21	0	159	4	0	163	2	0	11	0	11	3	195
11:45AM	6	0	0	6	0	145	4	0	149	1	0	12	1	13	1	168
Hourly Total	44	0	0	44	0	553	14	0	567	6	0	59	1	60	9	671
12:00PM	13	0	0	13	0	149	4	0	153	2	0	22	0	22	2	188
12:15PM	3	0	0	3	0	131	4	0	135	1	0	23	0	23	6	161
12:30PM	10	0	0	10	0	154	2	0	156	1	0	22	0	22	2	188
12:45PM	11	0	0	11	0	141	4	0	145	2	0	23	0	23	2	179
Hourly Total	37	0	0	37	0	575	14	0	589	6	0	90	0	90	12	716
1:00PM	10	0	0	10	0	145	3	0	148	2	0	21	0	21	3	179
1:15PM	12	0	0	12	0	142	4	0	146	0	0	14	0	14	0	172
1:30PM	5	0	0	5	1	127	5	0	132	4	0	18	0	18	3	155
1:45PM	13	0	0	13	0	121	4	0	125	5	0	21	0	21	1	159
Hourly Total	40	0	0	40	1	535	16	0	551	11	0	74	0	74	7	665
2:00PM	7	0	0	7	1	136	3	0	139	2	0	20	0	20	6	166
2:15PM	7	0	0	7	0	165	2	0	167	3	0	16	0	16	2	190
2:30PM	10	0	0	10	0	177	1	0	178	5	0	18	0	18	4	206
2:45PM	7	0	0	7	0	158	0	0	158	1	0	21	0	21	4	186
Hourly Total	31	0	0	31	1	636	6	0	642	11	0	75	0	75	16	748
3:00PM	10	0	0	10	1	211	1	0	212	0	0	26	0	26	3	248
3:15PM	12	0	0	12	0	186	0	0	186	4	0	20	0	20	4	218
3:30PM	9	0	0	9	0	203	3	0	206	4	0	24	0	24	1	239
3:45PM	4	0	0	4	2	193	3	0	196	5	0	15	0	15	3	215
Hourly Total	35	0	0	35	3	793	7	0	800	13	0	85	0	85	11	920
4:00PM	4	0	0	4	0	237	2	0	239	5	0	12	0	12	13	255
4:15PM	5	0	0	5	0	275	2	0	277	0	0	23	0	23	1	305

Leg Direction	NB N. Division Street Southbound					NB N. Division Street Northbound					Detroit Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
4:30PM	10	0	0	10	0	286	0	0	286	1	0	13	0	13	4	309
4:45PM	9	0	0	9	0	253	2	0	255	2	0	24	0	24	2	288
Hourly Total	28	0	0	28	0	1051	6	0	1057	8	0	72	0	72	20	1157
5:00PM	8	0	0	8	0	253	2	0	255	2	0	20	0	20	8	283
5:15PM	11	0	0	11	0	262	3	0	265	4	0	29	0	29	8	305
5:30PM	10	0	0	10	0	273	2	0	275	2	0	28	0	28	4	313
5:45PM	14	0	0	14	0	254	3	0	257	3	0	25	0	25	6	296
Hourly Total	43	0	0	43	0	1042	10	0	1052	11	0	102	0	102	26	1197
6:00PM	13	0	0	13	0	202	0	0	202	2	0	22	0	22	1	237
6:15PM	8	0	0	8	0	185	1	0	186	3	0	18	0	18	4	212
6:30PM	8	0	0	8	1	159	0	0	159	2	0	19	0	19	2	186
6:45PM	11	0	0	11	0	172	0	0	172	2	0	12	0	12	2	195
Hourly Total	40	0	0	40	1	718	1	0	719	9	0	71	0	71	9	830
Total	536	0	0	536	12	8676	96	0	8772	106	0	1020	1	1021	161	10329
% Approach	100%	0%	0%	-	-	98.9%	1.1%	0%	-	-	0%	99.9%	0.1%	-	-	-
% Total	5.2%	0%	0%	5.2%	-	84.0%	0.9%	0%	84.9%	-	0%	9.9%	0%	9.9%	-	-
Motorcycles	1	0	0	1	-	8	0	0	8	-	0	0	0	0	-	9
% Motorcycles	0.2%	0%	0%	0.2%	-	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0.1%
Lights	522	0	0	522	-	8354	90	0	8444	-	0	1004	1	1005	-	9971
% Lights	97.4%	0%	0%	97.4%	-	96.3%	93.8%	0%	96.3%	-	0%	98.4%	100%	98.4%	-	96.5%
Single-Unit Trucks	4	0	0	4	-	112	4	0	116	-	0	6	0	6	-	126
% Single-Unit Trucks	0.7%	0%	0%	0.7%	-	1.3%	4.2%	0%	1.3%	-	0%	0.6%	0%	0.6%	-	1.2%
Articulated Trucks	1	0	0	1	-	12	0	0	12	-	0	2	0	2	-	15
% Articulated Trucks	0.2%	0%	0%	0.2%	-	0.1%	0%	0%	0.1%	-	0%	0.2%	0%	0.2%	-	0.1%
Buses	2	0	0	2	-	156	0	0	156	-	0	3	0	3	-	161
% Buses	0.4%	0%	0%	0.4%	-	1.8%	0%	0%	1.8%	-	0%	0.3%	0%	0.3%	-	1.6%
Bicycles on Road	6	0	0	6	-	34	2	0	36	-	0	5	0	5	-	47
% Bicycles on Road	1.1%	0%	0%	1.1%	-	0.4%	2.1%	0%	0.4%	-	0%	0.5%	0%	0.5%	-	0.5%
Pedestrians	-	-	-	-	12	-	-	-	-	105	-	-	-	-	-	139
% Pedestrians	-	-	-	-	100%	-	-	-	-	99.1%	-	-	-	-	-	86.3%
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	1	-	-	-	-	-	22
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0.9%	-	-	-	-	-	13.7%

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_19 Division & Detroit_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728556, Location: 42.286264, -83.743569, Site Code: TMC_19 Traffic Data Collection, LLC

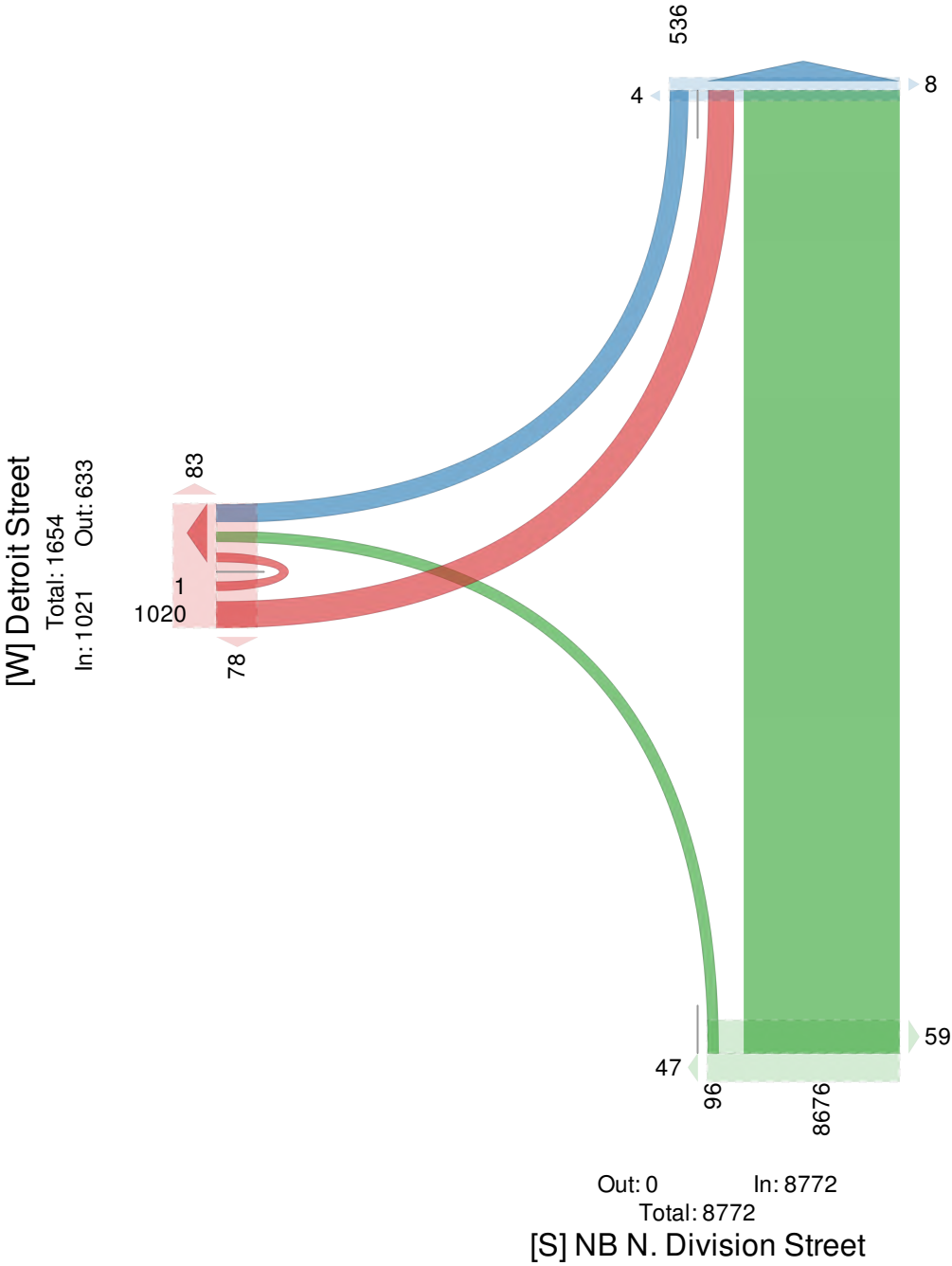


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

Total: 10232

In: 536 Out: 9696



TMC_19 Division & Detroit_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728556, Location: 42.286264, -83.743569, Site Code: TMC_19 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound					NB N. Division Street Northbound					Detroit Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2019-11-19 7:45AM	15	0	0	15	0	218	0	0	218	2	0	43	0	43	4	276
8:00AM	14	0	0	14	0	235	0	0	235	3	0	25	0	25	4	274
8:15AM	23	0	0	23	0	208	0	0	208	4	0	30	0	30	5	261
8:30AM	20	0	0	20	0	227	3	0	230	3	0	23	0	23	9	273
Total	72	0	0	72	0	888	3	0	891	12	0	121	0	121	22	1084
% Approach	100%	0%	0%	-	-	99.7%	0.3%	0%	-	-	0%	100%	0%	-	-	-
% Total	6.6%	0%	0%	6.6%	-	81.9%	0.3%	0%	82.2%	-	0%	11.2%	0%	11.2%	-	-
PHF	0.783	-	-	0.783	-	0.943	0.250	-	0.946	-	-	0.698	-	0.698	-	0.979
Motorcycles	0	0	0	0	-	1	0	0	1	-	0	0	0	0	-	1
% Motorcycles	0%	0%	0%	0%	-	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0.1%
Lights	71	0	0	71	-	862	3	0	865	-	0	120	0	120	-	1056
% Lights	98.6%	0%	0%	98.6%	-	97.1%	100%	0%	97.1%	-	0%	99.2%	0%	99.2%	-	97.4%
Single-Unit Trucks	0	0	0	0	-	8	0	0	8	-	0	0	0	0	-	8
% Single-Unit Trucks	0%	0%	0%	0%	-	0.9%	0%	0%	0.9%	-	0%	0%	0%	0%	-	0.7%
Articulated Trucks	0	0	0	0	-	1	0	0	1	-	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0.1%
Buses	1	0	0	1	-	14	0	0	14	-	0	0	0	0	-	15
% Buses	1.4%	0%	0%	1.4%	-	1.6%	0%	0%	1.6%	-	0%	0%	0%	0%	-	1.4%
Bicycles on Road	0	0	0	0	-	2	0	0	2	-	0	1	0	1	-	3
% Bicycles on Road	0%	0%	0%	0%	-	0.2%	0%	0%	0.2%	-	0%	0.8%	0%	0.8%	-	0.3%
Pedestrians	-	-	-	-	0	-	-	-	-	12	-	-	-	-	22	-
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_19 Division & Detroit_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728556, Location: 42.286264, -83.743569, Site Code: TMC_19 Traffic Data Collection, LLC



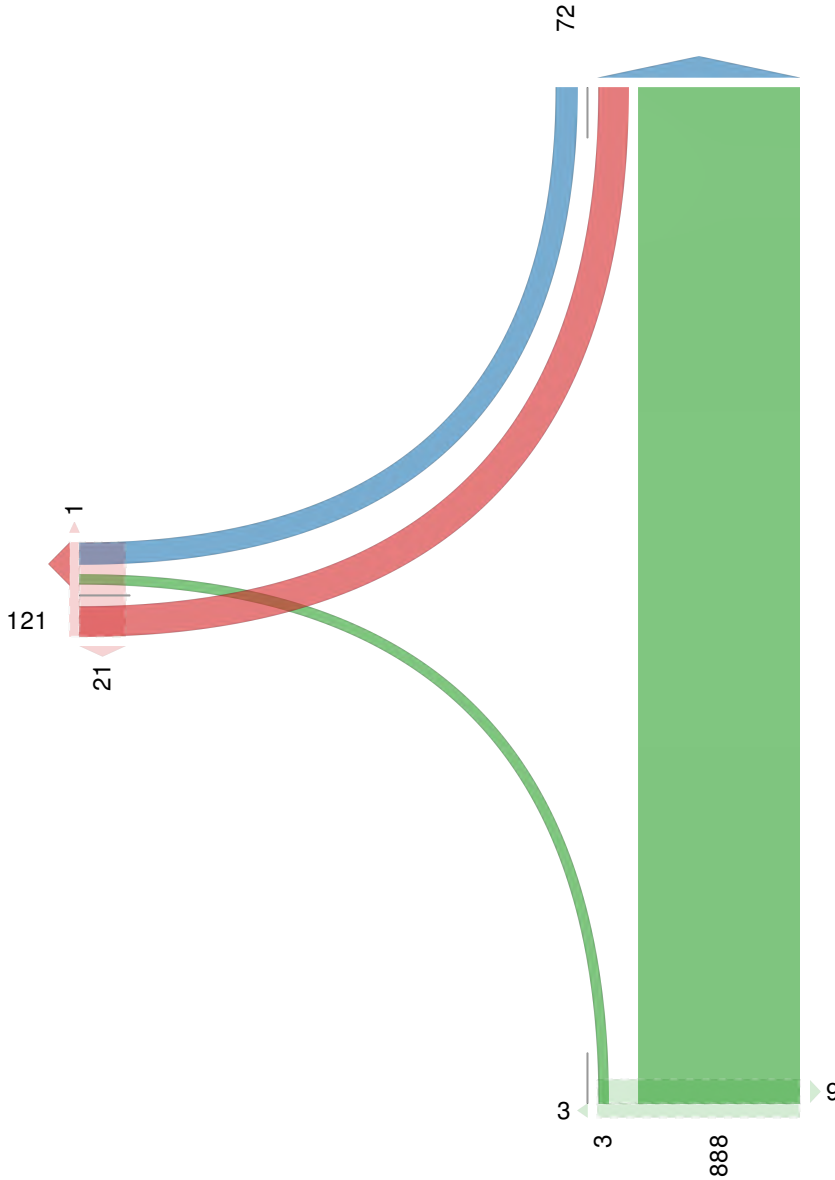
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

Total: 1081
In: 72 Out: 1009

[W] Detroit Street

Total: 196
In: 121 Out: 75



Out: 0 In: 891
Total: 891
[S] NB N. Division Street

TMC_19 Division & Detroit_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728556, Location: 42.286264, -83.743569, Site Code: TMC_19 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound					NB N. Division Street Northbound					Detroit Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
Time																
2019-11-19 11:15AM	10	0	0	10	0	136	1	0	137	1	0	21	0	21	3	168
11:30AM	21	0	0	21	0	159	4	0	163	2	0	11	0	11	3	195
11:45AM	6	0	0	6	0	145	4	0	149	1	0	12	1	13	1	168
12:00PM	13	0	0	13	0	149	4	0	153	2	0	22	0	22	2	188
Total	50	0	0	50	0	589	13	0	602	6	0	66	1	67	9	719
% Approach	100%	0%	0%	-	-	97.8%	2.2%	0%	-	-	0%	98.5%	1.5%	-	-	-
% Total	7.0%	0%	0%	7.0%	-	81.9%	1.8%	0%	83.7%	-	0%	9.2%	0.1%	9.3%	-	-
PHF	0.613	-	-	0.613	-	0.927	0.813	-	0.924	-	-	0.750	0.250	0.761	-	0.926
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	49	0	0	49	-	563	11	0	574	-	0	66	1	67	-	690
% Lights	98.0%	0%	0%	98.0%	-	95.6%	84.6%	0%	95.3%	-	0%	100%	100%	100%	-	96.0%
Single-Unit Trucks	0	0	0	0	-	14	2	0	16	-	0	0	0	0	-	16
% Single-Unit Trucks	0%	0%	0%	0%	-	2.4%	15.4%	0%	2.7%	-	0%	0%	0%	0%	-	2.2%
Articulated Trucks	0	0	0	0	-	1	0	0	1	-	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0.1%
Buses	0	0	0	0	-	8	0	0	8	-	0	0	0	0	-	8
% Buses	0%	0%	0%	0%	-	1.4%	0%	0%	1.3%	-	0%	0%	0%	0%	-	1.1%
Bicycles on Road	1	0	0	1	-	3	0	0	3	-	0	0	0	0	-	4
% Bicycles on Road	2.0%	0%	0%	2.0%	-	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	-	0.6%
Pedestrians	-	-	-	-	0	-	-	-	-	5	-	-	-	-	8	-
% Pedestrians	-	-	-	-	-	-	-	-	-	83.3%	-	-	-	-	88.9%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	1	-	-	-	-	1	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	16.7%	-	-	-	-	11.1%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_19 Division & Detroit_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728556, Location: 42.286264, -83.743569, Site Code: TMC_19 Traffic Data Collection, LLC



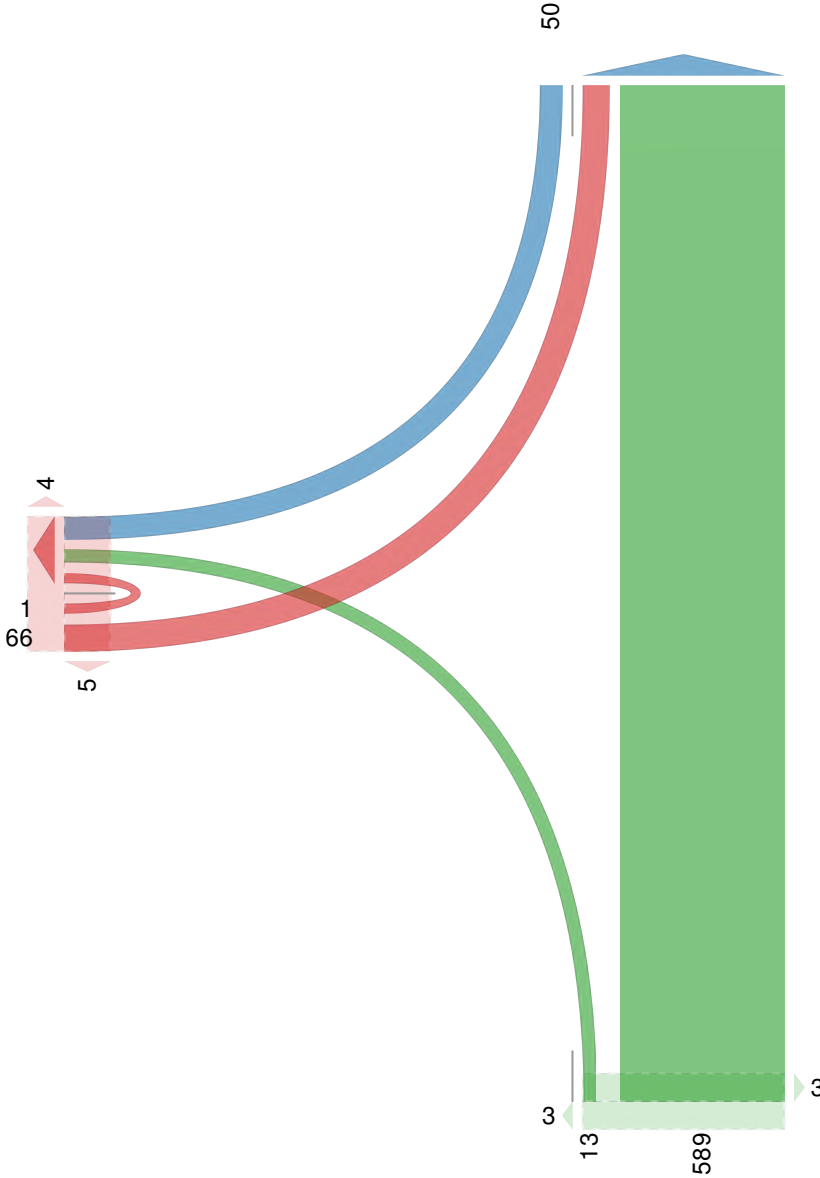
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

Total: 705
In: 50 Out: 655

[W] Detroit Street

Total: 131
In: 67 Out: 64



[S] NB N. Division Street

Out: 0 In: 602
Total: 602

TMC_19 Division & Detroit_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728556, Location: 42.286264, -83.743569, Site Code: TMC_19 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound					NB N. Division Street Northbound					Detroit Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2019-11-19 5:00PM	8	0	0	8	0	253	2	0	255	2	0	20	0	20	8	283
5:15PM	11	0	0	11	0	262	3	0	265	4	0	29	0	29	8	305
5:30PM	10	0	0	10	0	273	2	0	275	2	0	28	0	28	4	313
5:45PM	14	0	0	14	0	254	3	0	257	3	0	25	0	25	6	296
Total	43	0	0	43	0	1042	10	0	1052	11	0	102	0	102	26	1197
% Approach	100%	0%	0%	-	-	99.0%	1.0%	0%	-	-	0%	100%	0%	-	-	-
% Total	3.6%	0%	0%	3.6%	-	87.1%	0.8%	0%	87.9%	-	0%	8.5%	0%	8.5%	-	-
PHF	0.768	-	-	0.768	-	0.956	0.833	-	0.958	-	-	0.879	-	0.879	-	0.958
Motorcycles	1	0	0	1	-	2	0	0	2	-	0	0	0	0	-	3
% Motorcycles	2.3%	0%	0%	2.3%	-	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0.3%
Lights	42	0	0	42	-	1020	9	0	1029	-	0	101	0	101	-	1172
% Lights	97.7%	0%	0%	97.7%	-	97.9%	90.0%	0%	97.8%	-	0%	99.0%	0%	99.0%	-	97.9%
Single-Unit Trucks	0	0	0	0	-	1	1	0	2	-	0	1	0	1	-	3
% Single-Unit Trucks	0%	0%	0%	0%	-	0.1%	10.0%	0%	0.2%	-	0%	1.0%	0%	1.0%	-	0.3%
Articulate d Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulate d Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	17	0	0	17	-	0	0	0	0	-	17
% Buses	0%	0%	0%	0%	-	1.6%	0%	0%	1.6%	-	0%	0%	0%	0%	-	1.4%
Bicycles on Road	0	0	0	0	-	2	0	0	2	-	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	-	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0.2%
Pedestrians	-	-	-	-	0	-	-	-	-	11	-	-	-	-	20	-
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	76.9%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	6	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	23.1%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_19 Division & Detroit_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728556, Location: 42.286264, -83.743569, Site Code: TMC_19 Traffic Data Collection, LLC



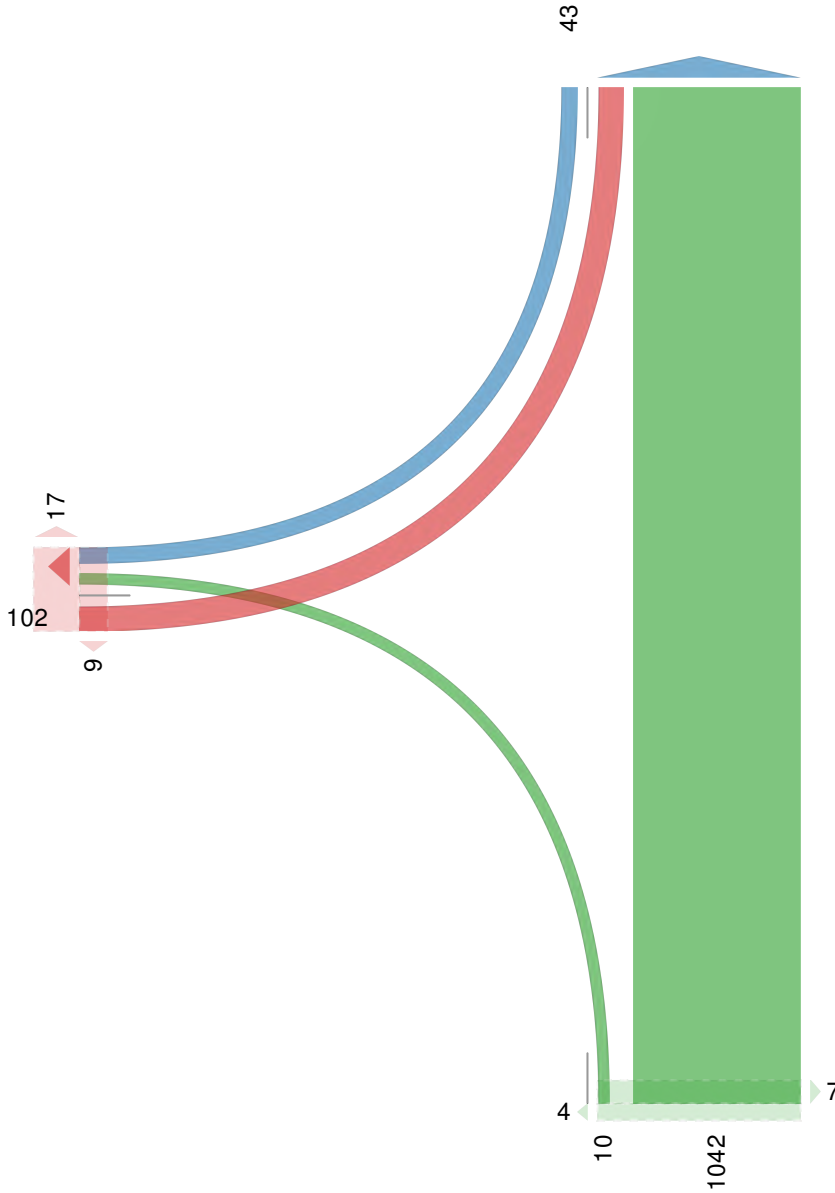
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

Total: 1187
In: 43 Out: 1144

[W] Detroit Street

Total: 155
In: 102 Out: 53



Out: 0 In: 1052
Total: 1052
[S] NB N. Division Street



Project: Lower Town Area
 Mobility Study
 Corridor: Carey Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1US
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_20
 Carey & High_11-19-19
 Site Code: TMC_20
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	NB Carey Street Southbound				EB High Street Westbound				NB Carey Street Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
6:00 AM	0	0	0	0	0	0	0	0	0	3	0	3	3
6:15 AM	0	0	0	0	0	0	1	0	0	2	0	4	4
6:30 AM	0	0	0	0	0	0	2	0	0	9	0	11	11
6:45 AM	0	0	0	0	0	0	2	0	0	12	0	17	17
Hourly Total	0	0	0	0	0	0	5	0	0	26	0	35	35
7:00 AM	0	0	0	0	0	0	1	0	0	12	0	18	18
7:15 AM	0	0	1	0	0	0	1	0	0	9	0	15	15
7:30 AM	0	0	0	0	0	0	2	0	0	21	0	26	26
7:45 AM	0	0	1	0	0	0	1	0	0	18	0	29	29
Hourly Total	0	0	2	0	0	0	5	0	0	60	0	88	88
8:00 AM	0	0	0	0	0	0	1	0	0	22	0	29	29
8:15 AM	0	2	0	2	1	0	1	1	0	14	0	17	20
8:30 AM	0	0	0	0	0	0	3	0	0	20	1	28	28
8:45 AM	0	0	0	0	0	0	4	0	0	11	0	18	18
Hourly Total	0	2	0	2	1	0	9	1	0	67	1	92	95
9:00 AM	0	0	0	0	0	0	3	0	0	14	0	22	22
9:15 AM	0	0	0	0	0	0	5	0	0	19	0	26	26
9:30 AM	0	0	0	0	0	0	8	0	0	11	0	13	13
9:45 AM	0	2	0	2	0	0	3	0	0	9	0	13	15
Hourly Total	0	2	0	2	0	0	19	0	0	53	0	74	76
10:00 AM	0	0	0	0	0	0	2	0	0	13	0	16	16
10:15 AM	0	0	0	0	0	0	2	0	0	16	1	21	21
10:30 AM	0	0	0	0	0	0	3	0	0	11	0	14	14
10:45 AM	0	1	0	1	0	0	2	0	0	9	1	12	13
Hourly Total	0	1	0	1	0	0	9	0	0	49	2	63	64
11:00 AM	0	0	0	0	0	0	3	0	0	13	0	16	16
11:15 AM	0	0	0	0	0	0	2	0	0	13	0	17	17
11:30 AM	0	0	0	0	0	0	3	0	0	20	1	22	22
11:45 AM	0	1	0	1	0	0	1	0	0	8	0	14	15
Hourly Total	0	1	0	1	0	0	9	0	0	54	1	69	70
12:00 PM	0	0	0	0	0	0	2	0	0	24	0	27	27
12:15 PM	0	0	0	0	0	0	2	0	0	21	0	24	24
12:30 PM	0	0	0	0	0	0	2	0	0	16	0	18	18
12:45 PM	0	0	0	0	0	0	2	0	0	23	1	26	26
Hourly Total	0	0	0	0	0	0	8	0	0	84	1	95	95
1:00 PM	0	0	0	0	0	0	1	0	0	21	0	23	23
1:15 PM	0	0	0	0	0	0	2	0	0	20	0	23	23
1:30 PM	0	0	0	0	0	0	3	0	0	15	0	17	17
1:45 PM	0	0	0	0	0	0	6	0	0	9	0	15	15
Hourly Total	0	0	0	0	0	0	12	0	0	65	0	78	78
2:00 PM	0	0	0	0	0	0	5	0	0	24	0	26	26
2:15 PM	0	0	0	0	0	0	1	0	0	29	0	33	33
2:30 PM	0	0	0	0	0	0	0	0	0	18	0	20	20
2:45 PM	0	0	0	0	0	0	1	0	0	15	0	19	19
Hourly Total	0	0	0	0	0	0	7	0	0	86	0	98	98
3:00 PM	0	0	0	0	0	0	1	0	0	25	2	29	29
3:15 PM	0	0	0	0	0	0	0	0	0	14	0	16	16
3:30 PM	0	0	0	0	0	0	5	0	0	11	0	14	14
3:45 PM	0	0	0	0	0	0	2	0	0	11	0	16	16
Hourly Total	0	0	0	0	0	0	8	0	0	61	2	75	75
4:00 PM	0	0	0	0	0	0	2	0	0	22	0	27	27
4:15 PM	0	1	0	1	0	0	7	0	0	22	0	28	29
4:30 PM	0	0	0	0	1	0	8	1	0	20	0	23	24
4:45 PM	0	0	0	0	0	0	4	0	0	21	0	24	24
Hourly Total	0	1	0	1	1	0	21	1	0	85	0	102	104
5:00 PM	0	0	0	0	0	0	6	0	0	21	0	22	22
5:15 PM	0	0	0	0	0	0	5	0	0	25	0	28	28

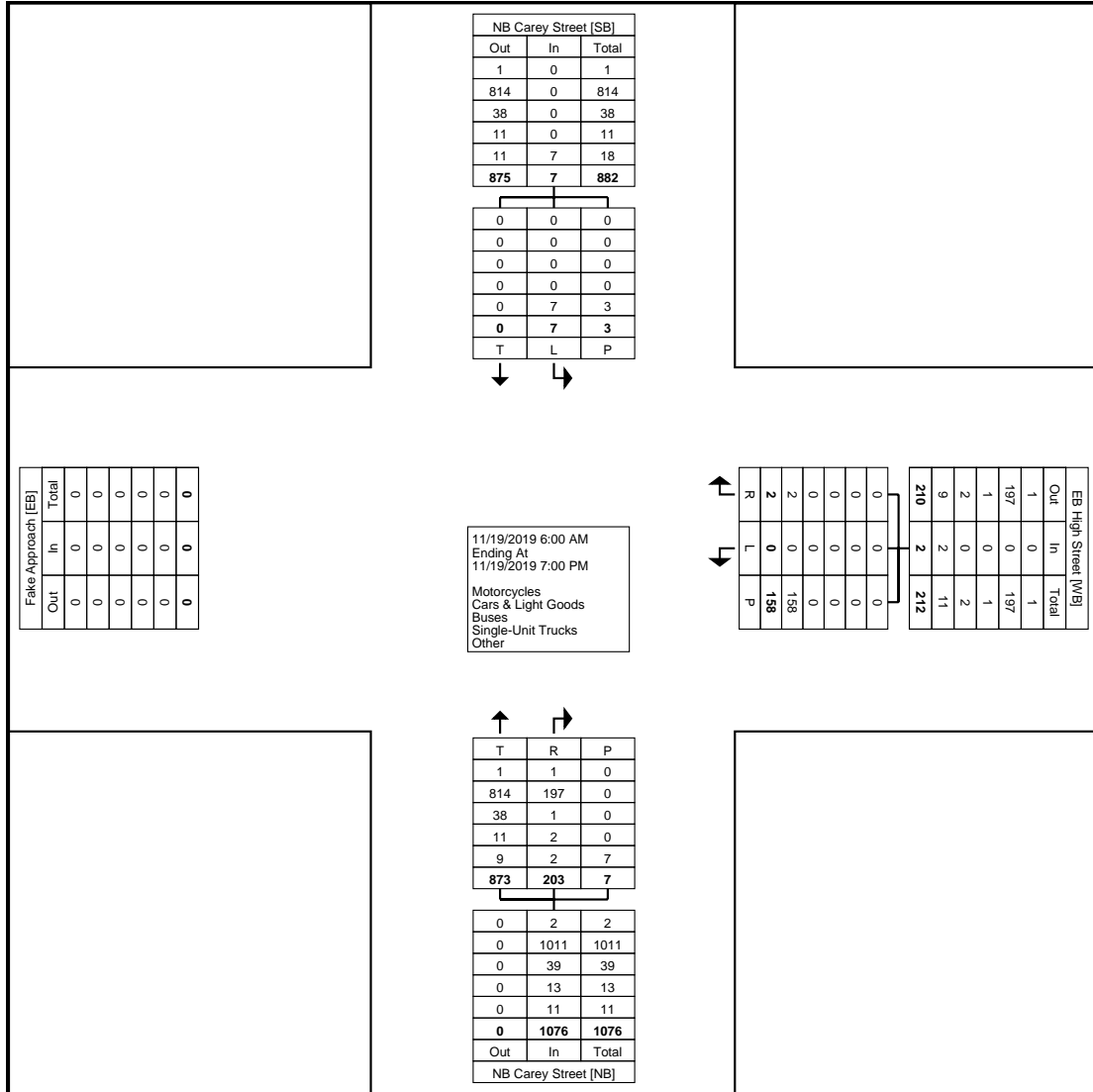
5:30 PM	0	0	0	0	0	0	4	0	3	24	0	27	27
5:45 PM	0	0	1	0	0	0	5	0	8	29	0	37	37
Hourly Total	0	0	1	0	0	0	20	0	15	99	0	114	114
6:00 PM	0	0	0	0	0	0	5	0	3	25	0	28	28
6:15 PM	0	0	0	0	0	0	10	0	3	12	0	15	15
6:30 PM	0	0	0	0	0	0	8	0	1	24	0	25	25
6:45 PM	0	0	0	0	0	0	3	0	2	23	0	25	25
Hourly Total	0	0	0	0	0	0	26	0	9	84	0	93	93
Grand Total	0	7	3	7	2	0	158	2	203	873	7	1076	1085
Approach %	0.0	100.0	-	-	100.0	0.0	-	-	18.9	81.1	-	-	-
Total %	0.0	0.6	-	0.6	0.2	0.0	-	0.2	18.7	80.5	-	99.2	-
Motorcycles	0	0	-	0	0	0	-	0	1	1	-	2	2
% Motorcycles	-	0.0	-	0.0	0.0	-	-	0.0	0.5	0.1	-	0.2	0.2
Cars & Light Goods	0	0	-	0	0	0	-	0	197	814	-	1011	1011
% Cars & Light Goods	-	0.0	-	0.0	0.0	-	-	0.0	97.0	93.2	-	94.0	93.2
Buses	0	0	-	0	0	0	-	0	1	38	-	39	39
% Buses	-	0.0	-	0.0	0.0	-	-	0.0	0.5	4.4	-	3.6	3.6
Single-Unit Trucks	0	0	-	0	0	0	-	0	2	11	-	13	13
% Single-Unit Trucks	-	0.0	-	0.0	0.0	-	-	0.0	1.0	1.3	-	1.2	1.2
Articulated Trucks	0	0	-	0	0	0	-	0	1	1	-	2	2
% Articulated Trucks	-	0.0	-	0.0	0.0	-	-	0.0	0.5	0.1	-	0.2	0.2
Bicycles on Road	0	7	-	7	2	0	-	2	1	8	-	9	18
% Bicycles on Road	-	100.0	-	100.0	100.0	-	-	100.0	0.5	0.9	-	0.8	1.7
Bicycles on Crosswalk	-	-	0	-	-	-	11	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	7.0	-	-	-	0.0	-	-
Pedestrians	-	-	3	-	-	-	147	-	-	-	7	-	-
% Pedestrians	-	-	100.0	-	-	-	93.0	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Carey Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1US
 NW

Count Name: TMC_20
 Carey & High_11-19-19
 Site Code: TMC_20
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Project: Lower Town Area
 Mobility Study
 Corridor: Carey Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1US
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_20
 Carey & High_11-19-19
 Site Code: TMC_20
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:45 AM)

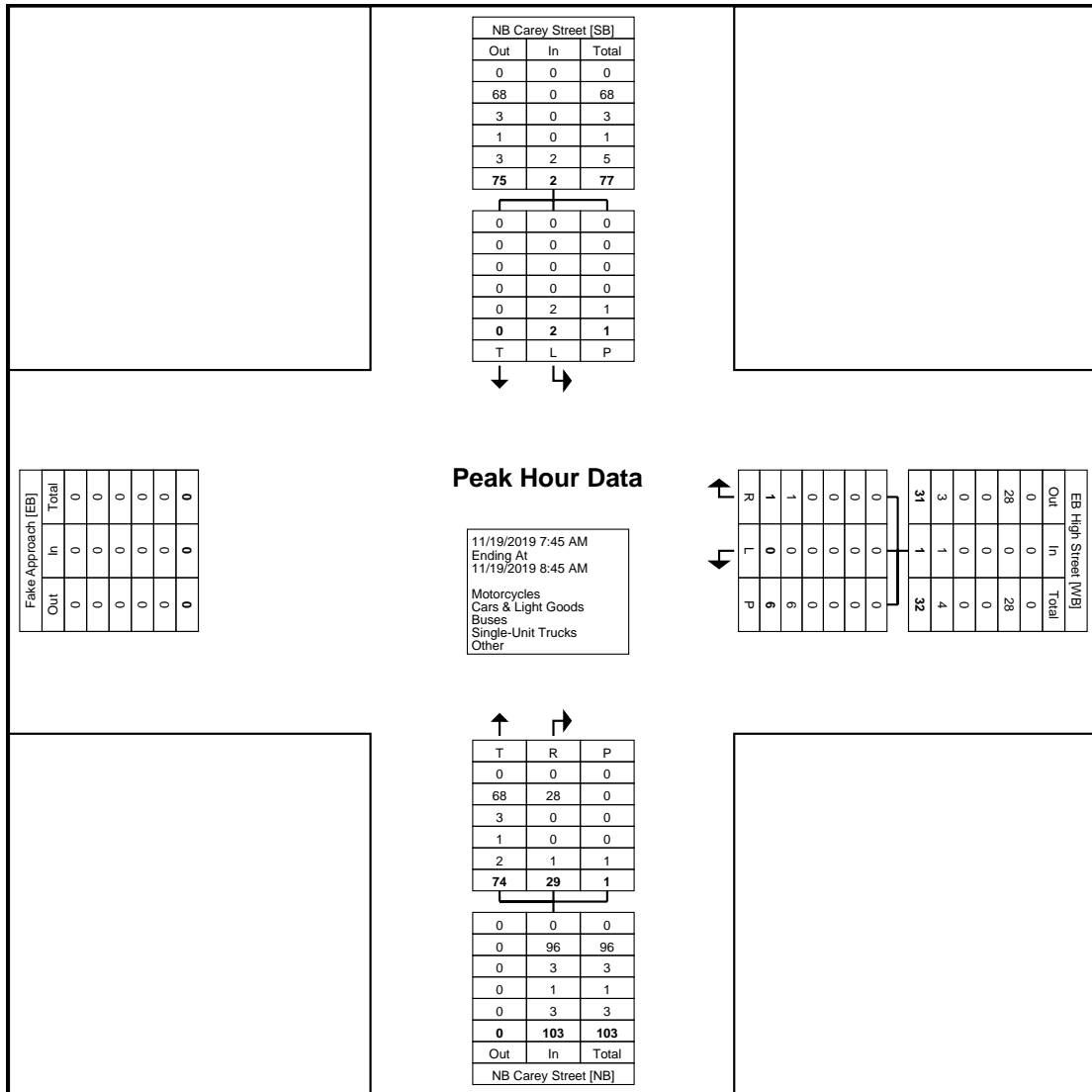
Start Time	NB Carey Street Southbound				EB High Street Westbound				NB Carey Street Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
7:45 AM	0	0	1	0	0	0	1	0	11	18	0	29	29
8:00 AM	0	0	0	0	0	0	1	0	7	22	0	29	29
8:15 AM	0	2	0	2	1	0	1	1	3	14	0	17	20
8:30 AM	0	0	0	0	0	0	3	0	8	20	1	28	28
Total	0	2	1	2	1	0	6	1	29	74	1	103	106
Approach %	0.0	100.0	-	-	100.0	0.0	-	-	28.2	71.8	-	-	-
Total %	0.0	1.9	-	1.9	0.9	0.0	-	0.9	27.4	69.8	-	97.2	-
PHF	0.000	0.250	-	0.250	0.250	0.000	-	0.250	0.659	0.841	-	0.888	0.914
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	-	0.0	-	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	0	0	-	0	0	0	-	0	28	68	-	96	96
% Cars & Light Goods	-	0.0	-	0.0	0.0	-	-	0.0	96.6	91.9	-	93.2	90.6
Buses	0	0	-	0	0	0	-	0	0	3	-	3	3
% Buses	-	0.0	-	0.0	0.0	-	-	0.0	0.0	4.1	-	2.9	2.8
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	1	-	1	1
% Single-Unit Trucks	-	0.0	-	0.0	0.0	-	-	0.0	0.0	1.4	-	1.0	0.9
Articulated Trucks	0	0	-	0	0	0	-	0	0	1	-	1	1
% Articulated Trucks	-	0.0	-	0.0	0.0	-	-	0.0	0.0	1.4	-	1.0	0.9
Bicycles on Road	0	2	-	2	1	0	-	1	1	1	-	2	5
% Bicycles on Road	-	100.0	-	100.0	100.0	-	-	100.0	3.4	1.4	-	1.9	4.7
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	0.0	-	-
Pedestrians	-	-	1	-	-	-	6	-	-	-	1	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Carey Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1US
 NW

Count Name: TMC_20
 Carey & High_11-19-19
 Site Code: TMC_20
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:45 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Carey Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1US
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_20
 Carey & High_11-19-19
 Site Code: TMC_20
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (12:00 PM)

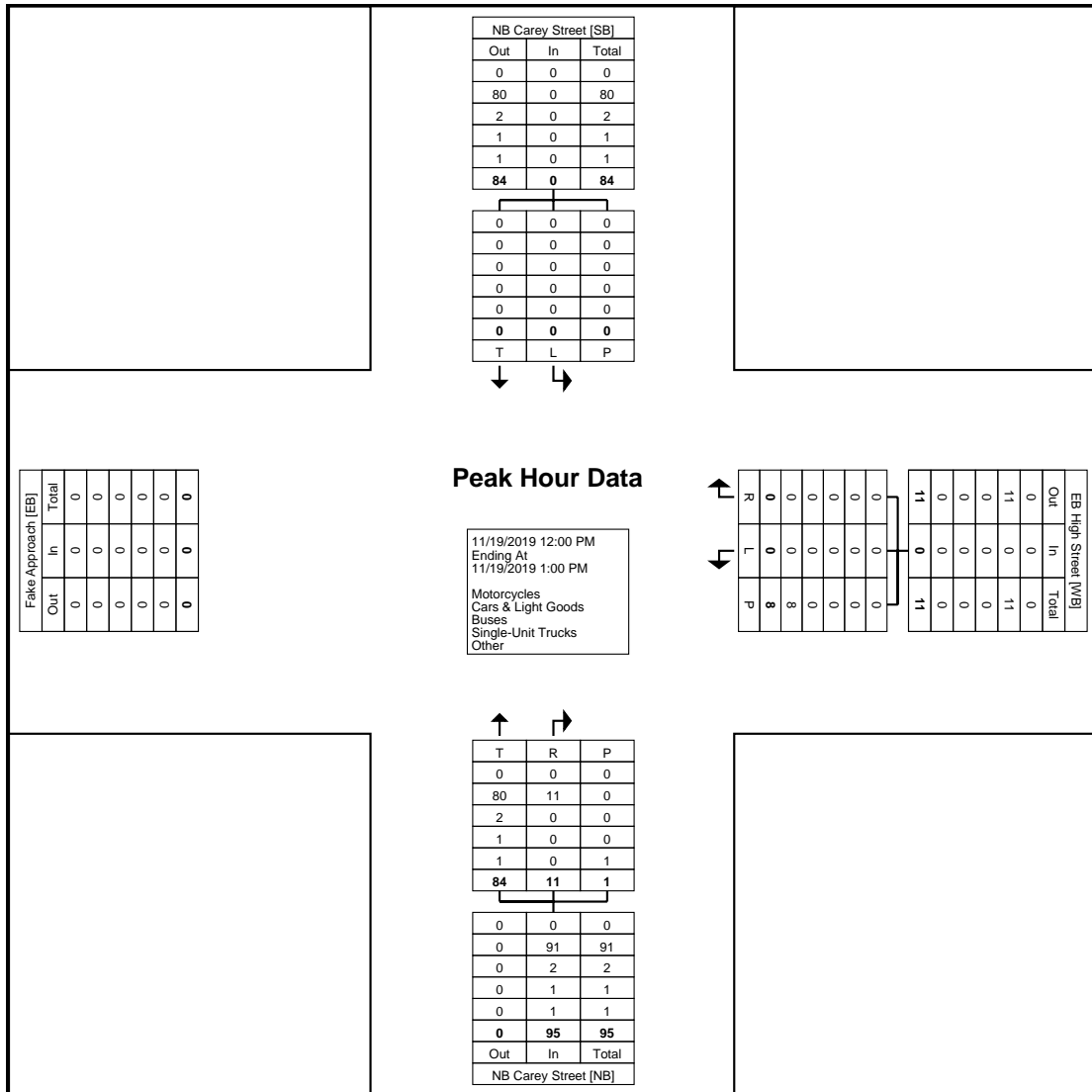
Start Time	NB Carey Street Southbound				EB High Street Westbound				NB Carey Street Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
12:00 PM	0	0	0	0	0	0	2	0	3	24	0	27	27
12:15 PM	0	0	0	0	0	0	2	0	3	21	0	24	24
12:30 PM	0	0	0	0	0	0	2	0	2	16	0	18	18
12:45 PM	0	0	0	0	0	0	2	0	3	23	1	26	26
Total	0	0	0	0	0	0	8	0	11	84	1	95	95
Approach %	0.0	0.0	-	-	0.0	0.0	-	-	11.6	88.4	-	-	-
Total %	0.0	0.0	-	0.0	0.0	0.0	-	0.0	11.6	88.4	-	100.0	-
PHF	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.917	0.875	-	0.880	0.880
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	-	-	-	-	-	-	-	-	0.0	0.0	-	0.0	0.0
Cars & Light Goods	0	0	-	0	0	0	-	0	11	80	-	91	91
% Cars & Light Goods	-	-	-	-	-	-	-	-	100.0	95.2	-	95.8	95.8
Buses	0	0	-	0	0	0	-	0	0	2	-	2	2
% Buses	-	-	-	-	-	-	-	-	0.0	2.4	-	2.1	2.1
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	1	-	1	1
% Single-Unit Trucks	-	-	-	-	-	-	-	-	0.0	1.2	-	1.1	1.1
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	-	-	-	-	-	-	-	-	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	1	-	1	1
% Bicycles on Road	-	-	-	-	-	-	-	-	0.0	1.2	-	1.1	1.1
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	0.0	-	-
Pedestrians	-	-	0	-	-	-	8	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	100.0	-	-



Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Carey Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1US
 NW

Count Name: TMC_20
 Carey & High_11-19-19
 Site Code: TMC_20
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (12:00 PM)



Project: Lower Town Area
 Mobility Study
 Corridor: Carey Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1US
 NW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_20
 Carey & High_11-19-19
 Site Code: TMC_20
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (5:15 PM)

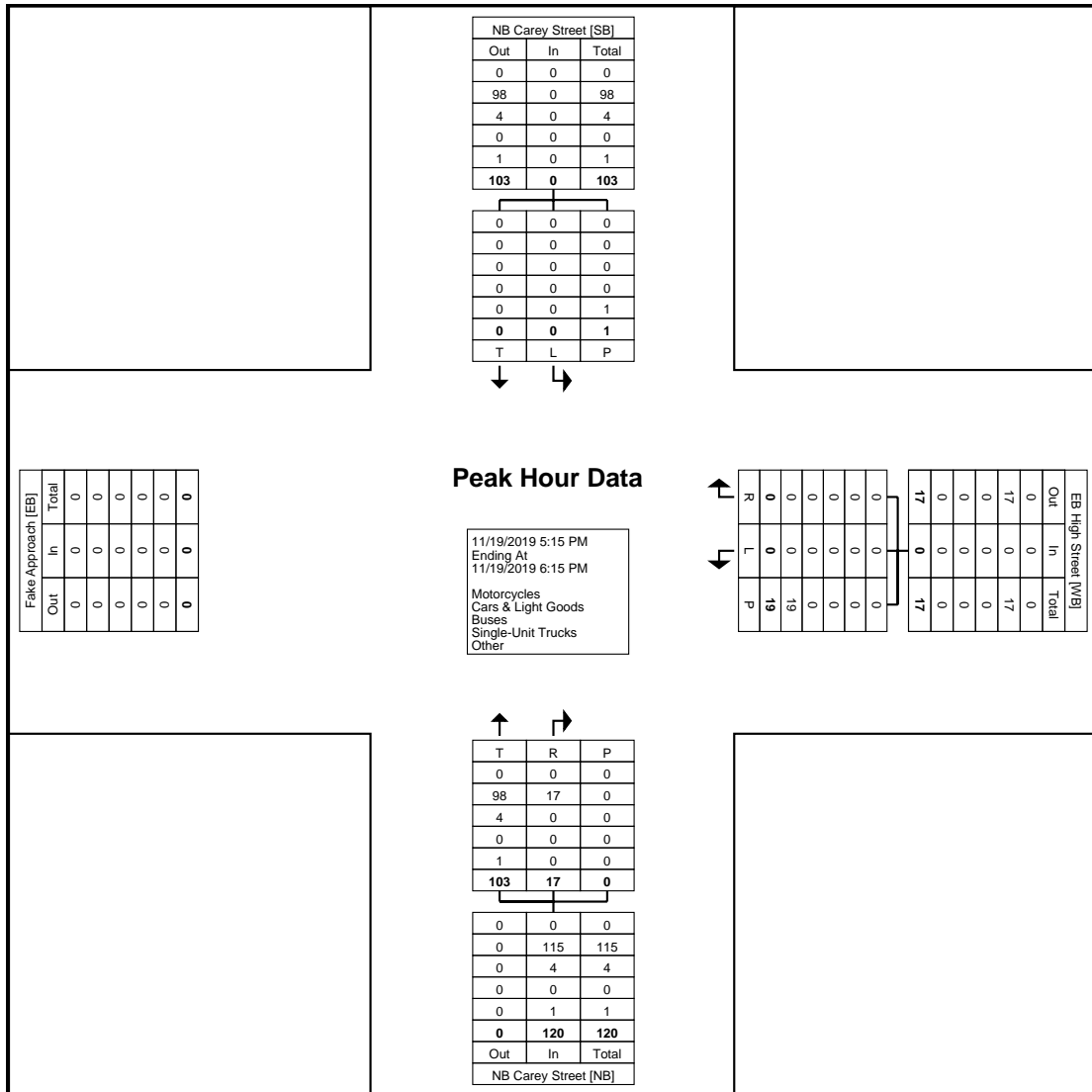
Start Time	NB Carey Street Southbound				EB High Street Westbound				NB Carey Street Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
5:15 PM	0	0	0	0	0	0	5	0	3	25	0	28	28
5:30 PM	0	0	0	0	0	0	4	0	3	24	0	27	27
5:45 PM	0	0	1	0	0	0	5	0	8	29	0	37	37
6:00 PM	0	0	0	0	0	0	5	0	3	25	0	28	28
Total	0	0	1	0	0	0	19	0	17	103	0	120	120
Approach %	0.0	0.0	-	-	0.0	0.0	-	-	14.2	85.8	-	-	-
Total %	0.0	0.0	-	0.0	0.0	0.0	-	0.0	14.2	85.8	-	100.0	-
PHF	0.000	0.000	-	0.000	0.000	0.000	-	0.000	0.531	0.888	-	0.811	0.811
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	-	-	-	-	-	-	-	-	0.0	0.0	-	0.0	0.0
Cars & Light Goods	0	0	-	0	0	0	-	0	17	98	-	115	115
% Cars & Light Goods	-	-	-	-	-	-	-	-	100.0	95.1	-	95.8	95.8
Buses	0	0	-	0	0	0	-	0	0	4	-	4	4
% Buses	-	-	-	-	-	-	-	-	0.0	3.9	-	3.3	3.3
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Single-Unit Trucks	-	-	-	-	-	-	-	-	0.0	0.0	-	0.0	0.0
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	-	-	-	-	-	-	-	-	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	1	-	1	1
% Bicycles on Road	-	-	-	-	-	-	-	-	0.0	1.0	-	0.8	0.8
Bicycles on Crosswalk	-	-	0	-	-	-	1	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	5.3	-	-	-	-	-	-
Pedestrians	-	-	1	-	-	-	18	-	-	-	0	-	-
% Pedestrians	-	-	100.0	-	-	-	94.7	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Carey Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1US
 NW

Count Name: TMC_20
 Carey & High_11-19-19
 Site Code: TMC_20
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (5:15 PM)



Project: Lower Town Area
Mobility Study
Corridor: Carey Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU1US
NW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_20
Carey & High_11-19-19
Site Code: TMC_20
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Uncontrolled "T" intersection. VCU camera was located within NE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_20 Carey & High_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728557, Location: 42.286569, -83.743364, Site Code: TMC_20 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB Carey Street Southbound					EB High Street Westbound					NB Carey Street Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
2019-11-19 6:00AM	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3
6:15AM	0	0	0	0	0	0	0	0	0	0	2	2	0	4	0	4
6:30AM	0	0	0	0	0	0	0	0	0	2	2	9	0	11	0	11
6:45AM	0	0	0	0	0	0	0	0	0	2	5	12	0	17	0	17
Hourly Total	0	0	0	0	0	0	0	0	0	5	9	26	0	35	0	35
7:00AM	0	0	0	0	0	0	0	0	0	1	6	12	0	18	0	18
7:15AM	0	0	0	0	1	0	0	0	0	1	6	9	0	15	0	15
7:30AM	0	0	0	0	0	0	0	0	0	2	5	21	0	26	0	26
7:45AM	0	0	0	0	1	0	0	0	0	1	11	18	0	29	0	29
Hourly Total	0	0	0	0	2	0	0	0	0	5	28	60	0	88	0	88
8:00AM	0	0	0	0	0	0	0	0	0	1	7	22	0	29	0	29
8:15AM	0	2	0	2	0	1	0	0	1	1	3	14	0	17	0	20
8:30AM	0	0	0	0	0	0	0	0	0	3	8	20	0	28	1	28
8:45AM	0	0	0	0	0	0	0	0	0	4	7	11	0	18	0	18
Hourly Total	0	2	0	2	0	1	0	0	1	9	25	67	0	92	1	95
9:00AM	0	0	0	0	0	0	0	0	0	3	8	14	0	22	0	22
9:15AM	0	0	0	0	0	0	0	0	0	5	7	19	0	26	0	26
9:30AM	0	0	0	0	0	0	0	0	0	8	2	11	0	13	0	13
9:45AM	0	2	0	2	0	0	0	0	0	3	4	9	0	13	0	15
Hourly Total	0	2	0	2	0	0	0	0	0	19	21	53	0	74	0	76
10:00AM	0	0	0	0	0	0	0	0	0	2	3	13	0	16	0	16
10:15AM	0	0	0	0	0	0	0	0	0	2	5	16	0	21	1	21
10:30AM	0	0	0	0	0	0	0	0	0	3	3	11	0	14	0	14
10:45AM	0	1	0	1	0	0	0	0	0	2	3	9	0	12	1	13
Hourly Total	0	1	0	1	0	0	0	0	0	9	14	49	0	63	2	64
11:00AM	0	0	0	0	0	0	0	0	0	3	3	13	0	16	0	16
11:15AM	0	0	0	0	0	0	0	0	0	2	4	13	0	17	0	17
11:30AM	0	0	0	0	0	0	0	0	0	3	2	20	0	22	1	22
11:45AM	0	1	0	1	0	0	0	0	0	1	6	8	0	14	0	15
Hourly Total	0	1	0	1	0	0	0	0	0	9	15	54	0	69	1	70
12:00PM	0	0	0	0	0	0	0	0	0	2	3	24	0	27	0	27
12:15PM	0	0	0	0	0	0	0	0	0	2	3	21	0	24	0	24
12:30PM	0	0	0	0	0	0	0	0	0	2	2	16	0	18	0	18
12:45PM	0	0	0	0	0	0	0	0	0	2	3	23	0	26	1	26
Hourly Total	0	0	0	0	0	0	0	0	0	8	11	84	0	95	1	95
1:00PM	0	0	0	0	0	0	0	0	0	1	2	21	0	23	0	23
1:15PM	0	0	0	0	0	0	0	0	0	2	3	20	0	23	0	23
1:30PM	0	0	0	0	0	0	0	0	0	3	2	15	0	17	0	17
1:45PM	0	0	0	0	0	0	0	0	0	6	6	9	0	15	0	15
Hourly Total	0	0	0	0	0	0	0	0	0	12	13	65	0	78	0	78
2:00PM	0	0	0	0	0	0	0	0	0	5	2	24	0	26	0	26
2:15PM	0	0	0	0	0	0	0	0	0	1	4	29	0	33	0	33
2:30PM	0	0	0	0	0	0	0	0	0	0	2	18	0	20	0	20
2:45PM	0	0	0	0	0	0	0	0	0	1	4	15	0	19	0	19
Hourly Total	0	0	0	0	0	0	0	0	0	7	12	86	0	98	0	98
3:00PM	0	0	0	0	0	0	0	0	0	1	4	25	0	29	2	29
3:15PM	0	0	0	0	0	0	0	0	0	0	2	14	0	16	0	16
3:30PM	0	0	0	0	0	0	0	0	0	5	3	11	0	14	0	14
3:45PM	0	0	0	0	0	0	0	0	0	2	5	11	0	16	0	16
Hourly Total	0	0	0	0	0	0	0	0	0	8	14	61	0	75	2	75
4:00PM	0	0	0	0	0	0	0	0	0	2	5	22	0	27	0	27
4:15PM	0	1	0	1	0	0	0	0	0	7	6	22	0	28	0	29

Leg Direction	NB Carey Street Southbound					EB High Street Westbound					NB Carey Street Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
4:30PM	0	0	0	0	0	1	0	0	1	8	3	20	0	23	0	24
4:45PM	0	0	0	0	0	0	0	0	0	4	3	21	0	24	0	24
Hourly Total	0	1	0	1	0	1	0	0	1	21	17	85	0	102	0	104
5:00PM	0	0	0	0	0	0	0	0	0	6	1	21	0	22	0	22
5:15PM	0	0	0	0	0	0	0	0	0	5	3	25	0	28	0	28
5:30PM	0	0	0	0	0	0	0	0	0	4	3	24	0	27	0	27
5:45PM	0	0	0	0	1	0	0	0	0	5	8	29	0	37	0	37
Hourly Total	0	0	0	0	1	0	0	0	0	20	15	99	0	114	0	114
6:00PM	0	0	0	0	0	0	0	0	0	5	3	25	0	28	0	28
6:15PM	0	0	0	0	0	0	0	0	0	10	3	12	0	15	0	15
6:30PM	0	0	0	0	0	0	0	0	0	8	1	24	0	25	0	25
6:45PM	0	0	0	0	0	0	0	0	0	3	2	23	0	25	0	25
Hourly Total	0	0	0	0	0	0	0	0	0	26	9	84	0	93	0	93
Total	0	7	0	7	3	2	0	0	2	158	203	873	0	1076	7	1085
% Approach	0%	100%	0%	-	-	100%	0%	0%	-	-	18.9%	81.1%	0%	-	-	-
% Total	0%	0.6%	0%	0.6%	-	0.2%	0%	0%	0.2%	-	18.7%	80.5%	0%	99.2%	-	-
Motorcycles	0	0	0	0	-	0	0	0	0	-	1	1	0	2	-	2
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.5%	0.1%	0%	0.2%	-	0.2%
Lights	0	0	0	0	-	0	0	0	0	-	197	814	0	1011	-	1011
% Lights	0%	0%	0%	0%	-	0%	0%	0%	0%	-	97.0%	93.2%	0%	94.0%	-	93.2%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	2	11	0	13	-	13
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	1.0%	1.3%	0%	1.2%	-	1.2%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	1	1	0	2	-	2
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.5%	0.1%	0%	0.2%	-	0.2%
Buses	0	0	0	0	-	0	0	0	0	-	1	38	0	39	-	39
% Buses	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.5%	4.4%	0%	3.6%	-	3.6%
Bicycles on Road	0	7	0	7	-	2	0	0	2	-	1	8	0	9	-	18
% Bicycles on Road	0%	100%	0%	100%	-	100%	0%	0%	100%	-	0.5%	0.9%	0%	0.8%	-	1.7%
Pedestrians	-	-	-	-	3	-	-	-	-	147	-	-	-	-	7	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	93.0%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	11	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	7.0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_20 Carey & High_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728557, Location: 42.286569, -83.743364, Site Code: TMC_20 Traffic Data Collection, LLC

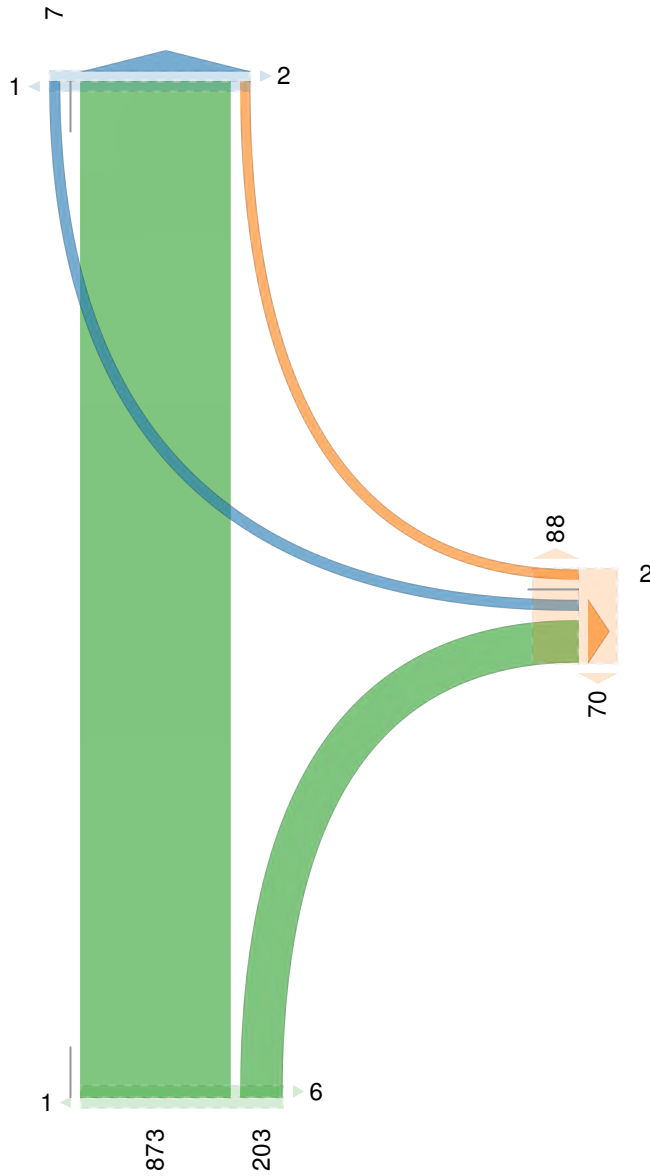


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB Carey Street

Total: 882

In: 7 Out: 875



Out: 210 In: 2
Total: 212
[E] EB High Street

Out: 0 In: 1076

Total: 1076

[S] NB Carey Street

TMC_20 Carey & High_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728557, Location: 42.286569, -83.743364, Site Code: TMC_20 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB Carey Street Southbound					EB High Street Westbound					NB Carey Street Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 7:45AM	0	0	0	0	1	0	0	0	0	1	11	18	0	29	0	29
8:00AM	0	0	0	0	0	0	0	0	0	1	7	22	0	29	0	29
8:15AM	0	2	0	2	0	1	0	0	1	1	3	14	0	17	0	20
8:30AM	0	0	0	0	0	0	0	0	0	3	8	20	0	28	1	28
Total	0	2	0	2	1	1	0	0	1	6	29	74	0	103	1	106
% Approach	0%	100%	0%	-	-	100%	0%	0%	-	-	28.2%	71.8%	0%	-	-	-
% Total	0%	1.9%	0%	1.9%	-	0.9%	0%	0%	0.9%	-	27.4%	69.8%	0%	97.2%	-	-
PHF	-	-	-	-	-	-	-	-	-	-	0.636	0.869	-	0.871	-	0.871
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	0	0	0	0	-	0	0	0	0	-	28	68	0	96	-	96
% Lights	0%	0%	0%	0%	-	0%	0%	0%	0%	-	96.6%	91.9%	0%	93.2%	-	90.6%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	1.4%	0%	1.0%	-	0.9%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	1.4%	0%	1.0%	-	0.9%
Buses	0	0	0	0	-	0	0	0	0	-	0	3	0	3	-	3
% Buses	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	4.1%	0%	2.9%	-	2.8%
Bicycles on Road	0	2	0	2	-	1	0	0	1	-	1	1	0	2	-	5
% Bicycles on Road	0%	100%	0%	100%	-	100%	0%	0%	100%	-	3.4%	1.4%	0%	1.9%	-	4.7%
Pedestrians	-	-	-	-	1	-	-	-	-	6	-	-	-	-	1	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_20 Carey & High_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

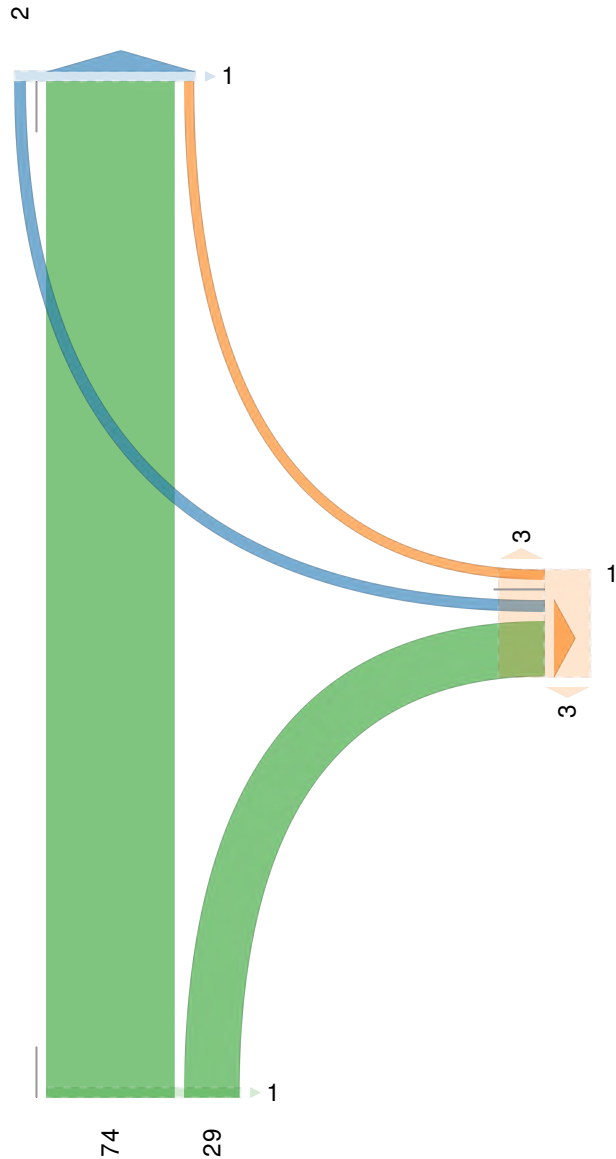
ID: 728557, Location: 42.286569, -83.743364, Site Code: TMC_20 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB Carey Street

Total: 77
In: 2 Out: 75



Out: 0 In: 103
Total: 103
[S] NB Carey Street

Out: 31 In: 1
Total: 32
[E] EB High Street

TMC_20 Carey & High_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (12 PM - 1 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728557, Location: 42.286569, -83.743364, Site Code: TMC_20 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB Carey Street Southbound					EB High Street Westbound					NB Carey Street Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
Time																
2019-11-19 12:00PM	0	0	0	0	0	0	0	0	0	2	3	24	0	27	0	27
12:15PM	0	0	0	0	0	0	0	0	0	2	3	21	0	24	0	24
12:30PM	0	0	0	0	0	0	0	0	0	2	2	16	0	18	0	18
12:45PM	0	0	0	0	0	0	0	0	0	2	3	23	0	26	1	26
Total	0	0	0	0	0	0	0	0	0	8	11	84	0	95	1	95
% Approach	0%	0%	0%	-	-	0%	0%	0%	-	-	11.6%	88.4%	0%	-	-	-
% Total	0%	0%	0%	0%	-	0%	0%	0%	0%	-	11.6%	88.4%	0%	100%	-	-
PHF	-	-	-	-	-	-	-	-	-	-	0.917	0.865	-	0.870	-	0.870
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%
Lights	0	0	0	0	-	0	0	0	0	-	11	80	0	91	-	91
% Lights	0%	0%	0%	-	-	0%	0%	0%	-	-	100%	95.2%	0%	95.8%	-	95.8%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Single-Unit Trucks	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	1.2%	0%	1.1%	-	1.1%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	0	0	0	-	0	2	0	2	-	2
% Buses	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	2.4%	0%	2.1%	-	2.1%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Bicycles on Road	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	1.2%	0%	1.1%	-	1.1%
Pedestrians	-	-	-	-	0	-	-	-	-	8	-	-	-	-	1	-
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_20 Carey & High_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (12 PM - 1 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

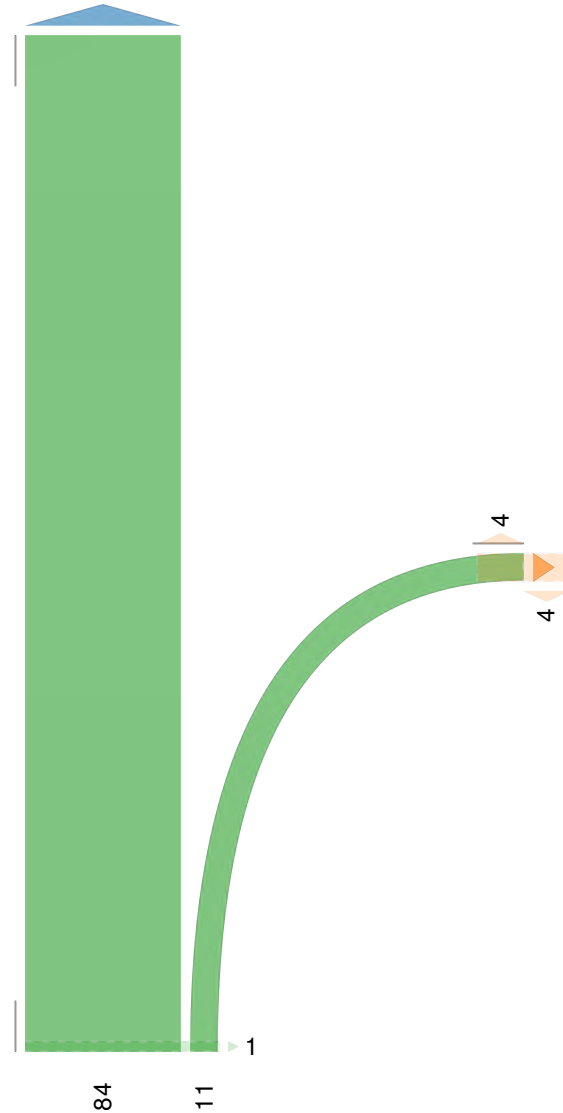
ID: 728557, Location: 42.286569, -83.743364, Site Code: TMC_20 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB Carey Street

Total: 84
In: 0 Out: 84



Out: 11 In: 0
Total: 11
[E] EB High Street

Out: 0 In: 95
Total: 95
[S] NB Carey Street

TMC_20 Carey & High_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5:15 PM - 6:15 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728557, Location: 42.286569, -83.743364, Site Code: TMC_20 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB Carey Street Southbound					EB High Street Westbound					NB Carey Street Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 5:15PM	0	0	0	0	0	0	0	0	0	5	3	25	0	28	0	28
5:30PM	0	0	0	0	0	0	0	0	0	4	3	24	0	27	0	27
5:45PM	0	0	0	0	1	0	0	0	0	5	8	29	0	37	0	37
6:00PM	0	0	0	0	0	0	0	0	0	5	3	25	0	28	0	28
Total	0	0	0	0	1	0	0	0	0	19	17	103	0	120	0	120
% Approach	0%	0%	0%	-	-	0%	0%	0%	-	-	14.2%	85.8%	0%	-	-	-
% Total	0%	0%	0%	0%	-	0%	0%	0%	0%	-	14.2%	85.8%	0%	100%	-	-
PHF	-	-	-	-	-	-	-	-	-	-	0.531	0.879	-	0.804	-	0.804
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%
Lights	0	0	0	0	-	0	0	0	0	-	17	98	0	115	-	115
% Lights	0%	0%	0%	-	-	0%	0%	0%	-	-	100%	95.1%	0%	95.8%	-	95.8%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Single-Unit Trucks	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	0	0	0	-	0	4	0	4	-	4
% Buses	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	3.9%	0%	3.3%	-	3.3%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Bicycles on Road	0%	0%	0%	-	-	0%	0%	0%	-	-	0%	1.0%	0%	0.8%	-	0.8%
Pedestrians	-	-	-	-	1	-	-	-	-	18	-	-	-	-	0	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	94.7%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	5.3%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_20 Carey & High_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5:15 PM - 6:15 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728557, Location: 42.286569, -83.743364, Site Code: TMC_20 Traffic Data Collection, LLC

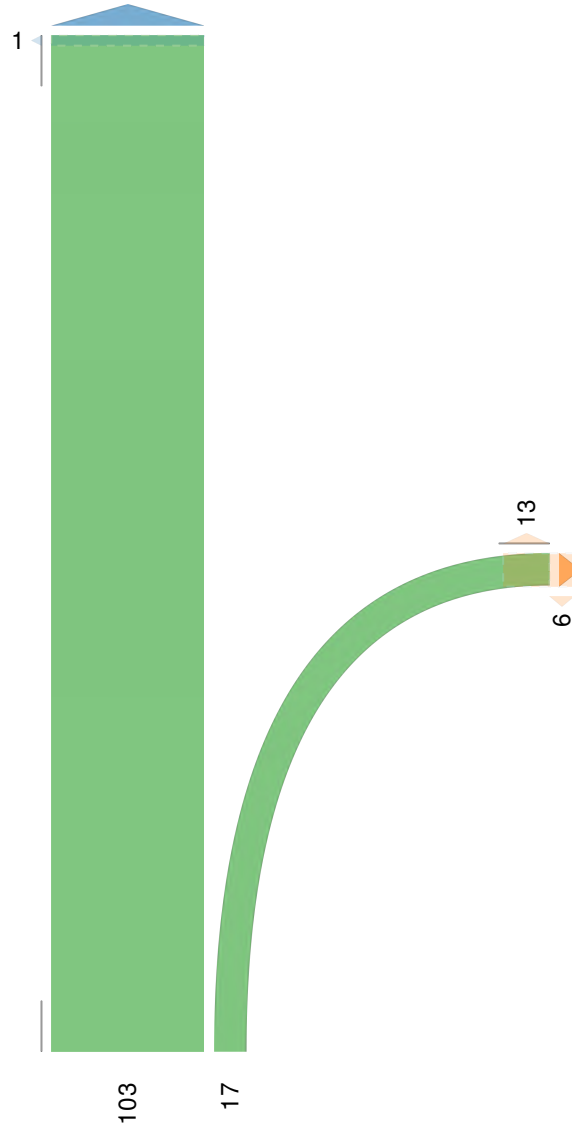


Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB Carey Street

Total: 103

In: 0 Out: 103



Out: 0 In: 120

Total: 120

[S] NB Carey Street

Out: 17 In: 0

Total: 17

[E] EB High Street



Project: Lower Town Area
 Mobility Study
 Corridor: N, Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61E
 NE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_21
 Division & Kingsley_11-19-19
 Site Code: TMC_21
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	NB N. Division Street Southbound					Kingsley Street Westbound					NB N. Division Street Northbound					Kingsley Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
6:00 AM	0	0	0	0	0	2	2	0	1	4	0	21	1	1	22	0	5	0	0	5	31
6:15 AM	0	0	0	0	0	4	0	0	1	4	2	44	0	0	46	0	6	0	0	6	56
6:30 AM	0	0	0	0	0	2	0	0	1	2	2	58	2	0	62	0	11	4	2	15	79
6:45 AM	0	0	0	0	0	3	1	0	5	4	7	73	2	1	82	0	22	2	1	24	110
Hourly Total	0	0	0	0	0	11	3	0	8	14	11	196	5	2	212	0	44	6	3	50	276
7:00 AM	0	0	0	0	0	4	1	0	2	5	5	80	3	1	88	0	18	2	0	20	113
7:15 AM	0	0	0	1	0	5	1	0	1	6	6	114	8	5	128	0	29	6	1	35	169
7:30 AM	0	0	0	6	0	10	13	0	6	23	9	156	9	8	174	0	42	15	5	57	254
7:45 AM	0	0	0	8	0	12	11	0	14	23	10	189	6	21	205	0	38	15	2	53	281
Hourly Total	0	0	0	15	0	31	26	0	23	57	30	539	26	35	595	0	127	38	8	165	817
8:00 AM	0	0	0	2	0	15	9	0	3	24	2	199	3	7	204	0	20	11	8	31	259
8:15 AM	0	0	0	6	0	8	4	0	4	12	1	193	3	2	197	0	27	11	6	38	247
8:30 AM	0	0	0	5	0	9	7	0	8	16	2	204	2	14	208	0	32	13	12	45	269
8:45 AM	0	0	0	1	0	16	7	0	5	23	2	157	3	7	162	0	11	8	4	19	204
Hourly Total	0	0	0	14	0	48	27	0	20	75	7	753	11	30	771	0	90	43	30	133	979
9:00 AM	0	0	0	4	0	10	7	0	2	17	5	168	3	4	176	0	16	10	2	26	219
9:15 AM	0	0	0	4	0	10	5	0	4	15	7	137	5	3	149	0	6	4	7	10	174
9:30 AM	0	0	0	9	0	9	5	0	0	14	1	107	4	7	112	0	16	6	8	22	148
9:45 AM	0	0	0	4	0	6	2	0	1	8	5	124	6	11	135	0	11	7	10	18	161
Hourly Total	0	0	0	21	0	35	19	0	7	54	18	536	18	25	572	0	49	27	27	76	702
10:00 AM	1	0	0	3	1	8	4	0	6	12	2	119	7	2	128	0	4	11	2	15	156
10:15 AM	0	0	0	1	0	10	3	0	0	13	3	116	3	7	122	0	10	6	2	16	151
10:30 AM	0	0	0	1	0	11	4	0	3	15	3	116	8	5	127	0	10	4	1	14	156
10:45 AM	0	0	0	5	0	8	6	0	10	14	3	88	9	6	100	0	9	5	6	14	128
Hourly Total	1	0	0	10	1	37	17	0	19	54	11	439	27	20	477	0	33	26	11	59	591
11:00 AM	0	0	0	8	0	8	6	0	4	14	5	99	3	8	107	0	15	11	3	26	147
11:15 AM	0	0	0	2	0	14	5	0	2	19	4	117	8	4	129	0	10	7	4	17	165
11:30 AM	0	0	0	3	0	10	9	0	4	19	2	143	10	7	155	0	13	10	3	23	197
11:45 AM	0	0	0	7	0	9	6	0	3	15	7	117	8	13	132	0	16	12	6	28	175
Hourly Total	0	0	0	20	0	41	26	0	13	67	18	476	29	32	523	0	54	40	16	94	684
12:00 PM	0	0	0	6	0	11	9	0	3	20	4	133	6	8	143	0	14	7	3	21	184
12:15 PM	0	0	0	2	0	4	1	0	3	5	5	127	4	6	136	0	8	8	5	16	157
12:30 PM	0	0	0	3	0	7	6	0	3	13	3	138	8	7	149	0	11	9	6	20	182
12:45 PM	0	0	0	10	0	5	9	0	2	14	2	129	5	12	136	0	6	6	4	12	162
Hourly Total	0	0	0	21	0	27	25	0	11	52	14	527	23	33	564	0	39	30	18	69	685
1:00 PM	0	0	0	5	0	14	9	0	3	23	4	119	11	5	134	0	11	11	3	22	179
1:15 PM	0	0	0	0	0	11	10	0	3	21	1	128	7	5	136	0	7	4	2	11	168
1:30 PM	0	0	0	2	0	12	6	0	4	18	3	113	7	7	123	0	18	7	8	25	166
1:45 PM	0	0	0	5	0	5	9	0	5	14	5	112	7	6	124	0	14	7	5	21	159
Hourly Total	0	0	0	12	0	42	34	0	15	76	13	472	32	23	517	0	50	29	18	79	672
2:00 PM	0	0	0	5	0	6	3	0	2	9	1	120	3	0	124	0	6	14	4	20	153
2:15 PM	0	0	0	3	0	7	11	0	2	18	7	144	6	1	157	0	12	12	7	24	199
2:30 PM	0	0	0	7	0	9	7	0	2	16	6	162	13	5	181	0	6	7	4	13	210
2:45 PM	0	0	0	2	0	13	11	0	3	24	3	135	7	4	145	0	10	7	7	17	186
Hourly Total	0	0	0	17	0	35	32	0	9	67	17	561	29	10	607	0	34	40	22	74	748
3:00 PM	0	0	0	6	0	12	12	0	1	24	2	186	8	4	196	0	10	9	7	19	239
3:15 PM	0	0	0	5	0	11	10	0	6	21	2	167	0	3	169	0	13	7	1	20	210
3:30 PM	0	0	0	4	0	18	19	0	2	37	3	177	0	4	180	0	12	4	2	16	233
3:45 PM	0	0	0	5	0	29	13	0	7	42	5	154	5	4	164	0	9	7	3	16	222
Hourly Total	0	0	0	20	0	70	54	0	16	124	12	684	13	15	709	0	44	27	13	71	904
4:00 PM	0	0	0	3	0	35	16	0	2	51	1	195	6	5	202	0	6	9	10	15	268
4:15 PM	0	0	0	1	0	48	20	0	7	68	3	218	8	9	229	0	8	2	4	10	307
4:30 PM	0	0	0	4	0	53	4	0	8	57	0	220	11	3	231	0	15	11	3	26	314
4:45 PM	0	0	0	4	0	45	26	0	7	71	2	201	5	6	208	0	7	6	5	13	292
Hourly Total	0	0	0	12	0	181	66	0	24	247	6	834	30	23	870	0	36	28	22	64	1181
5:00 PM	0	0	0	7	0	40	17	0	3	57	0	207	7	8	214	0	7	7	9	14	285
5:15 PM	0	0	0	2	0	33	20	0	10	53	2	216	3	6	221	0	9	11	9	20	294

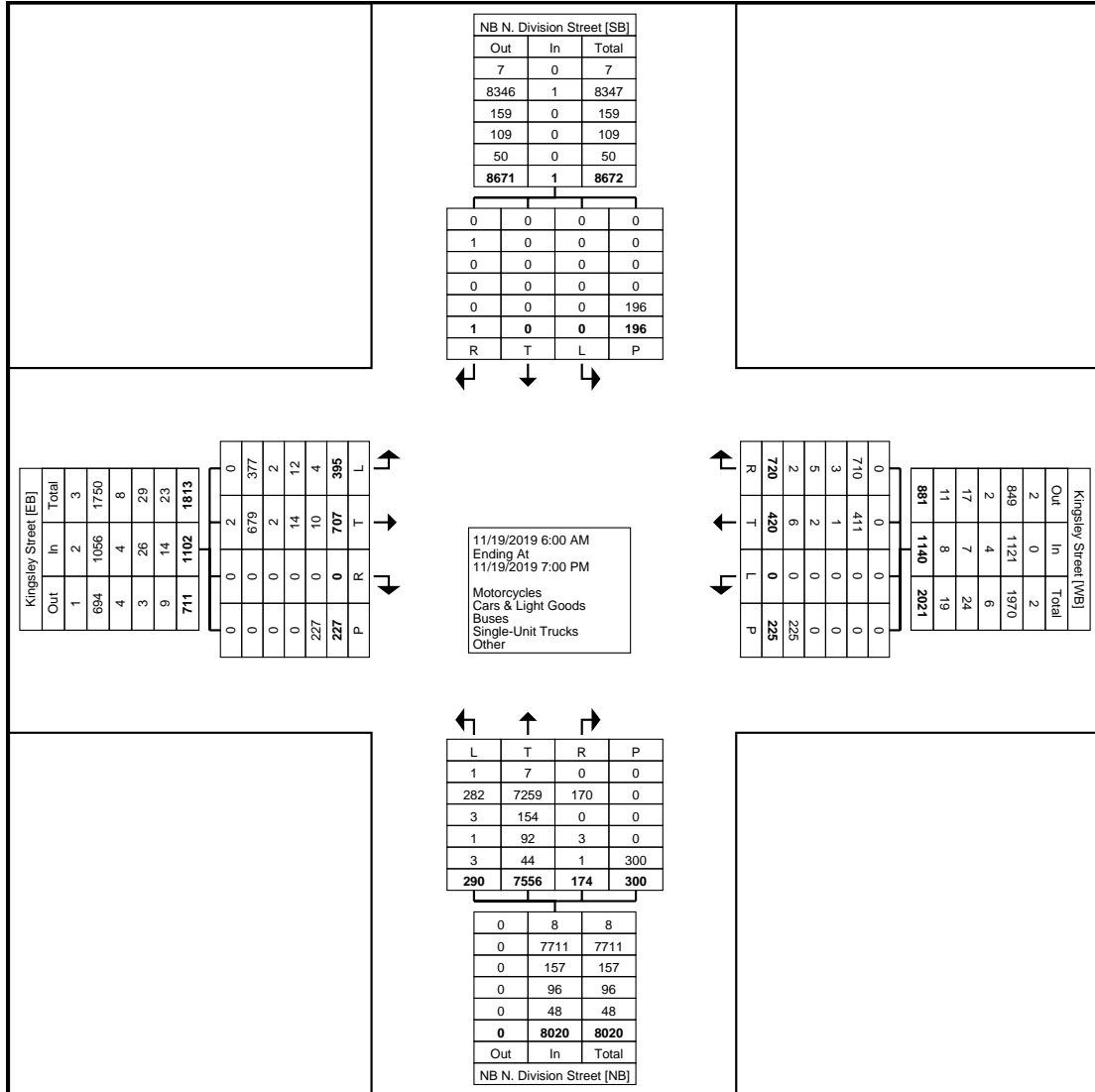
5:30 PM	0	0	0	7	0	33	15	0	11	48	2	235	5	8	242	0	17	7	5	24	314
5:45 PM	0	0	0	3	0	20	10	0	8	30	2	225	16	6	243	0	13	9	5	22	295
Hourly Total	0	0	0	19	0	126	62	0	32	188	6	883	31	28	920	0	46	34	28	80	1188
6:00 PM	0	0	0	1	0	14	8	0	9	22	3	172	4	8	179	0	10	11	2	21	222
6:15 PM	0	0	0	4	0	9	11	0	14	20	0	177	4	11	181	0	14	5	4	19	220
6:30 PM	0	0	0	3	0	6	3	0	3	9	4	149	3	2	156	0	13	4	2	17	182
6:45 PM	0	0	0	7	0	7	7	0	2	14	4	158	5	3	167	0	24	7	3	31	212
Hourly Total	0	0	0	15	0	36	29	0	28	65	11	656	16	24	683	0	61	27	11	88	836
Grand Total	1	0	0	196	1	720	420	0	225	1140	174	7556	290	300	8020	0	707	395	227	1102	10263
Approach %	100.0	0.0	0.0	-	-	63.2	36.8	0.0	-	-	2.2	94.2	3.6	-	-	0.0	64.2	35.8	-	-	-
Total %	0.0	0.0	0.0	-	0.0	7.0	4.1	0.0	-	11.1	1.7	73.6	2.8	-	78.1	0.0	6.9	3.8	-	10.7	-
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	7	1	-	8	0	2	0	-	2	10
% Motorcycles	0.0	-	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.1	0.3	-	0.1	-	0.3	0.0	-	0.2	0.1
Cars & Light Goods	1	0	0	-	1	710	411	0	-	1121	170	7259	282	-	7711	0	679	377	-	1056	9889
% Cars & Light Goods	100.0	-	-	-	100.0	98.6	97.9	-	-	98.3	97.7	96.1	97.2	-	96.1	-	96.0	95.4	-	95.8	96.4
Buses	0	0	0	-	0	3	1	0	-	4	0	154	3	-	157	0	2	2	-	4	165
% Buses	0.0	-	-	-	0.0	0.4	0.2	-	-	0.4	0.0	2.0	1.0	-	2.0	-	0.3	0.5	-	0.4	1.6
Single-Unit Trucks	0	0	0	-	0	5	2	0	-	7	3	92	1	-	96	0	14	12	-	26	129
% Single-Unit Trucks	0.0	-	-	-	0.0	0.7	0.5	-	-	0.6	1.7	1.2	0.3	-	1.2	-	2.0	3.0	-	2.4	1.3
Articulated Trucks	0	0	0	-	0	1	0	0	-	1	0	9	0	-	9	0	0	3	-	3	13
% Articulated Trucks	0.0	-	-	-	0.0	0.1	0.0	-	-	0.1	0.0	0.1	0.0	-	0.1	-	0.0	0.8	-	0.3	0.1
Bicycles on Road	0	0	0	-	0	1	6	0	-	7	1	35	3	-	39	0	10	1	-	11	57
% Bicycles on Road	0.0	-	-	-	0.0	0.1	1.4	-	-	0.6	0.6	0.5	1.0	-	0.5	-	1.4	0.3	-	1.0	0.6
Bicycles on Crosswalk	-	-	-	9	-	-	-	-	16	-	-	-	-	2	-	-	-	-	12	-	-
% Bicycles on Crosswalk	-	-	-	4.6	-	-	-	-	7.1	-	-	-	-	0.7	-	-	-	-	5.3	-	-
Pedestrians	-	-	-	187	-	-	-	-	209	-	-	-	-	298	-	-	-	-	215	-	-
% Pedestrians	-	-	-	95.4	-	-	-	-	92.9	-	-	-	-	99.3	-	-	-	-	94.7	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: N, Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61E
 NE

Count Name: TMC_21
 Division & Kingsley_11-19-19
 Site Code: TMC_21
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: N, Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61E
 NE

Count Name: TMC_21
 Division & Kingsley_11-19-19
 Site Code: TMC_21
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:45 AM)

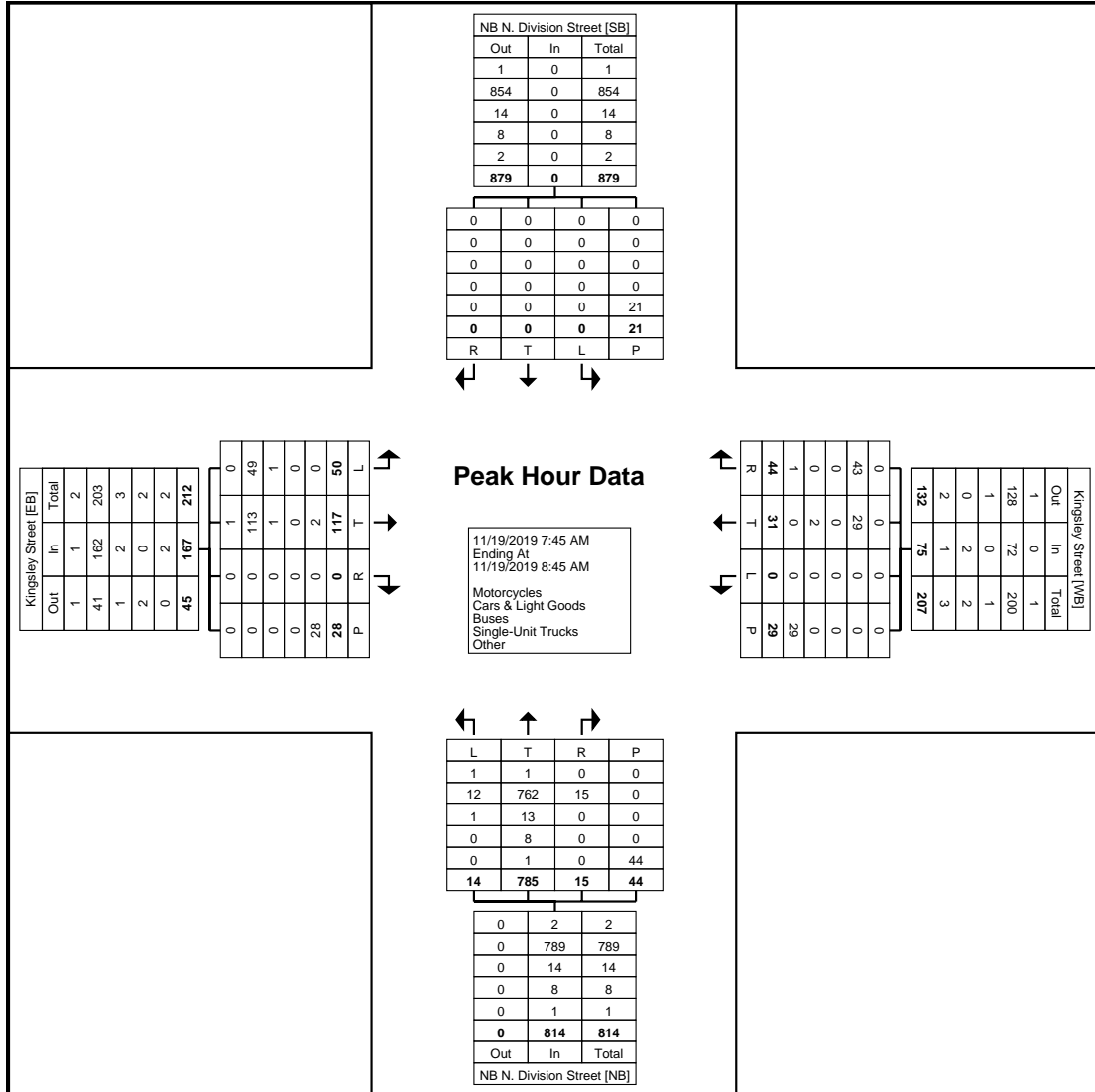
Start Time	NB N. Division Street Southbound					Kingsley Street Westbound					NB N. Division Street Northbound					Kingsley Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
7:45 AM	0	0	0	8	0	12	11	0	14	23	10	189	6	21	205	0	38	15	2	53	281
8:00 AM	0	0	0	2	0	15	9	0	3	24	2	199	3	7	204	0	20	11	8	31	259
8:15 AM	0	0	0	6	0	8	4	0	4	12	1	193	3	2	197	0	27	11	6	38	247
8:30 AM	0	0	0	5	0	9	7	0	8	16	2	204	2	14	208	0	32	13	12	45	269
Total	0	0	0	21	0	44	31	0	29	75	15	785	14	44	814	0	117	50	28	167	1056
Approach %	0.0	0.0	0.0	-	-	58.7	41.3	0.0	-	-	1.8	96.4	1.7	-	-	0.0	70.1	29.9	-	-	-
Total %	0.0	0.0	0.0	-	0.0	4.2	2.9	0.0	-	7.1	1.4	74.3	1.3	-	77.1	0.0	11.1	4.7	-	15.8	-
PHF	0.000	0.000	0.000	-	0.000	0.733	0.705	0.000	-	0.781	0.375	0.962	0.583	-	0.978	0.000	0.770	0.833	-	0.788	0.940
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	1	1	-	2	0	1	0	-	1	3
% Motorcycles	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.1	7.1	-	0.2	-	0.9	0.0	-	0.6	0.3
Cars & Light Goods	0	0	0	-	0	43	29	0	-	72	15	762	12	-	789	0	113	49	-	162	1023
% Cars & Light Goods	-	-	-	-	-	97.7	93.5	-	-	96.0	100.0	97.1	85.7	-	96.9	-	96.6	98.0	-	97.0	96.9
Buses	0	0	0	-	0	0	0	0	-	0	0	13	1	-	14	0	1	1	-	2	16
% Buses	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	1.7	7.1	-	1.7	-	0.9	2.0	-	1.2	1.5
Single-Unit Trucks	0	0	0	-	0	0	2	0	-	2	0	8	0	-	8	0	0	0	-	0	10
% Single-Unit Trucks	-	-	-	-	-	0.0	6.5	-	-	2.7	0.0	1.0	0.0	-	1.0	-	0.0	0.0	-	0.0	0.9
Articulated Trucks	0	0	0	-	0	1	0	0	-	1	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	-	-	-	-	-	2.3	0.0	-	-	1.3	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.1
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	2	0	-	2	3
% Bicycles on Road	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.1	0.0	-	0.1	-	1.7	0.0	-	1.2	0.3
Bicycles on Crosswalk	-	-	-	0	-	-	-	-	1	-	-	-	-	1	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	-	3.4	-	-	-	-	2.3	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	21	-	-	-	-	28	-	-	-	-	43	-	-	-	-	28	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	96.6	-	-	-	-	97.7	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: N, Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61E
 NE

Count Name: TMC_21
 Division & Kingsley_11-19-19
 Site Code: TMC_21
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: N, Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61E
 NE

Count Name: TMC_21
 Division & Kingsley_11-19-19
 Site Code: TMC_21
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:15 AM)

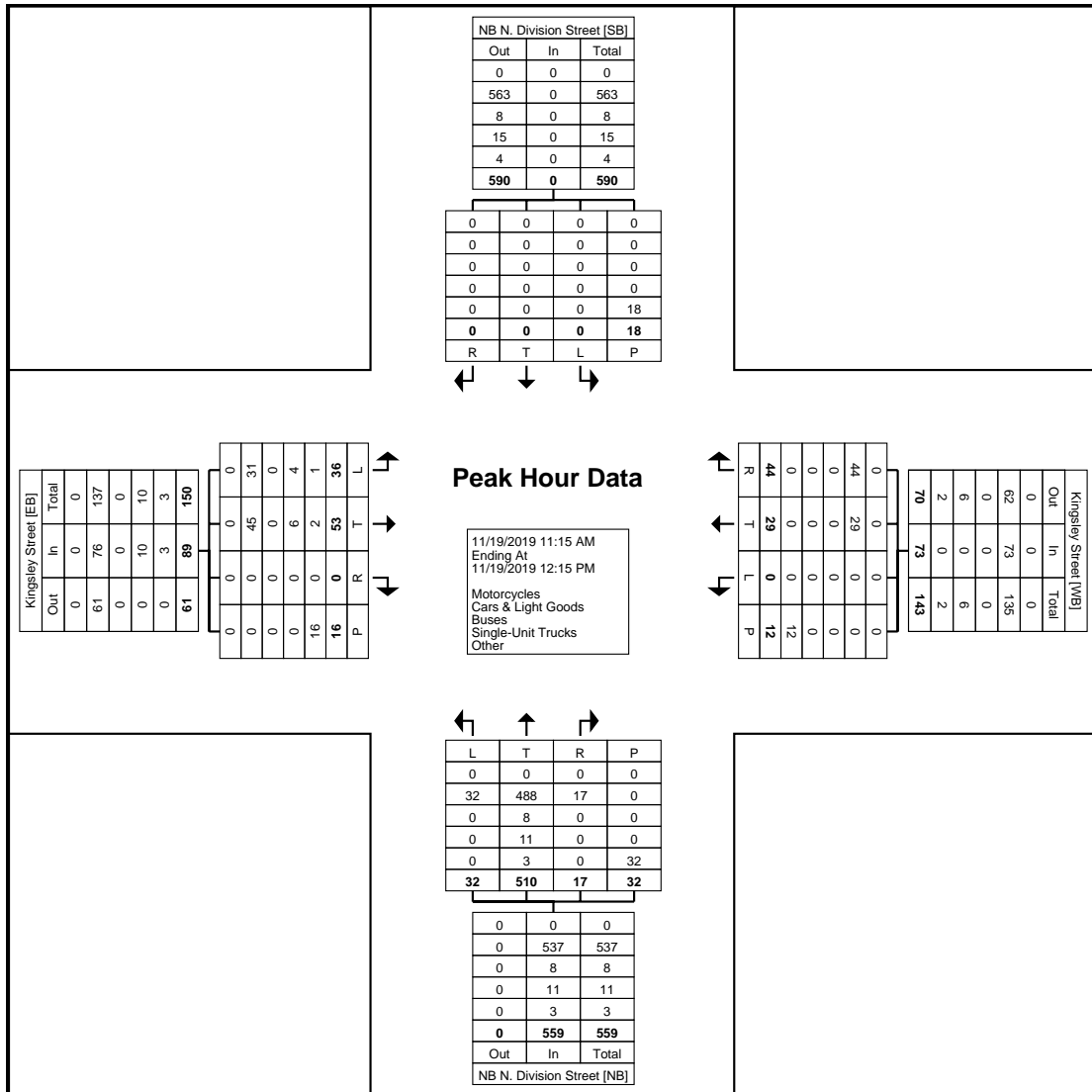
Start Time	NB N. Division Street Southbound					Kingsley Street Westbound					NB N. Division Street Northbound					Kingsley Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
11:15 AM	0	0	0	2	0	14	5	0	2	19	4	117	8	4	129	0	10	7	4	17	165
11:30 AM	0	0	0	3	0	10	9	0	4	19	2	143	10	7	155	0	13	10	3	23	197
11:45 AM	0	0	0	7	0	9	6	0	3	15	7	117	8	13	132	0	16	12	6	28	175
12:00 PM	0	0	0	6	0	11	9	0	3	20	4	133	6	8	143	0	14	7	3	21	184
Total	0	0	0	18	0	44	29	0	12	73	17	510	32	32	559	0	53	36	16	89	721
Approach %	0.0	0.0	0.0	-	-	60.3	39.7	0.0	-	-	3.0	91.2	5.7	-	-	0.0	59.6	40.4	-	-	-
Total %	0.0	0.0	0.0	-	0.0	6.1	4.0	0.0	-	10.1	2.4	70.7	4.4	-	77.5	0.0	7.4	5.0	-	12.3	-
PHF	0.000	0.000	0.000	-	0.000	0.786	0.806	0.000	-	0.913	0.607	0.892	0.800	-	0.902	0.000	0.828	0.750	-	0.795	0.915
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
Cars & Light Goods	0	0	0	-	0	44	29	0	-	73	17	488	32	-	537	0	45	31	-	76	686
% Cars & Light Goods	-	-	-	-	-	100.0	100.0	-	-	100.0	100.0	95.7	100.0	-	96.1	-	84.9	86.1	-	85.4	95.1
Buses	0	0	0	-	0	0	0	0	-	0	0	8	0	-	8	0	0	0	-	0	8
% Buses	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	1.6	0.0	-	1.4	-	0.0	0.0	-	0.0	1.1
Single-Unit Trucks	0	0	0	-	0	0	0	0	-	0	0	11	0	-	11	0	6	4	-	10	21
% Single-Unit Trucks	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	2.2	0.0	-	2.0	-	11.3	11.1	-	11.2	2.9
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	0	1	-	1	2
% Articulated Trucks	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.2	0.0	-	0.2	-	0.0	2.8	-	1.1	0.3
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	2	0	-	2	0	2	0	-	2	4
% Bicycles on Road	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.4	0.0	-	0.4	-	3.8	0.0	-	2.2	0.6
Bicycles on Crosswalk	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	-	-	-	2	-	-
% Bicycles on Crosswalk	-	-	-	5.6	-	-	-	-	0.0	-	-	-	-	0.0	-	-	-	-	12.5	-	-
Pedestrians	-	-	-	17	-	-	-	-	12	-	-	-	-	32	-	-	-	-	14	-	-
% Pedestrians	-	-	-	94.4	-	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	87.5	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: N, Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61E
 NE

Count Name: TMC_21
 Division & Kingsley_11-19-19
 Site Code: TMC_21
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:15 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: N, Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61E
 NE

Count Name: TMC_21
 Division & Kingsley_11-19-19
 Site Code: TMC_21
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:15 PM)

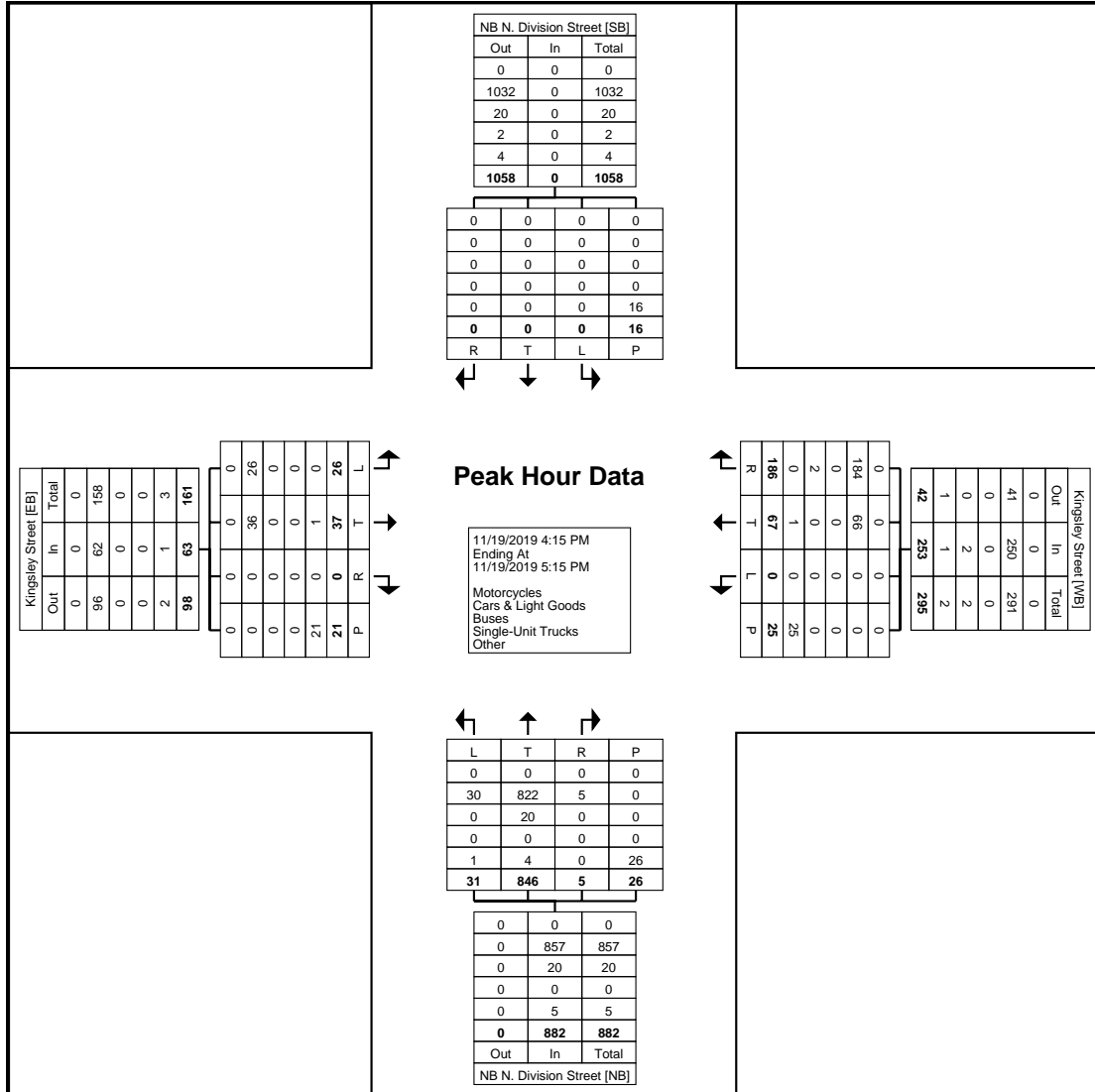
Start Time	NB N. Division Street Southbound					Kingsley Street Westbound					NB N. Division Street Northbound					Kingsley Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
4:15 PM	0	0	0	1	0	48	20	0	7	68	3	218	8	9	229	0	8	2	4	10	307
4:30 PM	0	0	0	4	0	53	4	0	8	57	0	220	11	3	231	0	15	11	3	26	314
4:45 PM	0	0	0	4	0	45	26	0	7	71	2	201	5	6	208	0	7	6	5	13	292
5:00 PM	0	0	0	7	0	40	17	0	3	57	0	207	7	8	214	0	7	7	9	14	285
Total	0	0	0	16	0	186	67	0	25	253	5	846	31	26	882	0	37	26	21	63	1198
Approach %	0.0	0.0	0.0	-	-	73.5	26.5	0.0	-	-	0.6	95.9	3.5	-	-	0.0	58.7	41.3	-	-	-
Total %	0.0	0.0	0.0	-	0.0	15.5	5.6	0.0	-	21.1	0.4	70.6	2.6	-	73.6	0.0	3.1	2.2	-	5.3	-
PHF	0.000	0.000	0.000	-	0.000	0.877	0.644	0.000	-	0.891	0.417	0.961	0.705	-	0.955	0.000	0.617	0.591	-	0.606	0.954
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
Cars & Light Goods	0	0	0	-	0	184	66	0	-	250	5	822	30	-	857	0	36	26	-	62	1169
% Cars & Light Goods	-	-	-	-	-	98.9	98.5	-	-	98.8	100.0	97.2	96.8	-	97.2	-	97.3	100.0	-	98.4	97.6
Buses	0	0	0	-	0	0	0	0	-	0	0	20	0	-	20	0	0	0	-	0	20
% Buses	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	2.4	0.0	-	2.3	-	0.0	0.0	-	0.0	1.7
Single-Unit Trucks	0	0	0	-	0	2	0	0	-	2	0	0	0	-	0	0	0	0	-	0	2
% Single-Unit Trucks	-	-	-	-	-	1.1	0.0	-	-	0.8	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.2
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	1
% Articulated Trucks	-	-	-	-	-	0.0	0.0	-	-	0.0	0.0	0.1	0.0	-	0.1	-	0.0	0.0	-	0.0	0.1
Bicycles on Road	0	0	0	-	0	0	1	0	-	1	0	3	1	-	4	0	1	0	-	1	6
% Bicycles on Road	-	-	-	-	-	0.0	1.5	-	-	0.4	0.0	0.4	3.2	-	0.5	-	2.7	0.0	-	1.6	0.5
Bicycles on Crosswalk	-	-	-	2	-	-	-	-	4	-	-	-	-	0	-	-	-	-	2	-	-
% Bicycles on Crosswalk	-	-	-	12.5	-	-	-	-	16.0	-	-	-	-	0.0	-	-	-	-	9.5	-	-
Pedestrians	-	-	-	14	-	-	-	-	21	-	-	-	-	26	-	-	-	-	19	-	-
% Pedestrians	-	-	-	87.5	-	-	-	-	84.0	-	-	-	-	100.0	-	-	-	-	90.5	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: N, Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU61E
 NE

Count Name: TMC_21
 Division & Kingsley_11-19-19
 Site Code: TMC_21
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:15 PM)

TMC_21 Division & Kingsley_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728558, Location: 42.284753, -83.743654, Site Code: TMC_21 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound						Kingsley Street Westbound						NB N. Division Street Northbound						Kingsley Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 6:00AM	0	0	0	0	0	0	2	2	0	0	4	1	0	21	1	0	22	1	0	5	0	0	5	0	31
6:15AM	0	0	0	0	0	0	4	0	0	0	4	1	2	44	0	0	46	0	0	6	0	0	6	0	56
6:30AM	0	0	0	0	0	0	2	0	0	0	2	1	2	58	2	0	62	0	0	11	4	0	15	2	79
6:45AM	0	0	0	0	0	0	3	1	0	0	4	5	7	73	2	0	82	1	0	22	2	0	24	1	110
Hourly Total	0	0	0	0	0	0	11	3	0	0	14	8	11	196	5	0	212	2	0	44	6	0	50	3	276
7:00AM	0	0	0	0	0	0	4	1	0	0	5	2	5	80	3	0	88	1	0	18	2	0	20	0	113
7:15AM	0	0	0	0	0	1	5	1	0	0	6	1	6	114	8	0	128	5	0	29	6	0	35	1	169
7:30AM	0	0	0	0	0	6	10	13	0	0	23	6	9	156	9	0	174	8	0	42	15	0	57	5	254
7:45AM	0	0	0	0	0	8	12	11	0	0	23	14	10	189	6	0	205	21	0	38	15	0	53	2	281
Hourly Total	0	0	0	0	0	15	31	26	0	0	57	23	30	539	26	0	595	35	0	127	38	0	165	8	817
8:00AM	0	0	0	0	0	2	15	9	0	0	24	3	2	199	3	0	204	7	0	20	11	0	31	8	259
8:15AM	0	0	0	0	0	6	8	4	0	0	12	4	1	193	3	0	197	2	0	27	11	0	38	6	247
8:30AM	0	0	0	0	0	5	9	7	0	0	16	8	2	204	2	0	208	14	0	32	13	0	45	12	269
8:45AM	0	0	0	0	0	1	16	7	0	0	23	5	2	157	3	0	162	7	0	11	8	0	19	4	204
Hourly Total	0	0	0	0	0	14	48	27	0	0	75	20	7	753	11	0	771	30	0	90	43	0	133	30	979
9:00AM	0	0	0	0	0	4	10	7	0	0	17	2	5	168	3	0	176	4	0	16	10	0	26	2	219
9:15AM	0	0	0	0	0	4	10	5	0	0	15	4	7	137	5	0	149	3	0	6	4	0	10	7	174
9:30AM	0	0	0	0	0	9	9	5	0	0	14	0	1	107	4	0	112	7	0	16	6	0	22	8	148
9:45AM	0	0	0	0	0	4	6	2	0	0	8	1	5	124	6	0	135	11	0	11	7	0	18	10	161
Hourly Total	0	0	0	0	0	21	35	19	0	0	54	7	18	536	18	0	572	25	0	49	27	0	76	27	702
10:00AM	1	0	0	0	1	3	8	4	0	0	12	6	2	119	7	0	128	2	0	4	11	0	15	2	156
10:15AM	0	0	0	0	0	1	10	3	0	0	13	0	3	116	3	0	122	7	0	10	6	0	16	2	151
10:30AM	0	0	0	0	0	1	11	4	0	0	15	3	3	116	8	0	127	5	0	10	4	0	14	1	156
10:45AM	0	0	0	0	0	5	8	6	0	0	14	10	3	88	9	0	100	6	0	9	5	0	14	6	128
Hourly Total	1	0	0	0	1	10	37	17	0	0	54	19	11	439	27	0	477	20	0	33	26	0	59	11	591
11:00AM	0	0	0	0	0	8	8	6	0	0	14	4	5	99	3	0	107	8	0	15	11	0	26	3	147
11:15AM	0	0	0	0	0	2	14	5	0	0	19	2	4	117	8	0	129	4	0	10	7	0	17	4	165
11:30AM	0	0	0	0	0	3	10	9	0	0	19	4	2	143	10	0	155	7	0	13	10	0	23	3	197
11:45AM	0	0	0	0	0	7	9	6	0	0	15	3	7	117	8	0	132	13	0	16	12	0	28	6	175
Hourly Total	0	0	0	0	0	20	41	26	0	0	67	13	18	476	29	0	523	32	0	54	40	0	94	16	684
12:00PM	0	0	0	0	0	6	11	9	0	0	20	3	4	133	6	0	143	8	0	14	7	0	21	3	184
12:15PM	0	0	0	0	0	2	4	1	0	0	5	3	5	127	4	0	136	6	0	8	8	0	16	5	157
12:30PM	0	0	0	0	0	3	7	6	0	0	13	3	3	138	8	0	149	7	0	11	9	0	20	6	182
12:45PM	0	0	0	0	0	10	5	9	0	0	14	2	2	129	5	0	136	12	0	6	6	0	12	4	162
Hourly Total	0	0	0	0	0	21	27	25	0	0	52	11	14	527	23	0	564	33	0	39	30	0	69	18	685
1:00PM	0	0	0	0	0	5	14	9	0	0	23	3	4	119	11	0	134	5	0	11	11	0	22	3	179
1:15PM	0	0	0	0	0	0	11	10	0	0	21	3	1	128	7	0	136	5	0	7	4	0	11	2	168
1:30PM	0	0	0	0	0	2	12	6	0	0	18	4	3	113	7	0	123	7	0	18	7	0	25	8	166
1:45PM	0	0	0	0	0	5	5	9	0	0	14	5	5	112	7	0	124	6	0	14	6	1	21	5	159
Hourly Total	0	0	0	0	0	12	42	34	0	0	76	15	13	472	32	0	517	23	0	50	28	1	79	18	672
2:00PM	0	0	0	0	0	5	6	3	0	0	9	2	1	120	3	0	124	0	0	6	14	0	20	4	153
2:15PM	0	0	0	0	0	3	7	11	0	0	18	2	7	144	6	0	157	1	0	12	12	0	24	7	199
2:30PM	0	0	0	0	0	7	9	7	0	0	16	2	6	162	13	0	181	5	0	6	7	0	13	4	210
2:45PM	0	0	0	0	0	2	13	11	0	0	24	3	3	135	7	0	145	4	0	10	7	0	17	7	186
Hourly Total	0	0	0	0	0	17	35	32	0	0	67	9	17	561	29	0	607	10	0	34	40	0	74	22	748
3:00PM	0	0	0	0	0	6	12	12	0	0	24	1	2	186	8	0	196	4	0	10	9	0	19	7	239
3:15PM	0	0	0	0	0	5	11	10	0	0	21	6	2	167	0	0	169	3	0	13	7	0	20	1	210
3:30PM	0	0	0	0	0	4	18	19	0	0	37	2	3	177	0	0	180	4	0	12	4	0	16	2	233
3:45PM	0	0	0	0	0	5	29	13	0	0	42	7	5	154	5	0	164	4	0	9	7	0	16	3	222
Hourly Total	0	0	0	0	0	20	70	54	0	0	124	16	12	684	13	0	709	15	0	44	27	0	71	13	904
4:00PM	0	0	0	0	0	3	35	16	0	0	51	2	1	195	6	0	202	5	0	6	9	0	15	10	268
4:15PM	0	0	0	0	0	1	48	20	0	0	68	7	3	218	8	0	229	9	0	8	2	0	10	4	307
4:30PM	0	0	0	0	0	4	53	4	0	0	57	8	0	220	11	0	231	3	0	15	11	0	26	3	314
4:45PM	0	0	0	0	0	4	45	26	0	0	71	7	2	201	5	0	208	6	0	7	6	0	13	5	292
Hourly Total	0	0	0	0	0	12	181	66	0	0	247	24	6	834	30	0	870	23	0	36	28	0	64	22	1181
5:00PM	0	0	0	0	0	7	40	17	0	0	57	3	0	207	7	0	214	8	0	7	7	0	14	9	285
5:15PM	0	0	0	0	0	2	33	20	0	0	53	10	2	216	3	0	221	6	0	9	11	0	20	9	294
5:30PM	0	0	0	0	0	7	33	15	0	0	48	11	2	235	5	0	242	8	0	17	7	0	24	5	314
5:45PM	0	0	0	0	0	3	20	10	0	0	30	8	2	225	16	0	243	6	0	13	9	0	22	5	295
Hourly Total	0	0	0	0	0	19	126	62	0	0	188	32	6	883	31	0	920	28	0	46	34	0	80	28	1188
6:00PM	0	0	0	0	0	1	14	8	0	0	22	9	3	172	4	0	179	8	0	10	11	0	21	2	222
6:15PM	0	0	0	0	0	4	9	11	0	0	20	14	0	177	4	0	181	11	0	14	5	0	19	4	220
6:30PM	0	0	0	0	0	3	6	3	0	0	9	3	4	149	3	0	156	2	0	13	4	0	17	2	182
6:45PM	0	0	0																						

Leg Direction	NB N. Division Street Southbound						Kingsley Street Westbound						NB N. Division Street Northbound						Kingsley Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
Total	1	0	0	0	1	196	720	420	0	0	1140	225	174	7556	290	0	8020	300	0	707	394	1	1102	227	10263
% Approach	100%	0%	0%	0%	-	-	63.2%	36.8%	0%	0%	-	-	2.2%	94.2%	3.6%	0%	-	-	0%	64.2%	35.8%	0.1%	-	-	-
% Total	0%	0%	0%	0%	0%	-	7.0%	4.1%	0%	0%	11.1%	-	1.7%	73.6%	2.8%	0%	78.1%	-	0%	6.9%	3.8%	0%	10.7%	-	-
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	7	1	0	8	-	0	2	0	0	2	-	10
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0.3%	0%	0.1%	-	0%	0.3%	0%	0%	0.2%	-	0.1%
Lights	1	0	0	0	1	-	710	411	0	0	1121	-	170	7259	282	0	7711	-	0	679	376	1	1056	-	9889
% Lights	100%	0%	0%	0%	100%	-	98.6%	97.9%	0%	0%	98.3%	-	97.7%	96.1%	97.2%	0%	96.1%	-	0%	96.0%	95.4%	100%	95.8%	-	96.4%
Single-Unit Trucks	0	0	0	0	0	-	5	2	0	0	7	-	3	92	1	0	96	-	0	14	12	0	26	-	129
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0.7%	0.5%	0%	0%	0.6%	-	1.7%	1.2%	0.3%	0%	1.2%	-	0%	2.0%	3.0%	0%	2.4%	-	1.3%
Articulated Trucks	0	0	0	0	0	-	1	0	0	0	1	-	0	9	0	0	9	-	0	0	3	0	3	-	13
% Articulated Trucks	0%	0%	0%	0%	0%	-	0.1%	0%	0%	0%	0.1%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0.8%	0%	0.3%	-	0.1%
Buses	0	0	0	0	0	-	3	1	0	0	4	-	0	154	3	0	157	-	0	2	2	0	4	-	165
% Buses	0%	0%	0%	0%	0%	-	0.4%	0.2%	0%	0%	0.4%	-	0%	2.0%	1.0%	0%	2.0%	-	0%	0.3%	0.5%	0%	0.4%	-	1.6%
Bicycles on Road	0	0	0	0	0	-	1	6	0	0	7	-	1	35	3	0	39	-	0	10	1	0	11	-	57
% Bicycles on Road	0%	0%	0%	0%	0%	-	0.1%	1.4%	0%	0%	0.6%	-	0.6%	0.5%	1.0%	0%	0.5%	-	0%	1.4%	0.3%	0%	1.0%	-	0.6%
Pedestrians	-	-	-	-	-	187	-	-	-	-	-	209	-	-	-	-	-	298	-	-	-	-	-	215	
% Pedestrians	-	-	-	-	-	-95.4%	-	-	-	-	-	-92.9%	-	-	-	-	-	-99.3%	-	-	-	-	-	-94.7%	-
Bicycles on Crosswalk	-	-	-	-	-	9	-	-	-	-	-	16	-	-	-	-	-	2	-	-	-	-	-	12	
% Bicycles on Crosswalk	-	-	-	-	-	-4.6%	-	-	-	-	-	-7.1%	-	-	-	-	-	-0.7%	-	-	-	-	-	-5.3%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_21 Division & Kingsley_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

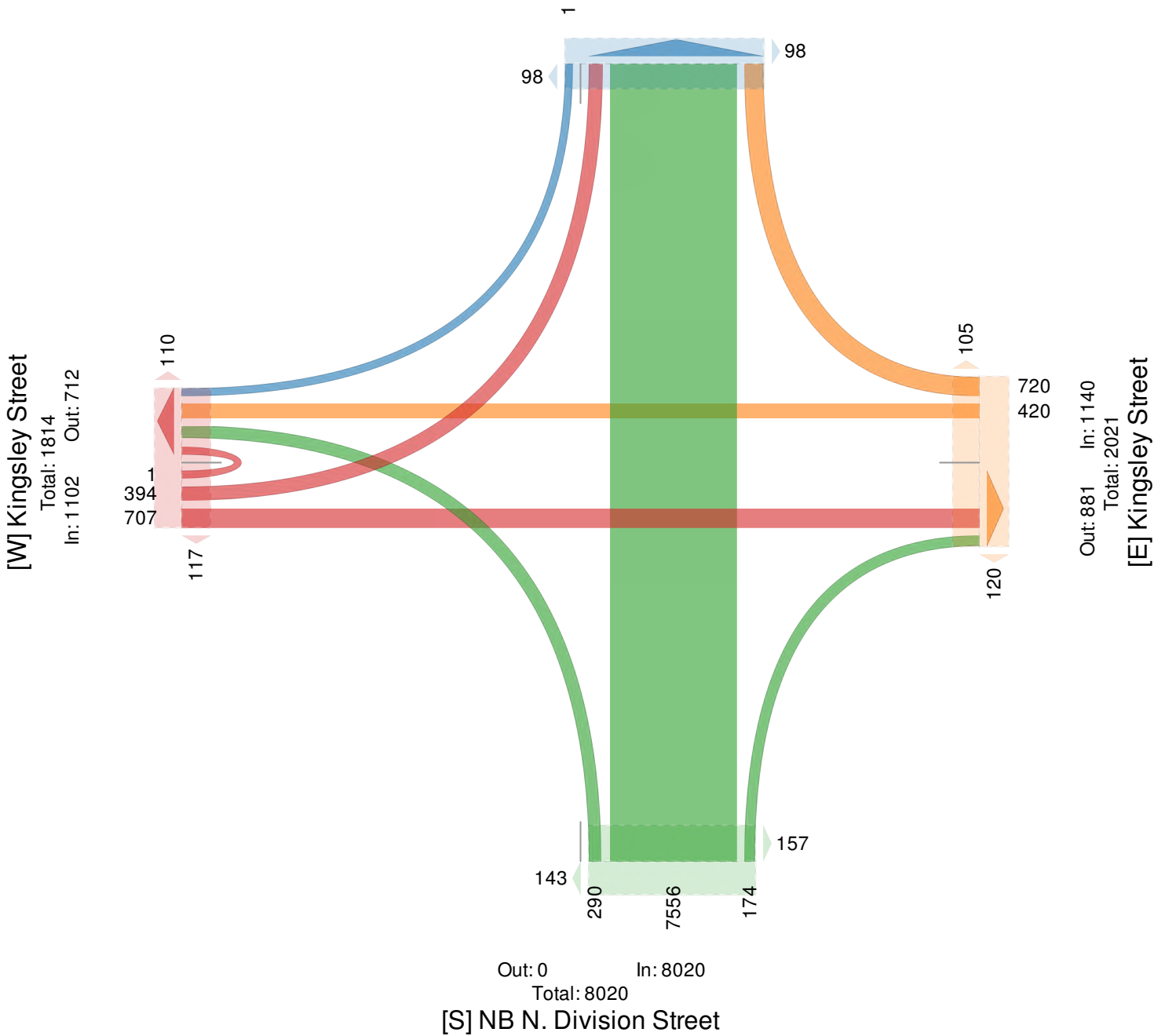
ID: 728558, Location: 42.284753, -83.743654, Site Code: TMC_21 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

Total: 8671
In: 1 Out: 8670



TMC_21 Division & Kingsley_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728558, Location: 42.284753, -83.743654, Site Code: TMC_21 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound						Kingsley Street Westbound						NB N. Division Street Northbound						Kingsley Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 7:45AM	0	0	0	0	0	8	12	11	0	0	23	14	10	189	6	0	205	21	0	38	15	0	53	2	281
8:00AM	0	0	0	0	0	2	15	9	0	0	24	3	2	199	3	0	204	7	0	20	11	0	31	8	259
8:15AM	0	0	0	0	0	6	8	4	0	0	12	4	1	193	3	0	197	2	0	27	11	0	38	6	247
8:30AM	0	0	0	0	0	5	9	7	0	0	16	8	2	204	2	0	208	14	0	32	13	0	45	12	269
Total	0	0	0	0	0	21	44	31	0	0	75	29	15	785	14	0	814	44	0	117	50	0	167	28	1056
% Approach	0%	0%	0%	0%	0%	-	58.7%	41.3%	0%	0%	-	-	1.8%	96.4%	1.7%	0%	-	-	0%	70.1%	29.9%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	0%	4.2%	2.9%	0%	0%	7.1%	-	1.4%	74.3%	1.3%	0%	77.1%	-	0%	11.1%	4.7%	0%	15.8%	-	-
PHF	-	-	-	-	-	-	0.733	0.705	-	-	0.781	-	0.375	0.961	0.583	-	0.977	-	-	0.777	0.833	-	0.793	-	0.940
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	1	1	0	2	-	0	1	0	0	1	-	3
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	7.1%	0%	0.2%	-	0%	0.9%	0%	0%	0.6%	-	0.3%
Lights	0	0	0	0	0	-	43	29	0	0	72	-	15	762	12	0	789	-	0	113	49	0	162	-	1023
% Lights	0%	0%	0%	0%	0%	-	97.7%	93.5%	0%	0%	96.0%	-	100%	97.1%	85.7%	0%	96.9%	-	0%	96.6%	98.0%	0%	97.0%	-	96.9%
Single-Unit Trucks	0	0	0	0	0	-	0	2	0	0	2	-	0	8	0	0	8	-	0	0	0	0	0	-	10
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	6.5%	0%	0%	2.7%	-	0%	1.0%	0%	0%	1.0%	-	0%	0%	0%	0%	0%	-	0.9%
Articulated Trucks	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	2.3%	0%	0%	0%	1.3%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	0	0	0	0	-	0	0	0	0	0	-	0	13	1	0	14	-	0	1	1	0	2	-	16
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	1.7%	7.1%	0%	1.7%	-	0%	0.9%	2.0%	0%	1.2%	-	1.5%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	0	2	0	0	2	-	3
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0%	1.7%	0%	0%	1.2%	-	0.3%
Pedestrians	-	-	-	-	-	21	-	-	-	-	-	28	-	-	-	-	-	43	-	-	-	-	-	28	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	96.6%	-	-	-	-	-	97.7%	-	-	-	-	-	100%	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	3.4%	-	-	-	-	-	2.3%	-	-	-	-	-	0%	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_21 Division & Kingsley_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728558, Location: 42.284753, -83.743654, Site Code: TMC_21 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

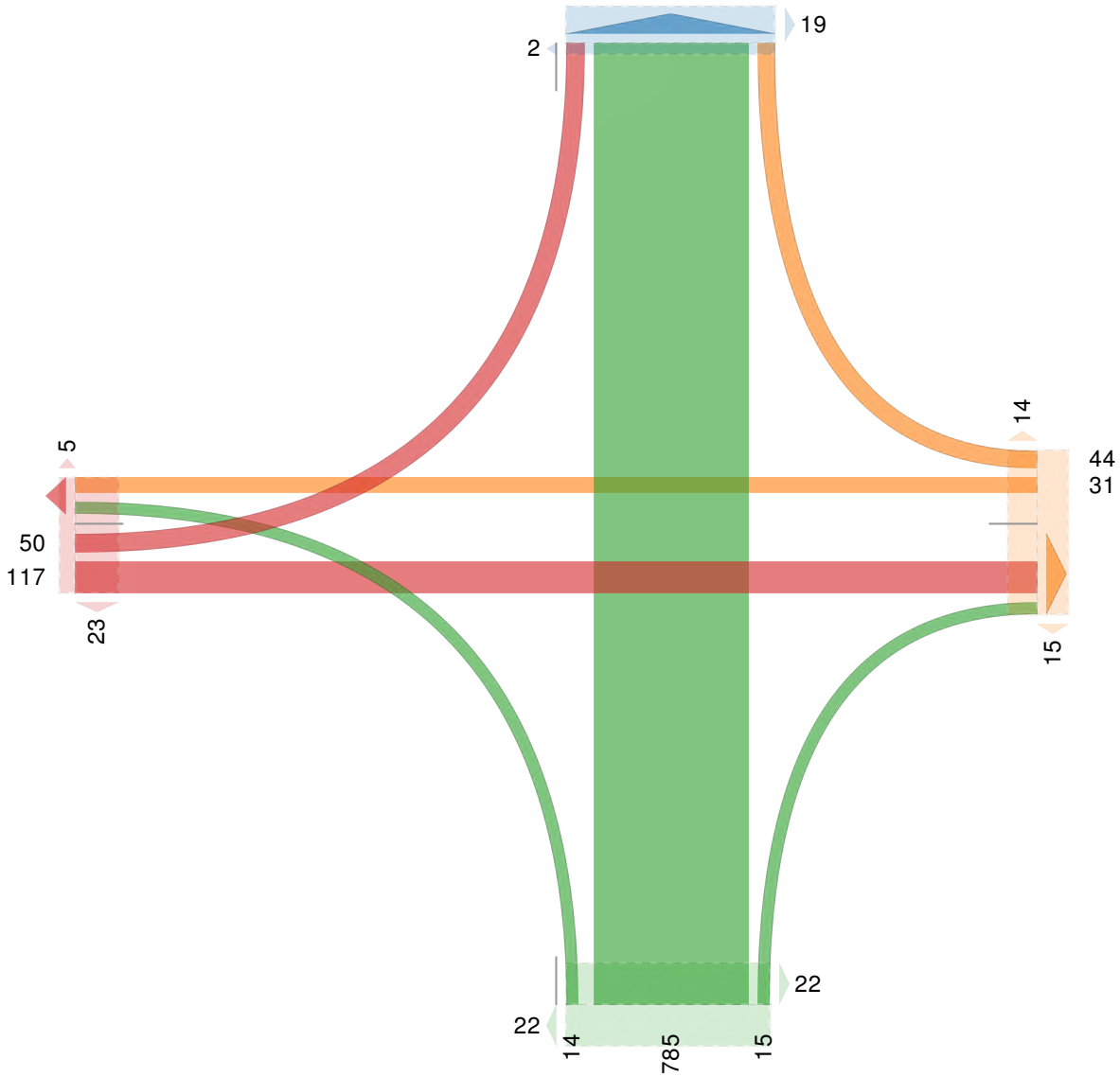
Total: 879

In: 0

Out: 879

[W] Kingsley Street

Total: 212
In: 167 Out: 45



Out: 132 In: 75
Total: 207

[E] Kingsley Street

Out: 0

In: 814

Total: 814

[S] NB N. Division Street

TMC_21 Division & Kingsley_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728558, Location: 42.284753, -83.743654, Site Code: TMC_21 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound						Kingsley Street Westbound						NB N. Division Street Northbound						Kingsley Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 11:15AM	0	0	0	0	0	2	14	5	0	0	19	2	4	117	8	0	129	4	0	10	7	0	17	4	165
11:30AM	0	0	0	0	0	3	10	9	0	0	19	4	2	143	10	0	155	7	0	13	10	0	23	3	197
11:45AM	0	0	0	0	0	7	9	6	0	0	15	3	7	117	8	0	132	13	0	16	12	0	28	6	175
12:00PM	0	0	0	0	0	6	11	9	0	0	20	3	4	133	6	0	143	8	0	14	7	0	21	3	184
Total	0	0	0	0	0	18	44	29	0	0	73	12	17	510	32	0	559	32	0	53	36	0	89	16	721
% Approach	0%	0%	0%	0%	0%	-	60.3%	39.7%	0%	0%	-	-	3.0%	91.2%	5.7%	0%	-	-	0%	59.6%	40.4%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	-	6.1%	4.0%	0%	0%	10.1%	-	2.4%	70.7%	4.4%	0%	77.5%	-	0%	7.4%	5.0%	0%	12.3%	-	-
PHF	-	-	-	-	-	-	0.786	0.806	-	-	0.913	-	0.607	0.894	0.800	-	0.904	-	-	0.850	0.750	-	0.806	-	0.915
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	0	0	0	0	0	-	44	29	0	0	73	-	17	488	32	0	537	-	0	45	31	0	76	-	686
% Lights	0%	0%	0%	0%	0%	-	100%	100%	0%	0%	100%	-	100%	95.7%	100%	0%	96.1%	-	0%	84.9%	86.1%	0%	85.4%	-	95.1%
Single-Unit Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	11	0	0	11	-	0	6	4	0	10	-	21
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	2.2%	0%	0%	2.0%	-	0%	11.3%	11.1%	0%	11.2%	-	2.9%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	1	0	1	-	2
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	2.8%	0%	1.1%	-	0.3%
Buses	0	0	0	0	0	-	0	0	0	0	0	-	0	8	0	0	8	-	0	0	0	0	0	-	8
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	1.6%	0%	0%	1.4%	-	0%	0%	0%	0%	0%	-	1.1%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	2	0	0	2	-	0	2	0	0	2	-	4
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.4%	-	0%	3.8%	0%	0%	2.2%	-	0.6%
Pedestrians	-	-	-	-	-	17	-	-	-	-	-	12	-	-	-	-	-	32	-	-	-	-	-	14	-
% Pedestrians	-	-	-	-	-	94.4%	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	87.5%	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	2	-
% Bicycles on Crosswalk	-	-	-	-	-	5.6%	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	12.5%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_21 Division & Kingsley_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:15 AM - 12:15 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728558, Location: 42.284753, -83.743654, Site Code: TMC_21 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

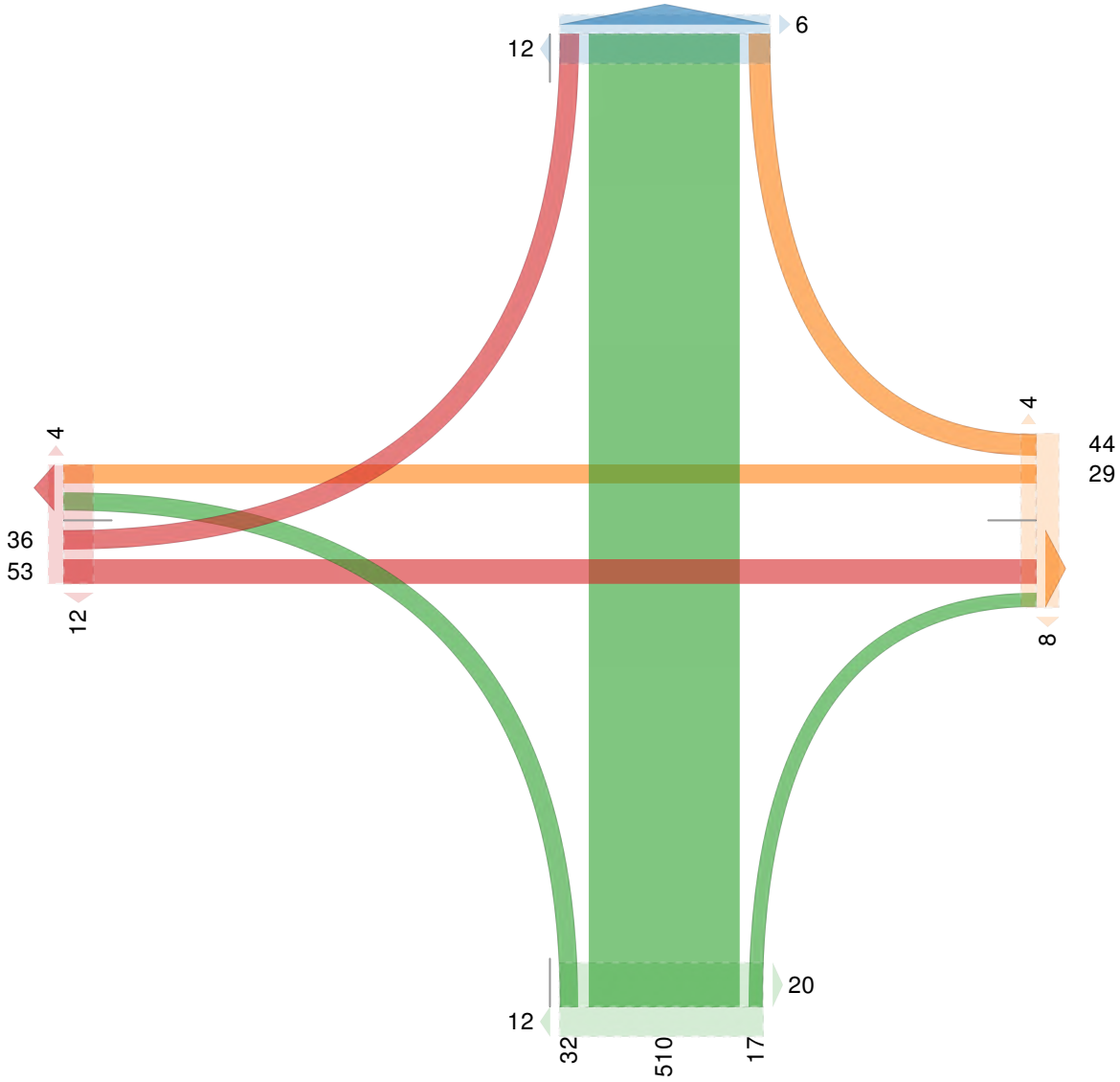
Total: 590

In: 0

Out: 590

[W] Kingsley Street

Total: 150
In: 89 Out: 61



[E] Kingsley Street
Out: 70 In: 73
Total: 143

Out: 0 In: 559
Total: 559
[S] NB N. Division Street

TMC_21 Division & Kingsley_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:15 PM - 5:15 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728558, Location: 42.284753, -83.743654, Site Code: TMC_21 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound						Kingsley Street Westbound						NB N. Division Street Northbound						Kingsley Street Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 4:15PM	0	0	0	0	0	1	48	20	0	0	68	7	3	218	8	0	229	9	0	8	2	0	10	4	307
4:30PM	0	0	0	0	0	4	53	4	0	0	57	8	0	220	11	0	231	3	0	15	11	0	26	3	314
4:45PM	0	0	0	0	0	4	45	26	0	0	71	7	2	201	5	0	208	6	0	7	6	0	13	5	292
5:00PM	0	0	0	0	0	7	40	17	0	0	57	3	0	207	7	0	214	8	0	7	7	0	14	9	285
Total	0	0	0	0	0	16	186	67	0	0	253	25	5	846	31	0	882	26	0	37	26	0	63	21	1198
% Approach	0%	0%	0%	0%	0%	-	73.5%	26.5%	0%	0%	-	-	0.6%	95.9%	3.5%	0%	-	-	0%	58.7%	41.3%	0%	-	-	-
% Total	0%	0%	0%	0%	0%	-	15.5%	5.6%	0%	0%	21.1%	-	0.4%	70.6%	2.6%	0%	73.6%	-	0%	3.1%	2.2%	0%	5.3%	-	-
PHF	-	-	-	-	-	-	0.877	0.635	-	-	0.887	-	0.417	0.967	0.682	-	0.959	-	-	0.600	0.591	-	0.596	-	0.955
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	0	0	0	0	0	-	184	66	0	0	250	-	5	822	30	0	857	-	0	36	26	0	62	-	1169
% Lights	0%	0%	0%	0%	0%	-	98.9%	98.5%	0%	0%	98.8%	-	100%	97.2%	96.8%	0%	97.2%	-	0%	97.3%	100%	0%	98.4%	-	97.6%
Single-Unit Trucks	0	0	0	0	0	-	2	0	0	0	2	-	0	0	0	0	0	-	0	0	0	0	0	-	2
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	1.1%	0%	0%	0%	0.8%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.2%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	0	0	0	0	-	0	0	0	0	0	-	0	20	0	0	20	-	0	0	0	0	0	-	20
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	2.4%	0%	0%	2.3%	-	0%	0%	0%	0%	0%	-	1.7%
Bicycles on Road	0	0	0	0	0	-	0	1	0	0	1	-	0	3	1	0	4	-	0	1	0	0	1	-	6
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	1.5%	0%	0%	0.4%	-	0%	0.4%	3.2%	0%	0.5%	-	0%	2.7%	0%	0%	1.6%	-	0.5%
Pedestrians	-	-	-	-	-	14	-	-	-	-	-	21	-	-	-	-	-	26	-	-	-	-	-	19	
% Pedestrians	-	-	-	-	-	-87.5%	-	-	-	-	-	-84.0%	-	-	-	-	-	-100%	-	-	-	-	-	-90.5%	
Bicycles on Crosswalk	-	-	-	-	-	2	-	-	-	-	-	4	-	-	-	-	-	0	-	-	-	-	-	2	
% Bicycles on Crosswalk	-	-	-	-	-	-12.5%	-	-	-	-	-	-16.0%	-	-	-	-	-	0%	-	-	-	-	-	-9.5%	

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_21 Division & Kingsley_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:15 PM - 5:15 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

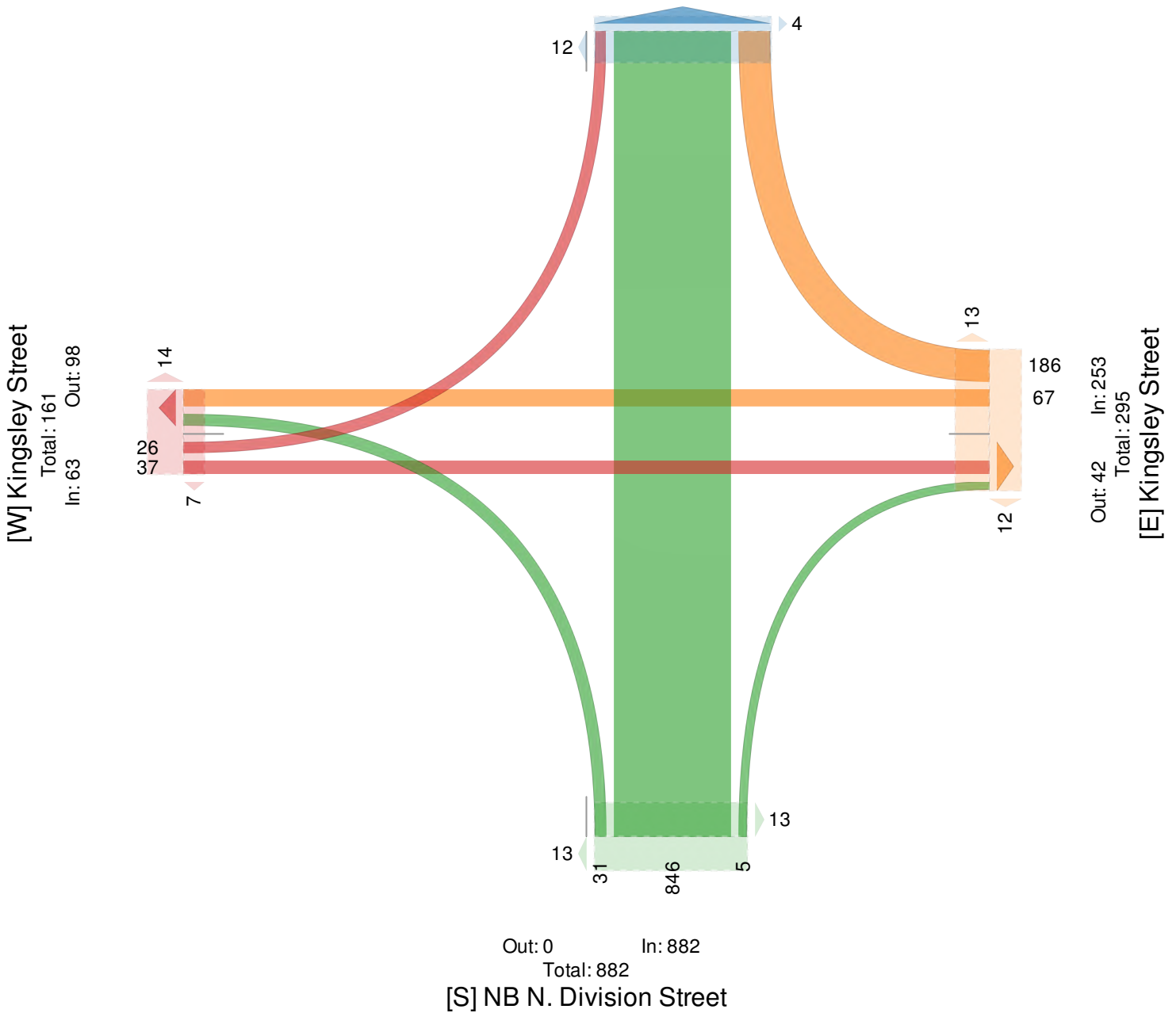
ID: 728558, Location: 42.284753, -83.743654, Site Code: TMC_21 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

Total: 1058
In: 0 Out: 1058





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU340
 NE

Count Name: TMC_22
 Division & Catherine_11-19-19
 Site Code: TMC_22
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	NB N. Division Street Southbound					Catherine Street Westbound					NB N. Division Street Northbound					Catherine Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
6:00 AM	0	0	0	2	0	0	2	0	1	2	0	28	4	2	32	0	0	0	0	0	34
6:15 AM	0	0	0	2	0	1	3	0	0	4	0	45	5	1	50	0	0	0	1	0	54
6:30 AM	0	0	0	4	0	7	3	0	3	10	0	58	4	1	62	0	0	0	1	0	72
6:45 AM	0	0	0	6	0	5	8	0	2	13	0	78	7	1	85	0	0	0	1	0	98
Hourly Total	0	0	0	14	0	13	16	0	6	29	0	209	20	5	229	0	0	0	3	0	258
7:00 AM	0	0	0	5	0	8	7	0	12	15	0	91	10	2	101	0	0	0	5	0	116
7:15 AM	0	0	1	21	1	8	18	0	22	26	1	135	20	7	156	0	0	0	16	0	183
7:30 AM	0	0	0	18	0	17	24	0	21	41	0	184	36	5	220	0	0	0	15	0	261
7:45 AM	0	0	0	21	0	16	23	0	17	39	0	204	23	5	227	0	0	0	20	0	266
Hourly Total	0	0	1	65	1	49	72	0	72	121	1	614	89	19	704	0	0	0	56	0	826
8:00 AM	0	0	0	11	0	9	20	0	16	29	0	202	20	11	222	0	0	0	9	0	251
8:15 AM	0	0	0	17	0	17	25	0	33	42	0	190	16	14	206	0	0	0	10	0	248
8:30 AM	0	0	0	10	0	19	26	0	9	45	0	198	17	8	215	0	0	0	13	0	260
8:45 AM	0	0	0	8	0	12	23	0	8	35	0	157	17	7	174	0	0	0	6	0	209
Hourly Total	0	0	0	46	0	57	94	0	66	151	0	747	70	40	817	0	0	0	38	0	968
9:00 AM	0	0	0	4	0	14	23	0	9	37	1	171	27	6	199	0	0	0	1	0	236
9:15 AM	0	0	0	1	0	10	17	0	12	27	0	150	25	6	175	0	0	0	6	0	202
9:30 AM	0	0	0	10	0	12	17	0	11	29	0	108	16	16	124	0	0	0	20	0	153
9:45 AM	0	0	0	9	0	13	23	0	8	36	0	131	21	5	152	0	0	0	13	0	188
Hourly Total	0	0	0	24	0	49	80	0	40	129	1	560	89	33	650	0	0	0	40	0	779
10:00 AM	0	0	0	10	0	11	16	0	9	27	0	122	13	11	135	0	0	0	6	0	162
10:15 AM	0	0	0	1	0	12	17	1	3	30	0	121	24	3	145	0	0	0	3	0	175
10:30 AM	0	0	0	4	0	14	12	0	6	26	0	120	22	3	142	0	0	0	1	0	168
10:45 AM	0	0	0	4	0	9	17	0	6	26	0	98	19	4	117	0	0	0	3	0	143
Hourly Total	0	0	0	19	0	46	62	1	24	109	0	461	78	21	539	0	0	0	13	0	648
11:00 AM	0	1	0	6	1	10	16	0	9	26	0	108	21	7	129	0	0	0	12	0	156
11:15 AM	0	0	0	6	0	10	22	0	7	32	0	133	24	7	157	0	0	0	9	0	189
11:30 AM	0	0	0	4	0	15	16	0	6	31	0	150	18	9	168	0	0	0	6	0	199
11:45 AM	0	0	0	5	0	15	33	0	5	48	0	124	29	4	153	0	0	0	9	0	201
Hourly Total	0	1	0	21	1	50	87	0	27	137	0	515	92	27	607	0	0	0	36	0	745
12:00 PM	0	0	0	11	0	12	39	0	10	51	0	136	27	8	163	0	0	0	8	0	214
12:15 PM	0	0	0	5	0	10	28	0	4	38	0	129	28	8	157	0	0	0	9	0	195
12:30 PM	0	0	0	4	0	16	18	0	6	34	0	142	26	5	168	0	0	0	4	0	202
12:45 PM	0	0	0	4	0	11	24	0	10	35	0	133	20	8	153	0	0	0	7	0	188
Hourly Total	0	0	0	24	0	49	109	0	30	158	0	540	101	29	641	0	0	0	28	0	799
1:00 PM	0	0	0	3	0	22	27	0	4	49	0	121	31	1	152	0	0	0	8	0	201
1:15 PM	0	0	0	5	0	13	29	0	7	42	0	126	23	9	149	0	0	0	1	0	191
1:30 PM	0	0	0	5	0	13	26	0	8	39	0	120	35	10	155	0	0	0	11	0	194
1:45 PM	0	0	0	6	0	10	41	0	5	51	0	117	25	7	142	0	0	0	7	0	193
Hourly Total	0	0	0	19	0	58	123	0	24	181	0	484	114	27	598	0	0	0	27	0	779
2:00 PM	0	0	0	6	0	9	40	0	4	49	0	121	28	3	149	0	0	0	5	0	198
2:15 PM	0	0	0	3	0	7	26	0	6	33	0	164	25	5	189	0	0	0	5	0	222
2:30 PM	0	0	0	8	0	16	43	0	9	59	0	162	30	8	192	0	0	0	8	0	251
2:45 PM	0	0	0	6	0	12	45	0	8	57	0	145	29	6	174	0	0	0	4	0	231
Hourly Total	0	0	0	23	0	44	154	0	27	198	0	592	112	22	704	0	0	0	22	0	902
3:00 PM	0	0	0	11	0	13	61	0	7	74	0	186	39	7	225	0	0	0	4	0	299
3:15 PM	0	0	0	8	0	12	62	0	3	74	0	166	46	6	212	0	0	0	10	0	286
3:30 PM	0	0	0	7	0	14	88	0	5	102	0	171	57	4	228	0	0	0	8	0	330
3:45 PM	0	0	0	8	0	11	96	0	5	107	0	158	30	4	188	0	0	0	3	0	295
Hourly Total	0	0	0	34	0	50	307	0	20	357	0	681	172	21	853	0	0	0	25	0	1210
4:00 PM	0	0	0	8	0	13	103	0	8	116	0	193	37	7	230	0	0	0	13	0	346
4:15 PM	0	0	0	9	0	15	100	0	11	115	0	219	53	6	272	0	0	0	5	0	387
4:30 PM	0	0	0	3	0	16	98	0	9	114	0	218	53	6	271	0	0	0	4	0	385
4:45 PM	0	0	1	1	1	12	111	0	13	123	0	201	35	12	236	0	0	0	8	0	360
Hourly Total	0	0	1	21	1	56	412	0	41	468	0	831	178	31	1009	0	0	0	30	0	1478
5:00 PM	0	0	0	14	0	19	85	0	6	104	0	205	58	4	263	0	0	0	7	0	367
5:15 PM	0	0	0	9	0	18	114	0	15	132	0	209	42	11	251	0	0	0	11	0	383

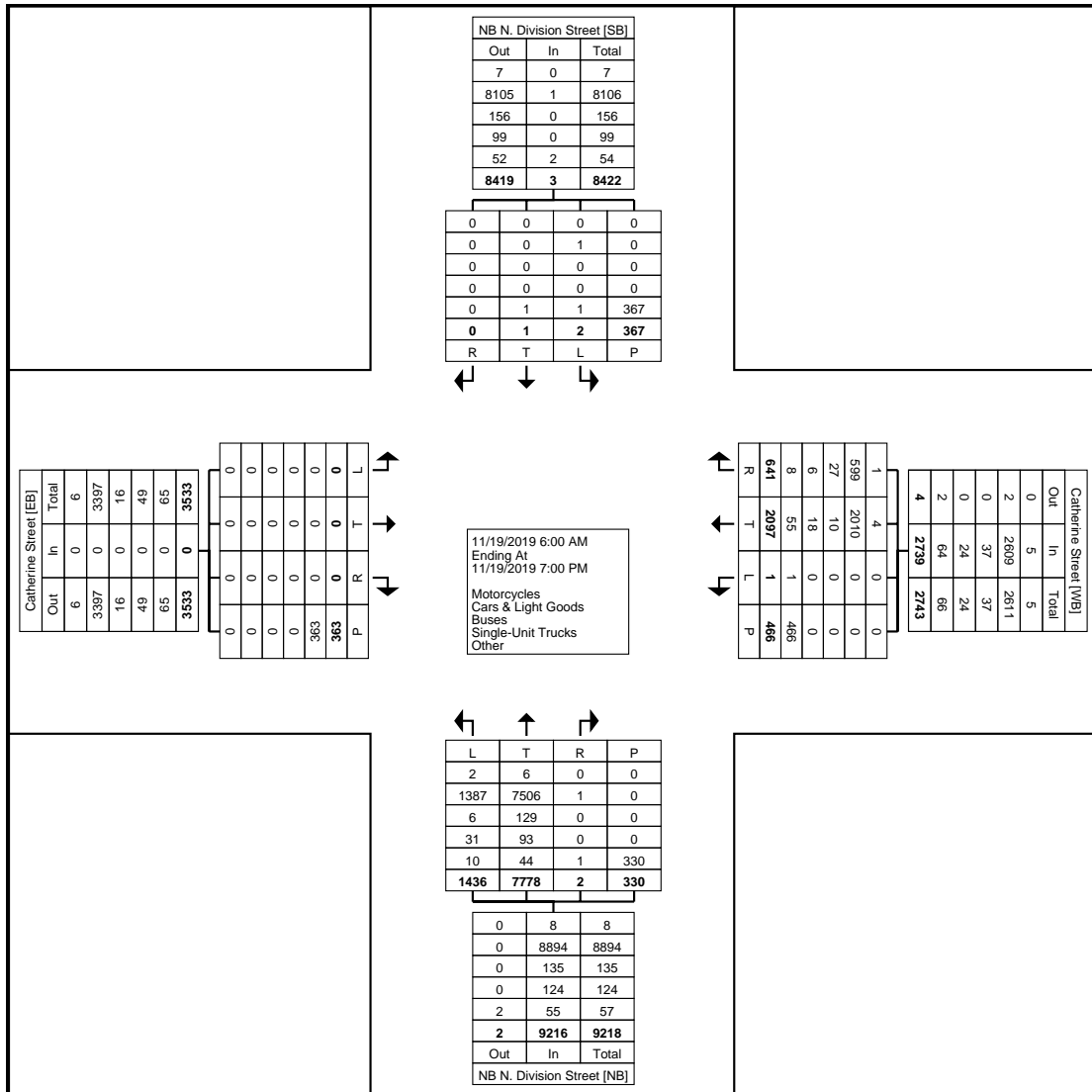
5:30 PM	0	0	0	7	0	21	93	0	14	114	0	233	36	10	269	0	0	0	6	0	383
5:45 PM	0	0	0	6	0	19	85	0	10	104	0	231	54	3	285	0	0	0	6	0	389
Hourly Total	0	0	0	36	0	77	377	0	45	454	0	878	190	28	1068	0	0	0	30	0	1522
6:00 PM	0	0	0	4	0	14	63	0	13	77	0	171	38	7	209	0	0	0	0	0	286
6:15 PM	0	0	0	12	0	11	46	0	14	57	0	174	30	5	204	0	0	0	9	0	261
6:30 PM	0	0	0	3	0	8	48	0	8	56	0	153	33	10	186	0	0	0	2	0	242
6:45 PM	0	0	0	2	0	10	47	0	9	57	0	168	30	5	198	0	0	0	4	0	255
Hourly Total	0	0	0	21	0	43	204	0	44	247	0	666	131	27	797	0	0	0	15	0	1044
Grand Total	0	1	2	367	3	641	2097	1	466	2739	2	7778	1436	330	9216	0	0	0	363	0	11958
Approach %	0.0	33.3	66.7	-	-	23.4	76.6	0.0	-	-	0.0	84.4	15.6	-	-	0.0	0.0	0.0	-	-	-
Total %	0.0	0.0	0.0	-	0.0	5.4	17.5	0.0	-	22.9	0.0	65.0	12.0	-	77.1	0.0	0.0	0.0	-	0.0	-
Motorcycles	0	0	0	-	0	1	4	0	-	5	0	6	2	-	8	0	0	0	-	0	13
% Motorcycles	-	0.0	0.0	-	0.0	0.2	0.2	0.0	-	0.2	0.0	0.1	0.1	-	0.1	-	-	-	-	-	0.1
Cars & Light Goods	0	0	1	-	1	599	2010	0	-	2609	1	7506	1387	-	8894	0	0	0	-	0	11504
% Cars & Light Goods	-	0.0	50.0	-	33.3	93.4	95.9	0.0	-	95.3	50.0	96.5	96.6	-	96.5	-	-	-	-	-	96.2
Buses	0	0	0	-	0	27	10	0	-	37	0	129	6	-	135	0	0	0	-	0	172
% Buses	-	0.0	0.0	-	0.0	4.2	0.5	0.0	-	1.4	0.0	1.7	0.4	-	1.5	-	-	-	-	-	1.4
Single-Unit Trucks	0	0	0	-	0	6	18	0	-	24	0	93	31	-	124	0	0	0	-	0	148
% Single-Unit Trucks	-	0.0	0.0	-	0.0	0.9	0.9	0.0	-	0.9	0.0	1.2	2.2	-	1.3	-	-	-	-	-	1.2
Articulated Trucks	0	0	0	-	0	1	1	0	-	2	0	10	5	-	15	0	0	0	-	0	17
% Articulated Trucks	-	0.0	0.0	-	0.0	0.2	0.0	0.0	-	0.1	0.0	0.1	0.3	-	0.2	-	-	-	-	-	0.1
Bicycles on Road	0	1	1	-	2	7	54	1	-	62	1	34	5	-	40	0	0	0	-	0	104
% Bicycles on Road	-	100.0	50.0	-	66.7	1.1	2.6	100.0	-	2.3	50.0	0.4	0.3	-	0.4	-	-	-	-	-	0.9
Bicycles on Crosswalk	-	-	-	15	-	-	-	-	25	-	-	-	-	8	-	-	-	-	8	-	-
% Bicycles on Crosswalk	-	-	-	4.1	-	-	-	-	5.4	-	-	-	-	2.4	-	-	-	-	2.2	-	-
Pedestrians	-	-	-	352	-	-	-	-	441	-	-	-	-	322	-	-	-	-	355	-	-
% Pedestrians	-	-	-	95.9	-	-	-	-	94.6	-	-	-	-	97.6	-	-	-	-	97.8	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU340
 NE

Count Name: TMC_22
 Division & Catherine_11-19-19
 Site Code: TMC_22
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU340
 NE

Count Name: TMC_22
 Division & Catherine_11-19-19
 Site Code: TMC_22
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:30 AM)

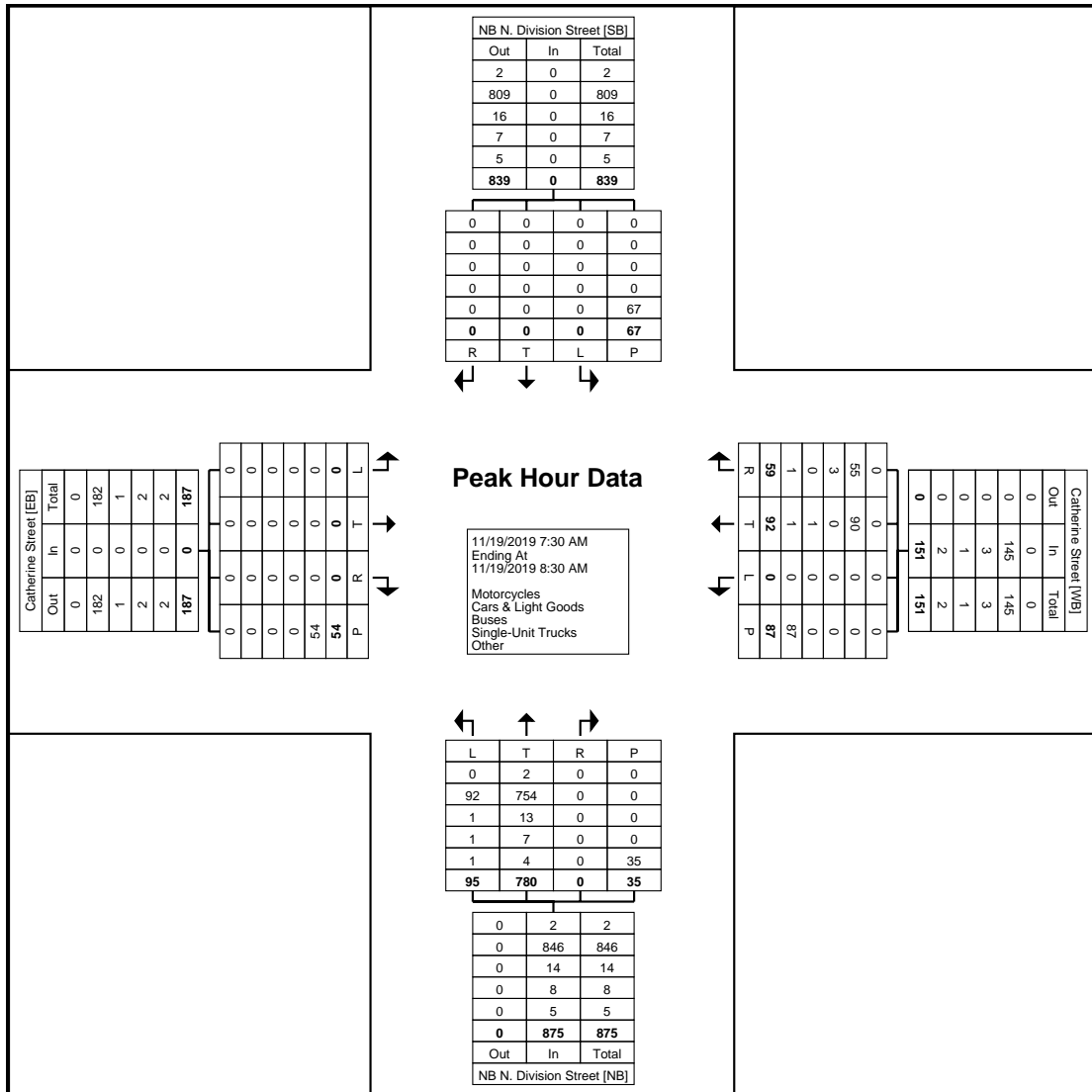
Start Time	NB N. Division Street Southbound					Catherine Street Westbound					NB N. Division Street Northbound					Catherine Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
7:30 AM	0	0	0	18	0	17	24	0	21	41	0	184	36	5	220	0	0	0	15	0	261
7:45 AM	0	0	0	21	0	16	23	0	17	39	0	204	23	5	227	0	0	0	20	0	266
8:00 AM	0	0	0	11	0	9	20	0	16	29	0	202	20	11	222	0	0	0	9	0	251
8:15 AM	0	0	0	17	0	17	25	0	33	42	0	190	16	14	206	0	0	0	10	0	248
Total	0	0	0	67	0	59	92	0	87	151	0	780	95	35	875	0	0	0	54	0	1026
Approach %	0.0	0.0	0.0	-	-	39.1	60.9	0.0	-	-	0.0	89.1	10.9	-	-	0.0	0.0	0.0	-	-	-
Total %	0.0	0.0	0.0	-	0.0	5.8	9.0	0.0	-	14.7	0.0	76.0	9.3	-	85.3	0.0	0.0	0.0	-	0.0	-
PHF	0.000	0.000	0.000	-	0.000	0.868	0.920	0.000	-	0.899	0.000	0.956	0.660	-	0.964	0.000	0.000	0.000	-	0.000	0.964
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	2	0	-	2	0	0	0	-	0	2
% Motorcycles	-	-	-	-	-	0.0	0.0	-	-	0.0	-	0.3	0.0	-	0.2	-	-	-	-	-	0.2
Cars & Light Goods	0	0	0	-	0	55	90	0	-	145	0	754	92	-	846	0	0	0	-	0	991
% Cars & Light Goods	-	-	-	-	-	93.2	97.8	-	-	96.0	-	96.7	96.8	-	96.7	-	-	-	-	-	96.6
Buses	0	0	0	-	0	3	0	0	-	3	0	13	1	-	14	0	0	0	-	0	17
% Buses	-	-	-	-	-	5.1	0.0	-	-	2.0	-	1.7	1.1	-	1.6	-	-	-	-	-	1.7
Single-Unit Trucks	0	0	0	-	0	0	1	0	-	1	0	7	1	-	8	0	0	0	-	0	9
% Single-Unit Trucks	-	-	-	-	-	0.0	1.1	-	-	0.7	-	0.9	1.1	-	0.9	-	-	-	-	-	0.9
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	2	1	-	3	0	0	0	-	0	3
% Articulated Trucks	-	-	-	-	-	0.0	0.0	-	-	0.0	-	0.3	1.1	-	0.3	-	-	-	-	-	0.3
Bicycles on Road	0	0	0	-	0	1	1	0	-	2	0	2	0	-	2	0	0	0	-	0	4
% Bicycles on Road	-	-	-	-	-	1.7	1.1	-	-	1.3	-	0.3	0.0	-	0.2	-	-	-	-	-	0.4
Bicycles on Crosswalk	-	-	-	2	-	-	-	-	3	-	-	-	-	0	-	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	-	3.0	-	-	-	-	3.4	-	-	-	-	0.0	-	-	-	-	1.9	-	-
Pedestrians	-	-	-	65	-	-	-	-	84	-	-	-	-	35	-	-	-	-	53	-	-
% Pedestrians	-	-	-	97.0	-	-	-	-	96.6	-	-	-	-	100.0	-	-	-	-	98.1	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU340
 NE

Count Name: TMC_22
 Division & Catherine_11-19-19
 Site Code: TMC_22
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:30 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU340
 NE

Count Name: TMC_22
 Division & Catherine_11-19-19
 Site Code: TMC_22
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:45 AM)

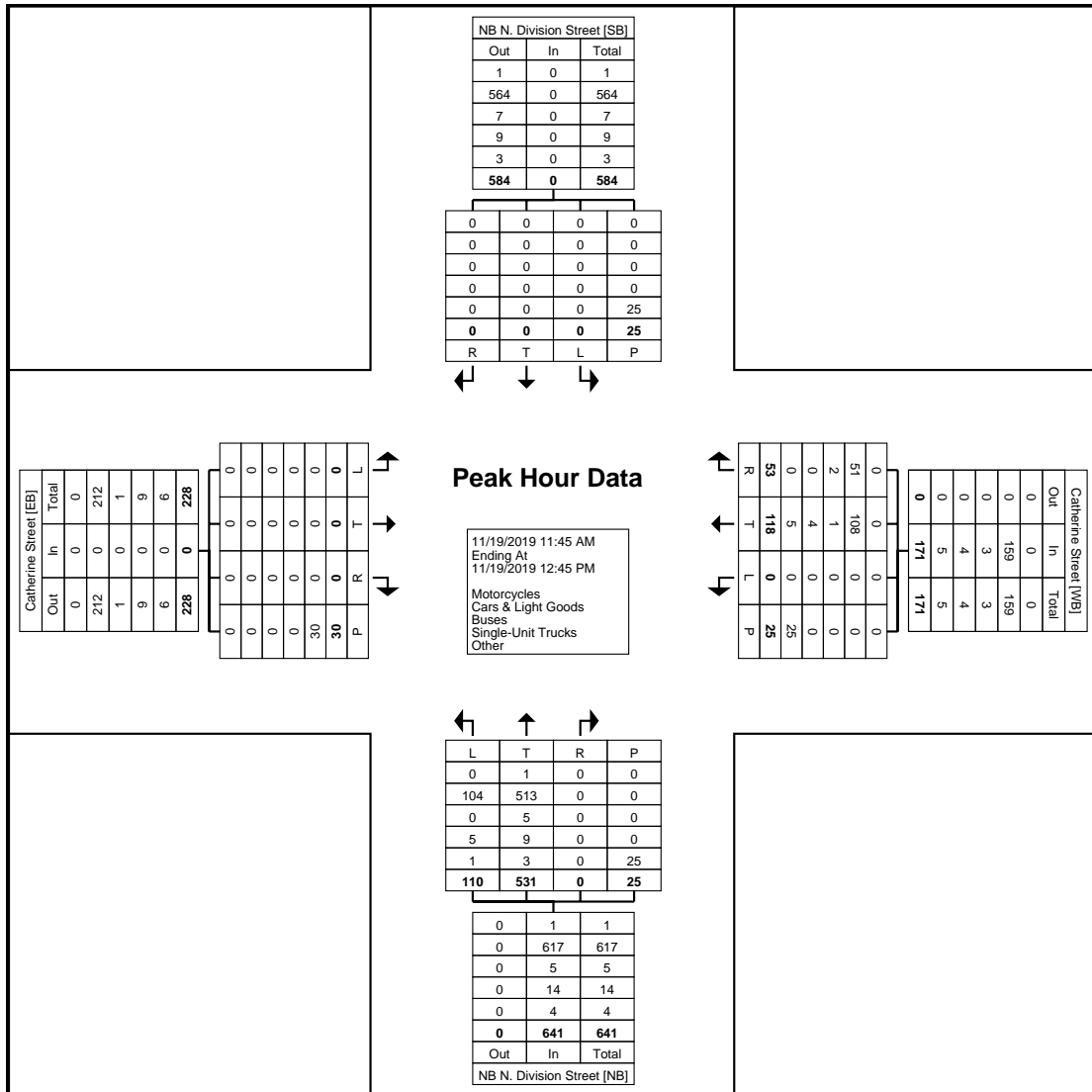
Start Time	NB N. Division Street Southbound					Catherine Street Westbound					NB N. Division Street Northbound					Catherine Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
11:45 AM	0	0	0	5	0	15	33	0	5	48	0	124	29	4	153	0	0	0	9	0	201
12:00 PM	0	0	0	11	0	12	39	0	10	51	0	136	27	8	163	0	0	0	8	0	214
12:15 PM	0	0	0	5	0	10	28	0	4	38	0	129	28	8	157	0	0	0	9	0	195
12:30 PM	0	0	0	4	0	16	18	0	6	34	0	142	26	5	168	0	0	0	4	0	202
Total	0	0	0	25	0	53	118	0	25	171	0	531	110	25	641	0	0	0	30	0	812
Approach %	0.0	0.0	0.0	-	-	31.0	69.0	0.0	-	-	0.0	82.8	17.2	-	-	0.0	0.0	0.0	-	-	-
Total %	0.0	0.0	0.0	-	0.0	6.5	14.5	0.0	-	21.1	0.0	65.4	13.5	-	78.9	0.0	0.0	0.0	-	0.0	-
PHF	0.000	0.000	0.000	-	0.000	0.828	0.756	0.000	-	0.838	0.000	0.935	0.948	-	0.954	0.000	0.000	0.000	-	0.000	0.949
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	1
% Motorcycles	-	-	-	-	-	0.0	0.0	-	-	0.0	-	0.2	0.0	-	0.2	-	-	-	-	-	0.1
Cars & Light Goods	0	0	0	-	0	51	108	0	-	159	0	513	104	-	617	0	0	0	-	0	776
% Cars & Light Goods	-	-	-	-	-	96.2	91.5	-	-	93.0	-	96.6	94.5	-	96.3	-	-	-	-	-	95.6
Buses	0	0	0	-	0	2	1	0	-	3	0	5	0	-	5	0	0	0	-	0	8
% Buses	-	-	-	-	-	3.8	0.8	-	-	1.8	-	0.9	0.0	-	0.8	-	-	-	-	-	1.0
Single-Unit Trucks	0	0	0	-	0	0	4	0	-	4	0	9	5	-	14	0	0	0	-	0	18
% Single-Unit Trucks	-	-	-	-	-	0.0	3.4	-	-	2.3	-	1.7	4.5	-	2.2	-	-	-	-	-	2.2
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	1
% Articulated Trucks	-	-	-	-	-	0.0	0.0	-	-	0.0	-	0.2	0.0	-	0.2	-	-	-	-	-	0.1
Bicycles on Road	0	0	0	-	0	0	5	0	-	5	0	2	1	-	3	0	0	0	-	0	8
% Bicycles on Road	-	-	-	-	-	0.0	4.2	-	-	2.9	-	0.4	0.9	-	0.5	-	-	-	-	-	1.0
Bicycles on Crosswalk	-	-	-	1	-	-	-	-	2	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	4.0	-	-	-	-	8.0	-	-	-	-	0.0	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	24	-	-	-	-	23	-	-	-	-	25	-	-	-	-	30	-	-
% Pedestrians	-	-	-	96.0	-	-	-	-	92.0	-	-	-	-	100.0	-	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU340
 NE

Count Name: TMC_22
 Division & Catherine_11-19-19
 Site Code: TMC_22
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:45 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Division Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU340
 NE

Count Name: TMC_22
 Division & Catherine_11-19-19
 Site Code: TMC_22
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (5:00 PM)

Start Time	NB N. Division Street Southbound					Catherine Street Westbound					NB N. Division Street Northbound					Catherine Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
5:00 PM	0	0	0	14	0	19	85	0	6	104	0	205	58	4	263	0	0	0	7	0	367
5:15 PM	0	0	0	9	0	18	114	0	15	132	0	209	42	11	251	0	0	0	11	0	383
5:30 PM	0	0	0	7	0	21	93	0	14	114	0	233	36	10	269	0	0	0	6	0	383
5:45 PM	0	0	0	6	0	19	85	0	10	104	0	231	54	3	285	0	0	0	6	0	389
Total	0	0	0	36	0	77	377	0	45	454	0	878	190	28	1068	0	0	0	30	0	1522
Approach %	0.0	0.0	0.0	-	-	17.0	83.0	0.0	-	-	0.0	82.2	17.8	-	-	0.0	0.0	0.0	-	-	-
Total %	0.0	0.0	0.0	-	0.0	5.1	24.8	0.0	-	29.8	0.0	57.7	12.5	-	70.2	0.0	0.0	0.0	-	0.0	-
PHF	0.000	0.000	0.000	-	0.000	0.917	0.827	0.000	-	0.860	0.000	0.942	0.819	-	0.937	0.000	0.000	0.000	-	0.000	0.978
Motorcycles	0	0	0	-	0	0	2	0	-	2	0	0	0	-	0	0	0	0	-	0	2
% Motorcycles	-	-	-	-	-	0.0	0.5	-	-	0.4	-	0.0	0.0	-	0.0	-	-	-	-	-	0.1
Cars & Light Goods	0	0	0	-	0	72	358	0	-	430	0	857	187	-	1044	0	0	0	-	0	1474
% Cars & Light Goods	-	-	-	-	-	93.5	95.0	-	-	94.7	-	97.6	98.4	-	97.8	-	-	-	-	-	96.8
Buses	0	0	0	-	0	3	3	0	-	6	0	15	0	-	15	0	0	0	-	0	21
% Buses	-	-	-	-	-	3.9	0.8	-	-	1.3	-	1.7	0.0	-	1.4	-	-	-	-	-	1.4
Single-Unit Trucks	0	0	0	-	0	0	1	0	-	1	0	0	1	-	1	0	0	0	-	0	2
% Single-Unit Trucks	-	-	-	-	-	0.0	0.3	-	-	0.2	-	0.0	0.5	-	0.1	-	-	-	-	-	0.1
Articulated Trucks	0	0	0	-	0	1	0	0	-	1	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	-	-	-	-	-	1.3	0.0	-	-	0.2	-	0.0	0.0	-	0.0	-	-	-	-	-	0.1
Bicycles on Road	0	0	0	-	0	1	13	0	-	14	0	6	2	-	8	0	0	0	-	0	22
% Bicycles on Road	-	-	-	-	-	1.3	3.4	-	-	3.1	-	0.7	1.1	-	0.7	-	-	-	-	-	1.4
Bicycles on Crosswalk	-	-	-	4	-	-	-	-	4	-	-	-	-	0	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	11.1	-	-	-	-	8.9	-	-	-	-	0.0	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	32	-	-	-	-	41	-	-	-	-	28	-	-	-	-	30	-	-
% Pedestrians	-	-	-	88.9	-	-	-	-	91.1	-	-	-	-	100.0	-	-	-	-	100.0	-	-



Project: Lower Town Area
Mobility Study
Corridor: Division Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU340
NE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_22
Division & Catherine_11-
19-19
Site Code: TMC_22
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Signalized controlled intersection, ped. signals for all quadrants. VCU camera was located within NE intersection quadrant. Catherine St. is off-set at Division St. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_22 Division & Catherine_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728561, Location: 42.283087, -83.743757, Site Code: TMC_22 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound						Catherine Street Westbound						NB N. Division Street Northbound						Catherine Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 6:00AM	0	0	0	0	0	2	0	2	0	0	2	1	0	28	4	0	32	2	0	0	0	0	0	0	34
6:15AM	0	0	0	0	0	2	1	3	0	0	4	0	0	45	5	0	50	1	0	0	0	0	0	1	54
6:30AM	0	0	0	0	0	4	7	3	0	0	10	3	0	58	4	0	62	1	0	0	0	0	0	1	72
6:45AM	0	0	0	0	0	6	5	8	0	0	13	2	0	78	7	0	85	1	0	0	0	0	0	1	98
Hourly Total	0	0	0	0	0	14	13	16	0	0	29	6	0	209	20	0	229	5	0	0	0	0	0	3	258
7:00AM	0	0	0	0	0	5	8	7	0	0	15	12	0	91	10	0	101	2	0	0	0	0	0	5	116
7:15AM	0	0	1	0	1	21	8	18	0	0	26	22	1	135	20	0	156	7	0	0	0	0	0	16	183
7:30AM	0	0	0	0	0	18	17	24	0	0	41	21	0	184	36	0	220	5	0	0	0	0	0	15	261
7:45AM	0	0	0	0	0	21	16	23	0	0	39	17	0	204	23	0	227	5	0	0	0	0	0	20	266
Hourly Total	0	0	1	0	1	65	49	72	0	0	121	72	1	614	89	0	704	19	0	0	0	0	0	56	826
8:00AM	0	0	0	0	0	11	9	20	0	0	29	16	0	202	20	0	222	11	0	0	0	0	0	9	251
8:15AM	0	0	0	0	0	17	17	25	0	0	42	33	0	190	16	0	206	14	0	0	0	0	0	10	248
8:30AM	0	0	0	0	0	10	19	26	0	0	45	9	0	198	17	0	215	8	0	0	0	0	0	13	260
8:45AM	0	0	0	0	0	8	12	23	0	0	35	8	0	157	17	0	174	7	0	0	0	0	0	6	209
Hourly Total	0	0	0	0	0	46	57	94	0	0	151	66	0	747	70	0	817	40	0	0	0	0	0	38	968
9:00AM	0	0	0	0	0	4	14	23	0	0	37	9	1	171	27	0	199	6	0	0	0	0	0	1	236
9:15AM	0	0	0	0	0	1	10	17	0	0	27	12	0	150	25	0	175	6	0	0	0	0	0	6	202
9:30AM	0	0	0	0	0	10	12	17	0	0	29	11	0	108	16	0	124	16	0	0	0	0	0	20	153
9:45AM	0	0	0	0	0	9	13	23	0	0	36	8	0	131	21	0	152	5	0	0	0	0	0	13	188
Hourly Total	0	0	0	0	0	24	49	80	0	0	129	40	1	560	89	0	650	33	0	0	0	0	0	40	779
10:00AM	0	0	0	0	0	10	11	16	0	0	27	9	0	122	13	0	135	11	0	0	0	0	0	6	162
10:15AM	0	0	0	0	0	1	12	17	1	0	30	3	0	121	24	0	145	3	0	0	0	0	0	3	175
10:30AM	0	0	0	0	0	4	14	12	0	0	26	6	0	120	22	0	142	3	0	0	0	0	0	1	168
10:45AM	0	0	0	0	0	4	9	17	0	0	26	6	0	98	19	0	117	4	0	0	0	0	0	3	143
Hourly Total	0	0	0	0	0	19	46	62	1	0	109	24	0	461	78	0	539	21	0	0	0	0	0	13	648
11:00AM	0	1	0	0	1	6	10	16	0	0	26	9	0	108	21	0	129	7	0	0	0	0	0	12	156
11:15AM	0	0	0	0	0	6	10	22	0	0	32	7	0	133	24	0	157	7	0	0	0	0	0	9	189
11:30AM	0	0	0	0	0	4	15	16	0	0	31	6	0	150	18	0	168	9	0	0	0	0	0	6	199
11:45AM	0	0	0	0	0	5	15	33	0	0	48	5	0	124	29	0	153	4	0	0	0	0	0	9	201
Hourly Total	0	1	0	0	1	21	50	87	0	0	137	27	0	515	92	0	607	27	0	0	0	0	0	36	745
12:00PM	0	0	0	0	0	11	12	39	0	0	51	10	0	136	27	0	163	8	0	0	0	0	0	8	214
12:15PM	0	0	0	0	0	5	10	28	0	0	38	4	0	129	28	0	157	8	0	0	0	0	0	9	195
12:30PM	0	0	0	0	0	4	16	18	0	0	34	6	0	142	26	0	168	5	0	0	0	0	0	4	202
12:45PM	0	0	0	0	0	4	11	24	0	0	35	10	0	133	20	0	153	8	0	0	0	0	0	7	188
Hourly Total	0	0	0	0	0	24	49	109	0	0	158	30	0	540	101	0	641	29	0	0	0	0	0	28	799
1:00PM	0	0	0	0	0	3	22	27	0	0	49	4	0	121	31	0	152	1	0	0	0	0	0	8	201
1:15PM	0	0	0	0	0	5	13	29	0	0	42	7	0	126	23	0	149	9	0	0	0	0	0	1	191
1:30PM	0	0	0	0	0	5	13	26	0	0	39	8	0	120	35	0	155	10	0	0	0	0	0	11	194
1:45PM	0	0	0	0	0	6	10	41	0	0	51	5	0	117	25	0	142	7	0	0	0	0	0	7	193
Hourly Total	0	0	0	0	0	19	58	123	0	0	181	24	0	484	114	0	598	27	0	0	0	0	0	27	779
2:00PM	0	0	0	0	0	6	9	40	0	0	49	4	0	121	28	0	149	3	0	0	0	0	0	5	198
2:15PM	0	0	0	0	0	3	7	26	0	0	33	6	0	164	25	0	189	5	0	0	0	0	0	5	222
2:30PM	0	0	0	0	0	8	16	43	0	0	59	9	0	162	30	0	192	8	0	0	0	0	0	8	251
2:45PM	0	0	0	0	0	6	12	45	0	0	57	8	0	145	29	0	174	6	0	0	0	0	0	4	231
Hourly Total	0	0	0	0	0	23	44	154	0	0	198	27	0	592	112	0	704	22	0	0	0	0	0	22	902
3:00PM	0	0	0	0	0	11	13	61	0	0	74	7	0	186	39	0	225	7	0	0	0	0	0	4	299
3:15PM	0	0	0	0	0	8	12	62	0	0	74	3	0	166	46	0	212	6	0	0	0	0	0	10	286
3:30PM	0	0	0	0	0	7	14	88	0	0	102	5	0	171	57	0	228	4	0	0	0	0	0	8	330
3:45PM	0	0	0	0	0	8	11	96	0	0	107	5	0	158	30	0	188	4	0	0	0	0	0	3	295
Hourly Total	0	0	0	0	0	34	50	307	0	0	357	20	0	681	172	0	853	21	0	0	0	0	0	25	1210
4:00PM	0	0	0	0	0	8	13	103	0	0	116	8	0	193	37	0	230	7	0	0	0	0	0	13	346
4:15PM	0	0	0	0	0	9	15	100	0	0	115	11	0	219	53	0	272	6	0	0	0	0	0	5	387
4:30PM	0	0	0	0	0	3	16	98	0	0	114	9	0	218	53	0	271	6	0	0	0	0	0	4	385
4:45PM	0	0	0	1	1	1	12	111	0	0	123	13	0	201	35	0	236	12	0	0	0	0	0	8	360
Hourly Total	0	0	0	1	1	21	56	412	0	0	468	41	0	831	178	0	1009	31	0	0	0	0	0	30	1478
5:00PM	0	0	0	0	0	14	19	85	0	0	104	6	0	205	58	0	263	4	0	0	0	0	0	7	367
5:15PM	0	0	0	0	0	9	18	114	0	0	132	15	0	209	42	0	251	11	0	0	0	0	0	11	383
5:30PM	0	0	0	0	0	7	21	93	0	0	114	14	0	233	36	0	269	10	0	0	0	0	0	6	383
5:45PM	0	0	0	0	0	6	19	85	0	0	104	10	0	231	54	0	285	3	0	0	0	0	0	6	389
Hourly Total	0	0	0	0	0	36	77	377	0	0	454	45	0	878	190	0	1068	28	0	0	0	0	0	30	1522
6:00PM	0	0	0	0	0	4	14	63	0	0	77	13	0	171	38	0	209	7	0	0	0	0	0	0	286
6:15PM	0	0	0	0	0	12	11	46	0	0	57	14	0	174	30	0	204	5	0	0	0	0	0	9	261
6:30PM	0	0	0	0	0	3	8	48	0	0	56	8	0	153	33	0	186	10	0	0	0	0	0	2	242
6:45PM	0	0	0	0	0	2	10	47	0	0	57	9	0	168	30	0	198	5	0	0	0	0	0	4	255
Hourly Total	0	0	0	0	0	21	43	204	0	0	247	44	0	666	131	0	797	27	0	0	0				

Leg Direction	NB N. Division Street Southbound							Catherine Street Westbound							NB N. Division Street Northbound							Catherine Street Eastbound							
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int				
Total	0	1	1	1	3	367	641	2097	1	0	2739	466	2	7778	1436	0	9216	330	0	0	0	0	0	363	11958				
% Approach	0%	33.3%	33.3%	33.3%	-	-	23.4%	76.6%	0%	0%	-	-	0%	84.4%	15.6%	0%	-	-	0%	0%	0%	0%	-	-	-				
% Total	0%	0%	0%	0%	0%	-	5.4%	17.5%	0%	0%	22.9%	-	0%	65.0%	12.0%	0%	77.1%	-	0%	0%	0%	0%	0%	-	-				
Motorcycles	0	0	0	0	0	-	1	4	0	0	5	-	0	6	2	0	8	-	0	0	0	0	0	-	13				
% Motorcycles	0%	0%	0%	0%	0%	-	0.2%	0.2%	0%	0%	0.2%	-	0%	0.1%	0.1%	0%	0.1%	-	0%	0%	0%	0%	-	-	0.1%				
Lights	0	0	0	1	1	-	599	2010	0	0	2609	-	1	7506	1387	0	8894	-	0	0	0	0	0	-	11504				
% Lights	0%	0%	0%	100%	33.3%	-	93.4%	95.9%	0%	0%	95.3%	-	50.0%	96.5%	96.6%	0%	96.5%	-	0%	0%	0%	0%	-	-	96.2%				
Single-Unit Trucks	0	0	0	0	0	-	6	18	0	0	24	-	0	93	31	0	124	-	0	0	0	0	0	-	148				
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0.9%	0.9%	0%	0%	0.9%	-	0%	1.2%	2.2%	0%	1.3%	-	0%	0%	0%	0%	-	-	1.2%				
Articulated Trucks	0	0	0	0	0	-	1	1	0	0	2	-	0	10	5	0	15	-	0	0	0	0	0	-	17				
% Articulated Trucks	0%	0%	0%	0%	0%	-	0.2%	0%	0%	0%	0.1%	-	0%	0.1%	0.3%	0%	0.2%	-	0%	0%	0%	0%	-	-	0.1%				
Buses	0	0	0	0	0	-	27	10	0	0	37	-	0	129	6	0	135	-	0	0	0	0	0	-	172				
% Buses	0%	0%	0%	0%	0%	-	4.2%	0.5%	0%	0%	1.4%	-	0%	1.7%	0.4%	0%	1.5%	-	0%	0%	0%	0%	-	-	1.4%				
Bicycles on Road	0	1	1	0	2	-	7	54	1	0	62	-	1	34	5	0	40	-	0	0	0	0	0	-	104				
% Bicycles on Road	0%	100%	100%	0%	66.7%	-	1.1%	2.6%	100%	0%	2.3%	-	50.0%	0.4%	0.3%	0%	0.4%	-	0%	0%	0%	0%	-	-	0.9%				
Pedestrians	-	-	-	-	-	352	-	-	-	-	-	441	-	-	-	-	-	322	-	-	-	-	-	355					
% Pedestrians	-	-	-	-	-	-95.9%	-	-	-	-	-	-94.6%	-	-	-	-	-	-97.6%	-	-	-	-	-	-97.8%	-				
Bicycles on Crosswalk	-	-	-	-	-	15	-	-	-	-	-	25	-	-	-	-	-	8	-	-	-	-	-	8					
% Bicycles on Crosswalk	-	-	-	-	-	4.1%	-	-	-	-	-	5.4%	-	-	-	-	-	2.4%	-	-	-	-	-	2.2%	-				

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_22 Division & Catherine_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728561, Location: 42.283087, -83.743757, Site Code: TMC_22 Traffic Data Collection, LLC



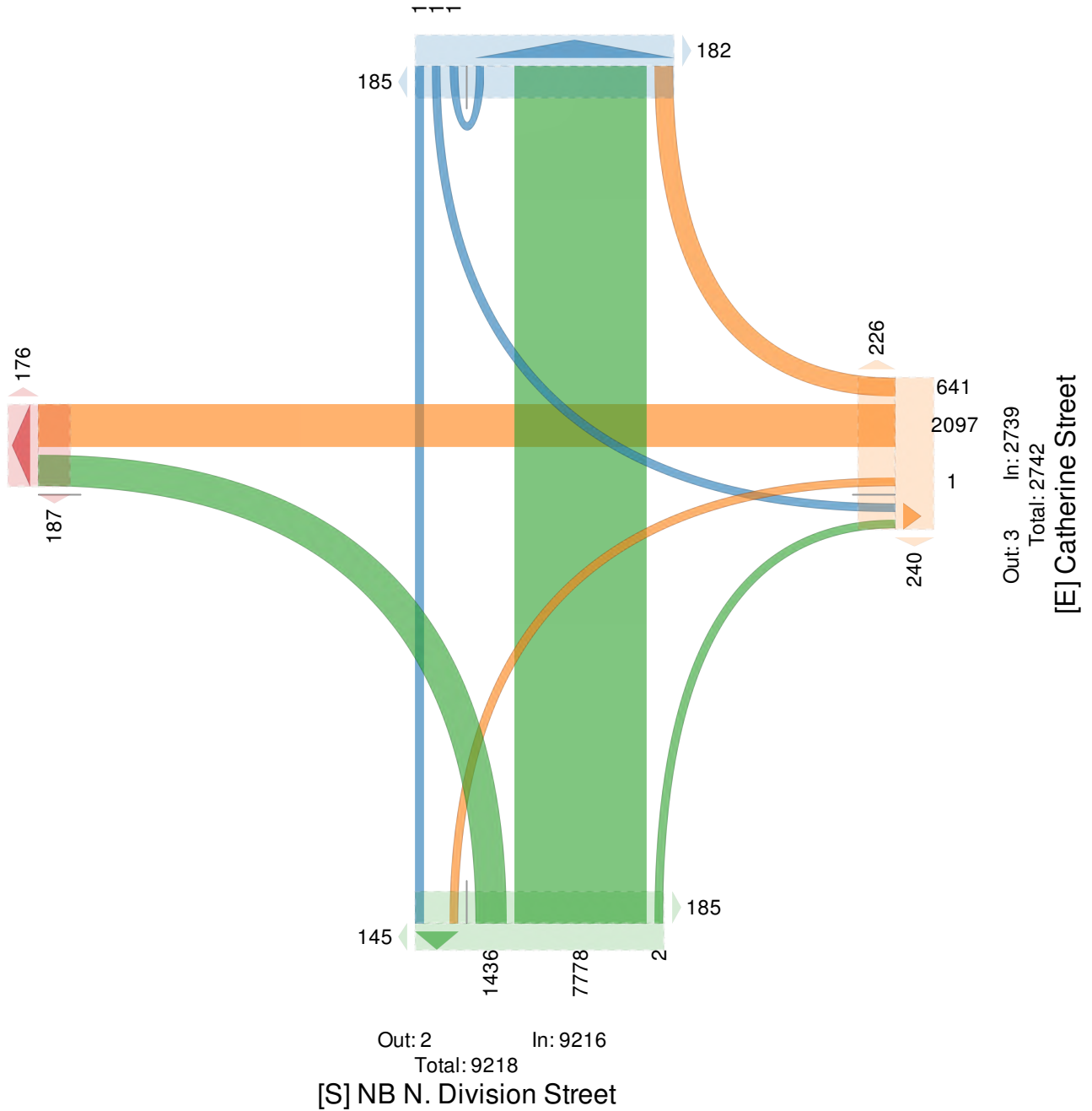
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

Total: 8423
In: 3 Out: 8420

[W] Catherine Street

Total: 3533
In: 0 Out: 3533



TMC_22 Division & Catherine_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728561, Location: 42.283087, -83.743757, Site Code: TMC_22 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound						Catherine Street Westbound						NB N. Division Street Northbound						Catherine Street Eastbound						Int
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 7:45AM	0	0	0	0	0	21	16	23	0	0	39	17	0	204	23	0	227	5	0	0	0	0	0	20	266
8:00AM	0	0	0	0	0	11	9	20	0	0	29	16	0	202	20	0	222	11	0	0	0	0	0	9	251
8:15AM	0	0	0	0	0	17	17	25	0	0	42	33	0	190	16	0	206	14	0	0	0	0	0	10	248
8:30AM	0	0	0	0	0	10	19	26	0	0	45	9	0	198	17	0	215	8	0	0	0	0	0	13	260
Total	0	0	0	0	0	59	61	94	0	0	155	75	0	794	76	0	870	38	0	0	0	0	0	52	1025
% Approach	0%	0%	0%	0%	0%	-	39.4%	60.6%	0%	0%	0%	-	0%	91.3%	8.7%	0%	0%	-	0%	0%	0%	0%	0%	-	-
% Total	0%	0%	0%	0%	0%	0%	6.0%	9.2%	0%	0%	15.1%	0%	0%	77.5%	7.4%	0%	84.9%	0%	0%	0%	0%	0%	0%	0%	-
PHF	-	-	-	-	-	-	0.803	0.894	-	-	0.856	-	-	0.972	0.826	-	0.957	-	-	-	-	-	-	-	0.961
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	2
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.2%
Lights	0	0	0	0	0	-	58	92	0	0	150	-	0	772	73	0	845	-	0	0	0	0	0	-	995
% Lights	0%	0%	0%	0%	0%	-	95.1%	97.9%	0%	0%	96.8%	0%	0%	97.2%	96.1%	0%	97.1%	0%	0%	0%	0%	0%	0%	-	97.1%
Single-Unit Trucks	0	0	0	0	0	-	0	1	0	0	1	-	0	8	1	0	9	-	0	0	0	0	0	-	10
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	1.1%	0%	0%	0.6%	0%	0%	1.0%	1.3%	0%	1.0%	0%	0%	0%	0%	0%	0%	-	1.0%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	1	0	1	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	0%	1.3%	0%	0.1%	0%	0%	0%	0%	0%	0%	-	0.1%
Buses	0	0	0	0	0	-	3	0	0	0	3	-	0	11	1	0	12	-	0	0	0	0	0	-	15
% Buses	0%	0%	0%	0%	0%	-	4.9%	0%	0%	0%	1.9%	0%	0%	1.4%	1.3%	0%	1.4%	0%	0%	0%	0%	0%	0%	-	1.5%
Bicycles on Road	0	0	0	0	0	-	0	1	0	0	1	-	0	1	0	0	1	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	1.1%	0%	0%	0.6%	0%	0%	0.1%	0%	0%	0.1%	0%	0%	0%	0%	0%	0%	-	0.2%
Pedestrians	-	-	-	-	-	58	-	-	-	-	-	73	-	-	-	-	-	38	-	-	-	-	-	51	
% Pedestrians	-	-	-	-	-	98.3%	-	-	-	-	-	97.3%	-	-	-	-	-	100%	-	-	-	-	-	98.1%	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	1	
% Bicycles on Crosswalk	-	-	-	-	-	1.7%	-	-	-	-	-	2.7%	-	-	-	-	-	0%	-	-	-	-	-	1.9%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_22 Division & Catherine_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728561, Location: 42.283087, -83.743757, Site Code: TMC_22 Traffic Data Collection, LLC



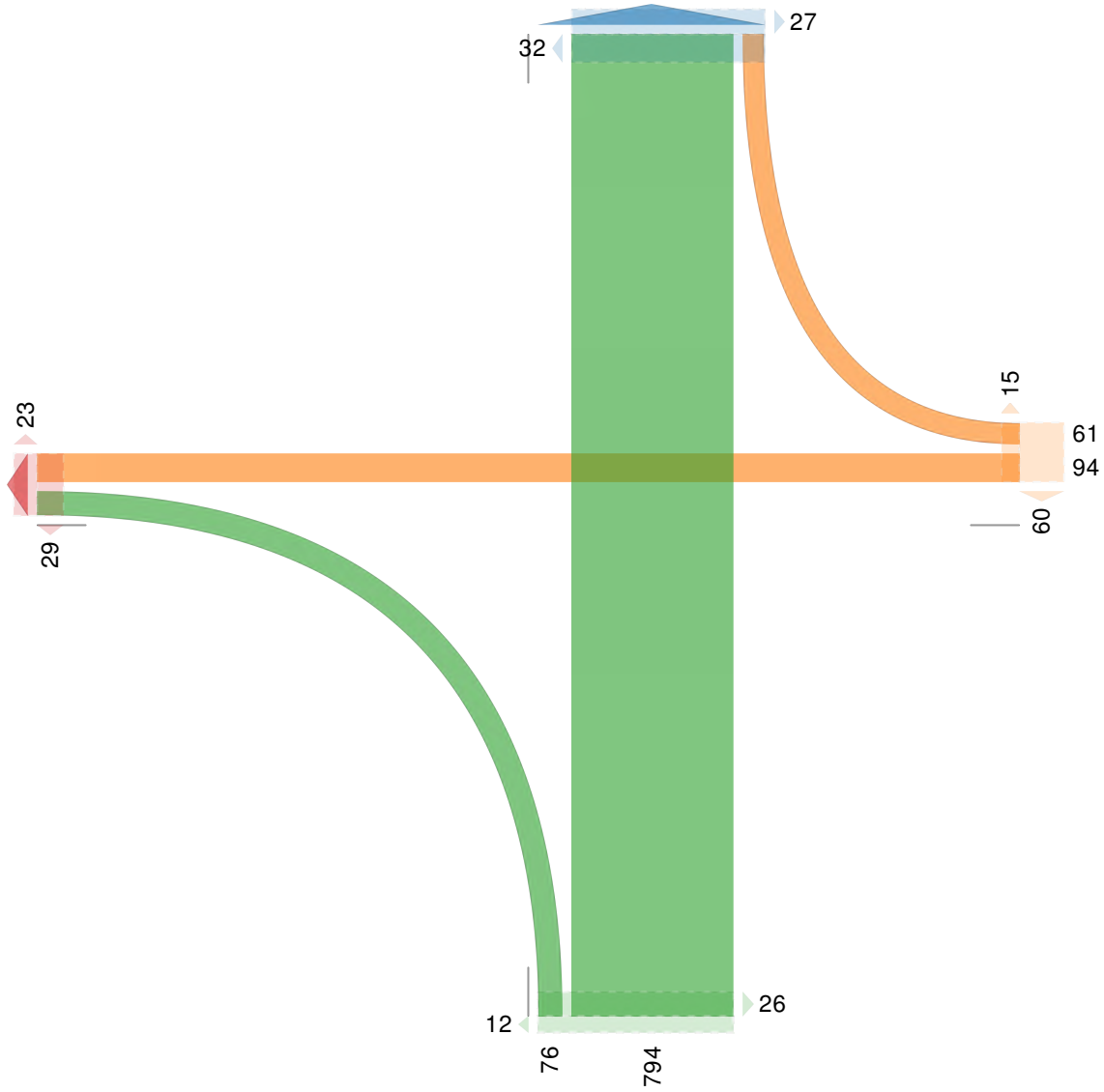
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

Total: 855
In: 0 Out: 855

[W] Catherine Street

Total: 170
In: 0 Out: 170



Out: 0 In: 155
Total: 155
[E] Catherine Street

Out: 0 In: 870
Total: 870
[S] NB N. Division Street

TMC_22 Division & Catherine_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728561, Location: 42.283087, -83.743757, Site Code: TMC_22 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound						Catherine Street Westbound						NB N. Division Street Northbound						Catherine Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 11:45AM	0	0	0	0	0	5	15	33	0	0	48	5	0	124	29	0	153	4	0	0	0	0	0	9	201
12:00PM	0	0	0	0	0	11	12	39	0	0	51	10	0	136	27	0	163	8	0	0	0	0	0	8	214
12:15PM	0	0	0	0	0	5	10	28	0	0	38	4	0	129	28	0	157	8	0	0	0	0	0	9	195
12:30PM	0	0	0	0	0	4	16	18	0	0	34	6	0	142	26	0	168	5	0	0	0	0	0	4	202
Total	0	0	0	0	0	25	53	118	0	0	171	25	0	531	110	0	641	25	0	0	0	0	0	30	812
% Approach	0%	0%	0%	0%	0%	-	31.0%	69.0%	0%	0%	0%	-	0%	82.8%	17.2%	0%	0%	-	0%	0%	0%	0%	0%	-	-
% Total	0%	0%	0%	0%	0%	0%	6.5%	14.5%	0%	0%	21.1%	0%	65.4%	13.5%	0%	78.9%	0%	0%	0%	0%	0%	0%	-		
PHF	-	-	-	-	-	-	0.828	0.764	-	-	0.847	-	0.931	0.940	-	0.955	-	-	-	-	-	-	0.953		
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	1
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	0%	0%	0%	0%	0%	-	0.1%	
Lights	0	0	0	0	0	-	51	108	0	0	159	-	0	513	104	0	617	-	0	0	0	0	0	-	776
% Lights	0%	0%	0%	0%	0%	-	96.2%	91.5%	0%	0%	93.0%	0%	96.6%	94.5%	0%	96.3%	0%	0%	0%	0%	0%	-	95.6%		
Single-Unit Trucks	0	0	0	0	0	-	0	4	0	0	4	-	0	9	5	0	14	-	0	0	0	0	0	-	18
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	3.4%	0%	0%	2.3%	0%	1.7%	4.5%	0%	2.2%	0%	0%	0%	0%	0%	-	2.2%		
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	0%	0%	0%	0%	0%	-	0.1%	
Buses	0	0	0	0	0	-	2	1	0	0	3	-	0	5	0	0	5	-	0	0	0	0	0	-	8
% Buses	0%	0%	0%	0%	0%	-	3.8%	0.8%	0%	0%	1.8%	0%	0.9%	0%	0%	0.8%	0%	0%	0%	0%	0%	-	1.0%		
Bicycles on Road	0	0	0	0	0	-	0	5	0	0	5	-	0	2	1	0	3	-	0	0	0	0	0	-	8
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	4.2%	0%	0%	2.9%	0%	0.4%	0.9%	0%	0.5%	0%	0%	0%	0%	0%	-	1.0%		
Pedestrians	-	-	-	-	-	24	-	-	-	-	-	23	-	-	-	-	-	25	-	-	-	-	-	30	
% Pedestrians	-	-	-	-	-	-96.0%	-	-	-	-	-	-92.0%	-	-	-	-	-	-100%	-	-	-	-	-	-100%	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	4.0%	-	-	-	-	-	8.0%	-	-	-	-	-	0%	-	-	-	-	-	0%	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_22 Division & Catherine_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728561, Location: 42.283087, -83.743757, Site Code: TMC_22 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

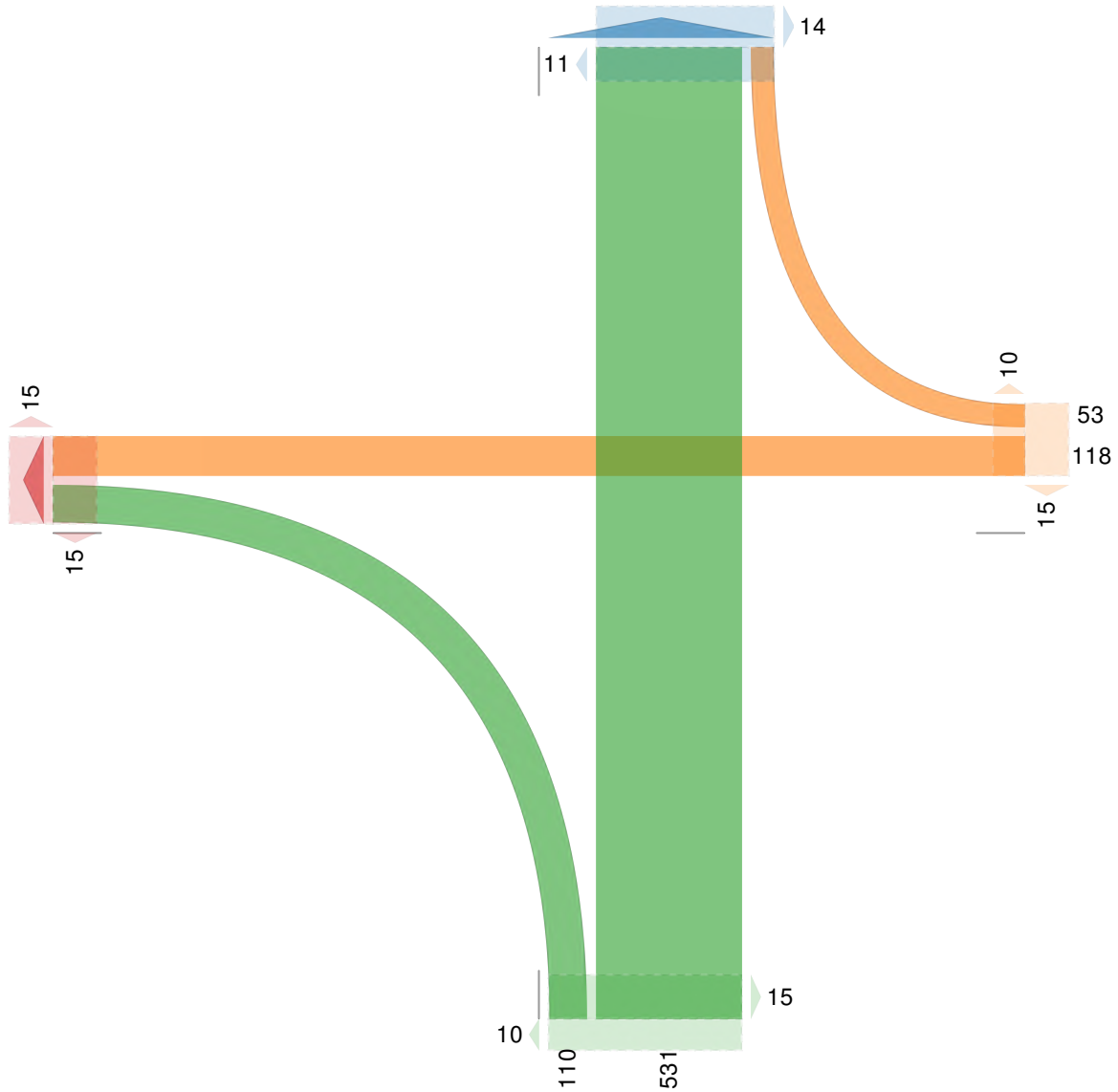
[N] NB N. Division Street

Total: 584

In: 0 Out: 584

[W] Catherine Street

Total: 228
In: 0 Out: 228



Out: 0 In: 171
Total: 171
[E] Catherine Street

Out: 0 In: 641
Total: 641

[S] NB N. Division Street

TMC_22 Division & Catherine_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728561, Location: 42.283087, -83.743757, Site Code: TMC_22 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	NB N. Division Street Southbound						Catherine Street Westbound						NB N. Division Street Northbound						Catherine Street Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 5:00PM	0	0	0	0	0	14	19	85	0	0	104	6	0	205	58	0	263	4	0	0	0	0	0	7	367
5:15PM	0	0	0	0	0	9	18	114	0	0	132	15	0	209	42	0	251	11	0	0	0	0	0	11	383
5:30PM	0	0	0	0	0	7	21	93	0	0	114	14	0	233	36	0	269	10	0	0	0	0	0	6	383
5:45PM	0	0	0	0	0	6	19	85	0	0	104	10	0	231	54	0	285	3	0	0	0	0	0	6	389
Total	0	0	0	0	0	36	77	377	0	0	454	45	0	878	190	0	1068	28	0	0	0	0	0	30	1522
% Approach	0%	0%	0%	0%	0%	-	17.0%	83.0%	0%	0%	-	-	0%	82.2%	17.8%	0%	-	-	0%	0%	0%	0%	0%	-	-
% Total	0%	0%	0%	0%	0%	-	5.1%	24.8%	0%	0%	29.8%	-	0%	57.7%	12.5%	0%	70.2%	-	0%	0%	0%	0%	0%	-	-
PHF	-	-	-	-	-	-	0.905	0.827	-	-	0.866	-	-	0.948	0.825	-	0.936	-	-	-	-	-	-	-	0.977
Motorcycles	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	0	0	0	0	0	-	2
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0.5%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Lights	0	0	0	0	0	-	72	358	0	0	430	-	0	857	187	0	1044	-	0	0	0	0	0	-	1474
% Lights	0%	0%	0%	0%	0%	-	93.5%	95.0%	0%	0%	94.7%	-	0%	97.6%	98.4%	0%	97.8%	-	0%	0%	0%	0%	0%	-	96.8%
Single-Unit Trucks	0	0	0	0	0	-	0	1	0	0	1	-	0	0	1	0	1	-	0	0	0	0	0	-	2
% Single-Unit Trucks	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.2%	-	0%	0%	0.5%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.1%
Articulated Trucks	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	1.3%	0%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	0	0	0	0	-	3	3	0	0	6	-	0	15	0	0	15	-	0	0	0	0	0	-	21
% Buses	0%	0%	0%	0%	0%	-	3.9%	0.8%	0%	0%	1.3%	-	0%	1.7%	0%	0%	1.4%	-	0%	0%	0%	0%	0%	-	1.4%
Bicycles on Road	0	0	0	0	0	-	1	13	0	0	14	-	0	6	2	0	8	-	0	0	0	0	0	-	22
% Bicycles on Road	0%	0%	0%	0%	0%	-	1.3%	3.4%	0%	0%	3.1%	-	0%	0.7%	1.1%	0%	0.7%	-	0%	0%	0%	0%	0%	-	1.4%
Pedestrians	-	-	-	-	-	32	-	-	-	-	-	41	-	-	-	-	-	28	-	-	-	-	-	30	
% Pedestrians	-	-	-	-	-	88.9%	-	-	-	-	-	91.1%	-	-	-	-	-	100%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	4	-	-	-	-	-	4	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	11.1%	-	-	-	-	-	8.9%	-	-	-	-	-	0%	-	-	-	-	-	0%	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_22 Division & Catherine_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728561, Location: 42.283087, -83.743757, Site Code: TMC_22 Traffic Data Collection, LLC



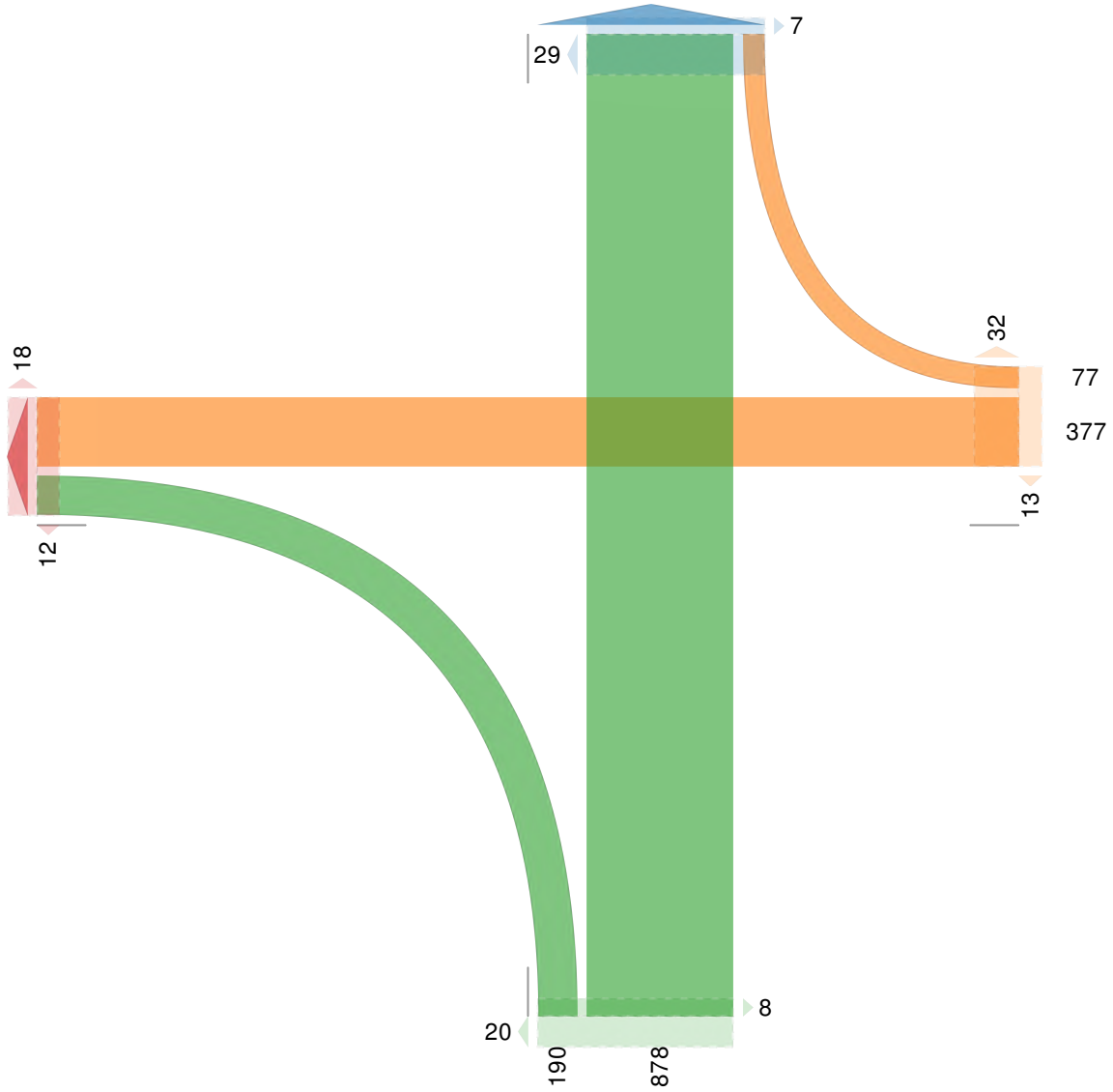
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] NB N. Division Street

Total: 955
In: 0 Out: 955

[W] Catherine Street

Total: 567
In: 0 Out: 567



[E] Catherine Street

Out: 0 In: 454
Total: 454

[S] SB S. Division Street

Out: 0 In: 1068
Total: 1068



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1TM
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_23
 Canal N & Wall_11-19-19
 Site Code: TMC_23
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Wall Street Southbound					Wall Street Northbound				Canal Street (N) Eastbound				Int. Total
	Right	Thru	Left	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
6:00 AM	3	20	0	0	23	0	2	0	2	0	1	0	1	26
6:15 AM	12	26	0	0	38	0	4	0	4	1	1	1	2	44
6:30 AM	18	31	0	0	49	0	4	0	4	1	0	2	1	54
6:45 AM	18	36	0	0	54	1	9	0	10	0	0	3	0	64
Hourly Total	51	113	0	0	164	1	19	0	20	2	2	6	4	188
7:00 AM	17	57	0	2	74	0	5	2	5	1	1	5	2	81
7:15 AM	35	70	0	4	105	3	13	0	16	0	0	8	0	121
7:30 AM	24	52	1	2	77	4	14	0	18	0	1	8	1	96
7:45 AM	23	105	0	5	128	1	12	1	13	1	1	18	2	143
Hourly Total	99	284	1	13	384	8	44	3	52	2	3	39	5	441
8:00 AM	14	64	0	0	78	3	8	0	11	3	2	3	5	94
8:15 AM	6	94	1	1	101	2	2	1	4	4	1	4	5	110
8:30 AM	10	71	0	2	81	6	3	0	9	13	17	3	30	120
8:45 AM	9	86	0	5	95	7	7	4	14	10	5	13	15	124
Hourly Total	39	315	1	8	355	18	20	5	38	30	25	23	55	448
9:00 AM	9	38	0	4	47	12	5	0	17	4	4	8	8	72
9:15 AM	6	34	0	2	40	10	8	0	18	6	1	6	7	65
9:30 AM	9	26	0	3	35	5	12	0	17	6	4	6	10	62
9:45 AM	7	26	0	1	33	3	13	0	16	17	13	2	30	79
Hourly Total	31	124	0	10	155	30	38	0	68	33	22	22	55	278
10:00 AM	7	26	0	2	33	9	10	1	19	15	7	5	22	74
10:15 AM	6	27	0	1	33	13	8	1	21	9	4	5	13	67
10:30 AM	8	21	0	1	29	9	6	0	15	9	6	2	15	59
10:45 AM	7	13	0	2	20	8	8	0	16	12	4	6	16	52
Hourly Total	28	87	0	6	115	39	32	2	71	45	21	18	66	252
11:00 AM	7	12	0	0	19	11	6	0	17	7	4	5	11	47
11:15 AM	8	18	0	1	26	16	3	1	19	4	4	2	8	53
11:30 AM	4	7	0	2	11	10	4	0	14	4	5	4	9	34
11:45 AM	10	16	0	0	26	8	3	0	11	7	5	2	12	49
Hourly Total	29	53	0	3	82	45	16	1	61	22	18	13	40	183
12:00 PM	4	10	0	0	14	9	2	0	11	2	5	3	7	32
12:15 PM	5	17	0	2	22	12	3	0	15	0	2	10	2	39
12:30 PM	4	17	0	1	21	9	5	0	14	5	4	5	9	44
12:45 PM	8	23	0	0	31	11	5	0	16	7	1	5	8	55
Hourly Total	21	67	0	3	88	41	15	0	56	14	12	23	26	170
1:00 PM	2	17	1	0	20	6	2	1	8	5	1	2	6	34
1:15 PM	6	18	0	3	24	10	2	0	12	1	1	7	2	38
1:30 PM	5	21	0	1	26	14	5	0	19	6	5	7	11	56
1:45 PM	3	19	0	1	22	9	5	0	14	4	6	3	10	46
Hourly Total	16	75	1	5	92	39	14	1	53	16	13	19	29	174
2:00 PM	2	20	0	3	22	12	1	1	13	3	8	7	11	46
2:15 PM	7	19	0	2	26	10	4	0	14	1	3	4	4	44
2:30 PM	7	26	0	2	33	8	8	0	16	2	11	7	13	62
2:45 PM	5	23	0	3	28	8	9	0	17	11	13	8	24	69
Hourly Total	21	88	0	10	109	38	22	1	60	17	35	26	52	221
3:00 PM	2	15	0	0	17	14	3	2	17	2	8	2	10	44
3:15 PM	5	22	0	1	27	14	2	1	16	4	14	4	18	61
3:30 PM	2	21	0	1	23	22	1	0	23	3	13	3	16	62
3:45 PM	2	15	1	2	18	17	2	0	19	2	12	4	14	51
Hourly Total	11	73	1	4	85	67	8	3	75	11	47	13	58	218
4:00 PM	2	11	0	3	13	19	1	4	20	6	15	8	21	54
4:15 PM	1	9	0	3	10	19	1	0	20	4	10	9	14	44
4:30 PM	2	13	0	5	15	25	2	2	27	9	17	15	26	68
4:45 PM	0	21	0	3	21	29	3	0	32	9	10	6	19	72
Hourly Total	5	54	0	14	59	92	7	6	99	28	52	38	80	238
5:00 PM	4	14	0	4	18	20	1	1	21	14	4	14	18	57
5:15 PM	1	12	1	3	14	20	1	0	21	8	11	5	19	54

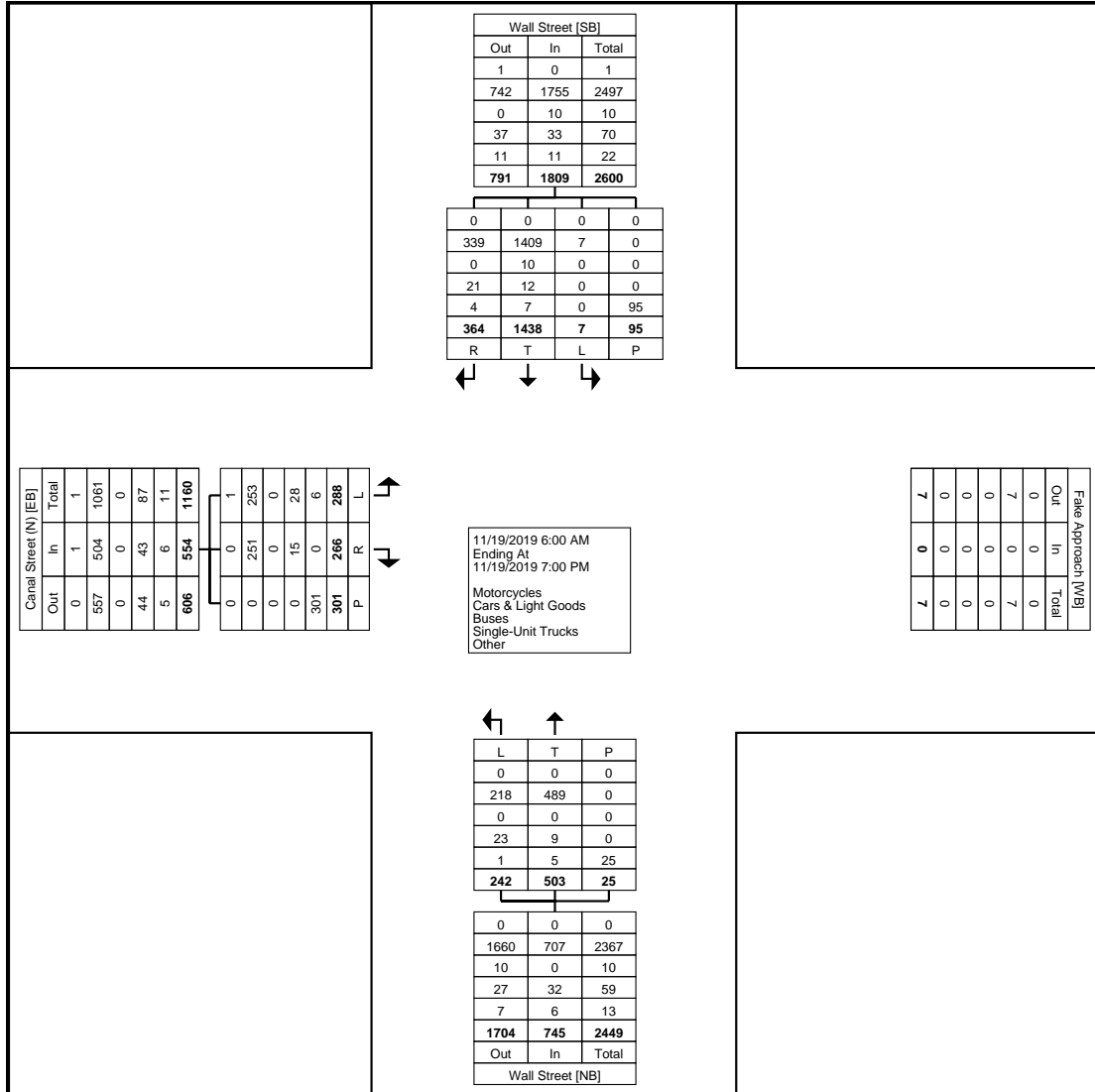
5:30 PM	1	15	2	4	18	13	2	1	15	4	8	9	12	45
5:45 PM	1	14	0	1	15	11	1	1	12	5	2	9	7	34
Hourly Total	7	55	3	12	65	64	5	3	69	31	25	37	56	190
6:00 PM	4	10	0	2	14	4	1	0	5	4	4	7	8	27
6:15 PM	0	20	0	3	20	9	1	0	10	5	3	7	8	38
6:30 PM	1	12	0	0	13	5	0	0	5	4	4	3	8	26
6:45 PM	1	8	0	2	9	3	0	0	3	2	2	7	4	16
Hourly Total	6	50	0	7	56	21	2	0	23	15	13	24	28	107
Grand Total	364	1438	7	95	1809	503	242	25	745	266	288	301	554	3108
Approach %	20.1	79.5	0.4	-	-	67.5	32.5	-	-	48.0	52.0	-	-	-
Total %	11.7	46.3	0.2	-	58.2	16.2	7.8	-	24.0	8.6	9.3	-	17.8	-
Motorcycles	0	0	0	-	0	0	0	-	0	0	1	-	1	1
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.3	-	0.2	0.0
Cars & Light Goods	339	1409	7	-	1755	489	218	-	707	251	253	-	504	2966
% Cars & Light Goods	93.1	98.0	100.0	-	97.0	97.2	90.1	-	94.9	94.4	87.8	-	91.0	95.4
Buses	0	10	0	-	10	0	0	-	0	0	0	-	0	10
% Buses	0.0	0.7	0.0	-	0.6	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.3
Single-Unit Trucks	21	12	0	-	33	9	23	-	32	15	28	-	43	108
% Single-Unit Trucks	5.8	0.8	0.0	-	1.8	1.8	9.5	-	4.3	5.6	9.7	-	7.8	3.5
Articulated Trucks	4	0	0	-	4	2	0	-	2	0	6	-	6	12
% Articulated Trucks	1.1	0.0	0.0	-	0.2	0.4	0.0	-	0.3	0.0	2.1	-	1.1	0.4
Bicycles on Road	0	7	0	-	7	3	1	-	4	0	0	-	0	11
% Bicycles on Road	0.0	0.5	0.0	-	0.4	0.6	0.4	-	0.5	0.0	0.0	-	0.0	0.4
Bicycles on Crosswalk	-	-	-	0	-	-	-	1	-	-	-	14	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	4.0	-	-	-	4.7	-	-
Pedestrians	-	-	-	95	-	-	-	24	-	-	-	287	-	-
% Pedestrians	-	-	-	100.0	-	-	-	96.0	-	-	-	95.3	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1TM
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_23
 Canal N & Wall_11-19-19
 Site Code: TMC_23
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1TM
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_23
 Canal N & Wall_11-19-19
 Site Code: TMC_23
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:45 AM)

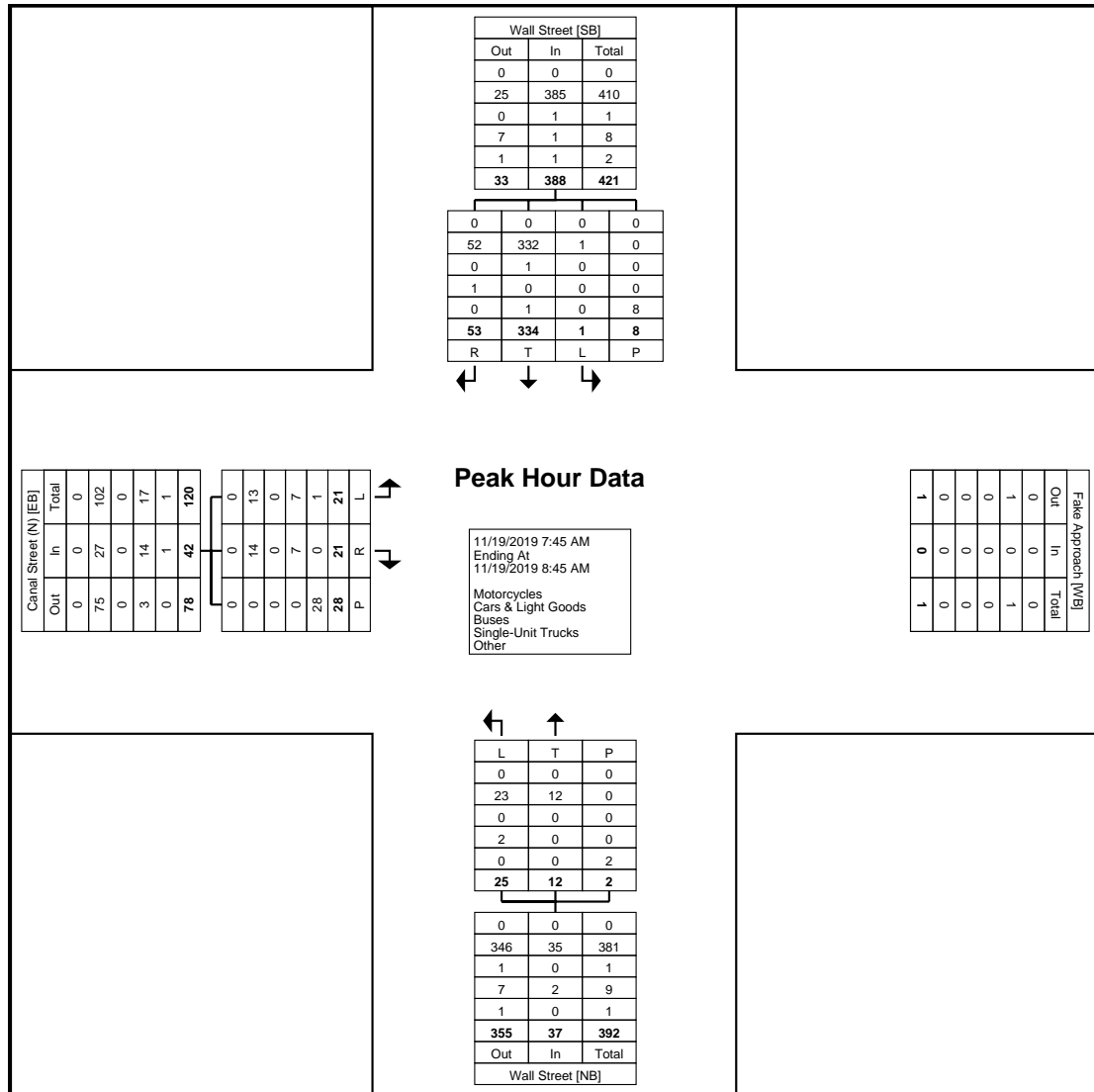
Start Time	Wall Street Southbound					Wall Street Northbound				Canal Street (N) Eastbound				Int. Total
	Right	Thru	Left	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
7:45 AM	23	105	0	5	128	1	12	1	13	1	1	18	2	143
8:00 AM	14	64	0	0	78	3	8	0	11	3	2	3	5	94
8:15 AM	6	94	1	1	101	2	2	1	4	4	1	4	5	110
8:30 AM	10	71	0	2	81	6	3	0	9	13	17	3	30	120
Total	53	334	1	8	388	12	25	2	37	21	21	28	42	467
Approach %	13.7	86.1	0.3	-	-	32.4	67.6	-	-	50.0	50.0	-	-	-
Total %	11.3	71.5	0.2	-	83.1	2.6	5.4	-	7.9	4.5	4.5	-	9.0	-
PHF	0.576	0.795	0.250	-	0.758	0.500	0.521	-	0.712	0.404	0.309	-	0.350	0.816
Motorcycles	0	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	52	332	1	-	385	12	23	-	35	14	13	-	27	447
% Cars & Light Goods	98.1	99.4	100.0	-	99.2	100.0	92.0	-	94.6	66.7	61.9	-	64.3	95.7
Buses	0	1	0	-	1	0	0	-	0	0	0	-	0	1
% Buses	0.0	0.3	0.0	-	0.3	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.2
Single-Unit Trucks	1	0	0	-	1	0	2	-	2	7	7	-	14	17
% Single-Unit Trucks	1.9	0.0	0.0	-	0.3	0.0	8.0	-	5.4	33.3	33.3	-	33.3	3.6
Articulated Trucks	0	0	0	-	0	0	0	-	0	0	1	-	1	1
% Articulated Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	4.8	-	2.4	0.2
Bicycles on Road	0	1	0	-	1	0	0	-	0	0	0	-	0	1
% Bicycles on Road	0.0	0.3	0.0	-	0.3	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.2
Bicycles on Crosswalk	-	-	-	0	-	-	-	0	-	-	-	3	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	0.0	-	-	-	10.7	-	-
Pedestrians	-	-	-	8	-	-	-	2	-	-	-	25	-	-
% Pedestrians	-	-	-	100.0	-	-	-	100.0	-	-	-	89.3	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1TM
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_23
 Canal N & Wall_11-19-19
 Site Code: TMC_23
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:45 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1TM
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_23
 Canal N & Wall_11-19-19
 Site Code: TMC_23
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:00 AM)

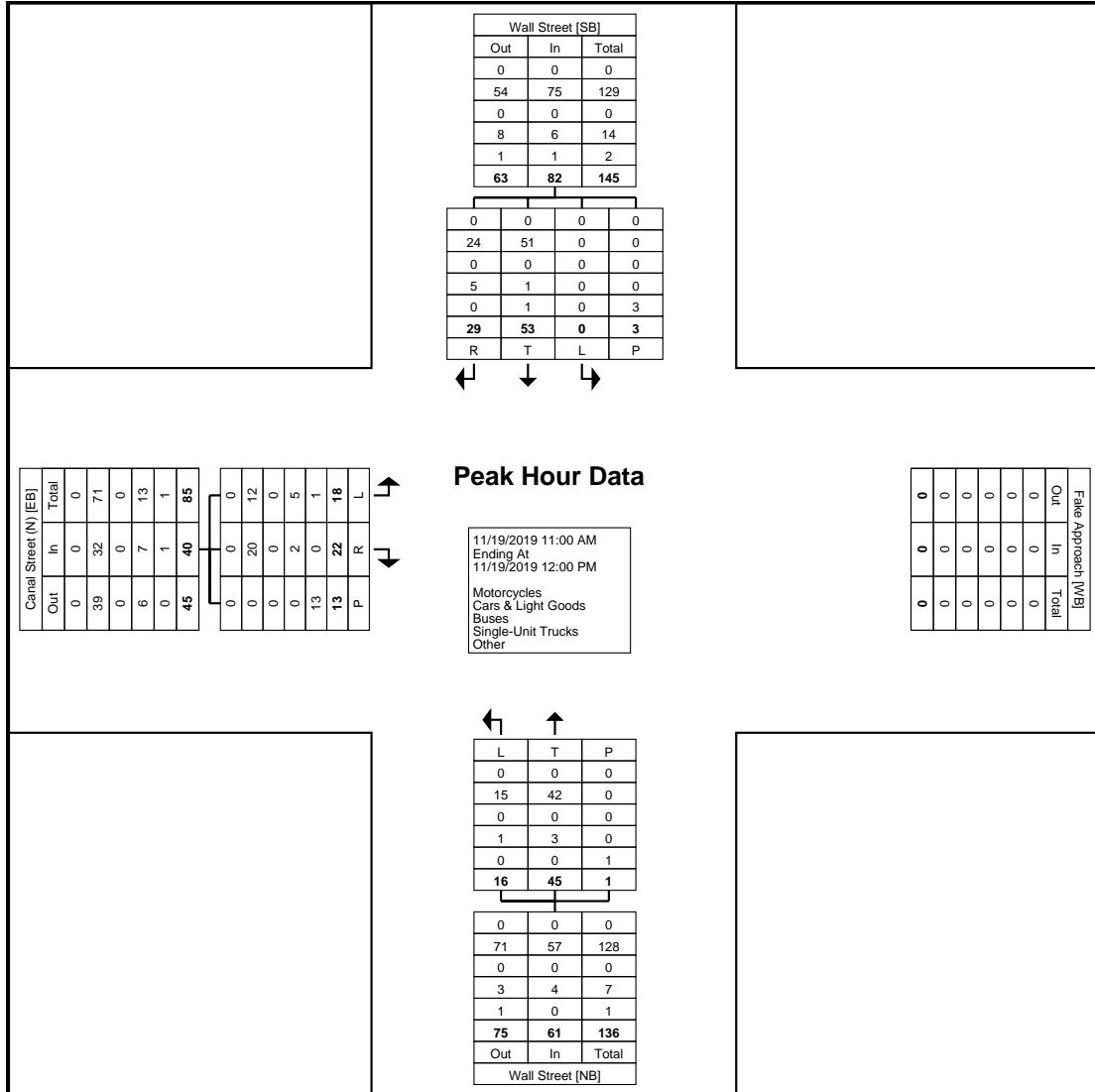
Start Time	Wall Street Southbound					Wall Street Northbound				Canal Street (N) Eastbound				Int. Total
	Right	Thru	Left	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
11:00 AM	7	12	0	0	19	11	6	0	17	7	4	5	11	47
11:15 AM	8	18	0	1	26	16	3	1	19	4	4	2	8	53
11:30 AM	4	7	0	2	11	10	4	0	14	4	5	4	9	34
11:45 AM	10	16	0	0	26	8	3	0	11	7	5	2	12	49
Total	29	53	0	3	82	45	16	1	61	22	18	13	40	183
Approach %	35.4	64.6	0.0	-	-	73.8	26.2	-	-	55.0	45.0	-	-	-
Total %	15.8	29.0	0.0	-	44.8	24.6	8.7	-	33.3	12.0	9.8	-	21.9	-
PHF	0.725	0.736	0.000	-	0.788	0.703	0.667	-	0.803	0.786	0.900	-	0.833	0.863
Motorcycles	0	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	24	51	0	-	75	42	15	-	57	20	12	-	32	164
% Cars & Light Goods	82.8	96.2	-	-	91.5	93.3	93.8	-	93.4	90.9	66.7	-	80.0	89.6
Buses	0	0	0	-	0	0	0	-	0	0	0	-	0	0
% Buses	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Single-Unit Trucks	5	1	0	-	6	3	1	-	4	2	5	-	7	17
% Single-Unit Trucks	17.2	1.9	-	-	7.3	6.7	6.3	-	6.6	9.1	27.8	-	17.5	9.3
Articulated Trucks	0	0	0	-	0	0	0	-	0	0	1	-	1	1
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0	5.6	-	2.5	0.5
Bicycles on Road	0	1	0	-	1	0	0	-	0	0	0	-	0	1
% Bicycles on Road	0.0	1.9	-	-	1.2	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.5
Bicycles on Crosswalk	-	-	-	0	-	-	-	0	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	0.0	-	-	-	7.7	-	-
Pedestrians	-	-	-	3	-	-	-	1	-	-	-	12	-	-
% Pedestrians	-	-	-	100.0	-	-	-	100.0	-	-	-	92.3	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1TM
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_23
 Canal N & Wall_11-19-19
 Site Code: TMC_23
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:00 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1TM
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_23
 Canal N & Wall_11-19-19
 Site Code: TMC_23
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:30 PM)

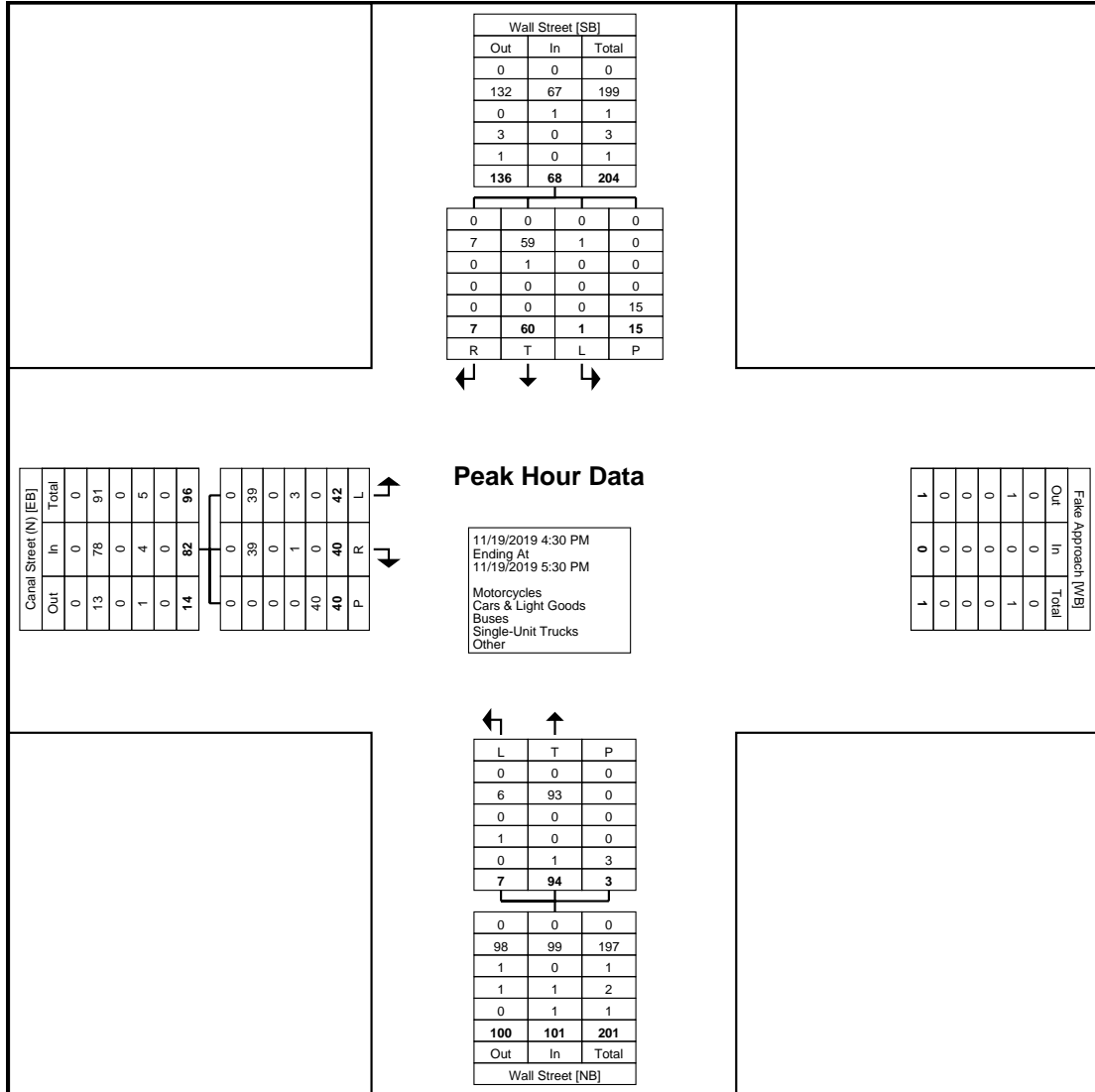
Start Time	Wall Street Southbound					Wall Street Northbound				Canal Street (N) Eastbound				Int. Total
	Right	Thru	Left	Peds	App. Total	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	
4:30 PM	2	13	0	5	15	25	2	2	27	9	17	15	26	68
4:45 PM	0	21	0	3	21	29	3	0	32	9	10	6	19	72
5:00 PM	4	14	0	4	18	20	1	1	21	14	4	14	18	57
5:15 PM	1	12	1	3	14	20	1	0	21	8	11	5	19	54
Total	7	60	1	15	68	94	7	3	101	40	42	40	82	251
Approach %	10.3	88.2	1.5	-	-	93.1	6.9	-	-	48.8	51.2	-	-	-
Total %	2.8	23.9	0.4	-	27.1	37.5	2.8	-	40.2	15.9	16.7	-	32.7	-
PHF	0.438	0.714	0.250	-	0.810	0.810	0.583	-	0.789	0.714	0.618	-	0.788	0.872
Motorcycles	0	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	7	59	1	-	67	93	6	-	99	39	39	-	78	244
% Cars & Light Goods	100.0	98.3	100.0	-	98.5	98.9	85.7	-	98.0	97.5	92.9	-	95.1	97.2
Buses	0	1	0	-	1	0	0	-	0	0	0	-	0	1
% Buses	0.0	1.7	0.0	-	1.5	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.4
Single-Unit Trucks	0	0	0	-	0	0	1	-	1	1	3	-	4	5
% Single-Unit Trucks	0.0	0.0	0.0	-	0.0	0.0	14.3	-	1.0	2.5	7.1	-	4.9	2.0
Articulated Trucks	0	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	1	0	-	1	0	0	-	0	1
% Bicycles on Road	0.0	0.0	0.0	-	0.0	1.1	0.0	-	1.0	0.0	0.0	-	0.0	0.4
Bicycles on Crosswalk	-	-	-	0	-	-	-	0	-	-	-	2	-	-
% Bicycles on Crosswalk	-	-	-	0.0	-	-	-	0.0	-	-	-	5.0	-	-
Pedestrians	-	-	-	15	-	-	-	3	-	-	-	38	-	-
% Pedestrians	-	-	-	100.0	-	-	-	100.0	-	-	-	95.0	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU1TM
 SE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_23
 Canal N & Wall_11-19-19
 Site Code: TMC_23
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:30 PM)



Project: Lower Town Area
Mobility Study
Corridor: Wall Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU1TM
SE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_23
Canal N & Wall_11-19-19
Site Code: TMC_23
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Uncontrolled "T" intersection. VCU camera was located within SE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_23 Canal N & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728563, Location: 42.289109, -83.738353, Site Code: TMC_23 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Wall Street Southbound					Wall Street Northbound					Canal Street (N) Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2019-11-19 6:00AM	3	20	0	23	0	0	2	0	2	0	0	1	0	1	0	26
6:15AM	12	26	0	38	0	0	4	0	4	0	1	1	0	2	1	44
6:30AM	18	31	0	49	0	0	4	0	4	0	1	0	0	1	2	54
6:45AM	18	36	0	54	0	1	9	0	10	0	0	0	0	0	3	64
Hourly Total	51	113	0	164	0	1	19	0	20	0	2	2	0	4	6	188
7:00AM	17	57	0	74	2	0	5	0	5	2	1	1	0	2	5	81
7:15AM	35	70	0	105	4	3	13	0	16	0	0	0	0	0	8	121
7:30AM	24	52	1	77	2	4	14	0	18	0	0	1	0	1	8	96
7:45AM	23	105	0	128	5	1	12	0	13	1	1	1	0	2	18	143
Hourly Total	99	284	1	384	13	8	44	0	52	3	2	3	0	5	39	441
8:00AM	14	64	0	78	0	3	8	0	11	0	3	2	0	5	3	94
8:15AM	6	94	1	101	1	2	2	0	4	1	4	1	0	5	4	110
8:30AM	10	71	0	81	2	6	3	0	9	0	13	17	0	30	3	120
8:45AM	9	86	0	95	5	7	7	0	14	4	10	5	0	15	13	124
Hourly Total	39	315	1	355	8	18	20	0	38	5	30	25	0	55	23	448
9:00AM	9	38	0	47	4	12	5	0	17	0	4	4	0	8	8	72
9:15AM	6	34	0	40	2	10	8	0	18	0	6	1	0	7	6	65
9:30AM	9	26	0	35	3	5	12	0	17	0	6	4	0	10	6	62
9:45AM	7	26	0	33	1	3	12	1	16	0	17	13	0	30	2	79
Hourly Total	31	124	0	155	10	30	37	1	68	0	33	22	0	55	22	278
10:00AM	7	26	0	33	2	9	10	0	19	1	15	7	0	22	5	74
10:15AM	6	27	0	33	1	13	8	0	21	1	9	4	0	13	5	67
10:30AM	8	21	0	29	1	9	6	0	15	0	9	6	0	15	2	59
10:45AM	7	13	0	20	2	8	8	0	16	0	12	4	0	16	6	52
Hourly Total	28	87	0	115	6	39	32	0	71	2	45	21	0	66	18	252
11:00AM	7	12	0	19	0	11	5	1	17	0	7	4	0	11	5	47
11:15AM	8	18	0	26	1	16	3	0	19	1	4	4	0	8	2	53
11:30AM	4	7	0	11	2	10	4	0	14	0	4	5	0	9	4	34
11:45AM	10	16	0	26	0	8	3	0	11	0	7	5	0	12	2	49
Hourly Total	29	53	0	82	3	45	15	1	61	1	22	18	0	40	13	183
12:00PM	4	10	0	14	0	9	2	0	11	0	2	5	0	7	3	32
12:15PM	5	17	0	22	2	12	3	0	15	0	0	2	0	2	10	39
12:30PM	4	17	0	21	1	9	5	0	14	0	5	4	0	9	5	44
12:45PM	8	23	0	31	0	11	5	0	16	0	7	1	0	8	5	55
Hourly Total	21	67	0	88	3	41	15	0	56	0	14	12	0	26	23	170
1:00PM	2	17	1	20	0	6	2	0	8	1	5	1	0	6	2	34
1:15PM	6	18	0	24	3	10	2	0	12	0	1	1	0	2	7	38
1:30PM	5	21	0	26	1	14	5	0	19	0	6	5	0	11	7	56
1:45PM	3	19	0	22	1	9	5	0	14	0	4	6	0	10	3	46
Hourly Total	16	75	1	92	5	39	14	0	53	1	16	13	0	29	19	174
2:00PM	2	20	0	22	3	12	1	0	13	1	3	8	0	11	7	46
2:15PM	7	19	0	26	2	10	4	0	14	0	1	3	0	4	4	44
2:30PM	7	26	0	33	2	8	8	0	16	0	2	11	0	13	7	62
2:45PM	5	23	0	28	3	8	9	0	17	0	11	13	0	24	8	69
Hourly Total	21	88	0	109	10	38	22	0	60	1	17	35	0	52	26	221
3:00PM	2	15	0	17	0	14	3	0	17	2	2	8	0	10	2	44
3:15PM	5	22	0	27	1	14	2	0	16	1	4	14	0	18	4	61
3:30PM	2	21	0	23	1	22	1	0	23	0	3	13	0	16	3	62
3:45PM	2	15	1	18	2	17	2	0	19	0	2	12	0	14	4	51
Hourly Total	11	73	1	85	4	67	8	0	75	3	11	47	0	58	13	218
4:00PM	2	11	0	13	3	19	1	0	20	4	6	15	0	21	8	54
4:15PM	1	9	0	10	3	19	1	0	20	0	4	10	0	14	9	44

Leg Direction	Wall Street Southbound					Wall Street Northbound					Canal Street (N) Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
4:30PM	2	13	0	15	5	25	2	0	27	2	9	17	0	26	15	68
4:45PM	0	21	0	21	3	29	3	0	32	0	9	10	0	19	6	72
Hourly Total	5	54	0	59	14	92	7	0	99	6	28	52	0	80	38	238
5:00PM	4	14	0	18	4	20	1	0	21	1	14	4	0	18	14	57
5:15PM	1	12	1	14	3	20	1	0	21	0	8	11	0	19	5	54
5:30PM	1	15	2	18	4	13	2	0	15	1	4	8	0	12	9	45
5:45PM	1	14	0	15	1	11	1	0	12	1	5	2	0	7	9	34
Hourly Total	7	55	3	65	12	64	5	0	69	3	31	25	0	56	37	190
6:00PM	4	10	0	14	2	4	1	0	5	0	4	4	0	8	7	27
6:15PM	0	20	0	20	3	9	1	0	10	0	5	3	0	8	7	38
6:30PM	1	12	0	13	0	5	0	0	5	0	4	4	0	8	3	26
6:45PM	1	8	0	9	2	3	0	0	3	0	2	2	0	4	7	16
Hourly Total	6	50	0	56	7	21	2	0	23	0	15	13	0	28	24	107
Total	364	1438	7	1809	95	503	240	2	745	25	266	288	0	554	301	3108
% Approach	20.1%	79.5%	0.4%	-	-	67.5%	32.2%	0.3%	-	-	48.0%	52.0%	0%	-	-	-
% Total	11.7%	46.3%	0.2%	58.2%	-	16.2%	7.7%	0.1%	24.0%	-	8.6%	9.3%	0%	17.8%	-	-
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.3%	0%	0.2%	-	0%
Lights	339	1409	7	1755	-	489	216	2	707	-	251	253	0	504	-	2966
% Lights	93.1%	98.0%	100%	97.0%	-	97.2%	90.0%	100%	94.9%	-	94.4%	87.8%	0%	91.0%	-	95.4%
Single-Unit Trucks	21	12	0	33	-	9	23	0	32	-	15	28	0	43	-	108
% Single-Unit Trucks	5.8%	0.8%	0%	1.8%	-	1.8%	9.6%	0%	4.3%	-	5.6%	9.7%	0%	7.8%	-	3.5%
Articulated Trucks	4	0	0	4	-	2	0	0	2	-	0	6	0	6	-	12
% Articulated Trucks	1.1%	0%	0%	0.2%	-	0.4%	0%	0%	0.3%	-	0%	2.1%	0%	1.1%	-	0.4%
Buses	0	10	0	10	-	0	0	0	0	-	0	0	0	0	-	10
% Buses	0%	0.7%	0%	0.6%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.3%
Bicycles on Road	0	7	0	7	-	3	1	0	4	-	0	0	0	0	-	11
% Bicycles on Road	0%	0.5%	0%	0.4%	-	0.6%	0.4%	0%	0.5%	-	0%	0%	0%	0%	-	0.4%
Pedestrians	-	-	-	-	95	-	-	-	-	24	-	-	-	-	287	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	96.0%	-	-	-	-	95.3%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	1	-	-	-	-	14	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	4.0%	-	-	-	-	4.7%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_23 Canal N & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

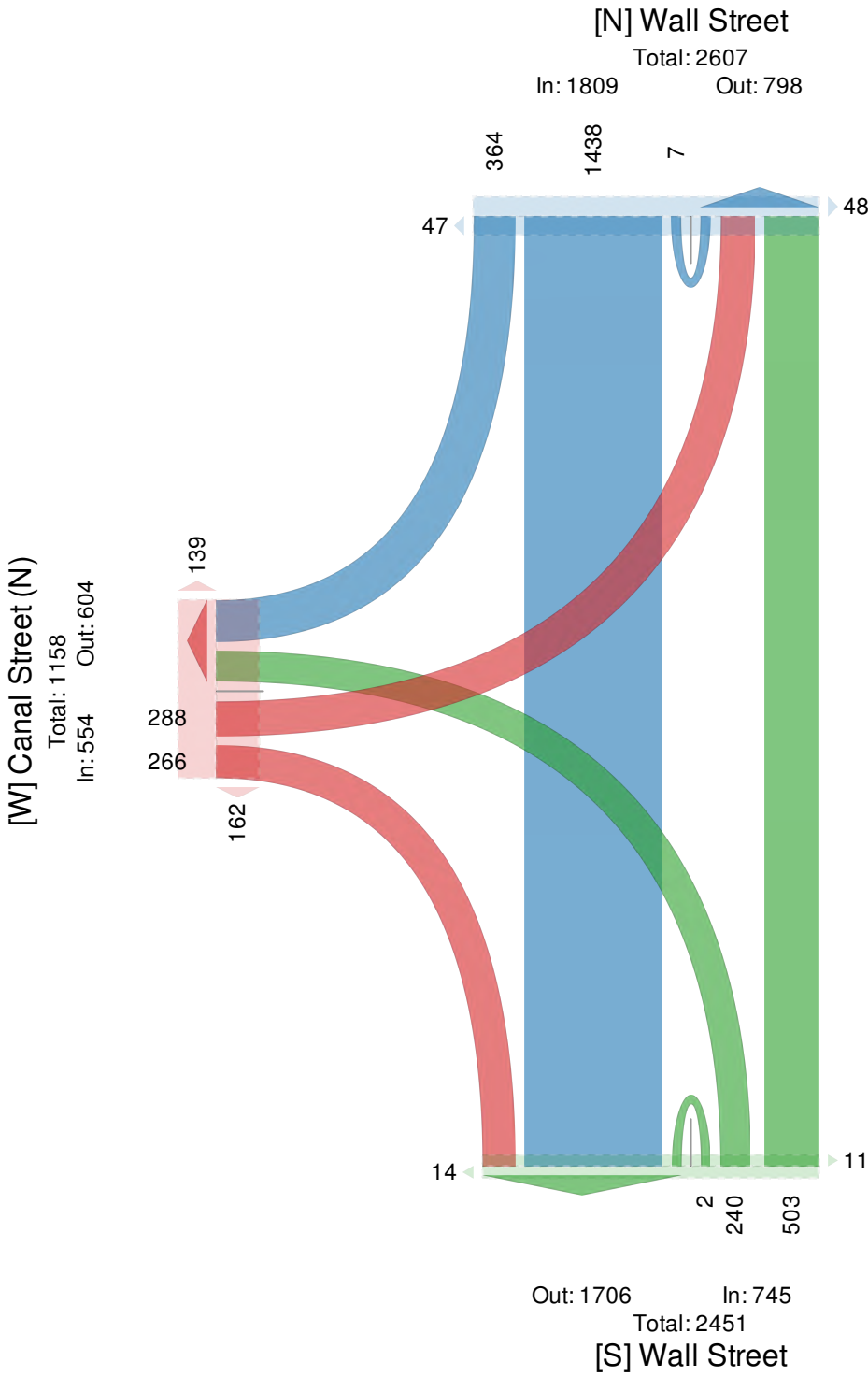
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728563, Location: 42.289109, -83.738353, Site Code: TMC_23 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_23 Canal N & Wall_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728563, Location: 42.289109, -83.738353, Site Code: TMC_23 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Wall Street Southbound					Wall Street Northbound					Canal Street (N) Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
Time																
2019-11-19 7:45AM	23	105	0	128	5	1	12	0	13	1	1	1	0	2	18	143
8:00AM	14	64	0	78	0	3	8	0	11	0	3	2	0	5	3	94
8:15AM	6	94	1	101	1	2	2	0	4	1	4	1	0	5	4	110
8:30AM	10	71	0	81	2	6	3	0	9	0	13	17	0	30	3	120
Total	53	334	1	388	8	12	25	0	37	2	21	21	0	42	28	467
% Approach	13.7%	86.1%	0.3%	-	-	32.4%	67.6%	0%	-	-	50.0%	50.0%	0%	-	-	-
% Total	11.3%	71.5%	0.2%	83.1%	-	2.6%	5.4%	0%	7.9%	-	4.5%	4.5%	0%	9.0%	-	-
PHF	0.576	0.800	0.250	0.762	-	0.500	0.521	-	0.712	-	0.404	0.309	-	0.350	-	0.820
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	52	332	1	385	-	12	23	0	35	-	14	13	0	27	-	447
% Lights	98.1%	99.4%	100%	99.2%	-	100%	92.0%	0%	94.6%	-	66.7%	61.9%	0%	64.3%	-	95.7%
Single-Unit Trucks	1	0	0	1	-	0	2	0	2	-	7	7	0	14	-	17
% Single-Unit Trucks	1.9%	0%	0%	0.3%	-	0%	8.0%	0%	5.4%	-	33.3%	33.3%	0%	33.3%	-	3.6%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	4.8%	0%	2.4%	-	0.2%
Buses	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Buses	0%	0.3%	0%	0.3%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.2%
Bicycles on Road	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Bicycles on Road	0%	0.3%	0%	0.3%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.2%
Pedestrians	-	-	-	-	8	-	-	-	-	2	-	-	-	-	25	
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	89.3%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	3	
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	10.7%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_23 Canal N & Wall_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:45 AM - 8:45 AM) - Overall Peak Hour

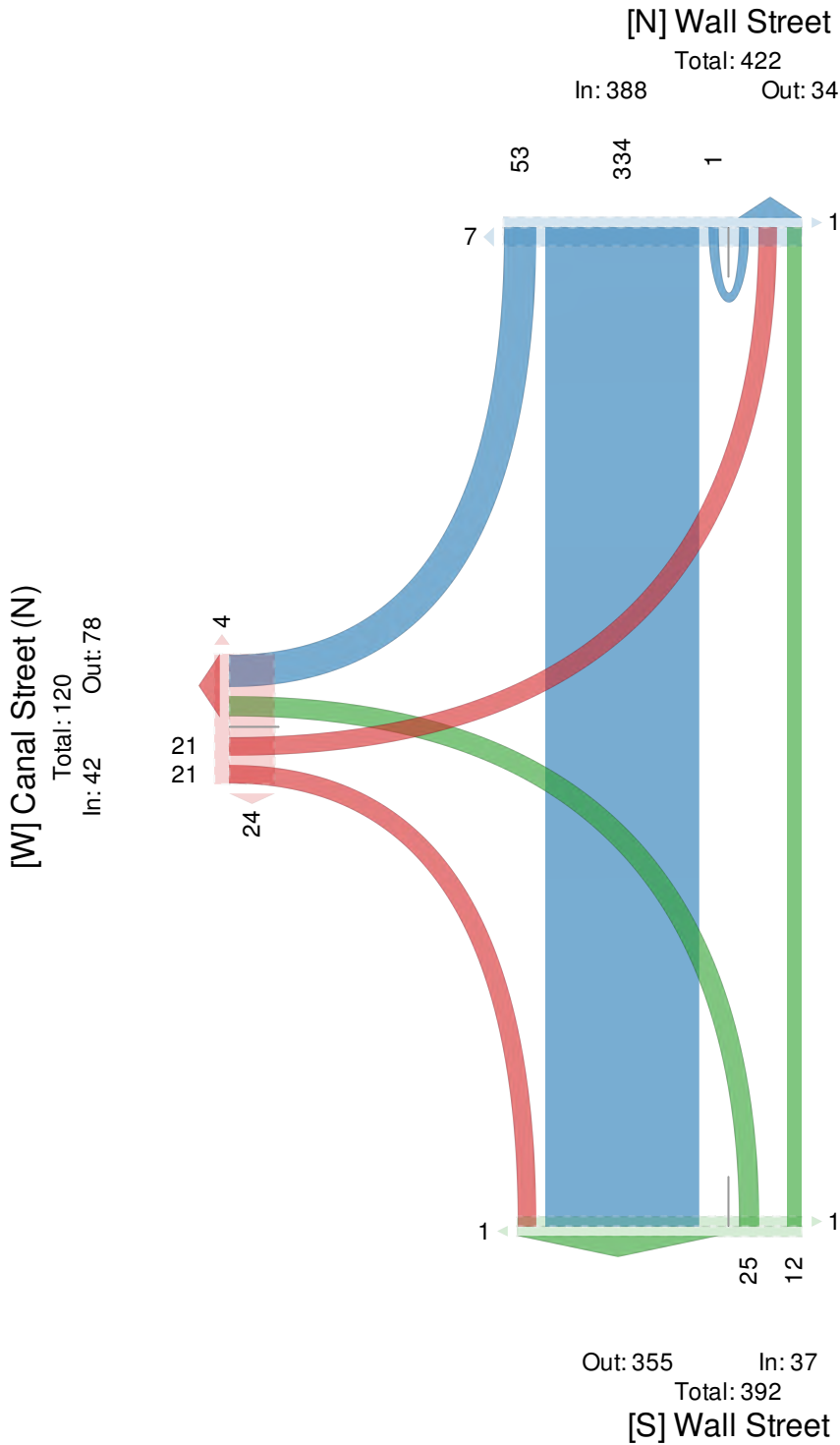
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728563, Location: 42.289109, -83.738353, Site Code: TMC_23 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_23 Canal N & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11 AM - 12 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728563, Location: 42.289109, -83.738353, Site Code: TMC_23 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Wall Street Southbound					Wall Street Northbound					Canal Street (N) Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2019-11-19 11:00AM	7	12	0	19	0	11	5	1	17	0	7	4	0	11	5	47
11:15AM	8	18	0	26	1	16	3	0	19	1	4	4	0	8	2	53
11:30AM	4	7	0	11	2	10	4	0	14	0	4	5	0	9	4	34
11:45AM	10	16	0	26	0	8	3	0	11	0	7	5	0	12	2	49
Total	29	53	0	82	3	45	15	1	61	1	22	18	0	40	13	183
% Approach	35.4%	64.6%	0%	-	-	73.8%	24.6%	1.6%	-	-	55.0%	45.0%	0%	-	-	-
% Total	15.8%	29.0%	0%	44.8%	-	24.6%	8.2%	0.5%	33.3%	-	12.0%	9.8%	0%	21.9%	-	-
PHF	0.725	0.765	-	0.779	-	0.703	0.750	0.250	0.803	-	0.786	0.900	-	0.833	-	0.875
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	24	51	0	75	-	42	14	1	57	-	20	12	0	32	-	164
% Lights	82.8%	96.2%	0%	91.5%	-	93.3%	93.3%	100%	93.4%	-	90.9%	66.7%	0%	80.0%	-	89.6%
Single-Unit Trucks	5	1	0	6	-	3	1	0	4	-	2	5	0	7	-	17
% Single-Unit Trucks	17.2%	1.9%	0%	7.3%	-	6.7%	6.7%	0%	6.6%	-	9.1%	27.8%	0%	17.5%	-	9.3%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	5.6%	0%	2.5%	-	0.5%
Buses	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Buses	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Bicycles on Road	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Bicycles on Road	0%	1.9%	0%	1.2%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.5%
Pedestrians	-	-	-	-	3	-	-	-	-	1	-	-	-	-	12	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	92.3%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	1	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	7.7%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_23 Canal N & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11 AM - 12 PM)

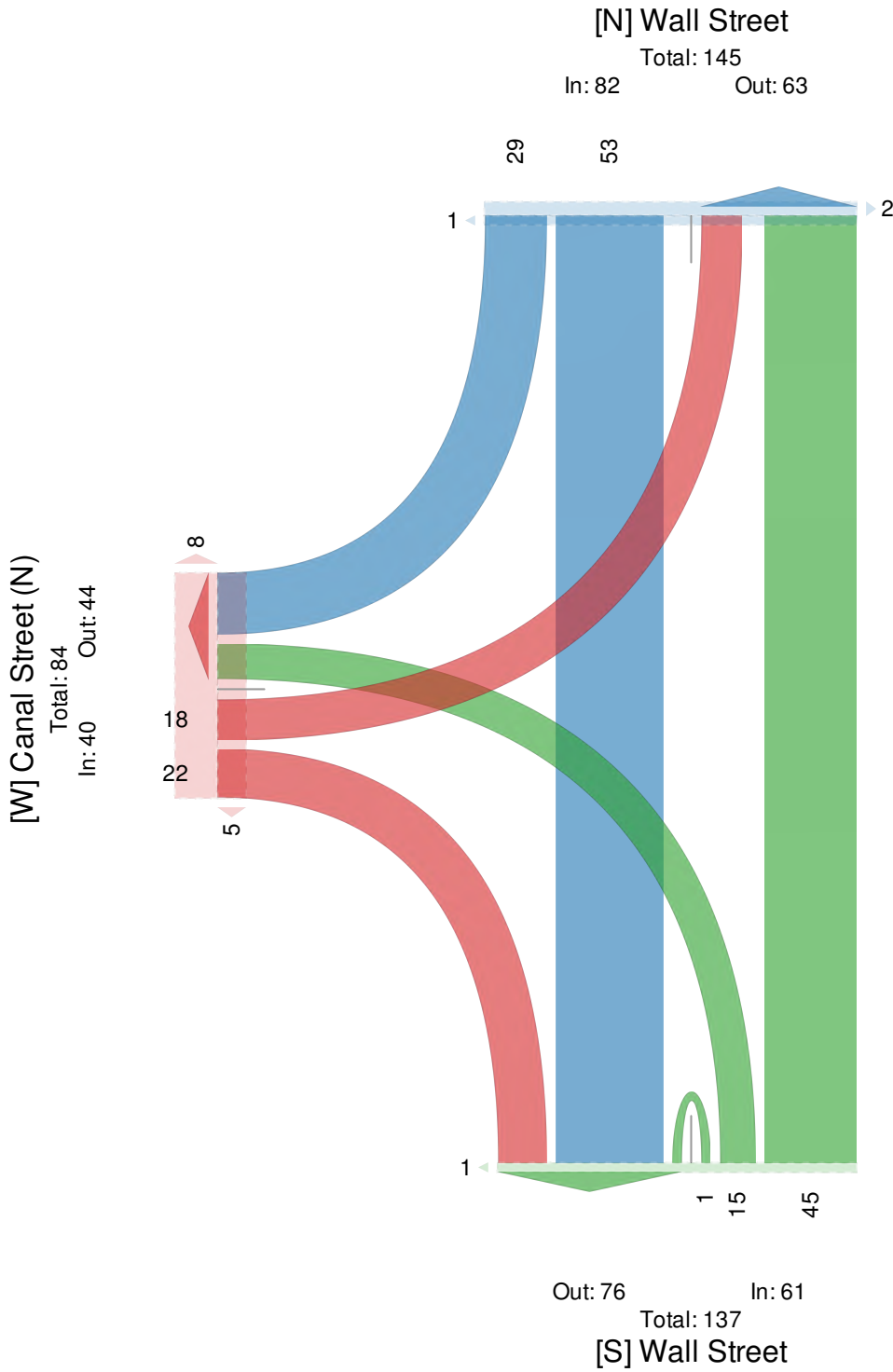
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728563, Location: 42.289109, -83.738353, Site Code: TMC_23 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_23 Canal N & Wall_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728563, Location: 42.289109, -83.738353, Site Code: TMC_23 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Wall Street Southbound					Wall Street Northbound					Canal Street (N) Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
Time																
2019-11-19 4:30PM	2	13	0	15	5	25	2	0	27	2	9	17	0	26	15	68
4:45PM	0	21	0	21	3	29	3	0	32	0	9	10	0	19	6	72
5:00PM	4	14	0	18	4	20	1	0	21	1	14	4	0	18	14	57
5:15PM	1	12	1	14	3	20	1	0	21	0	8	11	0	19	5	54
Total	7	60	1	68	15	94	7	0	101	3	40	42	0	82	40	251
% Approach	10.3%	88.2%	1.5%	-	-	93.1%	6.9%	0%	-	-	48.8%	51.2%	0%	-	-	-
% Total	2.8%	23.9%	0.4%	27.1%	-	37.5%	2.8%	0%	40.2%	-	15.9%	16.7%	0%	32.7%	-	-
PHF	0.438	0.714	0.250	0.810	-	0.830	0.583	-	0.806	-	0.714	0.618	-	0.788	-	0.880
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	7	59	1	67	-	93	6	0	99	-	39	39	0	78	-	244
% Lights	100%	98.3%	100%	98.5%	-	98.9%	85.7%	0%	98.0%	-	97.5%	92.9%	0%	95.1%	-	97.2%
Single-Unit Trucks	0	0	0	0	-	0	1	0	1	-	1	3	0	4	-	5
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	14.3%	0%	1.0%	-	2.5%	7.1%	0%	4.9%	-	2.0%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Buses	0%	1.7%	0%	1.5%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.4%
Bicycles on Road	0	0	0	0	-	1	0	0	1	-	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	-	1.1%	0%	0%	1.0%	-	0%	0%	0%	0%	-	0.4%
Pedestrians	-	-	-	-	15	-	-	-	-	3	-	-	-	-	38	
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	95.0%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	2	
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	5.0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_23 Canal N & Wall_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM)

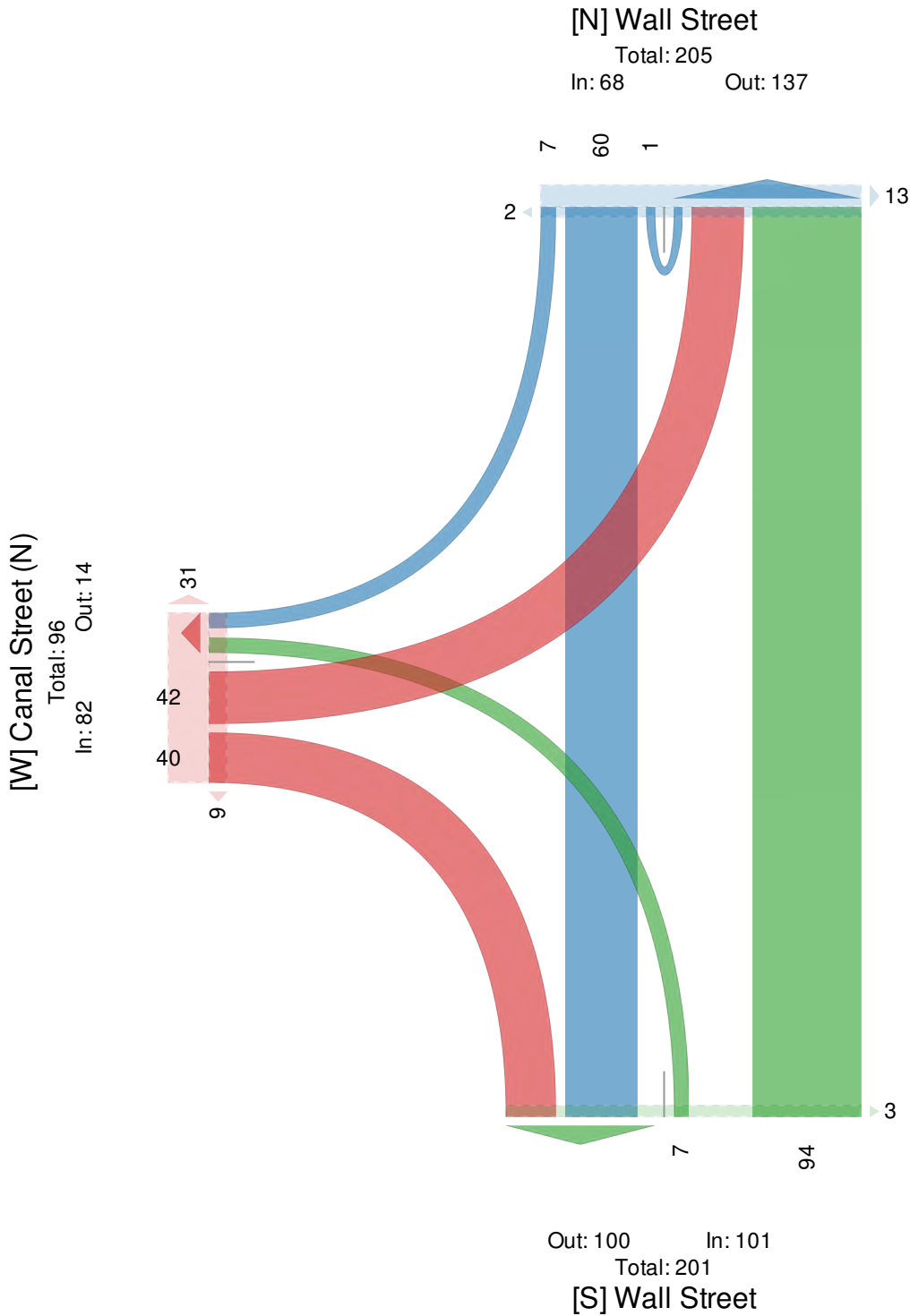
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728563, Location: 42.289109, -83.738353, Site Code: TMC_23 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US





Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU24L
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_24
 Canal S & Wall_11-19-19
 Site Code: TMC_24
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Wall Street Southbound				Canal Street (S) / Island Dr. Westbound				Canal Street (S) Island Dr. Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
	6:00 AM	0	4	1	4	0	0	0	0	0	0	0	
6:15 AM	0	6	0	6	0	0	0	0	0	0	0	0	6
6:30 AM	0	9	0	9	0	0	0	0	0	0	1	0	9
6:45 AM	1	8	1	9	0	0	0	0	2	1	3	3	12
Hourly Total	1	27	2	28	0	0	0	0	2	1	4	3	31
7:00 AM	0	17	1	17	0	1	1	1	0	0	1	0	18
7:15 AM	3	20	0	23	0	0	0	0	1	0	0	1	24
7:30 AM	1	25	0	26	0	0	0	0	3	0	2	3	29
7:45 AM	0	43	0	43	0	0	0	0	0	0	2	0	43
Hourly Total	4	105	1	109	0	1	1	1	4	0	5	4	114
8:00 AM	2	30	0	32	1	0	2	1	0	0	0	0	33
8:15 AM	2	30	0	32	0	0	2	0	1	0	2	1	33
8:30 AM	2	26	0	28	1	0	1	1	0	0	4	0	29
8:45 AM	3	48	1	51	1	0	1	1	1	0	6	1	53
Hourly Total	9	134	1	143	3	0	6	3	2	0	12	2	148
9:00 AM	2	42	0	44	0	0	0	0	1	1	5	2	46
9:15 AM	0	29	3	29	0	0	2	0	1	2	5	3	32
9:30 AM	3	31	1	34	0	0	0	0	2	1	2	3	37
9:45 AM	5	33	3	38	0	0	4	0	1	0	6	1	39
Hourly Total	10	135	7	145	0	0	6	0	5	4	18	9	154
10:00 AM	3	35	1	38	0	0	0	0	4	0	2	4	42
10:15 AM	3	35	0	38	0	0	0	0	1	4	5	5	43
10:30 AM	1	36	0	37	0	0	0	0	1	1	6	2	39
10:45 AM	2	40	0	42	0	1	0	1	2	2	3	4	47
Hourly Total	9	146	1	155	0	1	0	1	8	7	16	15	171
11:00 AM	2	18	1	20	0	0	0	0	2	1	3	3	23
11:15 AM	2	18	0	20	0	0	1	0	3	0	2	3	23
11:30 AM	1	12	0	13	0	0	2	0	0	0	3	0	13
11:45 AM	0	32	1	32	0	0	2	0	1	1	5	2	34
Hourly Total	5	80	2	85	0	0	5	0	6	2	13	8	93
12:00 PM	1	21	0	22	0	0	0	0	4	0	4	4	26
12:15 PM	0	27	0	27	0	0	0	0	0	0	8	0	27
12:30 PM	0	20	0	20	0	0	1	0	2	1	6	3	23
12:45 PM	1	28	0	29	0	0	0	0	2	2	3	4	33
Hourly Total	2	96	0	98	0	0	1	0	8	3	21	11	109
1:00 PM	0	24	0	24	1	0	0	1	0	0	6	0	25
1:15 PM	2	17	0	19	0	0	0	0	3	0	1	3	22
1:30 PM	1	21	1	22	0	0	0	0	4	0	2	4	26
1:45 PM	1	18	0	19	0	0	0	0	1	0	2	1	20
Hourly Total	4	80	1	84	1	0	0	1	8	0	11	8	93
2:00 PM	0	16	1	16	1	1	0	2	2	1	3	3	21
2:15 PM	0	23	1	23	0	0	0	0	0	1	2	1	24
2:30 PM	0	19	1	19	0	0	1	0	1	0	4	1	20
2:45 PM	1	33	2	34	0	0	2	0	1	0	1	1	35
Hourly Total	1	91	5	92	1	1	3	2	4	2	10	6	100
3:00 PM	1	16	0	17	0	0	0	0	1	1	4	2	19
3:15 PM	1	23	1	24	0	1	1	1	2	1	4	3	28
3:30 PM	0	23	1	23	0	0	1	0	2	0	5	2	25
3:45 PM	0	18	0	18	0	0	1	0	3	0	0	3	21
Hourly Total	2	80	2	82	0	1	3	1	8	2	13	10	93
4:00 PM	0	21	3	21	0	0	3	0	0	0	3	0	21
4:15 PM	1	28	0	29	0	0	0	0	0	0	1	0	29
4:30 PM	0	35	0	35	0	0	1	0	1	0	4	1	36
4:45 PM	1	37	0	38	1	1	4	2	0	0	5	0	40
Hourly Total	2	121	3	123	1	1	8	2	1	0	13	1	126
5:00 PM	1	43	1	44	0	0	3	0	0	0	12	0	44
5:15 PM	1	32	0	33	0	0	2	0	1	0	0	1	34

5:30 PM	1	22	0	23	0	0	1	0	0	0	2	0	23
5:45 PM	0	24	1	24	0	0	0	0	0	0	1	0	24
Hourly Total	3	121	2	124	0	0	6	0	1	0	15	1	125
6:00 PM	0	17	2	17	0	0	1	0	0	0	4	0	17
6:15 PM	3	18	0	21	0	0	0	0	1	0	1	1	22
6:30 PM	0	16	1	16	0	0	1	0	1	0	4	1	17
6:45 PM	0	14	0	14	0	0	0	0	1	0	2	1	15
Hourly Total	3	65	3	68	0	0	2	0	3	0	11	3	71
Grand Total	55	1281	30	1336	6	5	41	11	60	21	162	81	1428
Approach %	4.1	95.9	-	-	54.5	45.5	-	-	74.1	25.9	-	-	-
Total %	3.9	89.7	-	93.6	0.4	0.4	-	0.8	4.2	1.5	-	5.7	-
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	45	1227	-	1272	0	0	-	0	43	16	-	59	1331
% Cars & Light Goods	81.8	95.8	-	95.2	0.0	0.0	-	0.0	71.7	76.2	-	72.8	93.2
Buses	1	19	-	20	0	0	-	0	2	0	-	2	22
% Buses	1.8	1.5	-	1.5	0.0	0.0	-	0.0	3.3	0.0	-	2.5	1.5
Single-Unit Trucks	9	21	-	30	0	0	-	0	10	4	-	14	44
% Single-Unit Trucks	16.4	1.6	-	2.2	0.0	0.0	-	0.0	16.7	19.0	-	17.3	3.1
Articulated Trucks	0	1	-	1	0	0	-	0	0	0	-	0	1
% Articulated Trucks	0.0	0.1	-	0.1	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.1
Bicycles on Road	0	13	-	13	6	5	-	11	5	1	-	6	30
% Bicycles on Road	0.0	1.0	-	1.0	100.0	100.0	-	100.0	8.3	4.8	-	7.4	2.1
Bicycles on Crosswalk	-	-	1	-	-	-	5	-	-	-	3	-	-
% Bicycles on Crosswalk	-	-	3.3	-	-	-	12.2	-	-	-	1.9	-	-
Pedestrians	-	-	29	-	-	-	36	-	-	-	159	-	-
% Pedestrians	-	-	96.7	-	-	-	87.8	-	-	-	98.1	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU24L
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_24
 Canal S & Wall_11-19-19
 Site Code: TMC_24
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (8:00 AM)

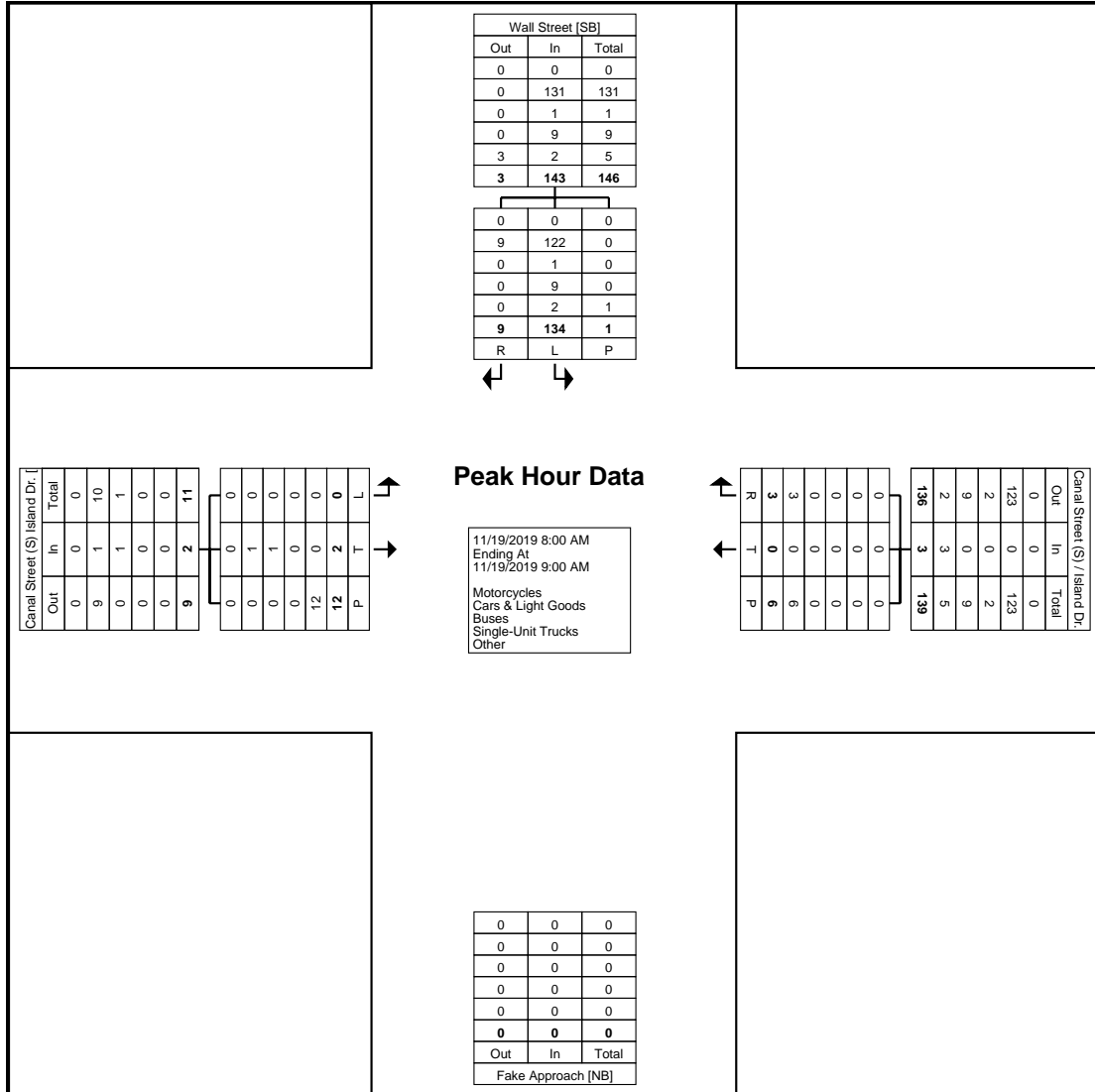
Start Time	Wall Street Southbound				Canal Street (S) / Island Dr. Westbound				Canal Street (S) Island Dr. Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
8:00 AM	2	30	0	32	1	0	2	1	0	0	0	0	33
8:15 AM	2	30	0	32	0	0	2	0	1	0	2	1	33
8:30 AM	2	26	0	28	1	0	1	1	0	0	4	0	29
8:45 AM	3	48	1	51	1	0	1	1	1	0	6	1	53
Total	9	134	1	143	3	0	6	3	2	0	12	2	148
Approach %	6.3	93.7	-	-	100.0	0.0	-	-	100.0	0.0	-	-	-
Total %	6.1	90.5	-	96.6	2.0	0.0	-	2.0	1.4	0.0	-	1.4	-
PHF	0.750	0.698	-	0.701	0.750	0.000	-	0.750	0.500	0.000	-	0.500	0.698
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	9	122	-	131	0	0	-	0	1	0	-	1	132
% Cars & Light Goods	100.0	91.0	-	91.6	0.0	-	-	0.0	50.0	-	-	50.0	89.2
Buses	0	1	-	1	0	0	-	0	1	0	-	1	2
% Buses	0.0	0.7	-	0.7	0.0	-	-	0.0	50.0	-	-	50.0	1.4
Single-Unit Trucks	0	9	-	9	0	0	-	0	0	0	-	0	9
% Single-Unit Trucks	0.0	6.7	-	6.3	0.0	-	-	0.0	0.0	-	-	0.0	6.1
Articulated Trucks	0	1	-	1	0	0	-	0	0	0	-	0	1
% Articulated Trucks	0.0	0.7	-	0.7	0.0	-	-	0.0	0.0	-	-	0.0	0.7
Bicycles on Road	0	1	-	1	3	0	-	3	0	0	-	0	4
% Bicycles on Road	0.0	0.7	-	0.7	100.0	-	-	100.0	0.0	-	-	0.0	2.7
Bicycles on Crosswalk	-	-	0	-	-	-	2	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	33.3	-	-	-	8.3	-	-
Pedestrians	-	-	1	-	-	-	4	-	-	-	11	-	-
% Pedestrians	-	-	100.0	-	-	-	66.7	-	-	-	91.7	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU24L
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_24
 Canal S & Wall_11-19-19
 Site Code: TMC_24
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (8:00 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU24L
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_24
 Canal S & Wall_11-19-19
 Site Code: TMC_24
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:45 AM)

Start Time	Wall Street Southbound				Canal Street (S) / Island Dr. Westbound				Canal Street (S) Island Dr. Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
11:45 AM	0	32	1	32	0	0	2	0	1	1	5	2	34
12:00 PM	1	21	0	22	0	0	0	0	4	0	4	4	26
12:15 PM	0	27	0	27	0	0	0	0	0	0	8	0	27
12:30 PM	0	20	0	20	0	0	1	0	2	1	6	3	23
Total	1	100	1	101	0	0	3	0	7	2	23	9	110
Approach %	1.0	99.0	-	-	0.0	0.0	-	-	77.8	22.2	-	-	-
Total %	0.9	90.9	-	91.8	0.0	0.0	-	0.0	6.4	1.8	-	8.2	-
PHF	0.250	0.781	-	0.789	0.000	0.000	-	0.000	0.438	0.500	-	0.563	0.809
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	-	-	-	-	0.0	0.0	-	0.0	0.0
Cars & Light Goods	1	99	-	100	0	0	-	0	5	1	-	6	106
% Cars & Light Goods	100.0	99.0	-	99.0	-	-	-	-	71.4	50.0	-	66.7	96.4
Buses	0	0	-	0	0	0	-	0	0	0	-	0	0
% Buses	0.0	0.0	-	0.0	-	-	-	-	0.0	0.0	-	0.0	0.0
Single-Unit Trucks	0	0	-	0	0	0	-	0	1	1	-	2	2
% Single-Unit Trucks	0.0	0.0	-	0.0	-	-	-	-	14.3	50.0	-	22.2	1.8
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	-	-	-	-	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	1	-	1	0	0	-	0	1	0	-	1	2
% Bicycles on Road	0.0	1.0	-	1.0	-	-	-	-	14.3	0.0	-	11.1	1.8
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	4.3	-	-
Pedestrians	-	-	1	-	-	-	3	-	-	-	22	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	95.7	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU24L
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_24
 Canal S & Wall_11-19-19
 Site Code: TMC_24
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:30 PM)

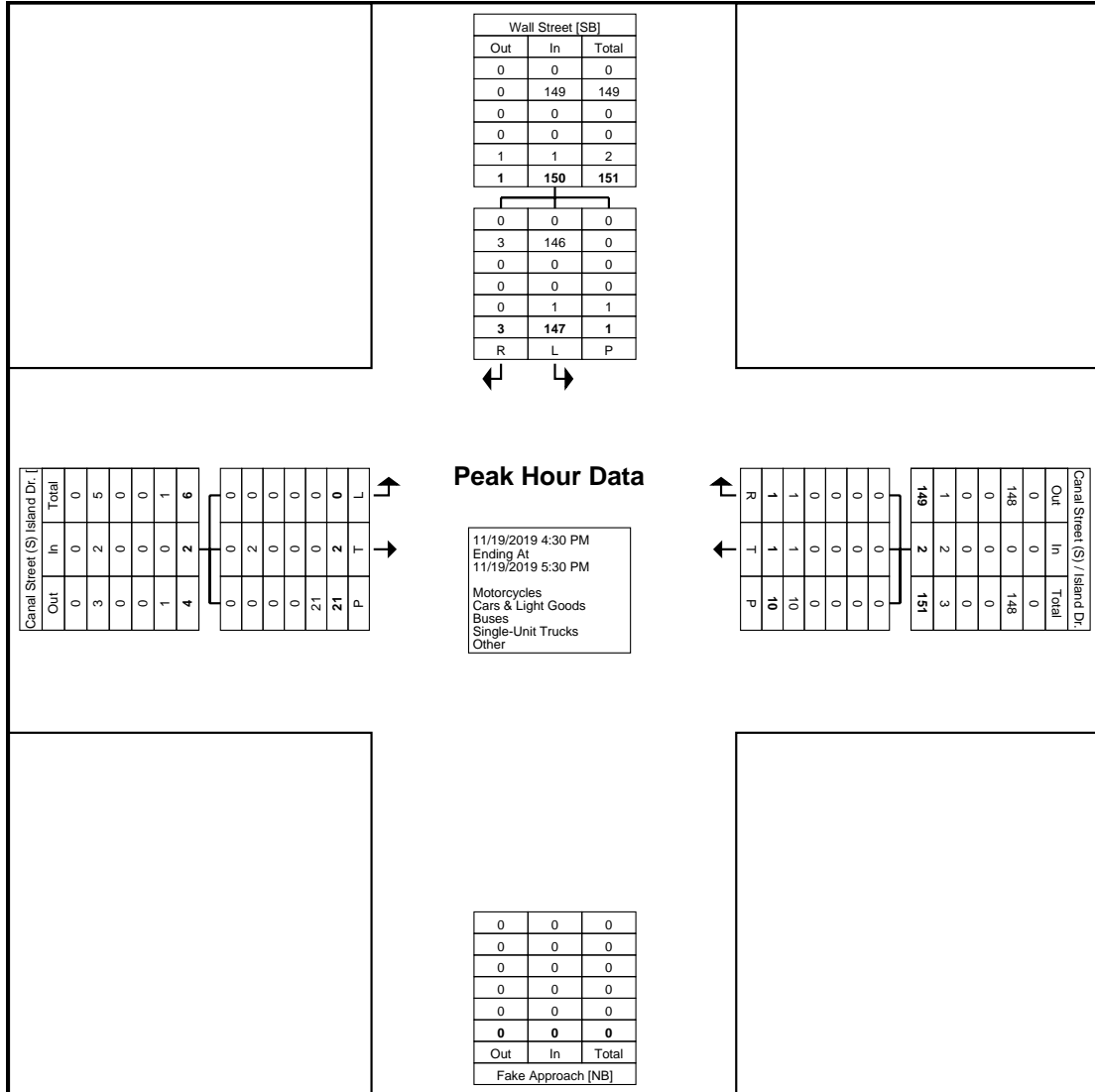
Start Time	Wall Street Southbound				Canal Street (S) / Island Dr. Westbound				Canal Street (S) Island Dr. Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
4:30 PM	0	35	0	35	0	0	1	0	1	0	4	1	36
4:45 PM	1	37	0	38	1	1	4	2	0	0	5	0	40
5:00 PM	1	43	1	44	0	0	3	0	0	0	12	0	44
5:15 PM	1	32	0	33	0	0	2	0	1	0	0	1	34
Total	3	147	1	150	1	1	10	2	2	0	21	2	154
Approach %	2.0	98.0	-	-	50.0	50.0	-	-	100.0	0.0	-	-	-
Total %	1.9	95.5	-	97.4	0.6	0.6	-	1.3	1.3	0.0	-	1.3	-
PHF	0.750	0.855	-	0.852	0.250	0.250	-	0.250	0.500	0.000	-	0.500	0.875
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Cars & Light Goods	3	146	-	149	0	0	-	0	2	0	-	2	151
% Cars & Light Goods	100.0	99.3	-	99.3	0.0	0.0	-	0.0	100.0	-	-	100.0	98.1
Buses	0	0	-	0	0	0	-	0	0	0	-	0	0
% Buses	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Single-Unit Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Road	0	1	-	1	1	1	-	2	0	0	-	0	3
% Bicycles on Road	0.0	0.7	-	0.7	100.0	100.0	-	100.0	0.0	-	-	0.0	1.9
Bicycles on Crosswalk	-	-	0	-	-	-	2	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	20.0	-	-	-	0.0	-	-
Pedestrians	-	-	1	-	-	-	8	-	-	-	21	-	-
% Pedestrians	-	-	100.0	-	-	-	80.0	-	-	-	100.0	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Wall Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU24L
 SW

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_24
 Canal S & Wall_11-19-19
 Site Code: TMC_24
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:30 PM)



Project: Lower Town Area
Mobility Study
Corridor: Wall Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU24L
SW

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_24
Canal S & Wall_11-19-19
Site Code: TMC_24
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized "T" intersection. EB approach is yield controlled. VCU camera was located within SW intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_24 Canal S & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728565, Location: 42.28729, -83.733852, Site Code: TMC_24 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Wall Street Southbound					Canal Street (S) / Island Dr. Westbound					Canal Street (S) Island Dr. Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-19 6:00AM	0	4	0	4	1	0	0	0	0	0	0	0	0	0	0	0
6:15AM	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	6
6:30AM	0	9	0	9	0	0	0	0	0	0	0	0	0	0	1	9
6:45AM	1	8	0	9	1	0	0	0	0	0	2	1	0	3	3	12
Hourly Total	1	27	0	28	2	0	0	0	0	0	2	1	0	3	4	31
7:00AM	0	17	0	17	1	0	1	0	1	1	0	0	0	0	1	18
7:15AM	3	20	0	23	0	0	0	0	0	0	1	0	0	1	0	24
7:30AM	1	25	0	26	0	0	0	0	0	0	3	0	0	3	2	29
7:45AM	0	43	0	43	0	0	0	0	0	0	0	0	0	0	2	43
Hourly Total	4	105	0	109	1	0	1	0	1	1	4	0	0	4	5	114
8:00AM	2	30	0	32	0	1	0	0	1	2	0	0	0	0	0	33
8:15AM	2	30	0	32	0	0	0	0	0	2	1	0	0	1	2	33
8:30AM	2	25	1	28	0	1	0	0	1	1	0	0	0	0	4	29
8:45AM	3	48	0	51	1	1	0	0	1	1	1	0	0	1	6	53
Hourly Total	9	133	1	143	1	3	0	0	3	6	2	0	0	2	12	148
9:00AM	2	40	2	44	0	0	0	0	0	0	1	1	0	2	5	46
9:15AM	0	26	3	29	3	0	0	0	0	2	1	2	0	3	5	32
9:30AM	3	29	2	34	1	0	0	0	0	0	2	1	0	3	2	37
9:45AM	5	22	11	38	3	0	0	0	0	4	1	0	0	1	6	39
Hourly Total	10	117	18	145	7	0	0	0	0	6	5	4	0	9	18	154
10:00AM	3	33	2	38	1	0	0	0	0	0	4	0	0	4	2	42
10:15AM	3	31	4	38	0	0	0	0	0	0	1	4	0	5	5	43
10:30AM	1	33	3	37	0	0	0	0	0	0	1	1	0	2	6	39
10:45AM	2	37	3	42	0	0	1	0	1	0	2	2	0	4	3	47
Hourly Total	9	134	12	155	1	0	1	0	1	0	8	7	0	15	16	171
11:00AM	2	18	0	20	1	0	0	0	0	0	2	1	0	3	3	23
11:15AM	2	17	1	20	0	0	0	0	0	1	3	0	0	3	2	23
11:30AM	1	12	0	13	0	0	0	0	0	2	0	0	0	0	3	13
11:45AM	0	32	0	32	1	0	0	0	0	2	1	1	0	2	5	34
Hourly Total	5	79	1	85	2	0	0	0	0	5	6	2	0	8	13	93
12:00PM	1	21	0	22	0	0	0	0	0	0	4	0	0	4	4	26
12:15PM	0	27	0	27	0	0	0	0	0	0	0	0	0	0	8	27
12:30PM	0	20	0	20	0	0	0	0	0	1	2	1	0	3	6	23
12:45PM	1	28	0	29	0	0	0	0	0	0	2	2	0	4	3	33
Hourly Total	2	96	0	98	0	0	0	0	0	1	8	3	0	11	21	109
1:00PM	0	24	0	24	0	1	0	0	1	0	0	0	0	0	6	25
1:15PM	2	17	0	19	0	0	0	0	0	0	3	0	0	3	1	22
1:30PM	1	21	0	22	1	0	0	0	0	0	4	0	0	4	2	26
1:45PM	1	18	0	19	0	0	0	0	0	0	1	0	0	1	2	20
Hourly Total	4	80	0	84	1	1	0	0	1	0	8	0	0	8	11	93
2:00PM	0	16	0	16	1	1	1	0	2	0	2	1	0	3	3	21
2:15PM	0	23	0	23	1	0	0	0	0	0	0	1	0	1	2	24
2:30PM	0	19	0	19	1	0	0	0	0	1	1	0	0	1	4	20
2:45PM	1	33	0	34	2	0	0	0	0	2	1	0	0	1	1	35
Hourly Total	1	91	0	92	5	1	1	0	2	3	4	2	0	6	10	100
3:00PM	1	16	0	17	0	0	0	0	0	0	1	1	0	2	4	19
3:15PM	1	23	0	24	1	0	1	0	1	1	2	1	0	3	4	28
3:30PM	0	23	0	23	1	0	0	0	0	1	2	0	0	2	5	25
3:45PM	0	18	0	18	0	0	0	0	0	1	3	0	0	3	0	21
Hourly Total	2	80	0	82	2	0	1	0	1	3	8	2	0	10	13	93
4:00PM	0	21	0	21	3	0	0	0	0	3	0	0	0	0	3	21
4:15PM	1	28	0	29	0	0	0	0	0	0	0	0	0	0	1	29

Leg Direction	Wall Street Southbound					Canal Street (S) / Island Dr. Westbound					Canal Street (S) Island Dr. Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
4:30PM	0	35	0	35	0	0	0	0	0	1	1	0	0	1	4	36
4:45PM	1	37	0	38	0	1	1	0	2	4	0	0	0	0	5	40
Hourly Total	2	121	0	123	3	1	1	0	2	8	1	0	0	1	13	126
5:00PM	1	42	1	44	1	0	0	0	0	3	0	0	0	0	12	44
5:15PM	1	32	0	33	0	0	0	0	0	2	1	0	0	1	0	34
5:30PM	1	22	0	23	0	0	0	0	0	1	0	0	0	0	2	23
5:45PM	0	24	0	24	1	0	0	0	0	0	0	0	0	0	1	24
Hourly Total	3	120	1	124	2	0	0	0	0	6	1	0	0	1	15	125
6:00PM	0	17	0	17	2	0	0	0	0	1	0	0	0	0	4	17
6:15PM	3	18	0	21	0	0	0	0	0	0	1	0	0	1	1	22
6:30PM	0	16	0	16	1	0	0	0	0	1	1	0	0	1	4	17
6:45PM	0	14	0	14	0	0	0	0	0	0	1	0	0	1	2	15
Hourly Total	3	65	0	68	3	0	0	0	0	2	3	0	0	3	11	71
Total	55	1248	33	1336	30	6	5	0	11	41	60	21	0	81	162	1428
% Approach	4.1%	93.4%	2.5%	-	-	54.5%	45.5%	0%	-	-	74.1%	25.9%	0%	-	-	-
% Total	3.9%	87.4%	2.3%	93.6%	-	0.4%	0.4%	0%	0.8%	-	4.2%	1.5%	0%	5.7%	-	-
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	45	1194	33	1272	-	0	0	0	0	-	43	16	0	59	-	1331
% Lights	81.8%	95.7%	100%	95.2%	-	0%	0%	0%	0%	-	71.7%	76.2%	0%	72.8%	-	93.2%
Single-Unit Trucks	9	21	0	30	-	0	0	0	0	-	10	4	0	14	-	44
% Single-Unit Trucks	16.4%	1.7%	0%	2.2%	-	0%	0%	0%	0%	-	16.7%	19.0%	0%	17.3%	-	3.1%
Articulated Trucks	0	1	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Articulated Trucks	0%	0.1%	0%	0.1%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%
Buses	1	19	0	20	-	0	0	0	0	-	2	0	0	2	-	22
% Buses	1.8%	1.5%	0%	1.5%	-	0%	0%	0%	0%	-	3.3%	0%	0%	2.5%	-	1.5%
Bicycles on Road	0	13	0	13	-	6	5	0	11	-	5	1	0	6	-	30
% Bicycles on Road	0%	1.0%	0%	1.0%	-	100%	100%	0%	100%	-	8.3%	4.8%	0%	7.4%	-	2.1%
Pedestrians	-	-	-	-	29	-	-	-	-	36	-	-	-	-	159	
% Pedestrians	-	-	-	-	96.7%	-	-	-	-	87.8%	-	-	-	-	98.1%	-
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	5	-	-	-	-	3	
% Bicycles on Crosswalk	-	-	-	-	3.3%	-	-	-	-	12.2%	-	-	-	-	1.9%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_24 Canal S & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

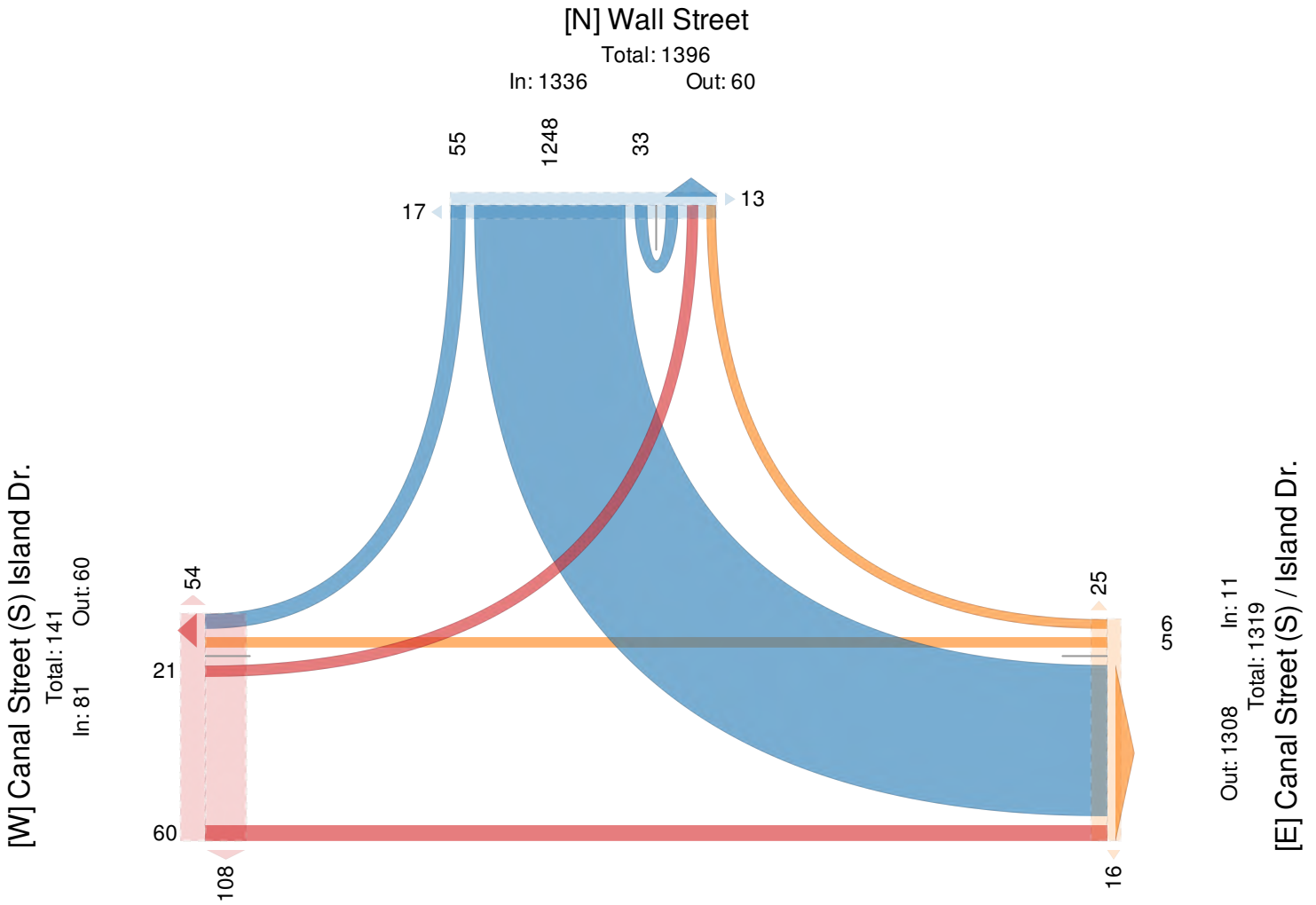
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728565, Location: 42.28729, -83.733852, Site Code: TMC_24 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_24 Canal S & Wall_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (10 AM - 11 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728565, Location: 42.28729, -83.733852, Site Code: TMC_24 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Wall Street Southbound					Canal Street (S) / Island Dr. Westbound					Canal Street (S) Island Dr. Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
2019-11-19 10:00AM	3	33	2	38	1	0	0	0	0	0	4	0	0	4	2	42
10:15AM	3	31	4	38	0	0	0	0	0	0	1	4	0	5	5	43
10:30AM	1	33	3	37	0	0	0	0	0	0	1	1	0	2	6	39
10:45AM	2	37	3	42	0	0	1	0	1	0	2	2	0	4	3	47
Total	9	134	12	155	1	0	1	0	1	0	8	7	0	15	16	171
% Approach	5.8%	86.5%	7.7%	-	-	0%	100%	0%	-	-	53.3%	46.7%	0%	-	-	-
% Total	5.3%	78.4%	7.0%	90.6%	-	0%	0.6%	0%	0.6%	-	4.7%	4.1%	0%	8.8%	-	-
PHF	0.750	0.905	0.750	0.923	-	-	-	-	-	-	0.438	0.438	-	0.700	-	0.939
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	7	126	12	145	-	0	0	0	0	-	4	5	0	9	-	154
% Lights	77.8%	94.0%	100%	93.5%	-	0%	0%	0%	0%	-	50.0%	71.4%	0%	60.0%	-	90.1%
Single-Unit Trucks	2	2	0	4	-	0	0	0	0	-	3	2	0	5	-	9
% Single-Unit Trucks	22.2%	1.5%	0%	2.6%	-	0%	0%	0%	0%	-	37.5%	28.6%	0%	33.3%	-	5.3%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	6	0	6	-	0	0	0	0	-	0	0	0	0	-	6
% Buses	0%	4.5%	0%	3.9%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	3.5%
Bicycles on Road	0	0	0	0	-	0	1	0	1	-	1	0	0	1	-	2
% Bicycles on Road	0%	0%	0%	0%	-	0%	100%	0%	100%	-	12.5%	0%	0%	6.7%	-	1.2%
Pedestrians	-	-	-	-	1	-	-	-	-	0	-	-	-	-	-	15
% Pedestrians	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	93.8%
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	1
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	6.3%

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_24 Canal S & Wall_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (10 AM - 11 AM) - Overall Peak Hour

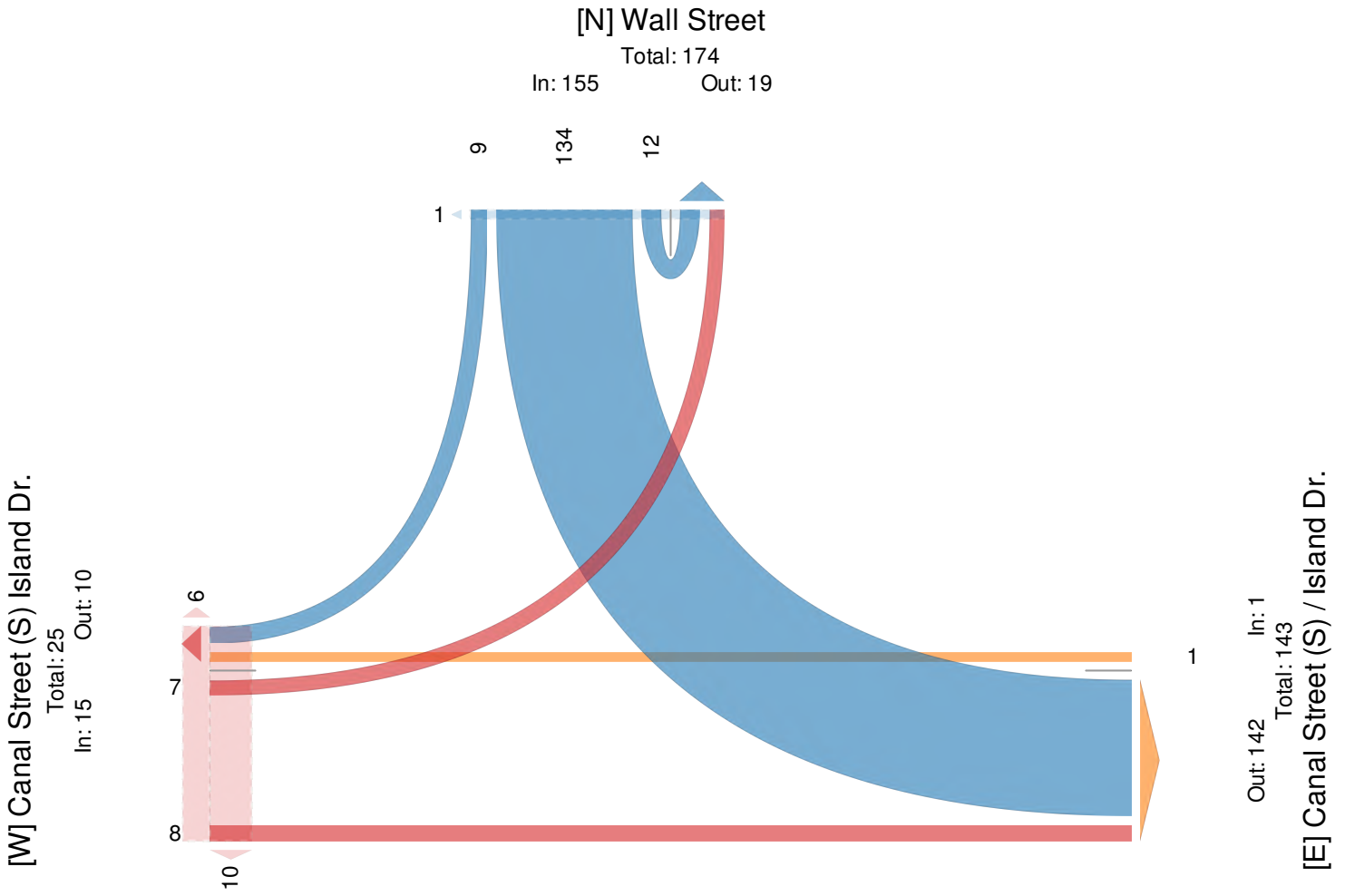
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728565, Location: 42.28729, -83.733852, Site Code: TMC_24 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_24 Canal S & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728565, Location: 42.28729, -83.733852, Site Code: TMC_24 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Wall Street Southbound					Canal Street (S) / Island Dr. Westbound					Canal Street (S) Island Dr. Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-19 11:45AM	0	32	0	32	1	0	0	0	0	2	1	1	0	2	5	34
12:00PM	1	21	0	22	0	0	0	0	0	0	4	0	0	4	4	26
12:15PM	0	27	0	27	0	0	0	0	0	0	0	0	0	0	8	27
12:30PM	0	20	0	20	0	0	0	0	0	1	2	1	0	3	6	23
Total	1	100	0	101	1	0	0	0	0	3	7	2	0	9	23	110
% Approach	1.0%	99.0%	0%	-	-	0%	0%	0%	-	-	77.8%	22.2%	0%	-	-	-
% Total	0.9%	90.9%	0%	91.8%	-	0%	0%	0%	0%	-	6.4%	1.8%	0%	8.2%	-	-
PHF	0.250	0.798	-	0.806	-	-	-	-	-	-	0.375	0.500	-	0.500	-	0.844
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%
Lights	1	99	0	100	-	0	0	0	0	-	5	1	0	6	-	106
% Lights	100%	99.0%	0%	99.0%	-	0%	0%	0%	-	-	71.4%	50.0%	0%	66.7%	-	96.4%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	1	1	0	2	-	2
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	-	-	14.3%	50.0%	0%	22.2%	-	1.8%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Buses	0%	0%	0%	0%	-	0%	0%	0%	-	-	0%	0%	0%	0%	-	0%
Bicycles on Road	0	1	0	1	-	0	0	0	0	-	1	0	0	1	-	2
% Bicycles on Road	0%	1.0%	0%	1.0%	-	0%	0%	0%	-	-	14.3%	0%	0%	11.1%	-	1.8%
Pedestrians	-	-	-	-	1	-	-	-	-	3	-	-	-	-	22	
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	95.7%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	1	
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	4.3%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_24 Canal S & Wall_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

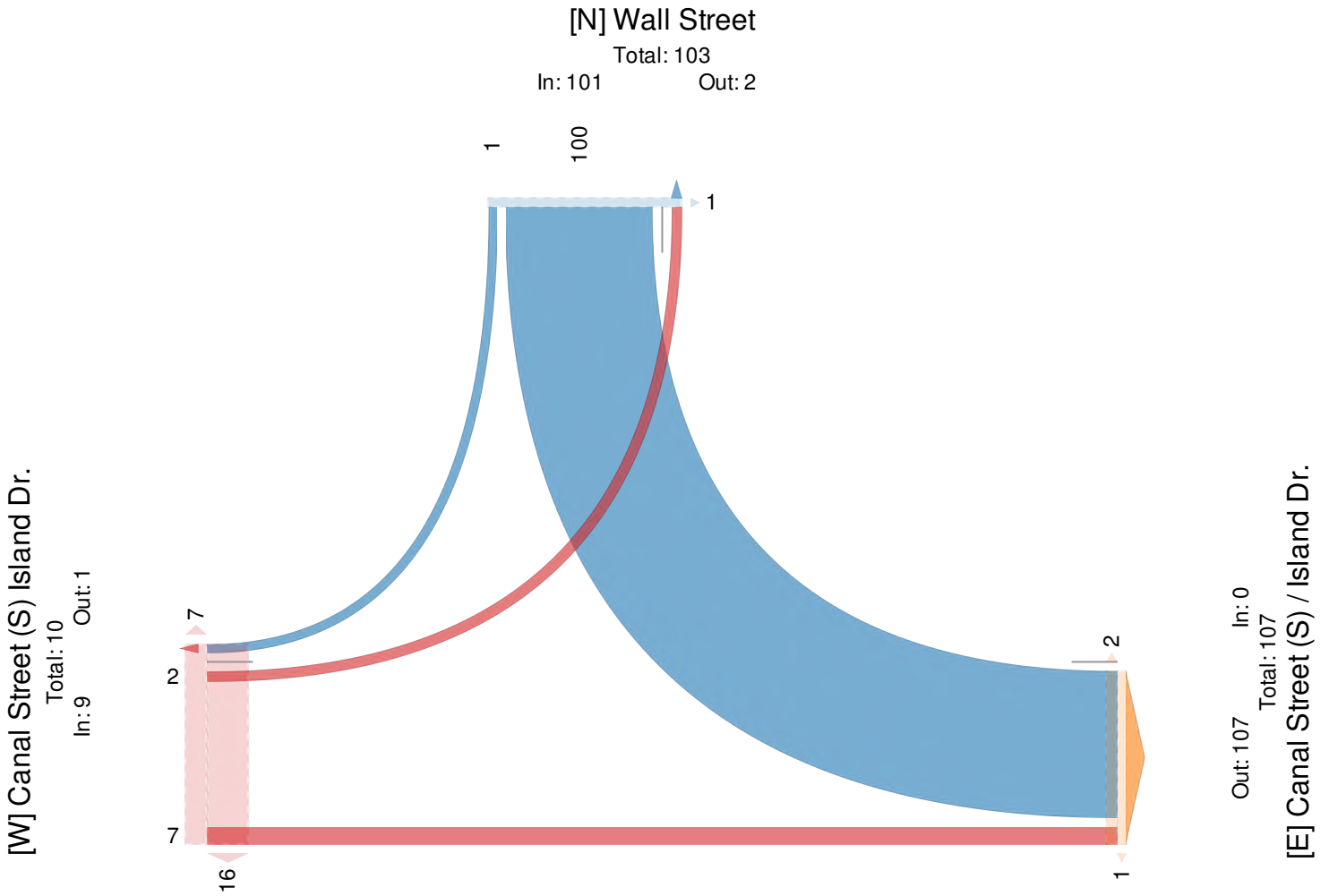
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728565, Location: 42.28729, -83.733852, Site Code: TMC_24 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_24 Canal S & Wall_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728565, Location: 42.28729, -83.733852, Site Code: TMC_24 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Wall Street Southbound					Canal Street (S) / Island Dr. Westbound					Canal Street (S) Island Dr. Eastbound					Int
	R	L	U	App	Ped*	R	T	U	App	Ped*	T	L	U	App	Ped*	
Time																
2019-11-19 4:30PM	0	35	0	35	0	0	0	0	0	1	1	0	0	1	4	36
4:45PM	1	37	0	38	0	1	1	0	2	4	0	0	0	0	5	40
5:00PM	1	42	1	44	1	0	0	0	0	3	0	0	0	0	12	44
5:15PM	1	32	0	33	0	0	0	0	0	2	1	0	0	1	0	34
Total	3	146	1	150	1	1	1	0	2	10	2	0	0	2	21	154
% Approach	2.0%	97.3%	0.7%	-	-	50.0%	50.0%	0%	-	-	100%	0%	0%	-	-	-
% Total	1.9%	94.8%	0.6%	97.4%	-	0.6%	0.6%	0%	1.3%	-	1.3%	0%	0%	1.3%	-	-
PHF	0.750	0.863	0.250	0.847	-	-	-	-	-	-	0.500	-	-	0.500	-	0.858
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	3	145	1	149	-	0	0	0	0	-	2	0	0	2	-	151
% Lights	100%	99.3%	100%	99.3%	-	0%	0%	0%	0%	-	100%	0%	0%	100%	-	98.1%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Buses	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Bicycles on Road	0	1	0	1	-	1	1	0	2	-	0	0	0	0	-	3
% Bicycles on Road	0%	0.7%	0%	0.7%	-	100%	100%	0%	100%	-	0%	0%	0%	0%	-	1.9%
Pedestrians	-	-	-	-	1	-	-	-	-	8	-	-	-	-	21	
% Pedestrians	-	-	-	-	100%	-	-	-	-	80.0%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	2	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	20.0%	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_24 Canal S & Wall_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM)

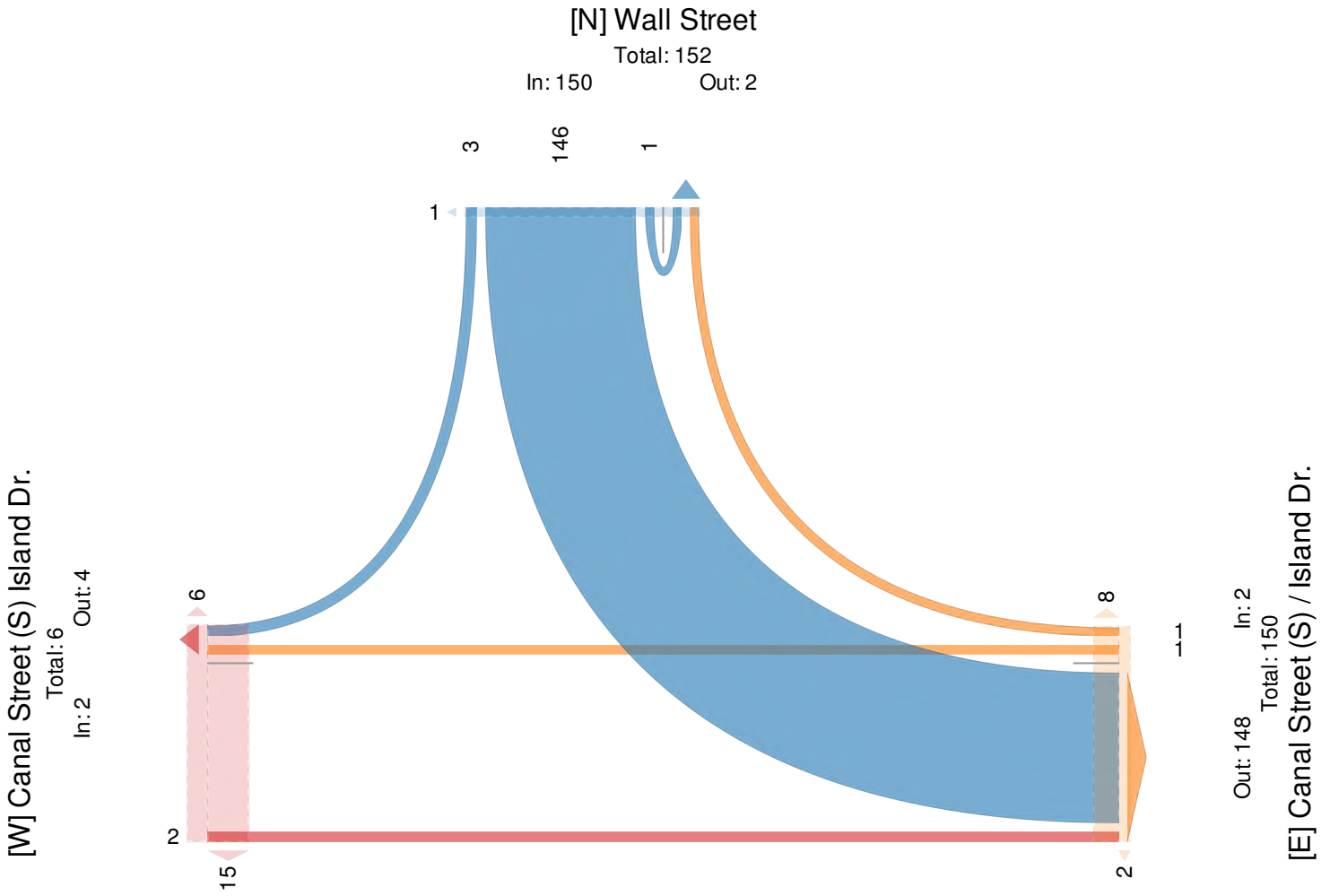
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728565, Location: 42.28729, -83.733852, Site Code: TMC_24 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Maiden Lane
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5RA
 NE

Count Name: TMC_25
 Maiden & Island_11-19-19
 Site Code: TMC_25
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Maiden Lane Southbound					Island Drive Westbound					Maiden Lane Northbound					Canal Street (S) / Island Dr Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
6:00 AM	0	90	0	2	90	0	0	3	0	3	0	22	0	2	22	3	0	0	7	3	118
6:15 AM	0	86	1	0	87	2	0	3	2	5	0	29	0	0	29	5	0	0	6	5	126
6:30 AM	0	106	0	1	106	1	0	3	0	4	1	39	0	0	40	6	0	1	15	7	157
6:45 AM	0	103	1	3	104	2	0	6	2	8	2	50	0	0	52	10	0	0	20	10	174
Hourly Total	0	385	2	6	387	5	0	15	4	20	3	140	0	2	143	24	0	1	48	25	575
7:00 AM	0	96	0	3	96	2	1	3	0	6	1	51	0	4	52	18	0	1	11	19	173
7:15 AM	0	113	1	3	114	1	0	0	4	1	0	72	0	1	72	20	0	1	33	21	208
7:30 AM	0	126	1	4	127	3	0	5	6	8	1	90	0	2	91	28	0	0	28	28	254
7:45 AM	0	123	2	13	125	4	0	3	13	7	2	116	0	2	118	36	0	1	71	37	287
Hourly Total	0	458	4	23	462	10	1	11	23	22	4	329	0	9	333	102	0	3	143	105	922
8:00 AM	0	122	0	5	122	2	0	2	7	4	1	92	0	2	93	31	0	0	54	31	250
8:15 AM	0	128	1	4	129	4	0	3	10	7	0	81	0	0	81	25	1	1	44	27	244
8:30 AM	0	142	1	8	143	5	0	2	9	7	1	75	0	0	76	26	0	2	55	28	254
8:45 AM	0	138	1	4	139	3	0	3	5	6	2	69	0	2	71	42	1	1	40	44	260
Hourly Total	0	530	3	21	533	14	0	10	31	24	4	317	0	4	321	124	2	4	193	130	1008
9:00 AM	0	102	3	11	105	5	0	5	7	10	6	69	0	1	75	47	1	0	33	48	238
9:15 AM	0	68	0	3	68	0	0	4	4	4	2	65	0	1	67	26	0	0	23	26	165
9:30 AM	0	92	1	15	93	2	0	2	16	4	4	65	0	3	69	27	1	3	47	31	197
9:45 AM	0	75	3	10	78	2	0	2	8	4	4	72	0	0	76	16	2	5	37	23	181
Hourly Total	0	337	7	39	344	9	0	13	35	22	16	271	0	5	287	116	4	8	140	128	781
10:00 AM	0	54	3	6	57	4	0	2	5	6	3	57	0	1	60	30	1	4	16	35	158
10:15 AM	0	72	1	1	73	6	0	3	3	9	3	78	0	0	81	32	1	1	11	34	197
10:30 AM	0	63	1	3	64	1	0	2	5	3	6	75	1	0	82	25	0	9	13	34	183
10:45 AM	0	58	0	4	58	2	0	4	6	6	3	69	0	2	72	33	0	4	12	37	173
Hourly Total	0	247	5	14	252	13	0	11	19	24	15	279	1	3	295	120	2	18	52	140	711
11:00 AM	0	47	2	2	49	1	0	6	1	7	3	68	0	3	71	16	1	5	16	22	149
11:15 AM	0	70	0	4	70	1	0	3	1	4	1	71	0	2	72	18	1	1	12	20	166
11:30 AM	0	60	4	2	64	1	1	5	3	7	3	70	0	1	73	13	0	0	10	13	157
11:45 AM	0	79	2	4	81	2	0	2	4	4	3	75	0	0	78	26	0	3	16	29	192
Hourly Total	0	256	8	12	264	5	1	16	9	22	10	284	0	6	294	73	2	9	54	84	664
12:00 PM	0	63	4	2	67	3	0	5	8	8	1	98	0	0	99	24	0	2	8	26	200
12:15 PM	0	58	1	6	59	2	0	5	11	7	4	86	0	1	90	24	0	5	19	29	185
12:30 PM	0	61	1	2	62	6	0	3	6	9	1	73	0	0	74	21	0	1	14	22	167
12:45 PM	0	53	1	4	54	2	0	3	6	5	3	71	0	1	74	25	0	3	12	28	161
Hourly Total	0	235	7	14	242	13	0	16	31	29	9	328	0	2	337	94	0	11	53	105	713
1:00 PM	0	50	3	4	53	2	0	1	5	3	2	83	0	1	85	22	0	3	13	25	166
1:15 PM	0	69	3	3	72	4	0	1	7	5	3	57	1	1	61	16	0	3	16	19	157
1:30 PM	0	51	2	5	53	3	0	0	1	3	1	68	0	0	69	24	0	1	12	25	150
1:45 PM	0	67	5	1	72	6	1	0	1	7	5	85	0	0	90	16	0	1	4	17	186
Hourly Total	0	237	13	13	250	15	1	2	14	18	11	293	1	2	305	78	0	8	45	86	659
2:00 PM	0	52	0	3	52	6	0	3	5	9	3	82	0	0	85	17	0	1	12	18	164
2:15 PM	0	68	0	3	68	5	0	1	5	6	2	78	0	0	80	22	0	0	13	22	176
2:30 PM	0	68	4	6	72	4	0	3	4	7	5	110	0	0	115	17	0	1	25	18	212
2:45 PM	0	70	1	1	71	3	0	1	3	4	0	97	0	1	97	36	0	0	8	36	208
Hourly Total	0	258	5	13	263	18	0	8	17	26	10	367	0	1	377	92	0	2	58	94	760
3:00 PM	0	56	0	0	56	2	0	2	6	4	2	112	0	0	114	16	0	0	12	16	190
3:15 PM	0	60	4	6	64	2	0	2	3	4	3	146	0	1	149	24	0	2	14	26	243
3:30 PM	0	54	1	7	55	2	0	1	5	3	3	139	0	0	142	23	0	1	25	24	224
3:45 PM	0	50	3	11	53	2	0	2	9	4	2	132	0	1	134	20	1	1	26	22	213
Hourly Total	0	220	8	24	228	8	0	7	23	15	10	529	0	2	539	83	1	4	77	88	870
4:00 PM	0	61	2	10	63	4	0	2	10	6	3	133	0	1	136	19	1	1	32	21	226
4:15 PM	0	55	3	14	58	0	0	1	8	1	2	168	0	0	170	26	0	1	39	27	256
4:30 PM	0	57	3	10	60	2	0	1	14	3	4	154	0	0	158	33	1	2	48	36	257
4:45 PM	0	64	2	10	66	4	0	4	11	8	5	151	1	0	157	35	0	3	46	38	269
Hourly Total	0	237	10	44	247	10	0	8	43	18	14	606	1	1	621	113	2	7	165	122	1008
5:00 PM	0	64	1	22	65	1	0	3	30	4	1	158	0	2	159	42	0	1	71	43	271
5:15 PM	0	82	1	27	83	2	0	4	12	6	2	145	0	0	147	31	1	1	54	33	269

5:30 PM	0	71	6	15	77	5	0	2	8	7	4	126	0	0	130	23	0	1	44	24	238
5:45 PM	0	91	5	11	96	4	0	4	13	8	4	99	0	0	103	20	0	0	40	20	227
Hourly Total	0	308	13	75	321	12	0	13	63	25	11	528	0	2	539	116	1	3	209	120	1005
6:00 PM	0	65	4	7	69	1	0	3	8	4	4	90	0	0	94	16	0	1	24	17	184
6:15 PM	1	59	3	13	63	2	0	5	7	7	4	83	0	0	87	19	1	0	27	20	177
6:30 PM	1	66	4	6	71	4	0	5	5	9	4	73	0	1	77	17	0	0	18	17	174
6:45 PM	0	64	3	7	67	4	0	2	9	6	1	55	0	0	56	14	0	1	25	15	144
Hourly Total	2	254	14	33	270	11	0	15	29	26	13	301	0	1	314	66	1	2	94	69	679
Grand Total	2	3962	99	331	4063	143	3	145	341	291	130	4572	3	40	4705	1201	15	80	1331	1296	10355
Approach %	0.0	97.5	2.4	-	-	49.1	1.0	49.8	-	-	2.8	97.2	0.1	-	-	92.7	1.2	6.2	-	-	-
Total %	0.0	38.3	1.0	-	39.2	1.4	0.0	1.4	-	2.8	1.3	44.2	0.0	-	45.4	11.6	0.1	0.8	-	12.5	-
Motorcycles	0	4	0	-	4	0	0	0	-	0	0	2	0	-	2	0	0	0	-	0	6
% Motorcycles	0.0	0.1	0.0	-	0.1	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.1
Cars & Light Goods	0	3734	95	-	3829	138	0	141	-	279	127	4341	2	-	4470	1159	13	73	-	1245	9823
% Cars & Light Goods	0.0	94.2	96.0	-	94.2	96.5	0.0	97.2	-	95.9	97.7	94.9	66.7	-	95.0	96.5	86.7	91.3	-	96.1	94.9
Buses	0	166	0	-	166	1	0	1	-	2	0	149	0	-	149	19	0	1	-	20	337
% Buses	0.0	4.2	0.0	-	4.1	0.7	0.0	0.7	-	0.7	0.0	3.3	0.0	-	3.2	1.6	0.0	1.3	-	1.5	3.3
Single-Unit Trucks	0	46	2	-	48	2	0	1	-	3	2	64	0	-	66	20	1	6	-	27	144
% Single-Unit Trucks	0.0	1.2	2.0	-	1.2	1.4	0.0	0.7	-	1.0	1.5	1.4	0.0	-	1.4	1.7	6.7	7.5	-	2.1	1.4
Articulated Trucks	0	7	0	-	7	0	0	0	-	0	0	6	0	-	6	0	0	0	-	0	13
% Articulated Trucks	0.0	0.2	0.0	-	0.2	0.0	0.0	0.0	-	0.0	0.0	0.1	0.0	-	0.1	0.0	0.0	0.0	-	0.0	0.1
Bicycles on Road	2	5	2	-	9	2	3	2	-	7	1	10	1	-	12	3	1	0	-	4	32
% Bicycles on Road	100.0	0.1	2.0	-	0.2	1.4	100.0	1.4	-	2.4	0.8	0.2	33.3	-	0.3	0.2	6.7	0.0	-	0.3	0.3
Bicycles on Crosswalk	-	-	-	23	-	-	-	-	24	-	-	-	-	1	-	-	-	-	40	-	-
% Bicycles on Crosswalk	-	-	-	6.9	-	-	-	-	7.0	-	-	-	-	2.5	-	-	-	-	3.0	-	-
Pedestrians	-	-	-	308	-	-	-	-	317	-	-	-	-	39	-	-	-	-	1291	-	-
% Pedestrians	-	-	-	93.1	-	-	-	-	93.0	-	-	-	-	97.5	-	-	-	-	97.0	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Maiden Lane
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5RA
 NE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_25
 Maiden & Island_11-19-19
 Site Code: TMC_25
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:30 AM)

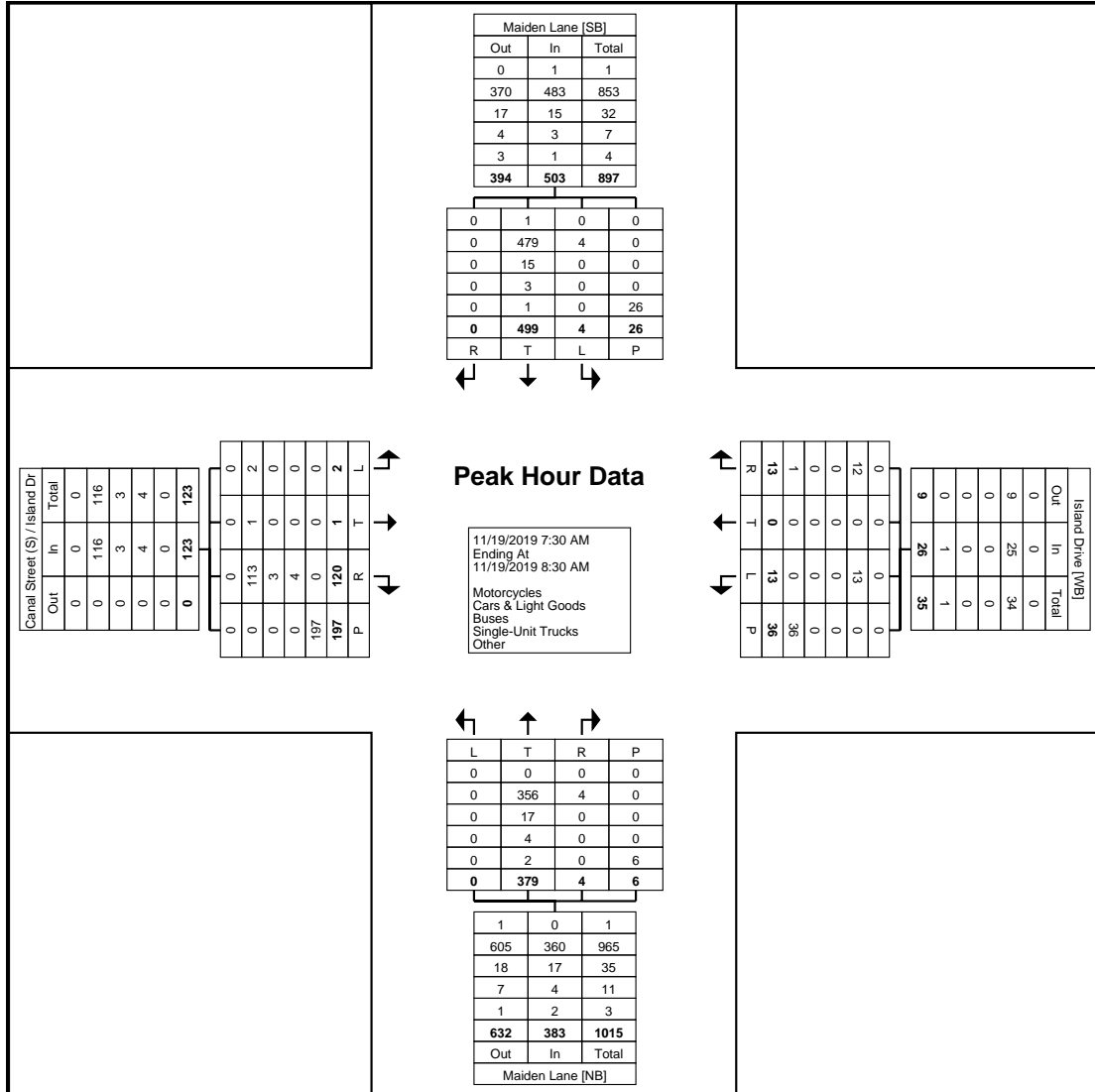
Start Time	Maiden Lane Southbound					Island Drive Westbound					Maiden Lane Northbound					Canal Street (S) / Island Dr Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
7:30 AM	0	126	1	4	127	3	0	5	6	8	1	90	0	2	91	28	0	0	28	28	254
7:45 AM	0	123	2	13	125	4	0	3	13	7	2	116	0	2	118	36	0	1	71	37	287
8:00 AM	0	122	0	5	122	2	0	2	7	4	1	92	0	2	93	31	0	0	54	31	250
8:15 AM	0	128	1	4	129	4	0	3	10	7	0	81	0	0	81	25	1	1	44	27	244
Total	0	499	4	26	503	13	0	13	36	26	4	379	0	6	383	120	1	2	197	123	1035
Approach %	0.0	99.2	0.8	-	-	50.0	0.0	50.0	-	-	1.0	99.0	0.0	-	-	97.6	0.8	1.6	-	-	-
Total %	0.0	48.2	0.4	-	48.6	1.3	0.0	1.3	-	2.5	0.4	36.6	0.0	-	37.0	11.6	0.1	0.2	-	11.9	-
PHF	0.000	0.975	0.500	-	0.975	0.813	0.000	0.650	-	0.813	0.500	0.817	0.000	-	0.811	0.833	0.250	0.500	-	0.831	0.902
Motorcycles	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	1
% Motorcycles	-	0.2	0.0	-	0.2	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.1
Cars & Light Goods	0	479	4	-	483	12	0	13	-	25	4	356	0	-	360	113	1	2	-	116	984
% Cars & Light Goods	-	96.0	100.0	-	96.0	92.3	-	100.0	-	96.2	100.0	93.9	-	-	94.0	94.2	100.0	100.0	-	94.3	95.1
Buses	0	15	0	-	15	0	0	0	-	0	0	17	0	-	17	3	0	0	-	3	35
% Buses	-	3.0	0.0	-	3.0	0.0	-	0.0	-	0.0	0.0	4.5	-	-	4.4	2.5	0.0	0.0	-	2.4	3.4
Single-Unit Trucks	0	3	0	-	3	0	0	0	-	0	0	4	0	-	4	4	0	0	-	4	11
% Single-Unit Trucks	-	0.6	0.0	-	0.6	0.0	-	0.0	-	0.0	0.0	1.1	-	-	1.0	3.3	0.0	0.0	-	3.3	1.1
Articulated Trucks	0	1	0	-	1	0	0	0	-	0	0	2	0	-	2	0	0	0	-	0	3
% Articulated Trucks	-	0.2	0.0	-	0.2	0.0	-	0.0	-	0.0	0.0	0.5	-	-	0.5	0.0	0.0	0.0	-	0.0	0.3
Bicycles on Road	0	0	0	-	0	1	0	0	-	1	0	0	0	-	0	0	0	0	-	0	1
% Bicycles on Road	-	0.0	0.0	-	0.0	7.7	-	0.0	-	3.8	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.1
Bicycles on Crosswalk	-	-	-	1	-	-	-	-	2	-	-	-	-	1	-	-	-	-	4	-	-
% Bicycles on Crosswalk	-	-	-	3.8	-	-	-	-	5.6	-	-	-	-	16.7	-	-	-	-	2.0	-	-
Pedestrians	-	-	-	25	-	-	-	-	34	-	-	-	-	5	-	-	-	-	193	-	-
% Pedestrians	-	-	-	96.2	-	-	-	-	94.4	-	-	-	-	83.3	-	-	-	-	98.0	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Maiden Lane
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5RA
 NE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_25
 Maiden & Island_11-19-19
 Site Code: TMC_25
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:30 AM)



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Maiden Lane
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5RA
 NE

Count Name: TMC_25
 Maiden & Island_11-19-19
 Site Code: TMC_25
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:45 AM)

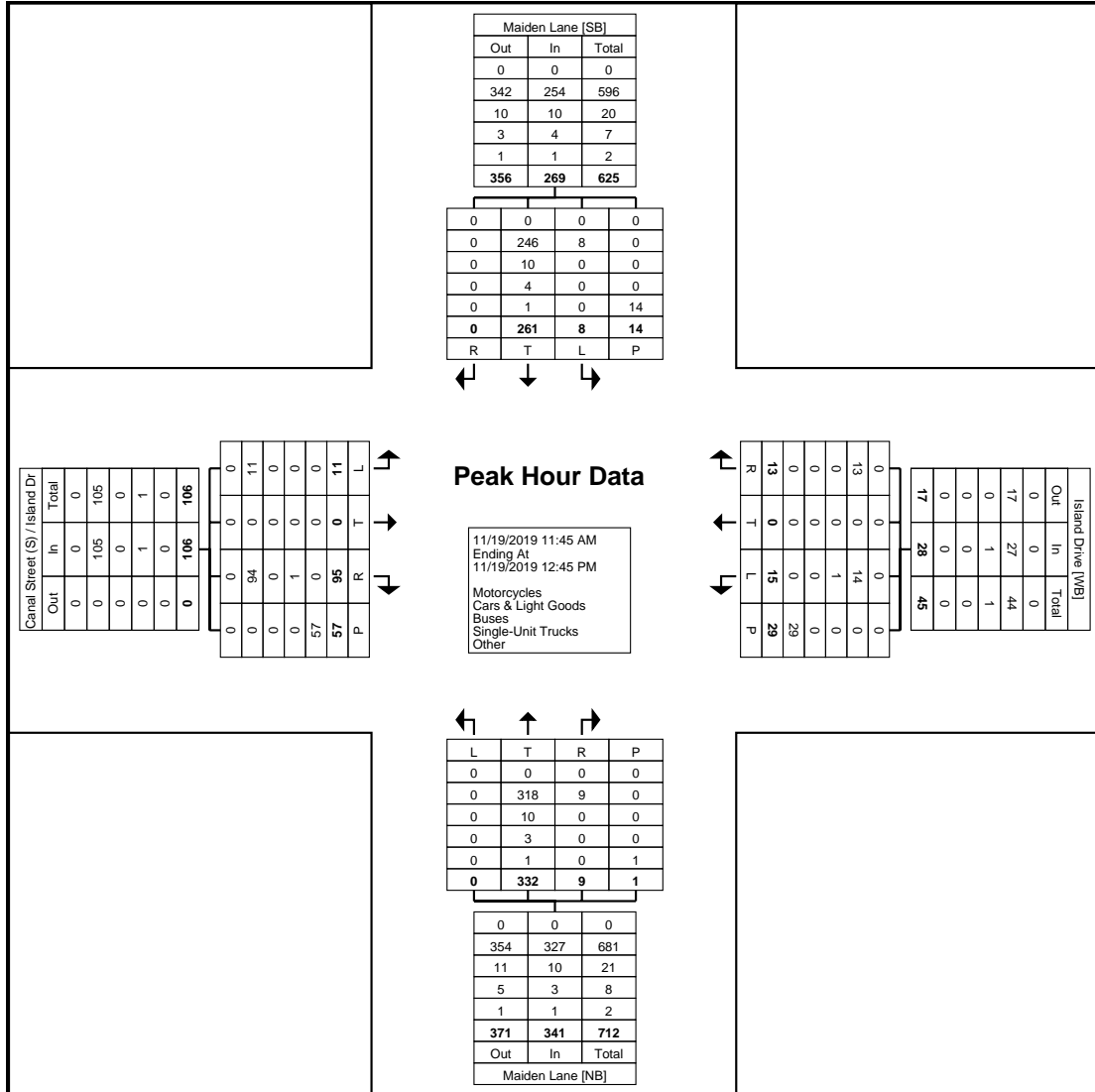
Start Time	Maiden Lane Southbound					Island Drive Westbound					Maiden Lane Northbound					Canal Street (S) / Island Dr Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
11:45 AM	0	79	2	4	81	2	0	2	4	4	3	75	0	0	78	26	0	3	16	29	192
12:00 PM	0	63	4	2	67	3	0	5	8	8	1	98	0	0	99	24	0	2	8	26	200
12:15 PM	0	58	1	6	59	2	0	5	11	7	4	86	0	1	90	24	0	5	19	29	185
12:30 PM	0	61	1	2	62	6	0	3	6	9	1	73	0	0	74	21	0	1	14	22	167
Total	0	261	8	14	269	13	0	15	29	28	9	332	0	1	341	95	0	11	57	106	744
Approach %	0.0	97.0	3.0	-	-	46.4	0.0	53.6	-	-	2.6	97.4	0.0	-	-	89.6	0.0	10.4	-	-	-
Total %	0.0	35.1	1.1	-	36.2	1.7	0.0	2.0	-	3.8	1.2	44.6	0.0	-	45.8	12.8	0.0	1.5	-	14.2	-
PHF	0.000	0.826	0.500	-	0.830	0.542	0.000	0.750	-	0.778	0.563	0.847	0.000	-	0.861	0.913	0.000	0.550	-	0.914	0.930
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Motorcycles	-	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0	-	0.0	-	0.0	0.0
Cars & Light Goods	0	246	8	-	254	13	0	14	-	27	9	318	0	-	327	94	0	11	-	105	713
% Cars & Light Goods	-	94.3	100.0	-	94.4	100.0	-	93.3	-	96.4	100.0	95.8	-	-	95.9	98.9	-	100.0	-	99.1	95.8
Buses	0	10	0	-	10	0	0	1	-	1	0	10	0	-	10	0	0	0	-	0	21
% Buses	-	3.8	0.0	-	3.7	0.0	-	6.7	-	3.6	0.0	3.0	-	-	2.9	0.0	-	0.0	-	0.0	2.8
Single-Unit Trucks	0	4	0	-	4	0	0	0	-	0	0	3	0	-	3	1	0	0	-	1	8
% Single-Unit Trucks	-	1.5	0.0	-	1.5	0.0	-	0.0	-	0.0	0.0	0.9	-	-	0.9	1.1	-	0.0	-	0.9	1.1
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	-	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0	-	0.0	-	0.0	0.0
Bicycles on Road	0	1	0	-	1	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	2
% Bicycles on Road	-	0.4	0.0	-	0.4	0.0	-	0.0	-	0.0	0.0	0.3	-	-	0.3	0.0	-	0.0	-	0.0	0.3
Bicycles on Crosswalk	-	-	-	2	-	-	-	-	1	-	-	-	-	0	-	-	-	-	3	-	-
% Bicycles on Crosswalk	-	-	-	14.3	-	-	-	-	3.4	-	-	-	-	0.0	-	-	-	-	5.3	-	-
Pedestrians	-	-	-	12	-	-	-	-	28	-	-	-	-	1	-	-	-	-	54	-	-
% Pedestrians	-	-	-	85.7	-	-	-	-	96.6	-	-	-	-	100.0	-	-	-	-	94.7	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Maiden Lane
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5RA
 NE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_25
 Maiden & Island_11-19-19
 Site Code: TMC_25
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:45 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Maiden Lane
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5RA
 NE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_25
 Maiden & Island_11-19-19
 Site Code: TMC_25
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:30 PM)

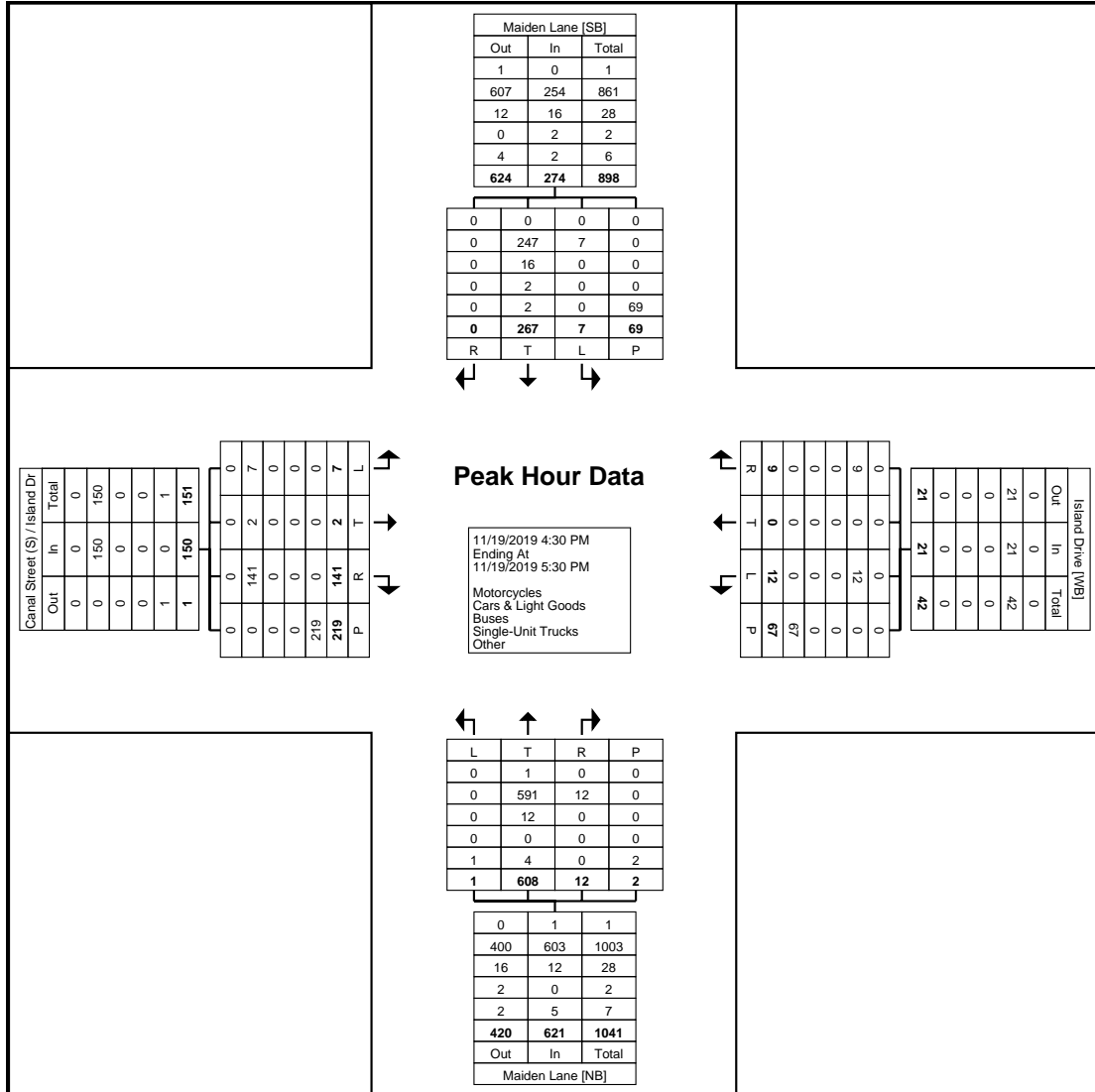
Start Time	Maiden Lane Southbound					Island Drive Westbound					Maiden Lane Northbound					Canal Street (S) / Island Dr Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
4:30 PM	0	57	3	10	60	2	0	1	14	3	4	154	0	0	158	33	1	2	48	36	257
4:45 PM	0	64	2	10	66	4	0	4	11	8	5	151	1	0	157	35	0	3	46	38	269
5:00 PM	0	64	1	22	65	1	0	3	30	4	1	158	0	2	159	42	0	1	71	43	271
5:15 PM	0	82	1	27	83	2	0	4	12	6	2	145	0	0	147	31	1	1	54	33	269
Total	0	267	7	69	274	9	0	12	67	21	12	608	1	2	621	141	2	7	219	150	1066
Approach %	0.0	97.4	2.6	-	-	42.9	0.0	57.1	-	-	1.9	97.9	0.2	-	-	94.0	1.3	4.7	-	-	-
Total %	0.0	25.0	0.7	-	25.7	0.8	0.0	1.1	-	2.0	1.1	57.0	0.1	-	58.3	13.2	0.2	0.7	-	14.1	-
PHF	0.000	0.814	0.583	-	0.825	0.563	0.000	0.750	-	0.656	0.600	0.962	0.250	-	0.976	0.839	0.500	0.583	-	0.872	0.983
Motorcycles	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	0	0	-	0	1
% Motorcycles	-	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	0.2	0.0	-	0.2	0.0	0.0	0.0	-	0.0	0.1
Cars & Light Goods	0	247	7	-	254	9	0	12	-	21	12	591	0	-	603	141	2	7	-	150	1028
% Cars & Light Goods	-	92.5	100.0	-	92.7	100.0	-	100.0	-	100.0	100.0	97.2	0.0	-	97.1	100.0	100.0	100.0	-	100.0	96.4
Buses	0	16	0	-	16	0	0	0	-	0	0	12	0	-	12	0	0	0	-	0	28
% Buses	-	6.0	0.0	-	5.8	0.0	-	0.0	-	0.0	0.0	2.0	0.0	-	1.9	0.0	0.0	0.0	-	0.0	2.6
Single-Unit Trucks	0	2	0	-	2	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	2
% Single-Unit Trucks	-	0.7	0.0	-	0.7	0.0	-	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.2
Articulated Trucks	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	-	0.4	0.0	-	0.4	0.0	-	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.1
Bicycles on Road	0	1	0	-	1	0	0	0	-	0	0	4	1	-	5	0	0	0	-	0	6
% Bicycles on Road	-	0.4	0.0	-	0.4	0.0	-	0.0	-	0.0	0.0	0.7	100.0	-	0.8	0.0	0.0	0.0	-	0.0	0.6
Bicycles on Crosswalk	-	-	-	5	-	-	-	-	6	-	-	-	-	0	-	-	-	-	6	-	-
% Bicycles on Crosswalk	-	-	-	7.2	-	-	-	-	9.0	-	-	-	-	0.0	-	-	-	-	2.7	-	-
Pedestrians	-	-	-	64	-	-	-	-	61	-	-	-	-	2	-	-	-	-	213	-	-
% Pedestrians	-	-	-	92.8	-	-	-	-	91.0	-	-	-	-	100.0	-	-	-	-	97.3	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Maiden Lane
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU5RA
 NE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_25
 Maiden & Island_11-19-19
 Site Code: TMC_25
 Traffic Data Collection, LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:30 PM)



Project: Lower Town Area
Mobility Study
Corridor: Maiden Lane
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU5RA
NE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_25
Maiden & Island_11-19-19
Site Code: TMC_25
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized intersection. EB & WB approaches are stop controlled. VCU camera was located within NE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_25 Maiden & Island_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728566, Location: 42.287652, -83.73335, Site Code: TMC_25 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Maiden Lane Southbound						Island Drive Westbound						Maiden Lane Northbound						Canal Street (S) / Island Dr Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 6:00AM	0	90	0	0	90	2	0	0	3	0	3	0	0	22	0	0	22	2	3	0	0	0	3	7	118
6:15AM	0	86	1	0	87	0	2	0	3	0	5	2	0	29	0	0	29	0	5	0	0	0	5	6	126
6:30AM	0	106	0	0	106	1	1	0	3	0	4	0	1	39	0	0	40	0	6	0	1	0	7	15	157
6:45AM	0	103	1	0	104	3	2	0	6	0	8	2	2	50	0	0	52	0	10	0	0	0	10	20	174
Hourly Total	0	385	2	0	387	6	5	0	15	0	20	4	3	140	0	0	143	2	24	0	1	0	25	48	575
7:00AM	0	96	0	0	96	3	2	1	3	0	6	0	1	51	0	0	52	4	18	0	1	0	19	11	173
7:15AM	0	113	1	0	114	3	1	0	0	0	1	4	0	72	0	0	72	1	20	0	1	0	21	33	208
7:30AM	0	126	1	0	127	4	3	0	5	0	8	6	1	90	0	0	91	2	28	0	0	0	28	28	254
7:45AM	0	123	2	0	125	13	4	0	3	0	7	13	2	116	0	0	118	2	36	0	1	0	37	71	287
Hourly Total	0	458	4	0	462	23	10	1	11	0	22	23	4	329	0	0	333	9	102	0	3	0	105	143	922
8:00AM	0	122	0	0	122	5	2	0	2	0	4	7	1	92	0	0	93	2	31	0	0	0	31	54	250
8:15AM	0	128	1	0	129	4	4	0	3	0	7	10	0	81	0	0	81	0	25	1	1	0	27	44	244
8:30AM	0	142	1	0	143	8	5	0	2	0	7	9	1	75	0	0	76	0	26	0	2	0	28	55	254
8:45AM	0	138	1	0	139	4	3	0	3	0	6	5	2	69	0	0	71	2	42	1	1	0	44	40	260
Hourly Total	0	530	3	0	533	21	14	0	10	0	24	31	4	317	0	0	321	4	124	2	4	0	130	193	1008
9:00AM	0	102	3	0	105	11	5	0	5	0	10	7	6	69	0	0	75	1	47	1	0	0	48	33	238
9:15AM	0	68	0	0	68	3	0	0	4	0	4	4	2	65	0	0	67	1	26	0	0	0	26	23	165
9:30AM	0	92	1	0	93	15	2	0	2	0	4	16	4	65	0	0	69	3	27	1	3	0	31	47	197
9:45AM	0	75	3	0	78	10	2	0	2	0	4	8	4	72	0	0	76	0	16	2	5	0	23	37	181
Hourly Total	0	337	7	0	344	39	9	0	13	0	22	35	16	271	0	0	287	5	116	4	8	0	128	140	781
10:00AM	0	54	3	0	57	6	4	0	2	0	6	5	3	57	0	0	60	1	30	1	4	0	35	16	158
10:15AM	0	72	1	0	73	1	6	0	3	0	9	3	3	78	0	0	81	0	32	1	1	0	34	11	197
10:30AM	0	63	1	0	64	3	1	0	2	0	3	5	6	75	0	1	82	0	25	0	9	0	34	13	183
10:45AM	0	58	0	0	58	4	2	0	4	0	6	6	3	69	0	0	72	2	33	0	4	0	37	12	173
Hourly Total	0	247	5	0	252	14	13	0	11	0	24	19	15	279	0	1	295	3	120	2	18	0	140	52	711
11:00AM	0	47	2	0	49	2	1	0	6	0	7	1	3	68	0	0	71	3	16	1	5	0	22	16	149
11:15AM	0	70	0	0	70	4	1	0	3	0	4	1	1	71	0	0	72	2	18	1	1	0	20	12	166
11:30AM	0	60	4	0	64	2	1	1	5	0	7	3	3	70	0	0	73	1	13	0	0	0	13	10	157
11:45AM	0	79	2	0	81	4	2	0	2	0	4	4	3	75	0	0	78	0	26	0	3	0	29	16	192
Hourly Total	0	256	8	0	264	12	5	1	16	0	22	9	10	284	0	0	294	6	73	2	9	0	84	54	664
12:00PM	0	63	4	0	67	2	3	0	5	0	8	8	1	98	0	0	99	0	24	0	2	0	26	8	200
12:15PM	0	58	1	0	59	6	2	0	5	0	7	11	4	86	0	0	90	1	24	0	5	0	29	19	185
12:30PM	0	61	1	0	62	2	6	0	3	0	9	6	1	73	0	0	74	0	21	0	1	0	22	14	167
12:45PM	0	53	1	0	54	4	2	0	3	0	5	6	3	71	0	0	74	1	25	0	3	0	28	12	161
Hourly Total	0	235	7	0	242	14	13	0	16	0	29	31	9	328	0	0	337	2	94	0	11	0	105	53	713
1:00PM	0	50	3	0	53	4	2	0	1	0	3	5	2	83	0	0	85	1	22	0	3	0	25	13	166
1:15PM	0	69	3	0	72	3	4	0	1	0	5	7	3	57	0	1	61	1	16	0	3	0	19	16	157
1:30PM	0	51	2	0	53	5	3	0	0	0	3	1	1	68	0	0	69	0	24	0	1	0	25	12	150
1:45PM	0	67	5	0	72	1	6	1	0	0	7	1	5	85	0	0	90	0	16	0	1	0	17	4	186
Hourly Total	0	237	13	0	250	13	15	1	2	0	18	14	11	293	0	1	305	2	78	0	8	0	86	45	659
2:00PM	0	52	0	0	52	3	6	0	3	0	9	5	3	82	0	0	85	0	17	0	1	0	18	12	164
2:15PM	0	68	0	0	68	3	5	0	1	0	6	5	2	78	0	0	80	0	22	0	0	0	22	13	176
2:30PM	0	68	4	0	72	6	4	0	3	0	7	4	5	110	0	0	115	0	17	0	1	0	18	25	212
2:45PM	0	70	1	0	71	1	3	0	1	0	4	3	0	97	0	0	97	1	36	0	0	0	36	8	208
Hourly Total	0	258	5	0	263	13	18	0	8	0	26	17	10	367	0	0	377	1	92	0	2	0	94	58	760
3:00PM	0	56	0	0	56	0	2	0	2	0	4	6	2	112	0	0	114	0	16	0	0	0	16	12	190
3:15PM	0	60	4	0	64	6	2	0	2	0	4	3	3	146	0	0	149	1	24	0	2	0	26	14	243
3:30PM	0	54	1	0	55	7	2	0	1	0	3	5	3	139	0	0	142	0	23	0	1	0	24	25	224
3:45PM	0	50	3	0	53	11	2	0	2	0	4	9	2	132	0	0	134	1	20	1	1	0	22	26	213
Hourly Total	0	220	8	0	228	24	8	0	7	0	15	23	10	529	0	0	539	2	83	1	4	0	88	77	870
4:00PM	0	61	2	0	63	10	4	0	2	0	6	10	3	133	0	0	136	1	19	1	1	0	21	32	226
4:15PM	0	55	3	0	58	14	0	0	1	0	1	8	2	168	0	0	170	0	26	0	1	0	27	39	256
4:30PM	0	57	3	0	60	10	2	0	1	0	3	14	4	154	0	0	158	0	33	1	2	0	36	48	257
4:45PM	0	64	2	0	66	10	4	0	4	0	8	11	5	151	1	0	157	0	35	0	3	0	38	46	269
Hourly Total	0	237	10	0	247	44	10	0	8	0	18	43	14	606	1	0	621	1	113	2	7	0	122	165	1008
5:00PM	0	64	1	0	65	22	1	0	3	0	4	30	1	158	0	0	159	2	42	0	1	0	43	71	271
5:15PM	0	82	1	0	83	27	2	0	4	0	6	12	2	145	0	0	147	0	31	1	1	0	33	54	269
5:30PM	0	71	6	0	77	15	5	0	2	0	7	8	4	126	0	0	130	0	23	0	1	0	24	44	238
5:45PM	0	91	5	0	96	11	4	0	4	0	8	13	4	99	0	0	103	0	20	0	0	0	20	40	227
Hourly Total	0	308	13	0	321	75	12	0	13	0	25	63	11	528	0	0	539	2	116	1	3	0	120	209	1005
6:00PM	0	65	4	0	69	7	1	0	3	0	4	8	4	90	0	0	94	0	16	0	1	0	17	24	184
6:15PM	1	59	3	0	63	13	2	0	5	0	7	7	4	83	0	0	87	0	19	1	0	0	20	27	177
6:30PM	1	66	4	0	71	6	4	0	5	0	9	5	4	73	0	0	77	1	17	0	0	0	17</		

Leg Direction	Maiden Lane Southbound					Island Drive Westbound					Maiden Lane Northbound					Canal Street (S) / Island Dr Eastbound					Int				
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
Lights	0	3734	95	0	3829	-	138	0	141	0	279	-	127	4341	0	2	4470	-	1159	13	73	0	1245	-	9823
% Lights	0%	94.2%	96.0%	0%	94.2%	-	96.5%	0%	97.2%	0%	95.9%	-	97.7%	94.9%	0%	100%	95.0%	-	96.5%	86.7%	91.3%	0%	96.1%	-	94.9%
Single-Unit Trucks	0	46	2	0	48	-	2	0	1	0	3	-	2	64	0	0	66	-	20	1	6	0	27	-	144
% Single-Unit Trucks	0%	1.2%	2.0%	0%	1.2%	-	1.4%	0%	0.7%	0%	1.0%	-	1.5%	1.4%	0%	0%	1.4%	-	1.7%	6.7%	7.5%	0%	2.1%	-	1.4%
Articulated Trucks	0	7	0	0	7	-	0	0	0	0	0	-	0	6	0	0	6	-	0	0	0	0	0	-	13
% Articulated Trucks	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	166	0	0	166	-	1	0	1	0	2	-	0	149	0	0	149	-	19	0	1	0	20	-	337
% Buses	0%	4.2%	0%	0%	4.1%	-	0.7%	0%	0.7%	0%	0.7%	-	0%	3.3%	0%	0%	3.2%	-	1.6%	0%	1.3%	0%	1.5%	-	3.3%
Pedestrians	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Pedestrians	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Bicycles on Road	2	5	2	0	9	-	2	3	2	0	7	-	1	10	1	0	12	-	3	1	0	0	4	-	32
% Bicycles on Road	100%	0.1%	2.0%	0%	0.2%	-	1.4%	100%	1.4%	0%	2.4%	-	0.8%	0.2%	100%	0%	0.3%	-	0.2%	6.7%	0%	0%	0.3%	-	0.3%
Pedestrians	-	-	-	-	-	308	-	-	-	-	-	317	-	-	-	-	-	39	-	-	-	-	-	-	1291
% Pedestrians	-	-	-	-	-	-93.1%	-	-	-	-	-	-93.0%	-	-	-	-	-	-97.5%	-	-	-	-	-	-	-97.0%
Bicycles on Crosswalk	-	-	-	-	-	23	-	-	-	-	-	24	-	-	-	-	-	1	-	-	-	-	-	-	40
% Bicycles on Crosswalk	-	-	-	-	-	6.9%	-	-	-	-	-	7.0%	-	-	-	-	-	2.5%	-	-	-	-	-	-	3.0%

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_25 Maiden & Island_11-19-19 - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

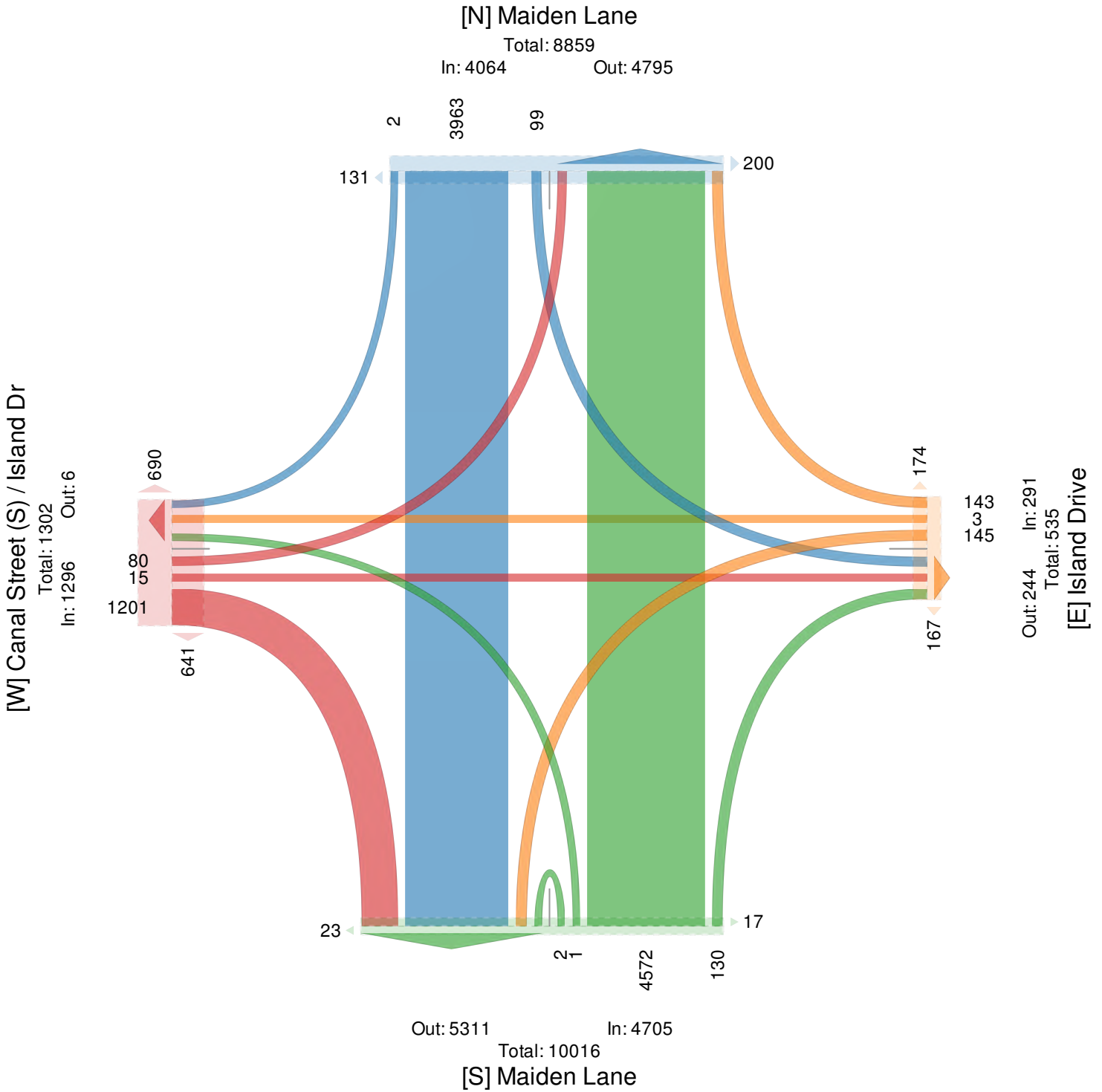
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728566, Location: 42.287652, -83.73335, Site Code: TMC_25 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US



TMC_25 Maiden & Island_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728566, Location: 42.287652, -83.73335, Site Code: TMC_25 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Maiden Lane Southbound						Island Drive Westbound						Maiden Lane Northbound						Canal Street (S) / Island Dr Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 7:30AM	0	126	1	0	127	4	3	0	5	0	8	6	1	90	0	0	91	2	28	0	0	0	28	28	254
7:45AM	0	123	2	0	125	13	4	0	3	0	7	13	2	116	0	0	118	2	36	0	1	0	37	71	287
8:00AM	0	122	0	0	122	5	2	0	2	0	4	7	1	92	0	0	93	2	31	0	0	0	31	54	250
8:15AM	0	128	1	0	129	4	4	0	3	0	7	10	0	81	0	0	81	0	25	1	1	0	27	44	244
Total	0	499	4	0	503	26	13	0	13	0	26	36	4	379	0	0	383	6	120	1	2	0	123	197	1035
% Approach	0%	99.2%	0.8%	0%	-	-	50.0%	0%	50.0%	0%	-	-	1.0%	99.0%	0%	0%	-	-	97.6%	0.8%	1.6%	0%	-	-	-
% Total	0%	48.2%	0.4%	0%	48.6%	-	1.3%	0%	1.3%	0%	2.5%	-	0.4%	36.6%	0%	0%	37.0%	-	11.6%	0.1%	0.2%	0%	11.9%	-	-
PHF	-	0.975	0.500	-	0.975	-	0.750	-	0.650	-	0.781	-	0.500	0.817	-	-	0.811	-	0.833	0.250	0.500	-	0.831	-	0.901
Motorcycles	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Motorcycles	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Lights	0	479	4	0	483	-	12	0	13	0	25	-	4	356	0	0	360	-	113	1	2	0	116	-	984
% Lights	0%	96.0%	100%	0%	96.0%	-	92.3%	0%	100%	0%	96.2%	-	100%	93.9%	0%	0%	94.0%	-	94.2%	100%	100%	0%	94.3%	-	95.1%
Single-Unit Trucks	0	3	0	0	3	-	0	0	0	0	0	-	0	4	0	0	4	-	4	0	0	0	4	-	11
% Single-Unit Trucks	0%	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	0%	1.1%	0%	0%	1.0%	-	3.3%	0%	0%	0%	3.3%	-	1.1%
Articulated Trucks	0	1	0	0	1	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	3
% Articulated Trucks	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0.3%
Buses	0	15	0	0	15	-	0	0	0	0	0	-	0	17	0	0	17	-	3	0	0	0	3	-	35
% Buses	0%	3.0%	0%	0%	3.0%	-	0%	0%	0%	0%	0%	-	0%	4.5%	0%	0%	4.4%	-	2.5%	0%	0%	0%	2.4%	-	3.4%
Pedestrians	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Pedestrians	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Bicycles on Road	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	-	7.7%	0%	0%	0%	3.8%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	25	-	-	-	-	-	34	-	-	-	-	-	5	-	-	-	-	-	193	-
% Pedestrians	-	-	-	-	-	-96.2%	-	-	-	-	-	-94.4%	-	-	-	-	-	-83.3%	-	-	-	-	-	-98.0%	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	4	-
% Bicycles on Crosswalk	-	-	-	-	-	-3.8%	-	-	-	-	-	-5.6%	-	-	-	-	-	-16.7%	-	-	-	-	-	-2.0%	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_25 Maiden & Island_11-19-19 - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM)

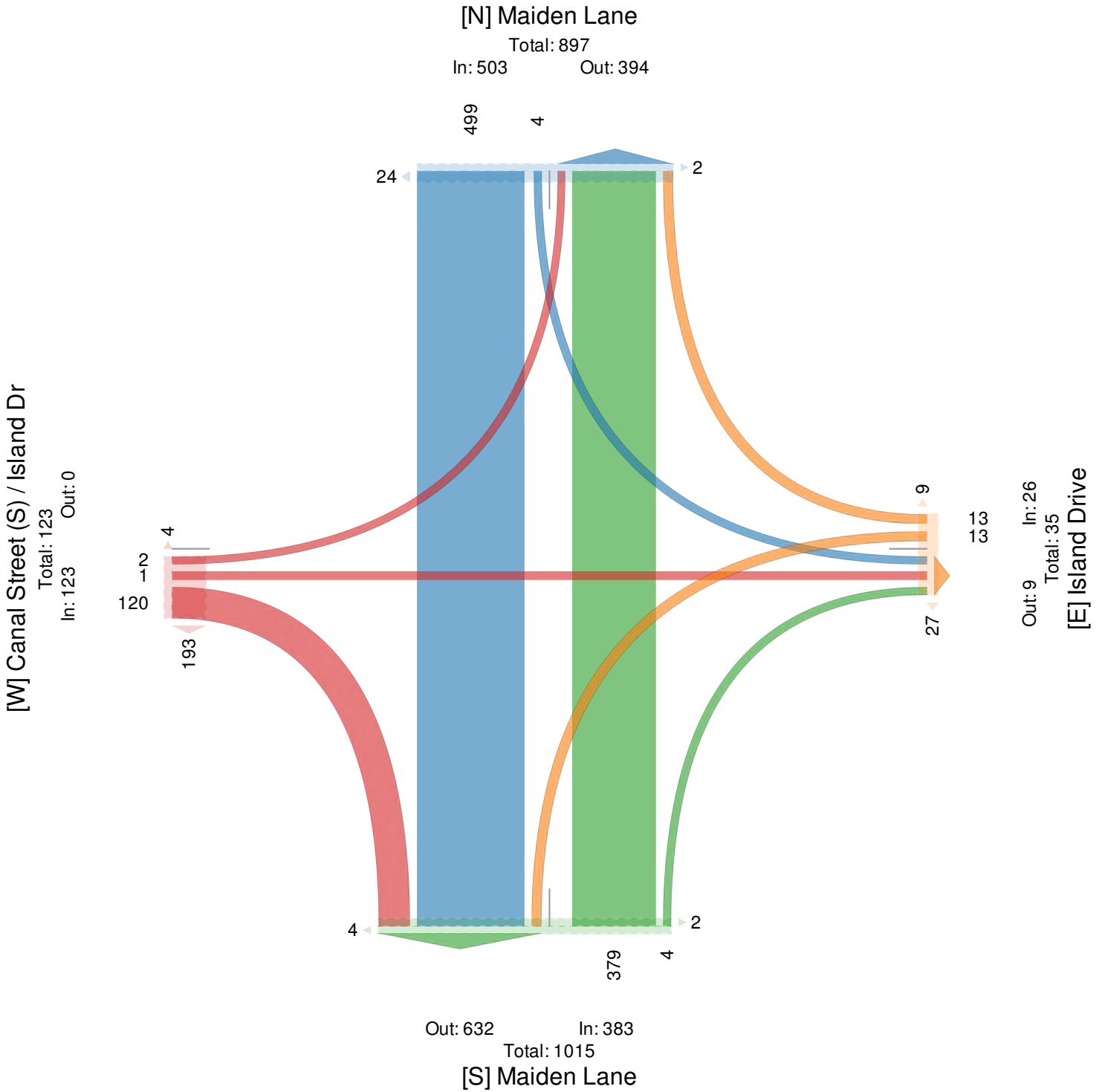
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728566, Location: 42.287652, -83.73335, Site Code: TMC_25 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
 7504 Sawgrass Drive,
 www.tdccounts.com,
 Washington, MI, 48094, US



TMC_25 Maiden & Island_11-19-19 - TMC

Tue Nov 19, 2019

Middy Peak (11:45 AM - 12:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728566, Location: 42.287652, -83.73335, Site Code: TMC_25 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Maiden Lane Southbound						Island Drive Westbound						Maiden Lane Northbound						Canal Street (S) / Island Dr Eastbound						
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	Int
2019-11-19 11:45AM	0	79	2	0	81	4	2	0	2	0	4	4	3	75	0	0	78	0	26	0	3	0	29	16	192
12:00PM	0	63	4	0	67	2	3	0	5	0	8	8	1	98	0	0	99	0	24	0	2	0	26	8	200
12:15PM	0	58	1	0	59	6	2	0	5	0	7	11	4	86	0	0	90	1	24	0	5	0	29	19	185
12:30PM	0	61	1	0	62	2	6	0	3	0	9	6	1	73	0	0	74	0	21	0	1	0	22	14	167
Total	0	261	8	0	269	14	13	0	15	0	28	29	9	332	0	0	341	1	95	0	11	0	106	57	744
% Approach	0%	97.0%	3.0%	0%	-	-	46.4%	0%	53.6%	0%	-	-	2.6%	97.4%	0%	0%	-	-	89.6%	0%	10.4%	0%	-	-	-
% Total	0%	35.1%	1.1%	0%	36.2%	-	1.7%	0%	2.0%	0%	3.8%	-	1.2%	44.6%	0%	0%	45.8%	-	12.8%	0%	1.5%	0%	14.2%	-	-
PHF	-	0.823	0.500	-	0.827	-	0.542	-	0.750	-	0.778	-	0.563	0.844	-	-	0.859	-	0.913	-	0.550	-	0.914	-	0.928
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	0	246	8	0	254	-	13	0	14	0	27	-	9	318	0	0	327	-	94	0	11	0	105	-	713
% Lights	0%	94.3%	100%	0%	94.4%	-	100%	0%	93.3%	0%	96.4%	-	100%	95.8%	0%	0%	95.9%	-	98.9%	0%	100%	0%	99.1%	-	95.8%
Single-Unit Trucks	0	4	0	0	4	-	0	0	0	0	0	-	0	3	0	0	3	-	1	0	0	0	1	-	8
% Single-Unit Trucks	0%	1.5%	0%	0%	1.5%	-	0%	0%	0%	0%	0%	-	0%	0.9%	0%	0%	0.9%	-	1.1%	0%	0%	0%	0.9%	-	1.1%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Buses	0	10	0	0	10	-	0	0	1	0	1	-	0	10	0	0	10	-	0	0	0	0	0	-	21
% Buses	0%	3.8%	0%	0%	3.7%	-	0%	0%	6.7%	0%	3.6%	-	0%	3.0%	0%	0%	2.9%	-	0%	0%	0%	0%	0%	-	2.8%
Pedestrians	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Pedestrians	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Bicycles on Road	0	1	0	0	1	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.3%
Pedestrians	-	-	-	-	-	12	-	-	-	-	-	28	-	-	-	-	-	1	-	-	-	-	-	54	
% Pedestrians	-	-	-	-	-	-85.7%	-	-	-	-	-	-96.6%	-	-	-	-	-	-100%	-	-	-	-	-	-94.7%	
Bicycles on Crosswalk	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	3	
% Bicycles on Crosswalk	-	-	-	-	-	-14.3%	-	-	-	-	-	-3.4%	-	-	-	-	-	0%	-	-	-	-	-	-5.3%	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_25 Maiden & Island_11-19-19 - TMC

Tue Nov 19, 2019

Midday Peak (11:45 AM - 12:45 PM)

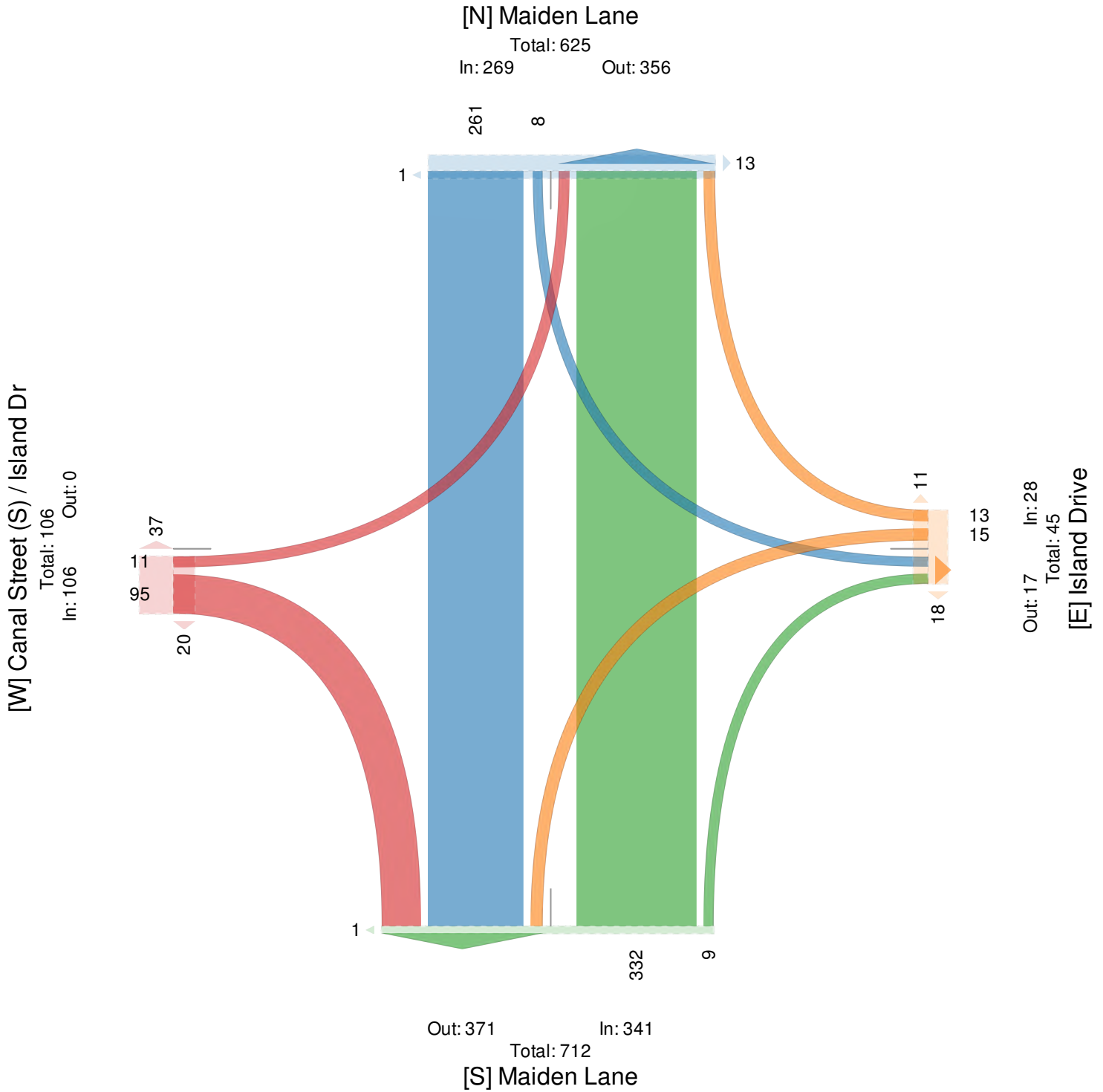
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728566, Location: 42.287652, -83.73335, Site Code: TMC_25 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US



TMC_25 Maiden & Island_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728566, Location: 42.287652, -83.73335, Site Code: TMC_25 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Maiden Lane Southbound						Island Drive Westbound						Maiden Lane Northbound						Canal Street (S) / Island Dr Eastbound						Int
	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*	
2019-11-19 4:30PM	0	57	3	0	60	10	2	0	1	0	3	14	4	154	0	0	158	0	33	1	2	0	36	48	257
4:45PM	0	64	2	0	66	10	4	0	4	0	8	11	5	151	1	0	157	0	35	0	3	0	38	46	269
5:00PM	0	64	1	0	65	22	1	0	3	0	4	30	1	158	0	0	159	2	42	0	1	0	43	71	271
5:15PM	0	82	1	0	83	27	2	0	4	0	6	12	2	145	0	0	147	0	31	1	1	0	33	54	269
Total	0	267	7	0	274	69	9	0	12	0	21	67	12	608	1	0	621	2	141	2	7	0	150	219	1066
% Approach	0%	97.4%	2.6%	0%	-	-	42.9%	0%	57.1%	0%	-	-	1.9%	97.9%	0.2%	0%	-	-	94.0%	1.3%	4.7%	0%	-	-	-
% Total	0%	25.0%	0.7%	0%	25.7%	-	0.8%	0%	1.1%	0%	2.0%	-	1.1%	57.0%	0.1%	0%	58.3%	-	13.2%	0.2%	0.7%	0%	14.1%	-	-
PHF	-	0.811	0.583	-	0.822	-	0.563	-	0.750	-	0.656	-	0.600	0.962	-	-	0.975	-	0.839	0.500	0.583	-	0.872	-	0.985
Motorcycles	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1
% Motorcycles	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.2%	0%	0%	0.2%	0%	0%	0%	0%	0%	0%	0%	0.1%
Lights	0	247	7	0	254	-	9	0	12	0	21	-	12	591	0	0	603	-	141	2	7	0	150	-	1028
% Lights	0%	92.5%	100%	0%	92.7%	-	100%	0%	100%	0%	100%	-	100%	97.2%	0%	0%	97.1%	-	100%	100%	100%	0%	100%	-	96.4%
Single-Unit Trucks	0	2	0	0	2	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	2
% Single-Unit Trucks	0%	0.7%	0%	0%	0.7%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.2%
Articulated Trucks	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Articulated Trucks	0%	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	16	0	0	16	-	0	0	0	0	0	-	0	12	0	0	12	-	0	0	0	0	0	-	28
% Buses	0%	6.0%	0%	0%	5.8%	-	0%	0%	0%	0%	0%	-	0%	2.0%	0%	0%	1.9%	-	0%	0%	0%	0%	0%	-	2.6%
Pedestrians	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0
% Pedestrians	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Bicycles on Road	0	1	0	0	1	-	0	0	0	0	0	-	0	4	1	0	5	-	0	0	0	0	0	-	6
% Bicycles on Road	0%	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	0.7%	100%	0%	0.8%	-	0%	0%	0%	0%	0%	-	0.6%
Pedestrians	-	-	-	-	-	64	-	-	-	-	-	61	-	-	-	-	-	2	-	-	-	-	-	213	
% Pedestrians	-	-	-	-	-	-92.8%	-	-	-	-	-	-91.0%	-	-	-	-	-	-100%	-	-	-	-	-	-97.3%	
Bicycles on Crosswalk	-	-	-	-	-	5	-	-	-	-	-	6	-	-	-	-	-	0	-	-	-	-	-	6	
% Bicycles on Crosswalk	-	-	-	-	-	-7.2%	-	-	-	-	-	-9.0%	-	-	-	-	-	0%	-	-	-	-	-	-2.7%	

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_25 Maiden & Island_11-19-19 - TMC

Tue Nov 19, 2019

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

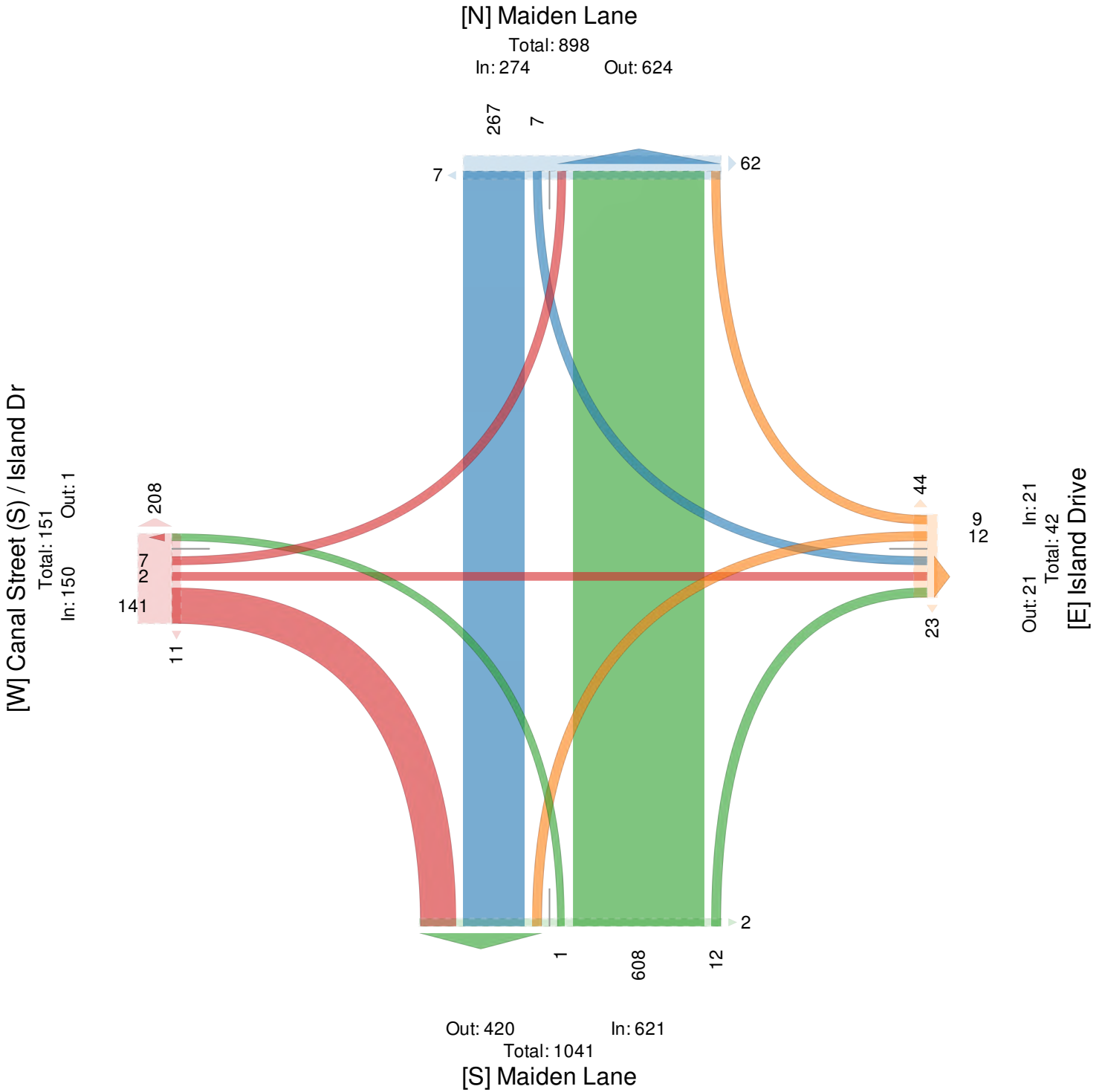
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728566, Location: 42.287652, -83.73335, Site Code: TMC_25 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
 7504 Sawgrass Drive,
 www.tdccounts.com,
 Washington, MI, 48094, US





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3DQ
 NE

Count Name: TMC_26
 Pontiac Trail & Arrowwood
 Trail_11-19-19
 Site Code: TMC_26
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Turning Movement Data

Start Time	Pontiac Trail Southbound				Arrowwood Trail Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
6:00 AM	27	1	0	28	2	3	0	5	0	3	0	3	36
6:15 AM	44	2	0	46	3	7	0	10	0	3	0	3	59
6:30 AM	44	1	0	45	3	10	0	13	0	18	0	18	76
6:45 AM	48	2	0	50	3	7	0	10	2	12	0	14	74
Hourly Total	163	6	0	169	11	27	0	38	2	36	0	38	245
7:00 AM	72	0	0	72	5	13	0	18	3	18	0	21	111
7:15 AM	116	2	0	118	8	8	2	16	5	28	0	33	167
7:30 AM	120	3	0	123	8	22	2	30	3	66	0	69	222
7:45 AM	142	0	0	142	16	8	2	24	6	52	0	58	224
Hourly Total	450	5	0	455	37	51	6	88	17	164	0	181	724
8:00 AM	165	1	0	166	3	15	2	18	8	42	0	50	234
8:15 AM	122	4	0	126	10	11	1	21	7	56	0	63	210
8:30 AM	119	6	0	125	8	14	1	22	4	38	0	42	189
8:45 AM	101	3	0	104	6	10	1	16	8	51	0	59	179
Hourly Total	507	14	0	521	27	50	5	77	27	187	0	214	812
9:00 AM	78	5	0	83	7	5	0	12	5	26	0	31	126
9:15 AM	54	5	0	59	4	7	0	11	1	29	0	30	100
9:30 AM	42	3	0	45	8	8	1	16	7	22	0	29	90
9:45 AM	32	1	0	33	8	10	1	18	1	25	0	26	77
Hourly Total	206	14	0	220	27	30	2	57	14	102	0	116	393
10:00 AM	33	6	0	39	2	9	0	11	5	29	0	34	84
10:15 AM	29	3	0	32	3	5	2	8	5	21	0	26	66
10:30 AM	27	2	0	29	4	8	0	12	3	20	0	23	64
10:45 AM	33	6	1	39	5	2	1	7	2	30	0	32	78
Hourly Total	122	17	1	139	14	24	3	38	15	100	0	115	292
11:00 AM	37	3	0	40	5	9	0	14	3	26	0	29	83
11:15 AM	40	1	0	41	1	5	0	6	7	30	0	37	84
11:30 AM	40	2	0	42	5	7	0	12	17	24	0	41	95
11:45 AM	38	1	0	39	9	5	2	14	9	24	0	33	86
Hourly Total	155	7	0	162	20	26	2	46	36	104	0	140	348
12:00 PM	23	5	0	28	4	9	0	13	2	31	0	33	74
12:15 PM	27	2	0	29	2	6	1	8	15	29	0	44	81
12:30 PM	31	3	0	34	8	2	0	10	8	26	0	34	78
12:45 PM	34	7	0	41	3	10	2	13	7	33	0	40	94
Hourly Total	115	17	0	132	17	27	3	44	32	119	0	151	327
1:00 PM	29	1	0	30	5	14	1	19	9	37	2	46	95
1:15 PM	19	3	0	22	5	6	0	11	8	23	0	31	64
1:30 PM	28	5	0	33	9	5	0	14	8	25	0	33	80
1:45 PM	28	7	0	35	1	6	0	7	4	31	0	35	77
Hourly Total	104	16	0	120	20	31	1	51	29	116	2	145	316
2:00 PM	26	4	0	30	6	11	0	17	8	27	0	35	82
2:15 PM	32	1	0	33	3	8	0	11	5	45	0	50	94
2:30 PM	36	5	0	41	7	9	2	16	7	37	0	44	101
2:45 PM	39	5	0	44	2	12	2	14	14	49	0	63	121
Hourly Total	133	15	0	148	18	40	4	58	34	158	0	192	398
3:00 PM	46	1	0	47	6	20	2	26	9	56	0	65	138
3:15 PM	48	6	0	54	6	11	4	17	12	61	0	73	144
3:30 PM	31	6	0	37	2	9	9	11	11	97	0	108	156
3:45 PM	29	6	0	35	5	9	2	14	11	74	0	85	134
Hourly Total	154	19	0	173	19	49	17	68	43	288	0	331	572
4:00 PM	42	7	0	49	1	6	0	7	6	82	0	88	144
4:15 PM	38	7	0	45	4	6	0	10	8	114	0	122	177
4:30 PM	33	9	0	42	1	15	0	16	20	104	0	124	182
4:45 PM	56	8	0	64	7	18	0	25	15	139	0	154	243
Hourly Total	169	31	0	200	13	45	0	58	49	439	0	488	746
5:00 PM	49	6	0	55	8	7	1	15	12	120	0	132	202
5:15 PM	57	10	0	67	2	8	0	10	15	119	0	134	211

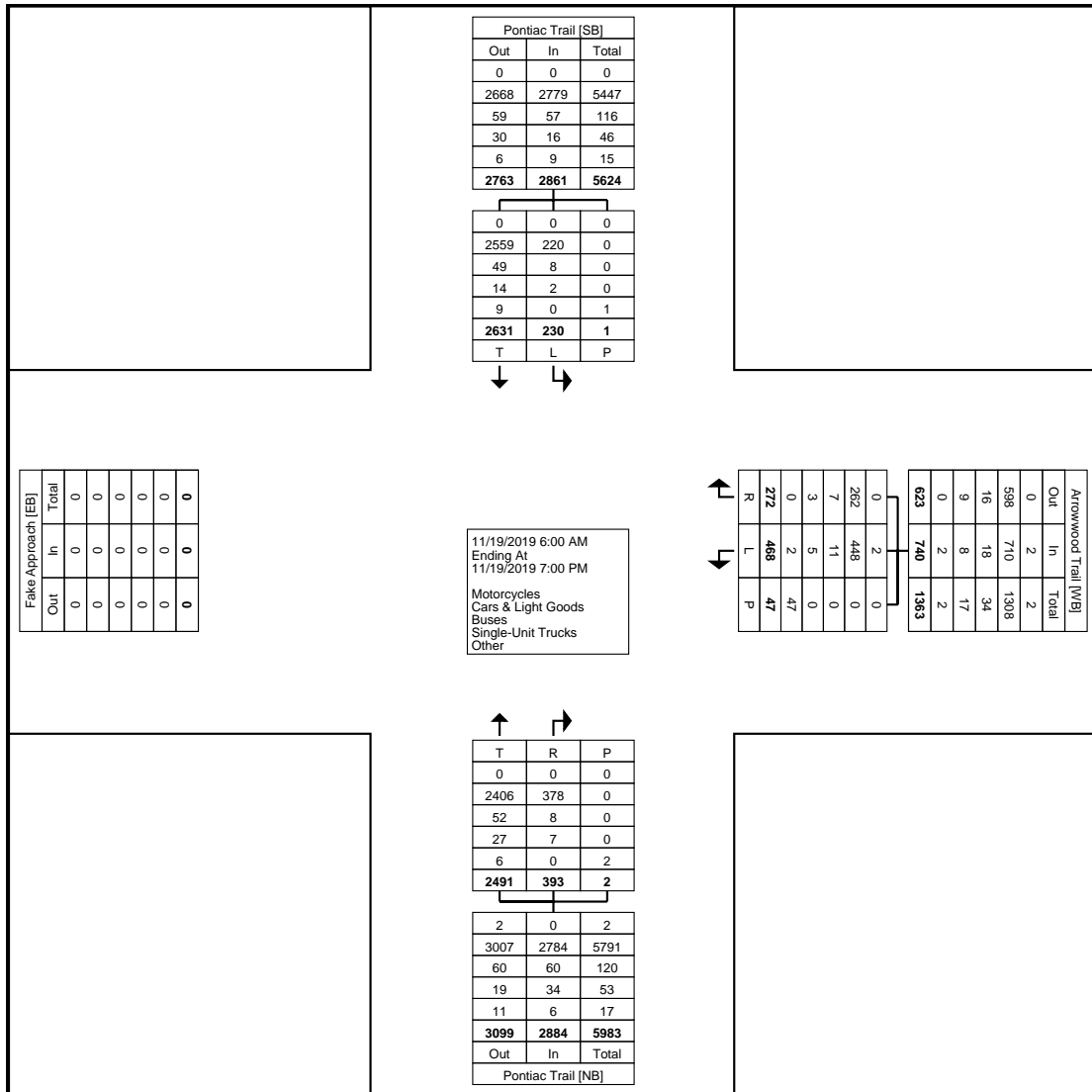
5:30 PM	50	10	0	60	4	7	0	11	17	97	0	114	185
5:45 PM	48	11	0	59	10	10	0	20	4	91	0	95	174
Hourly Total	204	37	0	241	24	32	1	56	48	427	0	475	772
6:00 PM	40	10	0	50	9	12	1	21	19	79	0	98	169
6:15 PM	34	11	0	45	9	10	2	19	8	61	0	69	133
6:30 PM	45	6	0	51	5	8	0	13	10	53	0	63	127
6:45 PM	30	5	0	35	2	6	0	8	10	58	0	68	111
Hourly Total	149	32	0	181	25	36	3	61	47	251	0	298	540
Grand Total	2631	230	1	2861	272	468	47	740	393	2491	2	2884	6485
Approach %	92.0	8.0	-	-	36.8	63.2	-	-	13.6	86.4	-	-	-
Total %	40.6	3.5	-	44.1	4.2	7.2	-	11.4	6.1	38.4	-	44.5	-
Motorcycles	0	0	-	0	0	2	-	2	0	0	-	0	2
% Motorcycles	0.0	0.0	-	0.0	0.0	0.4	-	0.3	0.0	0.0	-	0.0	0.0
Cars & Light Goods	2559	220	-	2779	262	448	-	710	378	2406	-	2784	6273
% Cars & Light Goods	97.3	95.7	-	97.1	96.3	95.7	-	95.9	96.2	96.6	-	96.5	96.7
Buses	49	8	-	57	7	11	-	18	8	52	-	60	135
% Buses	1.9	3.5	-	2.0	2.6	2.4	-	2.4	2.0	2.1	-	2.1	2.1
Single-Unit Trucks	14	2	-	16	3	5	-	8	7	27	-	34	58
% Single-Unit Trucks	0.5	0.9	-	0.6	1.1	1.1	-	1.1	1.8	1.1	-	1.2	0.9
Articulated Trucks	2	0	-	2	0	0	-	0	0	3	-	3	5
% Articulated Trucks	0.1	0.0	-	0.1	0.0	0.0	-	0.0	0.0	0.1	-	0.1	0.1
Bicycles on Road	7	0	-	7	0	2	-	2	0	3	-	3	12
% Bicycles on Road	0.3	0.0	-	0.2	0.0	0.4	-	0.3	0.0	0.1	-	0.1	0.2
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	0.0	-	-	-	0.0	-	-	-	0.0	-	-
Pedestrians	-	-	1	-	-	-	47	-	-	-	2	-	-
% Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	100.0	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3DQ
 NE

Count Name: TMC_26
 Pontiac Trail & Arrowwood
 Trail_11-19-19
 Site Code: TMC_26
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3



Turning Movement Data Plot



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3DQ
 NE

Count Name: TMC_26
 Pontiac Trail & Arrowwood
 Trail_11-19-19
 Site Code: TMC_26
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 4

Turning Movement Peak Hour Data (7:30 AM)

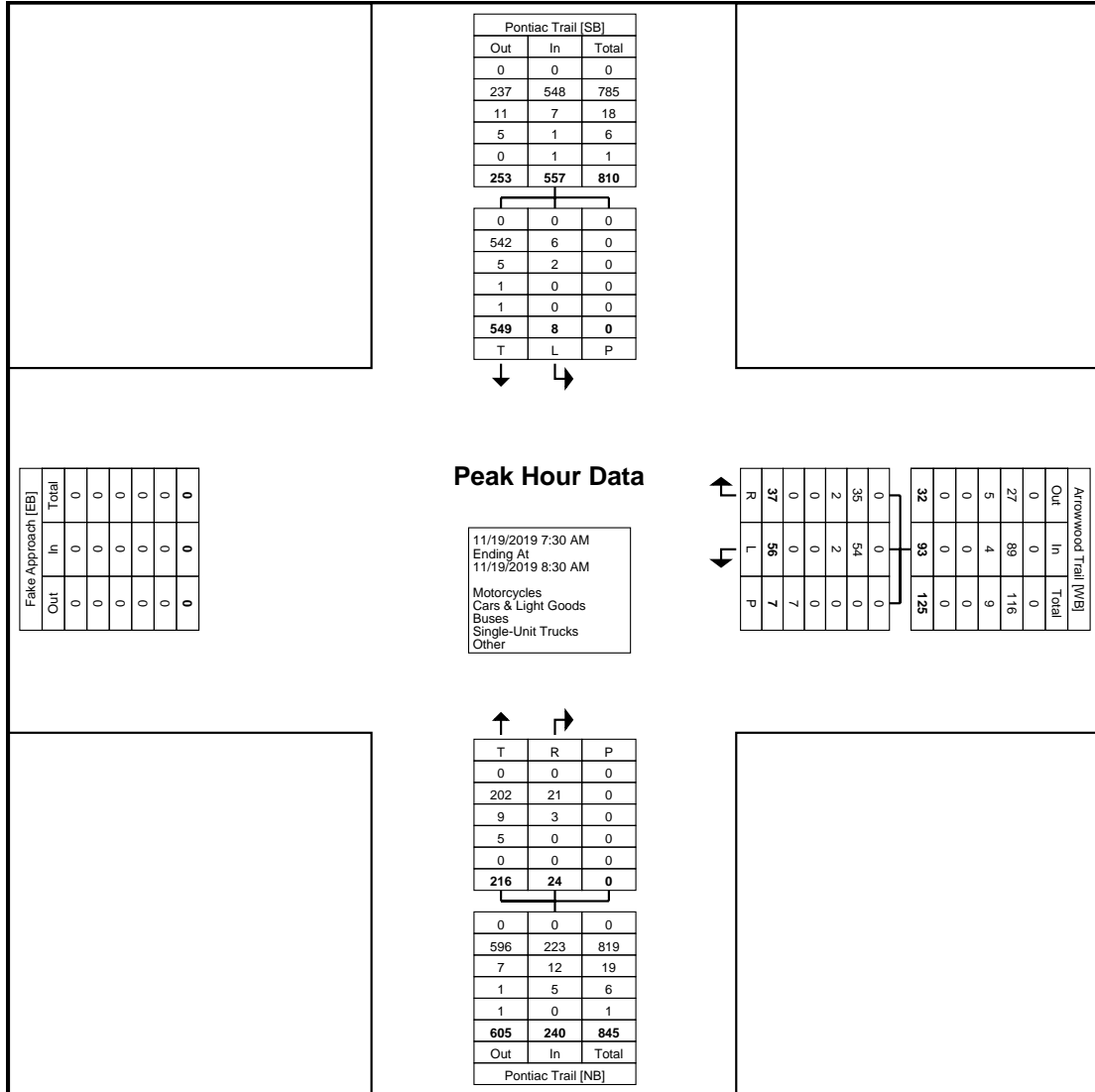
Start Time	Pontiac Trail Southbound				Arrowwood Trail Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
7:30 AM	120	3	0	123	8	22	2	30	3	66	0	69	222
7:45 AM	142	0	0	142	16	8	2	24	6	52	0	58	224
8:00 AM	165	1	0	166	3	15	2	18	8	42	0	50	234
8:15 AM	122	4	0	126	10	11	1	21	7	56	0	63	210
Total	549	8	0	557	37	56	7	93	24	216	0	240	890
Approach %	98.6	1.4	-	-	39.8	60.2	-	-	10.0	90.0	-	-	-
Total %	61.7	0.9	-	62.6	4.2	6.3	-	10.4	2.7	24.3	-	27.0	-
PHF	0.832	0.500	-	0.839	0.578	0.636	-	0.775	0.750	0.818	-	0.870	0.951
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	542	6	-	548	35	54	-	89	21	202	-	223	860
% Cars & Light Goods	98.7	75.0	-	98.4	94.6	96.4	-	95.7	87.5	93.5	-	92.9	96.6
Buses	5	2	-	7	2	2	-	4	3	9	-	12	23
% Buses	0.9	25.0	-	1.3	5.4	3.6	-	4.3	12.5	4.2	-	5.0	2.6
Single-Unit Trucks	1	0	-	1	0	0	-	0	0	5	-	5	6
% Single-Unit Trucks	0.2	0.0	-	0.2	0.0	0.0	-	0.0	0.0	2.3	-	2.1	0.7
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	1	0	-	1	0	0	-	0	0	0	-	0	1
% Bicycles on Road	0.2	0.0	-	0.2	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.1
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	7	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3DQ
 NE

Count Name: TMC_26
 Pontiac Trail & Arrowwood
 Trail_11-19-19
 Site Code: TMC_26
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 5



Turning Movement Peak Hour Data Plot (7:30 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3DQ
 NE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_26
 Pontiac Trail & Arrowwood
 Trail_11-19-19
 Site Code: TMC_26
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 6

Turning Movement Peak Hour Data (11:00 AM)

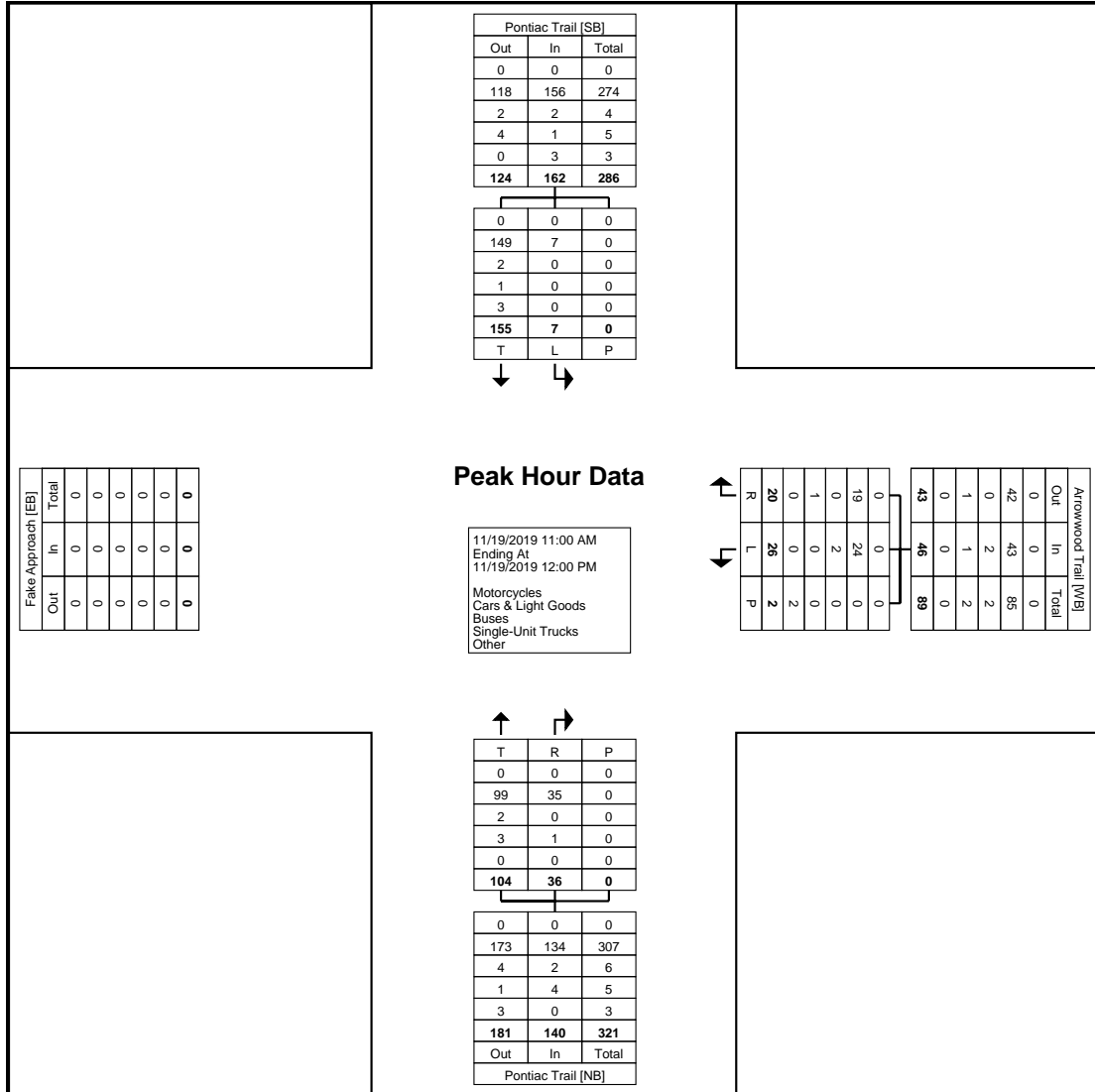
Start Time	Pontiac Trail Southbound				Arrowwood Trail Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
11:00 AM	37	3	0	40	5	9	0	14	3	26	0	29	83
11:15 AM	40	1	0	41	1	5	0	6	7	30	0	37	84
11:30 AM	40	2	0	42	5	7	0	12	17	24	0	41	95
11:45 AM	38	1	0	39	9	5	2	14	9	24	0	33	86
Total	155	7	0	162	20	26	2	46	36	104	0	140	348
Approach %	95.7	4.3	-	-	43.5	56.5	-	-	25.7	74.3	-	-	-
Total %	44.5	2.0	-	46.6	5.7	7.5	-	13.2	10.3	29.9	-	40.2	-
PHF	0.969	0.583	-	0.964	0.556	0.722	-	0.821	0.529	0.867	-	0.854	0.916
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	149	7	-	156	19	24	-	43	35	99	-	134	333
% Cars & Light Goods	96.1	100.0	-	96.3	95.0	92.3	-	93.5	97.2	95.2	-	95.7	95.7
Buses	2	0	-	2	0	2	-	2	0	2	-	2	6
% Buses	1.3	0.0	-	1.2	0.0	7.7	-	4.3	0.0	1.9	-	1.4	1.7
Single-Unit Trucks	1	0	-	1	1	0	-	1	1	3	-	4	6
% Single-Unit Trucks	0.6	0.0	-	0.6	5.0	0.0	-	2.2	2.8	2.9	-	2.9	1.7
Articulated Trucks	1	0	-	1	0	0	-	0	0	0	-	0	1
% Articulated Trucks	0.6	0.0	-	0.6	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.3
Bicycles on Road	2	0	-	2	0	0	-	0	0	0	-	0	2
% Bicycles on Road	1.3	0.0	-	1.2	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.6
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	2	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-



Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3DQ
 NE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_26
 Pontiac Trail & Arrowwood
 Trail_11-19-19
 Site Code: TMC_26
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 7



Turning Movement Peak Hour Data Plot (11:00 AM)



Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3DQ
 NE

Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name: TMC_26
 Pontiac Trail & Arrowwood
 Trail_11-19-19
 Site Code: TMC_26
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 8

Turning Movement Peak Hour Data (4:45 PM)

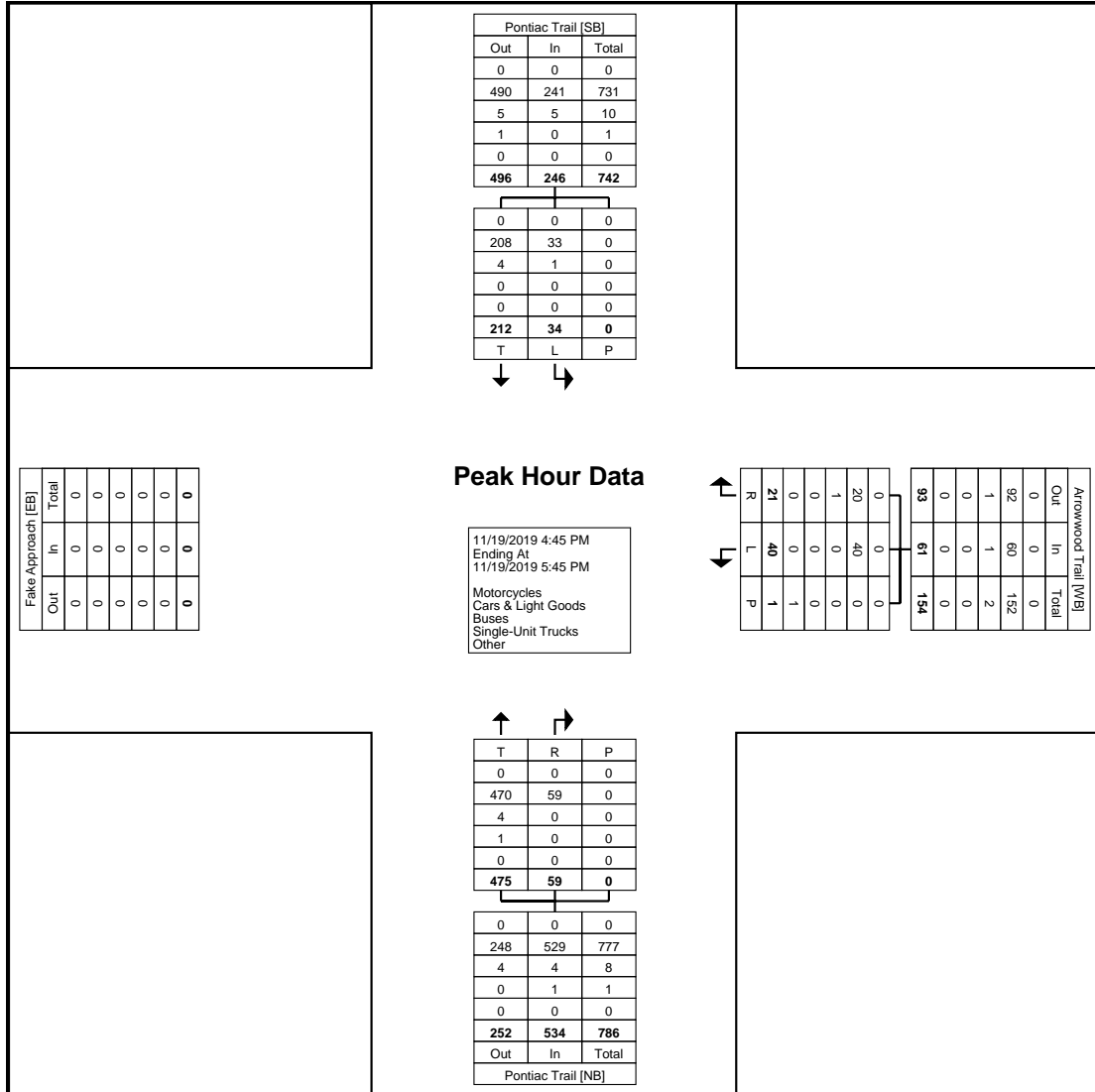
Start Time	Pontiac Trail Southbound				Arrowwood Trail Westbound				Pontiac Trail Northbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
4:45 PM	56	8	0	64	7	18	0	25	15	139	0	154	243
5:00 PM	49	6	0	55	8	7	1	15	12	120	0	132	202
5:15 PM	57	10	0	67	2	8	0	10	15	119	0	134	211
5:30 PM	50	10	0	60	4	7	0	11	17	97	0	114	185
Total	212	34	0	246	21	40	1	61	59	475	0	534	841
Approach %	86.2	13.8	-	-	34.4	65.6	-	-	11.0	89.0	-	-	-
Total %	25.2	4.0	-	29.3	2.5	4.8	-	7.3	7.0	56.5	-	63.5	-
PHF	0.930	0.850	-	0.918	0.656	0.556	-	0.610	0.868	0.854	-	0.867	0.865
Motorcycles	0	0	-	0	0	0	-	0	0	0	-	0	0
% Motorcycles	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Cars & Light Goods	208	33	-	241	20	40	-	60	59	470	-	529	830
% Cars & Light Goods	98.1	97.1	-	98.0	95.2	100.0	-	98.4	100.0	98.9	-	99.1	98.7
Buses	4	1	-	5	1	0	-	1	0	4	-	4	10
% Buses	1.9	2.9	-	2.0	4.8	0.0	-	1.6	0.0	0.8	-	0.7	1.2
Single-Unit Trucks	0	0	-	0	0	0	-	0	0	1	-	1	1
% Single-Unit Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.2	-	0.2	0.1
Articulated Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Articulated Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Bicycles on Crosswalk	-	-	0	-	-	-	0	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0.0	-	-	-	-	-	-
Pedestrians	-	-	0	-	-	-	1	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Project: Lower Town Area
 Mobility Study
 Corridor: Pontiac Trail
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU3DQ
 NE

Count Name: TMC_26
 Pontiac Trail & Arrowwood
 Trail_11-19-19
 Site Code: TMC_26
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 9



Turning Movement Peak Hour Data Plot (4:45 PM)



Project: Lower Town Area
Mobility Study
Corridor: Pontiac Trail
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU3DQ
NE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name: TMC_26
Pontiac Trail & Arrowwood
Trail_11-19-19
Site Code: TMC_26
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 10

TDC Traffic Comments: 13 hour video multi-modal intersection study includes premium vehicle classification turning movement count conducted during typical weekdays (Tuesday-Thursday) from 6:00 AM morning till 7:00 PM afternoon peak hours, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50.

Non-signalized intersection. Arrowwood Trail is stop controlled for Pontiac Trail at their intersection. Bike lanes exist on both sides of Pontiac Trail. VCU camera was located within NE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

TMC_26 Pontiac Trail & Arrowwood Trail_11-1... - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728567, Location: 42.307615, -83.73497, Site Code: TMC_26 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Arrowwood Trail Westbound					Pontiac Trail Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
Time																
2019-11-19 6:00AM	27	1	0	28	0	2	3	0	5	0	0	3	0	3	0	36
6:15AM	44	2	0	46	0	3	7	0	10	0	0	3	0	3	0	59
6:30AM	44	1	0	45	0	3	10	0	13	0	0	18	0	18	0	76
6:45AM	48	2	0	50	0	3	7	0	10	0	2	12	0	14	0	74
Hourly Total	163	6	0	169	0	11	27	0	38	0	2	36	0	38	0	245
7:00AM	72	0	0	72	0	5	13	0	18	0	3	18	0	21	0	111
7:15AM	116	2	0	118	0	8	8	0	16	2	5	28	0	33	0	167
7:30AM	120	3	0	123	0	8	22	0	30	2	3	66	0	69	0	222
7:45AM	142	0	0	142	0	16	8	0	24	2	6	52	0	58	0	224
Hourly Total	450	5	0	455	0	37	51	0	88	6	17	164	0	181	0	724
8:00AM	165	1	0	166	0	3	15	0	18	2	8	42	0	50	0	234
8:15AM	122	4	0	126	0	10	11	0	21	1	7	56	0	63	0	210
8:30AM	119	6	0	125	0	8	14	0	22	1	4	38	0	42	0	189
8:45AM	101	3	0	104	0	6	10	0	16	1	8	51	0	59	0	179
Hourly Total	507	14	0	521	0	27	50	0	77	5	27	187	0	214	0	812
9:00AM	78	5	0	83	0	7	5	0	12	0	5	26	0	31	0	126
9:15AM	54	5	0	59	0	4	7	0	11	0	1	29	0	30	0	100
9:30AM	42	3	0	45	0	8	8	0	16	1	7	22	0	29	0	90
9:45AM	32	1	0	33	0	8	10	0	18	1	1	25	0	26	0	77
Hourly Total	206	14	0	220	0	27	30	0	57	2	14	102	0	116	0	393
10:00AM	33	5	1	39	0	2	9	0	11	0	5	29	0	34	0	84
10:15AM	29	3	0	32	0	3	5	0	8	2	5	21	0	26	0	66
10:30AM	27	2	0	29	0	4	8	0	12	0	3	20	0	23	0	64
10:45AM	33	6	0	39	1	5	2	0	7	1	2	30	0	32	0	78
Hourly Total	122	16	1	139	1	14	24	0	38	3	15	100	0	115	0	292
11:00AM	37	3	0	40	0	5	9	0	14	0	3	26	0	29	0	83
11:15AM	40	1	0	41	0	1	5	0	6	0	7	30	0	37	0	84
11:30AM	40	1	1	42	0	5	7	0	12	0	17	24	0	41	0	95
11:45AM	38	1	0	39	0	9	5	0	14	2	9	24	0	33	0	86
Hourly Total	155	6	1	162	0	20	26	0	46	2	36	104	0	140	0	348
12:00PM	23	5	0	28	0	4	9	0	13	0	2	31	0	33	0	74
12:15PM	27	2	0	29	0	2	6	0	8	1	15	29	0	44	0	81
12:30PM	31	3	0	34	0	8	2	0	10	0	8	26	0	34	0	78
12:45PM	34	7	0	41	0	3	10	0	13	2	7	33	0	40	0	94
Hourly Total	115	17	0	132	0	17	27	0	44	3	32	119	0	151	0	327
1:00PM	29	1	0	30	0	5	14	0	19	1	9	37	0	46	2	95
1:15PM	19	3	0	22	0	5	6	0	11	0	8	23	0	31	0	64
1:30PM	28	5	0	33	0	9	5	0	14	0	8	25	0	33	0	80
1:45PM	28	7	0	35	0	1	6	0	7	0	4	31	0	35	0	77
Hourly Total	104	16	0	120	0	20	31	0	51	1	29	116	0	145	2	316
2:00PM	26	4	0	30	0	6	11	0	17	0	8	27	0	35	0	82
2:15PM	32	1	0	33	0	3	8	0	11	0	5	45	0	50	0	94
2:30PM	36	5	0	41	0	7	9	0	16	2	7	37	0	44	0	101
2:45PM	39	5	0	44	0	2	12	0	14	2	14	49	0	63	0	121
Hourly Total	133	15	0	148	0	18	40	0	58	4	34	158	0	192	0	398
3:00PM	46	1	0	47	0	6	20	0	26	2	9	56	0	65	0	138
3:15PM	48	6	0	54	0	6	11	0	17	4	12	61	0	73	0	144
3:30PM	31	6	0	37	0	2	9	0	11	9	11	97	0	108	0	156
3:45PM	29	6	0	35	0	5	9	0	14	2	11	74	0	85	0	134
Hourly Total	154	19	0	173	0	19	49	0	68	17	43	288	0	331	0	572
4:00PM	42	7	0	49	0	1	6	0	7	0	6	82	0	88	0	144
4:15PM	38	7	0	45	0	4	6	0	10	0	8	114	0	122	0	177

Leg Direction	Pontiac Trail Southbound					Arrowwood Trail Westbound					Pontiac Trail Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
4:30PM	33	9	0	42	0	1	15	0	16	0	20	104	0	124	0	182
4:45PM	56	8	0	64	0	7	18	0	25	0	15	139	0	154	0	243
Hourly Total	169	31	0	200	0	13	45	0	58	0	49	439	0	488	0	746
5:00PM	49	6	0	55	0	8	7	0	15	1	12	120	0	132	0	202
5:15PM	57	10	0	67	0	2	8	0	10	0	15	119	0	134	0	211
5:30PM	50	10	0	60	0	4	7	0	11	0	17	97	0	114	0	185
5:45PM	48	11	0	59	0	10	10	0	20	0	4	91	0	95	0	174
Hourly Total	204	37	0	241	0	24	32	0	56	1	48	427	0	475	0	772
6:00PM	40	10	0	50	0	9	12	0	21	1	19	79	0	98	0	169
6:15PM	34	11	0	45	0	9	10	0	19	2	8	61	0	69	0	133
6:30PM	45	6	0	51	0	5	8	0	13	0	10	53	0	63	0	127
6:45PM	30	5	0	35	0	2	6	0	8	0	10	58	0	68	0	111
Hourly Total	149	32	0	181	0	25	36	0	61	3	47	251	0	298	0	540
Total	2631	228	2	2861	1	272	468	0	740	47	393	2491	0	2884	2	6485
% Approach	92.0%	8.0%	0.1%	-	-	36.8%	63.2%	0%	-	-	13.6%	86.4%	0%	-	-	-
% Total	40.6%	3.5%	0%	44.1%	-	4.2%	7.2%	0%	11.4%	-	6.1%	38.4%	0%	44.5%	-	-
Motorcycles	0	0	0	0	-	0	2	0	2	-	0	0	0	0	-	2
% Motorcycles	0%	0%	0%	0%	-	0%	0.4%	0%	0.3%	-	0%	0%	0%	0%	-	0%
Lights	2559	218	2	2779	-	262	448	0	710	-	378	2406	0	2784	-	6273
% Lights	97.3%	95.6%	100%	97.1%	-	96.3%	95.7%	0%	95.9%	-	96.2%	96.6%	0%	96.5%	-	96.7%
Single-Unit Trucks	14	2	0	16	-	3	5	0	8	-	7	27	0	34	-	58
% Single-Unit Trucks	0.5%	0.9%	0%	0.6%	-	1.1%	1.1%	0%	1.1%	-	1.8%	1.1%	0%	1.2%	-	0.9%
Articulated Trucks	2	0	0	2	-	0	0	0	0	-	0	3	0	3	-	5
% Articulated Trucks	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0%	0.1%	0%	0.1%	-	0.1%
Buses	49	8	0	57	-	7	11	0	18	-	8	52	0	60	-	135
% Buses	1.9%	3.5%	0%	2.0%	-	2.6%	2.4%	0%	2.4%	-	2.0%	2.1%	0%	2.1%	-	2.1%
Bicycles on Road	7	0	0	7	-	0	2	0	2	-	0	3	0	3	-	12
% Bicycles on Road	0.3%	0%	0%	0.2%	-	0%	0.4%	0%	0.3%	-	0%	0.1%	0%	0.1%	-	0.2%
Pedestrians	-	-	-	-	1	-	-	-	-	47	-	-	-	-	2	-
% Pedestrians	-	-	-	-	100%	-	-	-	-	100%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	0%	-	-	-	-	0%	-	-	-	-	0%	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_26 Pontiac Trail & Arrowwood Trail_11-1... - TMC

Tue Nov 19, 2019

Full Length (6 AM-7 PM)

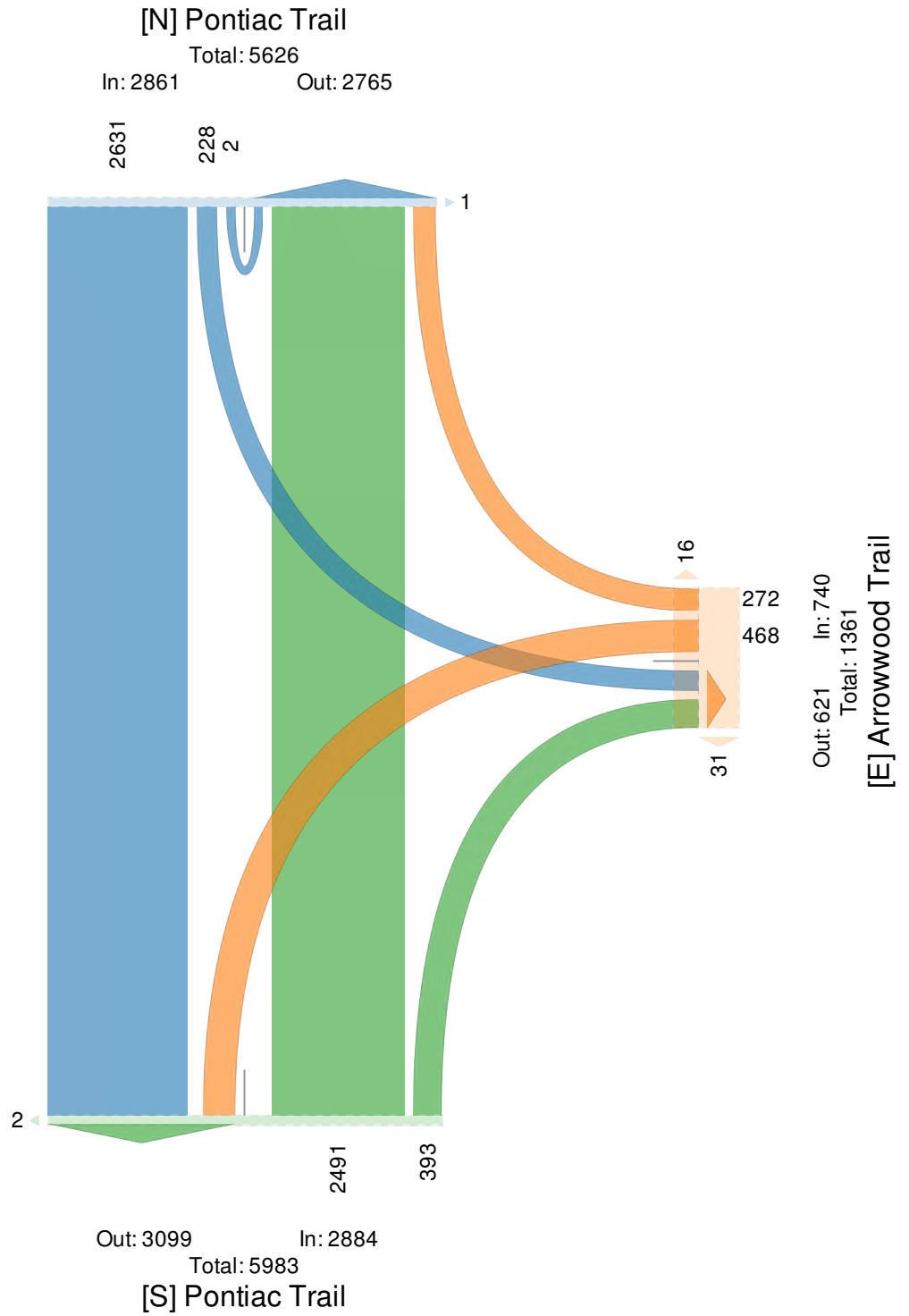
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728567, Location: 42.307615, -83.73497, Site Code: TMC_26 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_26 Pontiac Trail & Arrowwood Trail_11-1... - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728567, Location: 42.307615, -83.73497, Site Code: TMC_26 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Arrowwood Trail Westbound					Pontiac Trail Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 7:30AM	120	3	0	123	0	8	22	0	30	2	3	66	0	69	0	222
7:45AM	142	0	0	142	0	16	8	0	24	2	6	52	0	58	0	224
8:00AM	165	1	0	166	0	3	15	0	18	2	8	42	0	50	0	234
8:15AM	122	4	0	126	0	10	11	0	21	1	7	56	0	63	0	210
Total	549	8	0	557	0	37	56	0	93	7	24	216	0	240	0	890
% Approach	98.6%	1.4%	0%	-	-	39.8%	60.2%	0%	-	-	10.0%	90.0%	0%	-	-	-
% Total	61.7%	0.9%	0%	62.6%	-	4.2%	6.3%	0%	10.4%	-	2.7%	24.3%	0%	27.0%	-	-
PHF	0.830	0.500	-	0.837	-	0.578	0.636	-	0.775	-	0.750	0.818	-	0.870	-	0.950
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	542	6	0	548	-	35	54	0	89	-	21	202	0	223	-	860
% Lights	98.7%	75.0%	0%	98.4%	-	94.6%	96.4%	0%	95.7%	-	87.5%	93.5%	0%	92.9%	-	96.6%
Single-Unit Trucks	1	0	0	1	-	0	0	0	0	-	0	5	0	5	-	6
% Single-Unit Trucks	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0%	2.3%	0%	2.1%	-	0.7%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	5	2	0	7	-	2	2	0	4	-	3	9	0	12	-	23
% Buses	0.9%	25.0%	0%	1.3%	-	5.4%	3.6%	0%	4.3%	-	12.5%	4.2%	0%	5.0%	-	2.6%
Bicycles on Road	1	0	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Bicycles on Road	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	0	-	-	-	-	7	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_26 Pontiac Trail & Arrowwood Trail_11-1... - TMC

Tue Nov 19, 2019

AM Peak (7:30 AM - 8:30 AM) - Overall Peak Hour

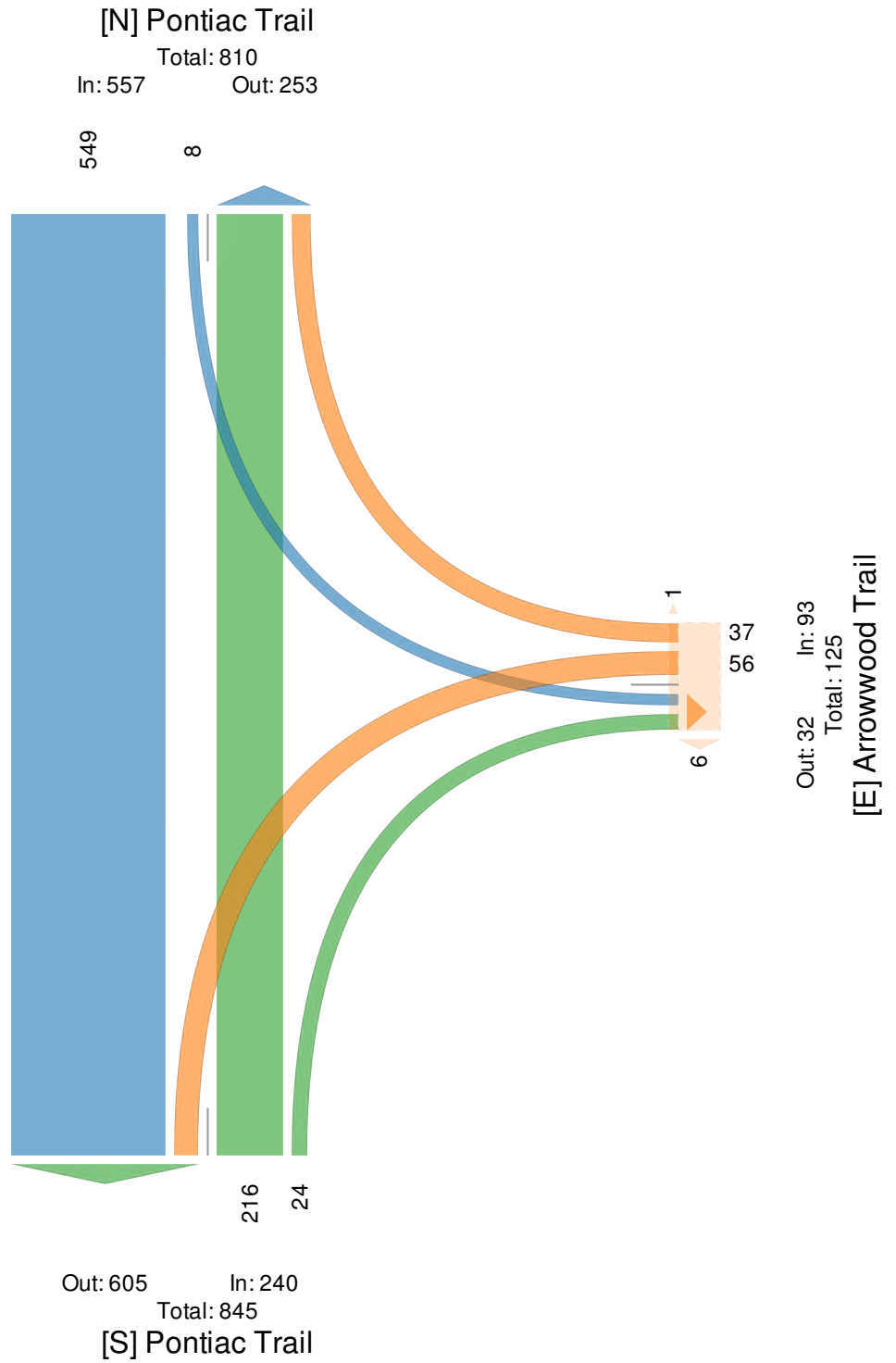
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728567, Location: 42.307615, -83.73497, Site Code: TMC_26 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_26 Pontiac Trail & Arrowwood Trail_11-1... - TMC

Tue Nov 19, 2019

Midday Peak (11 AM - 12 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728567, Location: 42.307615, -83.73497, Site Code: TMC_26 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Arrowwood Trail Westbound					Pontiac Trail Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 11:00AM	37	3	0	40	0	5	9	0	14	0	3	26	0	29	0	83
11:15AM	40	1	0	41	0	1	5	0	6	0	7	30	0	37	0	84
11:30AM	40	1	1	42	0	5	7	0	12	0	17	24	0	41	0	95
11:45AM	38	1	0	39	0	9	5	0	14	2	9	24	0	33	0	86
Total	155	6	1	162	0	20	26	0	46	2	36	104	0	140	0	348
% Approach	95.7%	3.7%	0.6%	-	-	43.5%	56.5%	0%	-	-	25.7%	74.3%	0%	-	-	-
% Total	44.5%	1.7%	0.3%	46.6%	-	5.7%	7.5%	0%	13.2%	-	10.3%	29.9%	0%	40.2%	-	-
PHF	0.981	0.500	0.250	0.976	-	0.556	0.722	-	0.821	-	0.529	0.867	-	0.854	-	0.920
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	149	6	1	156	-	19	24	0	43	-	35	99	0	134	-	333
% Lights	96.1%	100%	100%	96.3%	-	95.0%	92.3%	0%	93.5%	-	97.2%	95.2%	0%	95.7%	-	95.7%
Single-Unit Trucks	1	0	0	1	-	1	0	0	1	-	1	3	0	4	-	6
% Single-Unit Trucks	0.6%	0%	0%	0.6%	-	5.0%	0%	0%	2.2%	-	2.8%	2.9%	0%	2.9%	-	1.7%
Articulated Trucks	1	0	0	1	-	0	0	0	0	-	0	0	0	0	-	1
% Articulated Trucks	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.3%
Buses	2	0	0	2	-	0	2	0	2	-	0	2	0	2	-	6
% Buses	1.3%	0%	0%	1.2%	-	0%	7.7%	0%	4.3%	-	0%	1.9%	0%	1.4%	-	1.7%
Bicycles on Road	2	0	0	2	-	0	0	0	0	-	0	0	0	0	-	2
% Bicycles on Road	1.3%	0%	0%	1.2%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.6%
Pedestrians	-	-	-	-	0	-	-	-	-	2	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_26 Pontiac Trail & Arrowwood Trail_11-1... - TMC

Tue Nov 19, 2019

Midday Peak (11 AM - 12 PM)

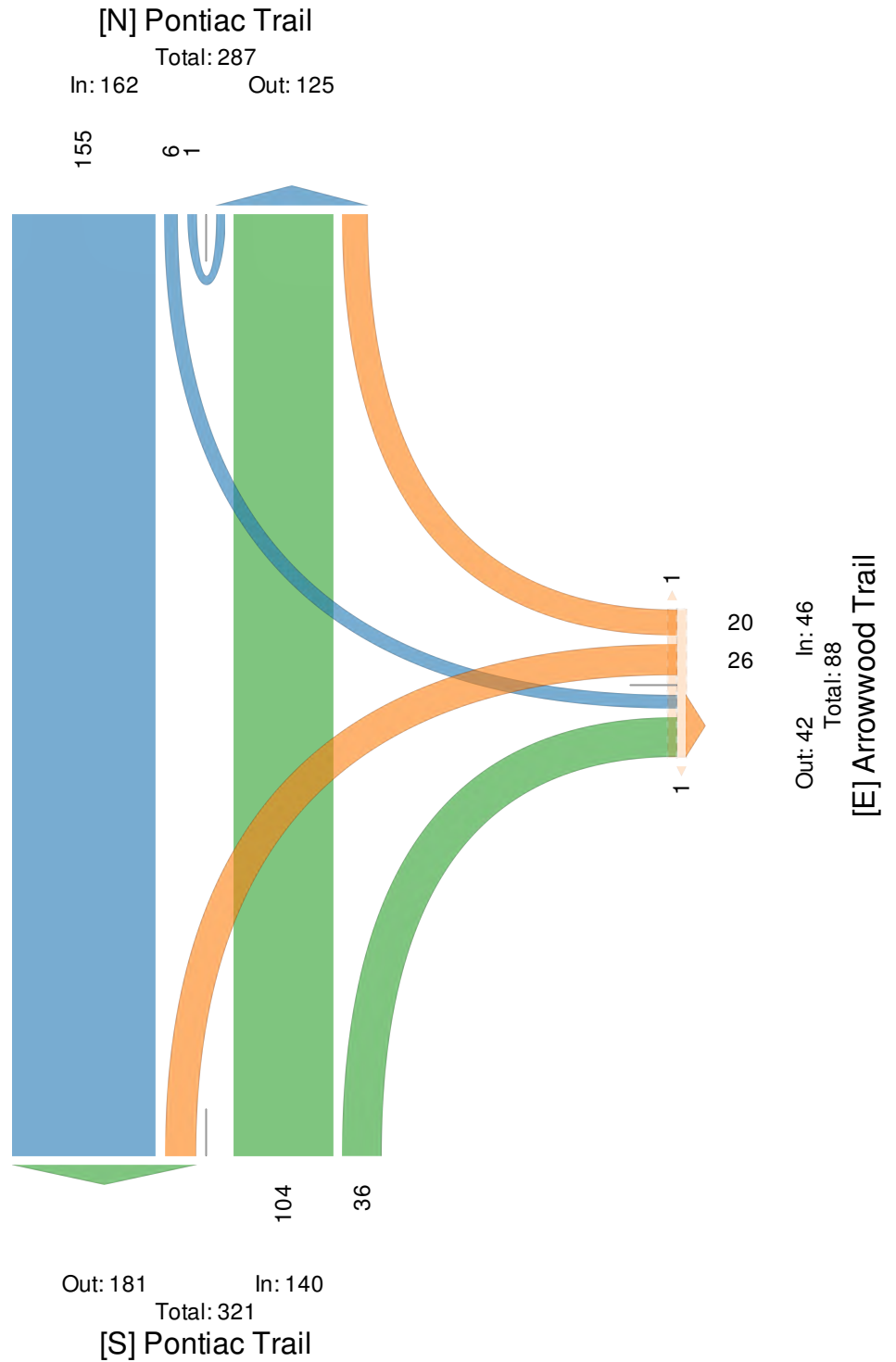
All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728567, Location: 42.307615, -83.73497, Site Code: TMC_26 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US



TMC_26 Pontiac Trail & Arrowwood Trail_11-1... - TMC

Tue Nov 19, 2019

PM Peak (4:45 PM - 5:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728567, Location: 42.307615, -83.73497, Site Code: TMC_26 Traffic Data Collection, LLC



Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive,
www.tdccounts.com,
Washington, MI, 48094, US

Leg Direction	Pontiac Trail Southbound					Arrowwood Trail Westbound					Pontiac Trail Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2019-11-19 4:45PM	56	8	0	64	0	7	18	0	25	0	15	139	0	154	0	243
5:00PM	49	6	0	55	0	8	7	0	15	1	12	120	0	132	0	202
5:15PM	57	10	0	67	0	2	8	0	10	0	15	119	0	134	0	211
5:30PM	50	10	0	60	0	4	7	0	11	0	17	97	0	114	0	185
Total	212	34	0	246	0	21	40	0	61	1	59	475	0	534	0	841
% Approach	86.2%	13.8%	0%	-	-	34.4%	65.6%	0%	-	-	11.0%	89.0%	0%	-	-	-
% Total	25.2%	4.0%	0%	29.3%	-	2.5%	4.8%	0%	7.3%	-	7.0%	56.5%	0%	63.5%	-	-
PHF	0.930	0.850	-	0.918	-	0.656	0.556	-	0.610	-	0.868	0.854	-	0.867	-	0.865
Motorcycles	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Motorcycles	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Lights	208	33	0	241	-	20	40	0	60	-	59	470	0	529	-	830
% Lights	98.1%	97.1%	0%	98.0%	-	95.2%	100%	0%	98.4%	-	100%	98.9%	0%	99.1%	-	98.7%
Single-Unit Trucks	0	0	0	0	-	0	0	0	0	-	0	1	0	1	-	1
% Single-Unit Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0.2%	0%	0.2%	-	0.1%
Articulated Trucks	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Articulated Trucks	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Buses	4	1	0	5	-	1	0	0	1	-	0	4	0	4	-	10
% Buses	1.9%	2.9%	0%	2.0%	-	4.8%	0%	0%	1.6%	-	0%	0.8%	0%	0.7%	-	1.2%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

TMC_26 Pontiac Trail & Arrowwood Trail_11-1... - TMC

Tue Nov 19, 2019

PM Peak (4:45 PM - 5:45 PM)

All Classes (Motorcycles, Lights, Single-Unit Trucks, Articulated Trucks, Buses, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)

All Movements

ID: 728567, Location: 42.307615, -83.73497, Site Code: TMC_26 Traffic Data Collection, LLC



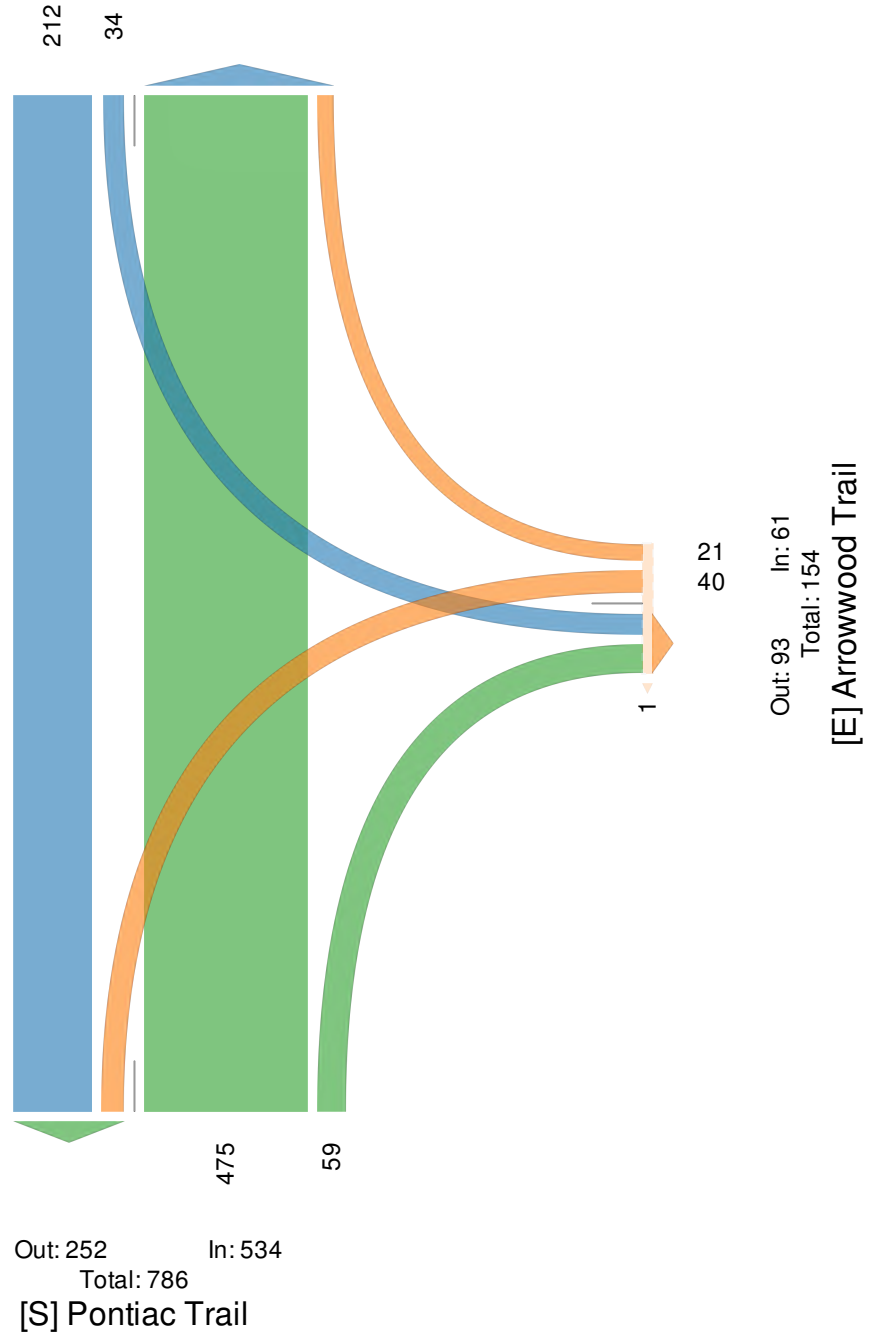
Provided by: Traffic Data Collection, TDC
7504 Sawgrass Drive, www.tdccounts.com,
Washington, MI, 48094, US

[N] Pontiac Trail

Total: 742

In: 246

Out: 496





Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Maiden Lane (Northbound)

Start Time	Motorcycles	Cars & Light Goods	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
11/19/2019 12:00 AM	0	15	0	1	0	0	16
12:15 AM	0	5	0	0	1	0	6
12:30 AM	0	7	0	0	0	1	8
12:45 AM	0	8	0	0	0	0	8
1:00 AM	0	5	0	0	0	0	5
1:15 AM	0	4	0	0	0	0	4
1:30 AM	0	8	0	0	0	0	8
1:45 AM	0	3	0	0	0	0	3
2:00 AM	0	1	0	0	0	0	1
2:15 AM	0	4	0	0	0	0	4
2:30 AM	0	2	0	0	0	0	2
2:45 AM	0	3	0	0	0	0	3
3:00 AM	0	3	0	1	0	0	4
3:15 AM	0	6	0	0	0	0	6
3:30 AM	0	5	0	1	0	0	6
3:45 AM	0	4	0	0	0	0	4
4:00 AM	0	1	0	0	0	0	1
4:15 AM	0	1	0	0	0	0	1
4:30 AM	0	2	0	0	0	0	2
4:45 AM	0	0	0	0	0	0	0
5:00 AM	0	2	0	1	1	0	4
5:15 AM	0	3	0	1	0	0	4
5:30 AM	0	10	0	0	0	0	10
5:45 AM	0	15	0	0	1	0	16
6:00 AM	0	11	0	0	0	0	11
6:15 AM	0	16	0	0	0	0	16
6:30 AM	0	20	0	0	0	0	20
6:45 AM	0	26	0	1	0	0	27
7:00 AM	0	33	2	0	0	0	35
7:15 AM	0	49	1	1	0	0	51
7:30 AM	0	70	2	1	1	0	74
7:45 AM	0	71	2	1	0	0	74
8:00 AM	0	46	4	0	0	0	50
8:15 AM	0	44	2	2	0	0	48
8:30 AM	0	50	1	3	0	0	54
8:45 AM	0	45	2	0	0	0	47
9:00 AM	0	52	2	2	0	0	56
9:15 AM	0	39	1	1	0	0	41
9:30 AM	0	44	1	2	0	0	47
9:45 AM	0	54	0	1	0	0	55
10:00 AM	0	43	3	1	1	0	48
10:15 AM	0	55	1	3	1	0	60
10:30 AM	0	68	1	5	0	0	74
10:45 AM	0	52	1	3	0	0	56
11:00 AM	1	74	2	0	1	0	78
11:15 AM	0	62	2	2	0	0	66
11:30 AM	0	59	2	0	0	0	61
11:45 AM	0	71	1	0	0	0	72
12:00 PM	0	89	1	1	0	0	91
12:15 PM	0	76	1	1	0	0	78
12:30 PM	0	80	1	2	0	0	83
12:45 PM	0	70	2	2	1	0	75
1:00 PM	0	77	1	2	0	0	80
1:15 PM	0	58	1	0	0	0	59
1:30 PM	0	64	1	0	1	0	66
1:45 PM	0	75	1	0	0	0	76
2:00 PM	0	74	1	1	0	0	76
2:15 PM	0	81	1	0	1	0	83
2:30 PM	0	101	1	2	2	0	106
2:45 PM	0	99	1	2	0	0	102
3:00 PM	0	120	2	0	0	0	122

3:15 PM	0	130	1	4	0	0	135
3:30 PM	0	143	2	1	0	0	146
3:45 PM	0	170	3	1	0	0	174
4:00 PM	0	151	1	0	0	1	153
4:15 PM	0	174	3	0	0	0	177
4:30 PM	0	174	2	0	1	2	179
4:45 PM	0	207	1	1	0	0	209
5:00 PM	1	192	1	0	0	0	194
5:15 PM	0	170	4	0	0	0	174
5:30 PM	0	148	2	1	0	0	151
5:45 PM	0	142	3	0	0	0	145
6:00 PM	0	96	0	0	0	0	96
6:15 PM	0	87	3	1	0	0	91
6:30 PM	0	82	1	0	0	0	83
6:45 PM	0	88	0	0	0	0	88
7:00 PM	0	69	1	0	0	2	72
7:15 PM	0	97	0	0	0	0	97
7:30 PM	0	69	0	0	0	0	69
7:45 PM	0	62	1	1	0	0	64
8:00 PM	0	46	1	0	0	0	47
8:15 PM	1	50	0	0	0	0	51
8:30 PM	0	53	1	0	0	0	54
8:45 PM	0	37	0	1	0	0	38
9:00 PM	0	44	1	0	0	0	45
9:15 PM	0	48	0	0	0	0	48
9:30 PM	1	34	1	0	0	0	36
9:45 PM	0	28	0	0	0	0	28
10:00 PM	0	30	1	1	0	0	32
10:15 PM	0	18	0	0	0	0	18
10:30 PM	0	28	2	1	0	0	31
10:45 PM	0	18	0	0	0	0	18
11:00 PM	0	21	1	0	0	0	22
11:15 PM	0	16	0	0	0	0	16
11:30 PM	0	30	1	0	0	0	31
11:45 PM	0	23	0	0	0	0	23
Total	4	5310	86	60	13	6	5479
Total %	0.1	96.9	1.6	1.1	0.2	0.1	100.0
AM Times	8:00 AM	7:30 AM	7:45 AM	10:00 AM	9:30 AM	8:45 AM	7:30 AM
AM Peaks	0	231	9	12	2	0	246
PM Times	4:15 PM	4:15 PM	5:00 PM	2:00 PM	12:45 PM	12:30 PM	4:15 PM
PM Peaks	1	747	10	5	2	0	759



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Maiden Lane (Southbound)

Start Time	Motorcycles	Cars & Light Goods	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
11/19/2019 12:00 AM	0	4	0	0	0	0	4
12:15 AM	0	8	0	0	0	0	8
12:30 AM	0	2	0	0	0	0	2
12:45 AM	0	6	0	0	0	0	6
1:00 AM	0	4	0	0	0	0	4
1:15 AM	0	5	0	0	0	0	5
1:30 AM	0	2	0	0	0	0	2
1:45 AM	0	6	0	0	0	0	6
2:00 AM	0	3	0	1	0	0	4
2:15 AM	0	2	0	0	0	0	2
2:30 AM	0	2	0	0	0	0	2
2:45 AM	0	3	0	0	0	0	3
3:00 AM	0	2	0	0	0	0	2
3:15 AM	0	3	0	1	0	0	4
3:30 AM	0	3	0	0	1	0	4
3:45 AM	0	4	0	0	0	0	4
4:00 AM	0	1	0	2	0	0	3
4:15 AM	0	7	0	0	0	0	7
4:30 AM	0	12	0	0	0	0	12
4:45 AM	0	22	0	0	0	0	22
5:00 AM	0	37	0	0	0	0	37
5:15 AM	0	35	1	0	0	0	36
5:30 AM	0	84	0	0	0	0	84
5:45 AM	0	87	1	1	0	0	89
6:00 AM	0	83	1	1	0	0	85
6:15 AM	0	90	2	2	0	0	94
6:30 AM	0	128	1	1	0	0	130
6:45 AM	0	114	2	1	0	0	117
7:00 AM	0	104	3	0	2	0	109
7:15 AM	0	132	2	0	0	0	134
7:30 AM	0	153	2	2	0	1	158
7:45 AM	0	143	4	2	0	0	149
8:00 AM	1	129	2	1	1	0	134
8:15 AM	0	141	2	0	0	0	143
8:30 AM	0	128	5	2	0	0	135
8:45 AM	2	121	2	0	0	0	125
9:00 AM	0	97	2	1	0	1	101
9:15 AM	0	55	3	2	2	0	62
9:30 AM	0	95	2	2	1	1	101
9:45 AM	0	71	2	1	0	0	74
10:00 AM	0	62	1	4	0	1	68
10:15 AM	0	61	1	4	2	0	68
10:30 AM	0	53	2	2	0	0	57
10:45 AM	0	59	1	1	0	0	61
11:00 AM	0	40	1	2	1	0	44
11:15 AM	0	64	1	0	0	0	65
11:30 AM	0	67	1	1	0	0	69
11:45 AM	0	83	1	0	0	0	84
12:00 PM	0	55	1	0	0	0	56
12:15 PM	0	56	2	2	0	0	60
12:30 PM	0	65	1	2	0	1	69
12:45 PM	0	55	1	0	0	0	56
1:00 PM	0	51	1	0	1	1	54
1:15 PM	0	70	1	1	1	1	74
1:30 PM	0	64	1	1	0	1	67
1:45 PM	0	68	1	1	0	0	70
2:00 PM	0	48	1	2	0	0	51
2:15 PM	0	62	1	4	0	0	67
2:30 PM	0	61	2	1	0	0	64
2:45 PM	0	69	2	1	0	0	72
3:00 PM	0	52	2	0	0	0	54

3:15 PM	0	50	2	0	0	0	52
3:30 PM	0	44	3	0	1	0	48
3:45 PM	0	47	2	0	0	0	49
4:00 PM	0	50	2	1	0	0	53
4:15 PM	0	53	2	0	0	0	55
4:30 PM	0	51	1	0	0	0	52
4:45 PM	0	44	4	2	0	0	50
5:00 PM	0	50	3	0	0	0	53
5:15 PM	0	51	2	0	0	0	53
5:30 PM	0	66	0	0	0	0	66
5:45 PM	0	68	4	1	0	0	73
6:00 PM	0	51	2	1	0	0	54
6:15 PM	0	61	2	0	0	0	63
6:30 PM	0	75	2	0	0	0	77
6:45 PM	0	61	0	0	0	0	61
7:00 PM	0	32	2	0	0	0	34
7:15 PM	0	44	1	1	0	0	46
7:30 PM	0	43	1	0	0	0	44
7:45 PM	0	50	0	1	0	0	51
8:00 PM	0	33	1	0	0	0	34
8:15 PM	0	39	0	0	0	0	39
8:30 PM	0	42	1	0	0	0	43
8:45 PM	0	27	0	0	0	0	27
9:00 PM	0	30	1	0	0	0	31
9:15 PM	0	40	1	0	0	0	41
9:30 PM	0	20	0	0	0	0	20
9:45 PM	0	27	1	0	0	0	28
10:00 PM	0	25	0	0	0	0	25
10:15 PM	0	20	1	0	0	0	21
10:30 PM	0	19	0	0	0	0	19
10:45 PM	0	25	1	0	0	0	26
11:00 PM	0	9	0	0	0	0	9
11:15 PM	0	15	0	0	0	0	15
11:30 PM	0	16	0	0	0	0	16
11:45 PM	0	12	0	0	0	0	12
Total	3	4783	107	59	13	8	4973
Total %	0.1	96.2	2.2	1.2	0.3	0.2	100.0
AM Times	8:00 AM	7:30 AM	7:45 AM	10:00 AM	9:30 AM	8:45 AM	7:30 AM
AM Peaks	3	566	13	11	3	2	584
PM Times	4:15 PM	4:15 PM	5:00 PM	2:00 PM	12:45 PM	12:30 PM	4:15 PM
PM Peaks	0	198	9	8	2	3	210

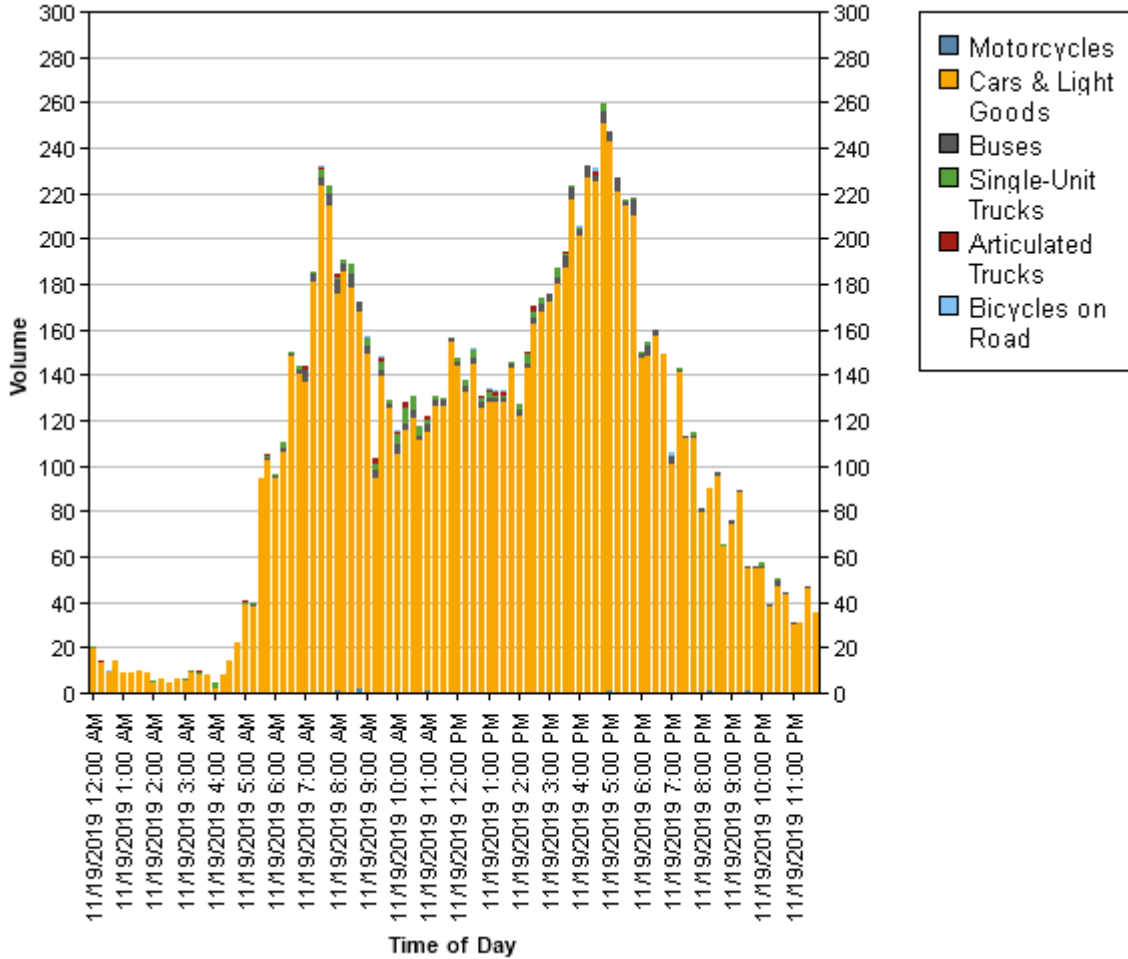


Traffic Data Collection

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU6H3
NE

Count Name:
TMC_14Broadway &
Maiden_11-19-19
Site Code: TMC_14
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 5





Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU6H3
NE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name:
TMC_14Broadway &
Maiden_11-19-19
Site Code: TMC_14
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 6

TDC Traffic Comments: 24 hour video multi-modal intersection study includes premium vehicle classification turning movement count & automatic traffic recorder approach counts conducted during typical weekdays (Wednesday) from 12:00 AM-12:00 PM, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50. Signalized controlled intersection, push button ped. signals for all quadrants. VCU camera was located within NE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Moore Street (Southbound)

Start Time	Motorcycles	Cars & Light Goods	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
11/19/2019 12:00 AM	0	0	0	0	0	0	0
12:15 AM	0	0	0	0	0	0	0
12:30 AM	0	0	0	0	0	0	0
12:45 AM	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0
1:15 AM	0	0	0	0	0	0	0
1:30 AM	0	0	0	0	0	0	0
1:45 AM	0	0	0	0	0	0	0
2:00 AM	0	0	0	1	0	0	1
2:15 AM	0	0	0	0	0	0	0
2:30 AM	0	0	0	0	0	0	0
2:45 AM	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0
3:15 AM	0	0	0	0	0	0	0
3:30 AM	0	0	0	0	0	0	0
3:45 AM	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0
4:15 AM	0	0	0	0	0	0	0
4:30 AM	0	0	0	0	0	0	0
4:45 AM	0	0	0	0	0	0	0
5:00 AM	0	0	0	0	0	0	0
5:15 AM	0	0	0	0	0	0	0
5:30 AM	0	0	0	0	0	0	0
5:45 AM	0	0	0	0	0	0	0
6:00 AM	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0
10:00 AM	0	0	0	0	0	0	0
10:15 AM	0	1	0	0	0	0	1
10:30 AM	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	0	0
11:00 AM	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0
1:45 PM	0	0	0	0	0	0	0
2:00 PM	0	0	0	0	0	0	0
2:15 PM	0	0	0	0	0	0	0
2:30 PM	0	1	0	0	0	0	1
2:45 PM	0	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0

3:15 PM	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0
4:00 PM	0	1	0	0	0	0	1
4:15 PM	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0
4:45 PM	0	1	0	0	0	0	1
5:00 PM	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0
7:15 PM	0	0	0	0	0	0	0
7:30 PM	0	0	0	0	0	0	0
7:45 PM	0	0	0	0	0	0	0
8:00 PM	0	0	0	0	0	0	0
8:15 PM	0	0	0	0	0	0	0
8:30 PM	0	0	0	0	0	0	0
8:45 PM	0	0	0	0	0	0	0
9:00 PM	0	0	0	0	0	0	0
9:15 PM	0	0	0	0	0	0	0
9:30 PM	0	0	0	0	0	0	0
9:45 PM	0	1	0	0	0	0	1
10:00 PM	0	0	0	0	0	0	0
10:15 PM	0	0	0	0	0	0	0
10:30 PM	0	0	0	0	0	0	0
10:45 PM	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0
11:15 PM	0	0	0	0	0	0	0
11:30 PM	0	0	0	0	0	0	0
11:45 PM	0	0	0	0	0	0	0
Total	0	5	0	1	0	0	6
Total %	0.0	83.3	0.0	16.7	0.0	0.0	100.0
AM Times	12:00 AM	7:15 AM	6:45 AM	10:45 AM	8:15 AM	12:00 AM	7:15 AM
AM Peaks	0	0	0	0	0	0	0
PM Times	9:15 PM	4:00 PM	5:00 PM	1:15 PM	12:00 PM	3:15 PM	4:00 PM
PM Peaks	0	2	0	0	0	0	2



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Moore Street (Northbound)

Start Time	Motorcycles	Cars & Light Goods	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
11/19/2019 12:00 AM	0	11	0	1	0	0	12
12:15 AM	0	6	0	0	0	0	6
12:30 AM	0	4	0	0	0	1	5
12:45 AM	0	3	0	0	0	0	3
1:00 AM	0	1	0	0	0	0	1
1:15 AM	0	6	0	0	0	0	6
1:30 AM	0	6	0	0	0	0	6
1:45 AM	0	3	0	0	0	0	3
2:00 AM	0	1	0	0	0	0	1
2:15 AM	0	6	0	0	0	0	6
2:30 AM	0	3	0	0	0	0	3
2:45 AM	0	1	0	0	0	0	1
3:00 AM	0	2	0	0	0	0	2
3:15 AM	0	2	0	0	0	0	2
3:30 AM	0	2	0	0	0	0	2
3:45 AM	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0
4:15 AM	0	0	0	1	0	0	1
4:30 AM	0	2	0	0	0	0	2
4:45 AM	0	0	0	0	0	0	0
5:00 AM	0	0	0	0	0	0	0
5:15 AM	0	0	0	1	0	0	1
5:30 AM	0	6	0	0	0	0	6
5:45 AM	0	4	0	0	0	0	4
6:00 AM	0	5	0	0	0	0	5
6:15 AM	0	6	0	0	0	0	6
6:30 AM	0	13	0	1	0	0	14
6:45 AM	0	11	3	0	0	0	14
7:00 AM	0	21	2	0	0	0	23
7:15 AM	0	42	3	0	0	0	45
7:30 AM	0	63	1	0	0	0	64
7:45 AM	0	52	2	0	0	0	54
8:00 AM	0	55	2	1	0	0	58
8:15 AM	0	30	1	0	0	0	31
8:30 AM	0	29	0	1	0	0	30
8:45 AM	0	41	2	1	0	1	45
9:00 AM	0	31	0	0	2	0	33
9:15 AM	0	27	1	0	0	0	28
9:30 AM	0	37	0	0	0	0	37
9:45 AM	0	36	1	0	0	0	37
10:00 AM	0	38	0	0	1	0	39
10:15 AM	0	45	1	1	0	0	47
10:30 AM	0	40	0	0	0	0	40
10:45 AM	0	27	1	0	1	0	29
11:00 AM	0	52	0	0	0	0	52
11:15 AM	0	45	1	3	0	0	49
11:30 AM	0	45	0	1	0	0	46
11:45 AM	0	55	1	0	0	0	56
12:00 PM	0	52	0	3	0	0	55
12:15 PM	0	41	1	0	0	0	42
12:30 PM	0	53	0	0	0	0	53
12:45 PM	0	54	1	1	0	0	56
1:00 PM	0	57	0	1	0	1	59
1:15 PM	0	38	1	2	0	0	41
1:30 PM	0	57	0	0	0	0	57
1:45 PM	0	53	1	1	0	0	55
2:00 PM	0	64	0	4	0	1	69
2:15 PM	0	69	2	1	0	0	72
2:30 PM	0	112	0	1	0	0	113
2:45 PM	0	81	0	0	0	0	81
3:00 PM	0	128	1	0	0	0	129

3:15 PM	0	125	3	3	0	1	132
3:30 PM	0	136	0	0	0	1	137
3:45 PM	0	97	1	0	0	1	99
4:00 PM	0	149	1	0	0	1	151
4:15 PM	0	169	3	0	0	0	172
4:30 PM	0	165	1	0	0	2	168
4:45 PM	0	192	0	1	0	1	194
5:00 PM	1	144	2	0	0	0	147
5:15 PM	0	137	1	0	0	0	138
5:30 PM	0	153	1	0	0	1	155
5:45 PM	0	125	3	0	0	0	128
6:00 PM	0	103	0	0	0	0	103
6:15 PM	0	84	2	2	0	0	88
6:30 PM	0	65	0	0	0	0	65
6:45 PM	0	83	0	0	0	0	83
7:00 PM	0	84	0	0	0	0	84
7:15 PM	0	82	1	0	0	2	85
7:30 PM	0	79	0	0	0	0	79
7:45 PM	0	57	0	0	0	0	57
8:00 PM	0	53	0	0	0	0	53
8:15 PM	0	44	1	0	0	0	45
8:30 PM	0	52	0	0	0	0	52
8:45 PM	0	58	1	0	0	0	59
9:00 PM	0	59	0	0	0	0	59
9:15 PM	1	44	1	0	0	1	47
9:30 PM	1	53	0	0	0	1	55
9:45 PM	0	24	0	0	0	0	24
10:00 PM	1	31	0	0	0	1	33
10:15 PM	0	28	1	0	0	0	29
10:30 PM	0	24	0	0	0	0	24
10:45 PM	0	22	0	0	0	0	22
11:00 PM	0	20	0	0	0	0	20
11:15 PM	0	11	1	0	0	0	12
11:30 PM	0	26	0	0	0	0	26
11:45 PM	0	11	0	0	0	0	11
Total	4	4563	53	32	4	17	4673
Total %	0.1	97.6	1.1	0.7	0.1	0.4	100.0
AM Times	12:00 AM	7:15 AM	6:45 AM	10:45 AM	8:15 AM	12:00 AM	7:15 AM
AM Peaks	0	212	9	4	2	1	221
PM Times	9:15 PM	4:00 PM	5:00 PM	1:15 PM	12:00 PM	3:15 PM	4:00 PM
PM Peaks	3	675	7	7	0	4	685

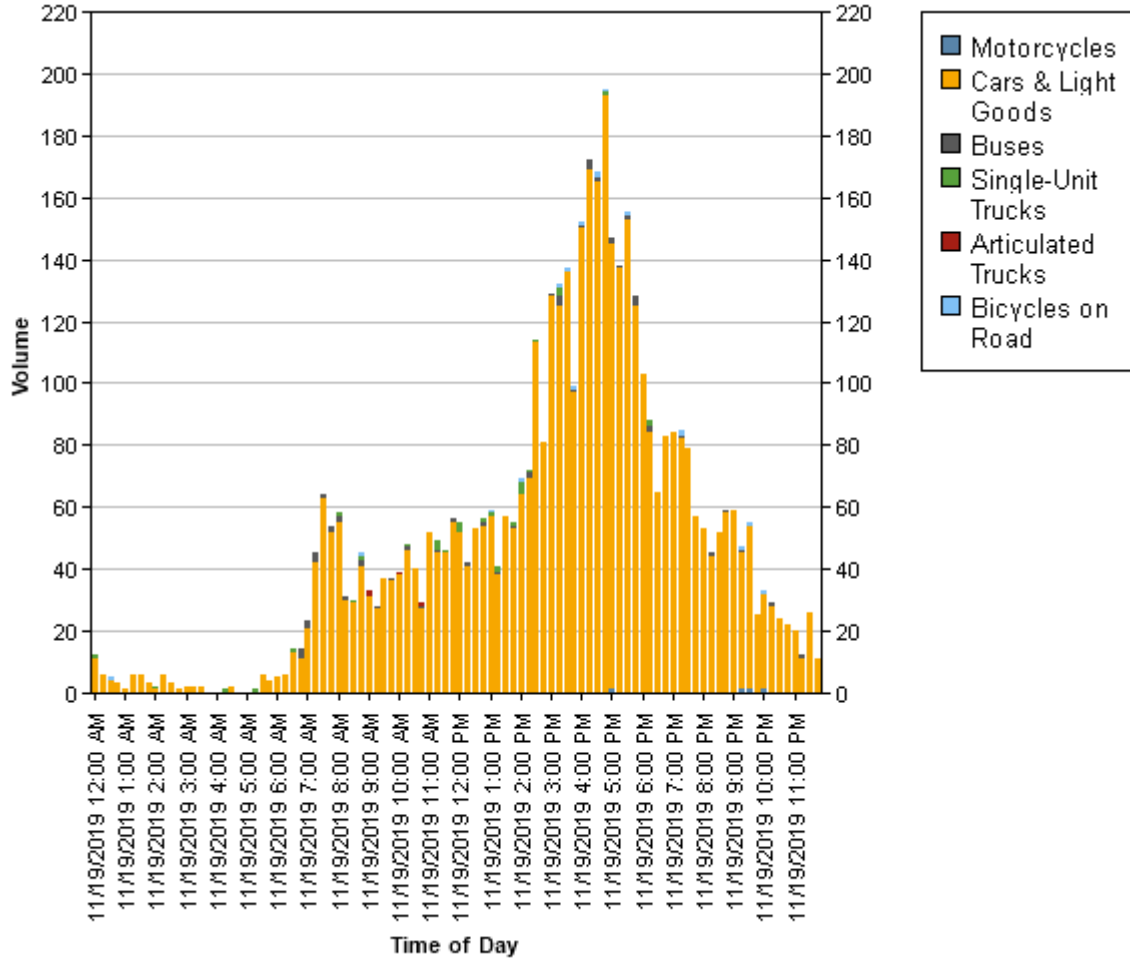


Traffic Data Collection

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU6H3
NE

Count Name:
TMC_14Broadway &
Maiden_11-19-19
Site Code: TMC_14
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 5





Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU6H3
NE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name:
TMC_14Broadway &
Maiden_11-19-19
Site Code: TMC_14
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 6

TDC Traffic Comments: 24 hour video multi-modal intersection study includes premium vehicle classification turning movement count & automatic traffic recorder approach counts conducted during typical weekdays (Wednesday) from 12:00 AM-12:00 PM, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50. Signalized controlled intersection, push button ped. signals for all quadrants. VCU camera was located within NE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Broadway Street (Eastbound)

Start Time	Motorcycles	Cars & Light Goods	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
11/19/2019 12:00 AM	0	22	0	0	0	0	22
12:15 AM	0	18	0	0	0	0	18
12:30 AM	0	14	0	0	0	0	14
12:45 AM	0	12	0	0	0	0	12
1:00 AM	0	12	0	0	0	0	12
1:15 AM	0	8	0	0	0	0	8
1:30 AM	0	9	0	0	0	0	9
1:45 AM	0	15	0	0	1	0	16
2:00 AM	0	4	0	0	0	0	4
2:15 AM	0	6	0	0	0	0	6
2:30 AM	0	1	0	0	0	0	1
2:45 AM	0	1	0	0	0	0	1
3:00 AM	0	2	0	1	0	0	3
3:15 AM	0	1	0	0	0	0	1
3:30 AM	0	3	0	0	0	0	3
3:45 AM	0	2	0	0	0	0	2
4:00 AM	0	2	0	1	0	0	3
4:15 AM	0	8	0	1	0	0	9
4:30 AM	0	12	0	0	0	0	12
4:45 AM	0	15	0	0	0	0	15
5:00 AM	0	28	0	0	0	0	28
5:15 AM	0	24	1	1	0	0	26
5:30 AM	0	56	0	0	0	0	56
5:45 AM	0	66	1	1	0	0	68
6:00 AM	0	61	1	1	1	0	64
6:15 AM	0	92	2	5	1	0	100
6:30 AM	0	88	2	1	0	0	91
6:45 AM	0	116	5	0	0	0	121
7:00 AM	0	107	5	0	1	0	113
7:15 AM	0	148	5	0	0	0	153
7:30 AM	0	198	3	1	2	1	205
7:45 AM	1	294	5	4	0	1	305
8:00 AM	1	273	2	2	0	0	278
8:15 AM	0	285	3	1	0	1	290
8:30 AM	0	239	3	3	0	0	245
8:45 AM	1	278	3	4	0	0	286
9:00 AM	0	214	3	2	2	1	222
9:15 AM	0	161	2	3	0	2	168
9:30 AM	0	169	1	2	0	1	173
9:45 AM	0	149	2	3	4	0	158
10:00 AM	0	151	2	1	2	1	157
10:15 AM	0	162	1	2	0	0	165
10:30 AM	0	133	2	4	0	0	139
10:45 AM	0	115	3	3	0	0	121
11:00 AM	0	120	3	3	0	0	126
11:15 AM	0	159	1	3	0	0	163
11:30 AM	0	151	2	2	1	0	156
11:45 AM	0	160	1	1	1	0	163
12:00 PM	0	153	2	4	1	1	161
12:15 PM	1	155	2	1	0	0	159
12:30 PM	0	165	1	2	0	0	168
12:45 PM	0	141	1	5	0	1	148
1:00 PM	0	161	1	2	0	1	165
1:15 PM	0	143	1	4	1	1	150
1:30 PM	0	141	1	2	0	1	145
1:45 PM	0	141	1	3	0	0	145
2:00 PM	0	123	1	4	0	1	129
2:15 PM	0	140	3	1	0	0	144
2:30 PM	0	181	3	3	0	0	187
2:45 PM	0	153	2	3	0	0	158
3:00 PM	0	205	4	1	1	0	211

3:15 PM	0	203	4	1	0	1	209
3:30 PM	1	221	5	1	0	0	228
3:45 PM	0	188	1	1	0	1	191
4:00 PM	0	229	1	1	0	1	232
4:15 PM	0	280	6	0	0	0	286
4:30 PM	0	262	2	4	0	0	268
4:45 PM	0	245	2	0	1	1	249
5:00 PM	0	215	5	0	0	0	220
5:15 PM	0	257	2	0	0	0	259
5:30 PM	0	302	1	1	0	0	304
5:45 PM	0	260	6	1	0	0	267
6:00 PM	0	199	1	2	0	1	203
6:15 PM	0	211	3	1	0	0	215
6:30 PM	0	180	2	2	0	0	184
6:45 PM	0	170	1	0	0	0	171
7:00 PM	0	180	1	0	0	0	181
7:15 PM	0	138	2	0	0	2	142
7:30 PM	0	161	1	0	0	0	162
7:45 PM	0	117	0	0	0	0	117
8:00 PM	0	109	0	0	0	0	109
8:15 PM	0	139	2	0	0	0	141
8:30 PM	0	117	0	0	0	0	117
8:45 PM	0	141	1	0	0	0	142
9:00 PM	0	140	0	0	0	0	140
9:15 PM	1	112	1	0	0	1	115
9:30 PM	0	98	0	0	0	1	99
9:45 PM	0	76	0	0	0	0	76
10:00 PM	1	93	0	0	0	0	94
10:15 PM	0	72	1	0	0	0	73
10:30 PM	0	43	0	0	0	0	43
10:45 PM	0	43	0	0	0	0	43
11:00 PM	0	44	0	0	0	0	44
11:15 PM	0	30	1	0	0	0	31
11:30 PM	0	49	0	0	0	0	49
11:45 PM	0	26	0	0	0	0	26
Total	7	11716	139	106	20	23	12011
Total %	0.1	97.5	1.2	0.9	0.2	0.2	100.0
AM Times	7:15 AM	8:00 AM	7:00 AM	10:15 AM	9:15 AM	9:00 AM	8:00 AM
AM Peaks	2	1075	18	12	6	4	1099
PM Times	4:45 PM	5:00 PM	4:15 PM	12:30 PM	2:15 PM	12:45 PM	5:00 PM
PM Peaks	0	1034	15	13	1	4	1050



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Broadway Street (Westbound)

Start Time	Motorcycles	Cars & Light Goods	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
11/19/2019 12:00 AM	0	15	0	0	0	0	15
12:15 AM	0	14	0	0	0	0	14
12:30 AM	0	8	0	0	0	0	8
12:45 AM	0	8	0	0	0	0	8
1:00 AM	0	6	0	0	0	0	6
1:15 AM	0	5	0	0	0	0	5
1:30 AM	0	7	1	0	0	1	9
1:45 AM	0	4	0	0	0	0	4
2:00 AM	0	2	0	0	0	0	2
2:15 AM	0	4	0	0	0	0	4
2:30 AM	0	2	0	1	0	0	3
2:45 AM	0	0	0	0	0	0	0
3:00 AM	0	2	0	1	0	0	3
3:15 AM	0	1	0	1	1	0	3
3:30 AM	0	4	0	1	0	0	5
3:45 AM	0	4	0	0	0	0	4
4:00 AM	0	2	0	0	0	0	2
4:15 AM	0	2	0	1	1	0	4
4:30 AM	0	2	0	0	0	0	2
4:45 AM	0	1	0	0	0	0	1
5:00 AM	0	5	0	0	0	0	5
5:15 AM	0	8	0	1	0	0	9
5:30 AM	0	12	0	0	0	0	12
5:45 AM	0	14	0	0	0	0	14
6:00 AM	0	14	0	1	0	0	15
6:15 AM	0	23	0	1	0	0	24
6:30 AM	0	39	0	1	0	0	40
6:45 AM	0	34	0	1	0	0	35
7:00 AM	0	62	0	0	0	0	62
7:15 AM	0	65	2	0	0	0	67
7:30 AM	0	101	0	2	1	0	104
7:45 AM	0	124	1	0	0	0	125
8:00 AM	0	120	1	1	0	0	122
8:15 AM	0	128	3	4	0	0	135
8:30 AM	0	129	1	4	0	0	134
8:45 AM	0	144	2	2	0	0	148
9:00 AM	0	137	0	2	0	0	139
9:15 AM	0	105	1	2	1	0	109
9:30 AM	0	89	0	2	1	0	92
9:45 AM	0	96	1	2	0	2	101
10:00 AM	0	93	0	4	1	0	98
10:15 AM	0	79	1	3	0	0	83
10:30 AM	0	98	0	3	1	0	102
10:45 AM	0	100	1	1	0	0	102
11:00 AM	1	81	1	4	0	0	87
11:15 AM	0	97	1	2	0	0	100
11:30 AM	0	111	2	0	0	0	113
11:45 AM	0	109	2	0	1	1	113
12:00 PM	0	127	0	1	0	0	128
12:15 PM	0	106	2	2	0	0	110
12:30 PM	0	109	0	1	0	0	110
12:45 PM	0	106	1	3	0	0	110
1:00 PM	0	95	1	3	1	0	100
1:15 PM	0	95	1	1	0	0	97
1:30 PM	0	80	1	0	0	0	81
1:45 PM	0	97	1	0	0	0	98
2:00 PM	0	114	1	0	0	0	115
2:15 PM	0	103	1	0	0	0	104
2:30 PM	0	97	0	5	0	1	103
2:45 PM	0	123	1	0	2	0	126
3:00 PM	0	109	1	4	0	0	114

3:15 PM	0	173	1	1	0	0	175
3:30 PM	0	166	1	0	0	0	167
3:45 PM	1	181	2	1	0	0	185
4:00 PM	0	168	2	1	0	0	171
4:15 PM	0	218	2	0	1	0	221
4:30 PM	0	209	1	0	1	0	211
4:45 PM	0	196	4	0	0	0	200
5:00 PM	1	255	2	0	0	0	258
5:15 PM	1	258	2	0	0	1	262
5:30 PM	1	203	0	3	0	0	207
5:45 PM	0	248	0	0	0	0	248
6:00 PM	0	168	1	0	0	0	169
6:15 PM	0	144	1	0	0	1	146
6:30 PM	0	136	0	2	0	0	138
6:45 PM	0	139	1	0	0	0	140
7:00 PM	0	124	1	0	0	0	125
7:15 PM	0	137	2	0	1	0	140
7:30 PM	0	89	0	0	0	0	89
7:45 PM	0	93	1	1	0	0	95
8:00 PM	1	83	1	0	0	0	85
8:15 PM	1	75	0	0	0	0	76
8:30 PM	0	65	0	0	0	0	65
8:45 PM	0	61	0	0	0	0	61
9:00 PM	0	64	0	0	0	0	64
9:15 PM	0	49	0	0	0	0	49
9:30 PM	0	39	0	0	0	0	39
9:45 PM	0	47	0	0	0	0	47
10:00 PM	1	34	0	0	0	0	35
10:15 PM	0	31	0	0	0	0	31
10:30 PM	0	29	2	0	0	0	31
10:45 PM	0	20	0	0	0	0	20
11:00 PM	0	18	0	0	0	0	18
11:15 PM	0	22	0	0	0	0	22
11:30 PM	0	21	0	0	0	0	21
11:45 PM	0	20	0	0	0	0	20
Total	8	7654	59	77	14	7	7819
Total %	0.1	97.9	0.8	1.0	0.2	0.1	100.0
AM Times	7:15 AM	8:00 AM	7:00 AM	10:15 AM	9:15 AM	9:00 AM	8:00 AM
AM Peaks	0	521	3	11	3	2	539
PM Times	4:45 PM	5:00 PM	4:15 PM	12:30 PM	2:15 PM	12:45 PM	5:00 PM
PM Peaks	3	964	9	8	2	0	975

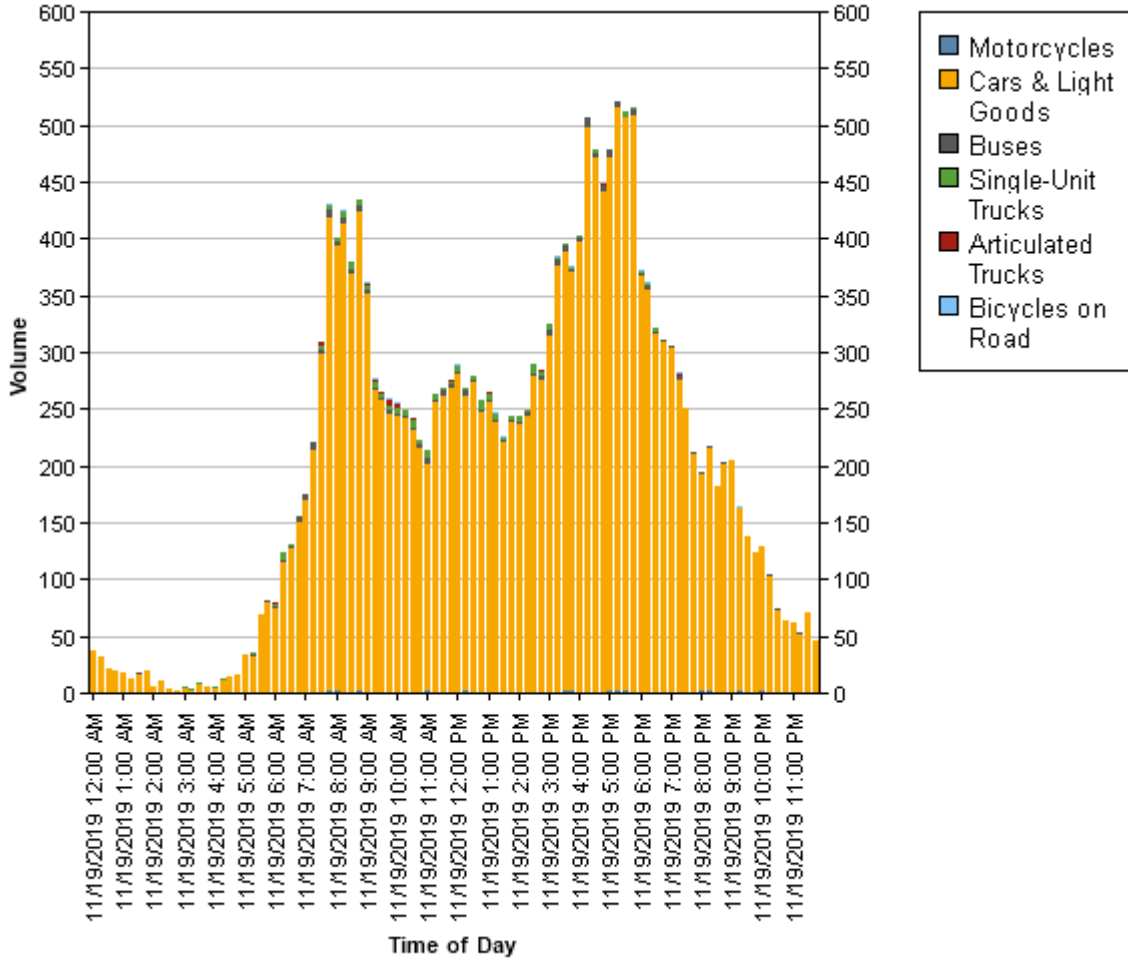


Traffic Data Collection

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU6H3
NE

Count Name:
TMC_14Broadway &
Maiden_11-19-19
Site Code: TMC_14
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 5





Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU6H3
NE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name:
TMC_14Broadway &
Maiden_11-19-19
Site Code: TMC_14
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 6

TDC Traffic Comments: 24 hour video multi-modal intersection study includes premium vehicle classification turning movement count & automatic traffic recorder approach counts conducted during typical weekdays (Wednesday) from 12:00 AM-12:00 PM, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50. Signalized controlled intersection, push button ped. signals for all quadrants. VCU camera was located within NE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 1

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Plymouth Road (Westbound)

Start Time	Motorcycles	Cars & Light Goods	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
11/19/2019 12:00 AM	0	16	0	0	0	0	16
12:15 AM	0	19	0	0	0	0	19
12:30 AM	0	8	0	0	0	0	8
12:45 AM	0	10	0	0	0	0	10
1:00 AM	0	8	0	0	0	0	8
1:15 AM	0	8	0	0	0	0	8
1:30 AM	0	9	1	0	0	1	11
1:45 AM	0	8	0	0	0	0	8
2:00 AM	0	5	0	0	0	0	5
2:15 AM	0	6	0	0	0	0	6
2:30 AM	0	4	0	1	0	0	5
2:45 AM	0	2	0	0	0	0	2
3:00 AM	0	4	0	1	0	0	5
3:15 AM	0	3	0	2	1	0	6
3:30 AM	0	6	0	0	1	0	7
3:45 AM	0	3	0	0	0	0	3
4:00 AM	0	3	0	2	0	0	5
4:15 AM	0	5	0	1	1	0	7
4:30 AM	0	7	0	0	0	0	7
4:45 AM	0	15	0	0	0	0	15
5:00 AM	0	17	0	0	0	0	17
5:15 AM	0	25	0	1	0	0	26
5:30 AM	0	53	0	0	0	0	53
5:45 AM	0	53	0	1	0	0	54
6:00 AM	0	55	0	2	0	0	57
6:15 AM	0	54	1	3	0	0	58
6:30 AM	0	118	1	2	0	0	121
6:45 AM	0	95	1	2	0	0	98
7:00 AM	0	105	1	0	1	0	107
7:15 AM	0	146	3	0	0	0	149
7:30 AM	0	190	2	2	1	0	195
7:45 AM	0	201	2	2	0	0	205
8:00 AM	0	178	2	2	1	0	183
8:15 AM	0	194	3	4	0	0	201
8:30 AM	0	202	4	5	0	0	211
8:45 AM	1	198	3	2	0	1	205
9:00 AM	0	182	0	2	0	0	184
9:15 AM	0	139	3	3	3	0	148
9:30 AM	0	141	2	4	2	0	149
9:45 AM	0	125	2	2	0	2	131
10:00 AM	0	127	0	7	1	0	135
10:15 AM	0	104	2	5	2	0	113
10:30 AM	0	119	2	5	1	0	127
10:45 AM	0	135	2	1	1	0	139
11:00 AM	0	95	1	5	1	0	102
11:15 AM	0	125	2	2	0	0	129
11:30 AM	0	146	2	1	0	0	149
11:45 AM	0	155	3	0	1	1	160
12:00 PM	0	150	1	1	0	0	152
12:15 PM	0	137	4	4	0	0	145
12:30 PM	0	147	1	3	0	1	152
12:45 PM	0	141	2	3	0	0	146
1:00 PM	0	118	2	2	2	1	125
1:15 PM	0	128	2	2	0	0	132
1:30 PM	0	122	2	0	0	0	124
1:45 PM	0	122	2	0	0	0	124
2:00 PM	0	134	2	1	0	0	137
2:15 PM	0	136	2	4	0	0	142
2:30 PM	0	131	1	5	0	1	138
2:45 PM	0	151	2	1	2	0	156
3:00 PM	0	129	2	4	0	0	135

3:15 PM	0	194	2	1	0	0	197
3:30 PM	0	160	3	0	1	1	165
3:45 PM	1	171	3	1	0	0	176
4:00 PM	0	177	4	2	0	0	183
4:15 PM	0	212	3	0	1	0	216
4:30 PM	0	208	1	0	1	0	210
4:45 PM	0	192	7	2	0	0	201
5:00 PM	1	255	3	0	0	0	259
5:15 PM	1	261	3	0	0	1	266
5:30 PM	1	229	0	3	0	1	234
5:45 PM	0	264	2	0	0	0	266
6:00 PM	0	185	2	0	0	0	187
6:15 PM	0	176	2	0	0	1	179
6:30 PM	0	168	1	2	0	0	171
6:45 PM	0	151	1	0	0	0	152
7:00 PM	0	140	2	0	0	0	142
7:15 PM	0	158	2	1	1	0	162
7:30 PM	0	106	1	0	0	0	107
7:45 PM	0	126	1	2	0	0	129
8:00 PM	1	105	2	0	0	0	108
8:15 PM	0	92	0	0	0	0	92
8:30 PM	0	82	1	0	0	0	83
8:45 PM	0	70	0	0	0	0	70
9:00 PM	0	79	1	0	0	0	80
9:15 PM	0	60	1	0	0	0	61
9:30 PM	0	51	0	0	0	1	52
9:45 PM	0	57	1	0	0	0	58
10:00 PM	1	42	0	0	0	1	44
10:15 PM	0	42	1	0	0	0	43
10:30 PM	0	38	1	0	0	0	39
10:45 PM	0	34	1	0	0	0	35
11:00 PM	0	20	0	0	0	0	20
11:15 PM	0	31	0	0	0	0	31
11:30 PM	0	30	0	0	0	0	30
11:45 PM	0	24	0	0	0	0	24
Total	7	9762	122	116	26	14	10047
Total %	0.1	97.2	1.2	1.2	0.3	0.1	100.0
AM Times	7:00 AM	7:45 AM	8:00 AM	10:00 AM	9:15 AM	9:00 AM	7:45 AM
AM Peaks	0	775	12	18	6	2	800
PM Times	4:45 PM	5:00 PM	3:30 PM	12:15 PM	2:15 PM	12:00 PM	5:00 PM
PM Peaks	3	1009	13	12	2	1	1025



Traffic Data Collection, LLC
 7504 Sawgrass Drive
 www.tdccounts.com
 Washington, Michigan, United States 48094
 Ph. (586) 786-5407
 Reliable Traffic Data

Count Name:
 TMC_14Broadway &
 Maiden_11-19-19
 Site Code: TMC_14
 Traffic Data Collection,
 LLC
 Start Date: 11/19/2019
 Page No: 3

Project: Lower Town Area
 Mobility Study
 Corridor: Broadway Street
 Weather: Cloudy, Dry
 Temp. 40's
 Video VCU ID#: SCU6H3
 NE

Plymouth Road (Eastbound)

Start Time	Motorcycles	Cars & Light Goods	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
11/19/2019 12:00 AM	0	23	0	0	0	0	23
12:15 AM	0	14	0	0	1	0	15
12:30 AM	0	15	0	0	0	0	15
12:45 AM	0	13	0	0	0	0	13
1:00 AM	0	14	0	0	0	0	14
1:15 AM	0	4	0	0	0	0	4
1:30 AM	0	11	0	0	0	0	11
1:45 AM	0	13	0	0	1	0	14
2:00 AM	0	4	0	0	0	0	4
2:15 AM	0	4	0	0	0	0	4
2:30 AM	0	0	0	0	0	0	0
2:45 AM	0	2	0	0	0	0	2
3:00 AM	0	3	0	2	0	0	5
3:15 AM	0	4	0	0	0	0	4
3:30 AM	0	5	0	0	0	0	5
3:45 AM	0	1	0	0	0	0	1
4:00 AM	0	3	0	1	0	0	4
4:15 AM	0	5	0	0	0	0	5
4:30 AM	0	5	0	0	0	0	5
4:45 AM	0	7	0	0	0	0	7
5:00 AM	0	5	0	1	1	0	7
5:15 AM	0	9	0	1	0	0	10
5:30 AM	0	17	0	0	0	0	17
5:45 AM	0	29	0	1	1	0	31
6:00 AM	0	25	0	1	1	0	27
6:15 AM	0	43	1	5	1	0	50
6:30 AM	0	46	2	0	0	0	48
6:45 AM	0	78	1	1	0	0	80
7:00 AM	0	58	3	0	0	0	61
7:15 AM	0	104	2	1	0	0	107
7:30 AM	0	141	4	0	3	0	148
7:45 AM	1	247	2	5	0	1	256
8:00 AM	0	193	3	1	0	0	197
8:15 AM	0	224	2	3	0	1	230
8:30 AM	0	205	2	4	0	0	211
8:45 AM	0	215	2	3	0	0	220
9:00 AM	0	183	3	3	0	0	189
9:15 AM	0	152	1	3	0	2	158
9:30 AM	0	133	2	4	0	0	139
9:45 AM	0	125	0	3	4	0	132
10:00 AM	0	128	4	1	2	0	135
10:15 AM	0	137	1	2	1	0	141
10:30 AM	0	129	3	9	0	0	141
10:45 AM	0	116	3	5	0	0	124
11:00 AM	0	116	4	2	1	0	123
11:15 AM	0	140	2	2	0	0	144
11:30 AM	0	133	3	1	1	0	138
11:45 AM	0	139	1	1	1	0	142
12:00 PM	0	158	3	2	1	1	165
12:15 PM	1	165	2	2	0	0	170
12:30 PM	0	165	2	4	0	0	171
12:45 PM	0	137	2	6	1	1	147
1:00 PM	0	153	2	2	0	0	157
1:15 PM	0	126	1	2	0	0	129
1:30 PM	0	126	2	1	1	0	130
1:45 PM	0	120	1	1	0	0	122
2:00 PM	0	105	2	0	0	0	107
2:15 PM	0	123	2	0	1	0	126
2:30 PM	0	144	3	3	2	0	152
2:45 PM	0	130	2	5	0	0	137
3:00 PM	0	165	4	1	1	0	171

3:15 PM	0	179	1	2	0	0	182
3:30 PM	1	178	6	2	0	0	187
3:45 PM	0	204	2	2	0	0	208
4:00 PM	0	191	1	1	0	1	194
4:15 PM	0	226	5	0	0	0	231
4:30 PM	0	219	2	4	1	0	226
4:45 PM	0	213	2	0	1	0	216
5:00 PM	0	213	2	0	0	0	215
5:15 PM	0	242	4	0	0	0	246
5:30 PM	0	257	2	2	0	0	261
5:45 PM	0	225	4	0	0	0	229
6:00 PM	0	158	0	1	0	1	160
6:15 PM	0	185	3	0	0	0	188
6:30 PM	0	154	2	2	0	0	158
6:45 PM	0	126	1	0	0	0	127
7:00 PM	0	149	1	0	0	2	152
7:15 PM	0	130	0	0	0	0	130
7:30 PM	0	125	1	0	0	0	126
7:45 PM	0	105	1	1	0	0	107
8:00 PM	0	91	1	0	0	0	92
8:15 PM	0	123	1	0	0	0	124
8:30 PM	0	93	1	0	0	0	94
8:45 PM	0	102	0	1	0	0	103
9:00 PM	0	110	1	0	0	0	111
9:15 PM	0	87	0	0	0	0	87
9:30 PM	0	71	1	0	0	1	73
9:45 PM	0	64	0	0	0	0	64
10:00 PM	0	75	1	1	0	0	77
10:15 PM	0	53	0	0	0	0	53
10:30 PM	0	37	1	1	0	0	39
10:45 PM	0	28	0	0	0	0	28
11:00 PM	0	38	1	0	0	0	39
11:15 PM	0	29	0	0	0	0	29
11:30 PM	0	46	1	0	0	0	47
11:45 PM	0	30	0	0	0	0	30
Total	3	9793	128	115	28	11	10078
Total %	0.0	97.2	1.3	1.1	0.3	0.1	100.0
AM Times	7:00 AM	7:45 AM	8:00 AM	10:00 AM	9:15 AM	9:00 AM	7:45 AM
AM Peaks	1	869	9	17	6	2	894
PM Times	4:45 PM	5:00 PM	3:30 PM	12:15 PM	2:15 PM	12:00 PM	5:00 PM
PM Peaks	0	937	14	14	4	2	951

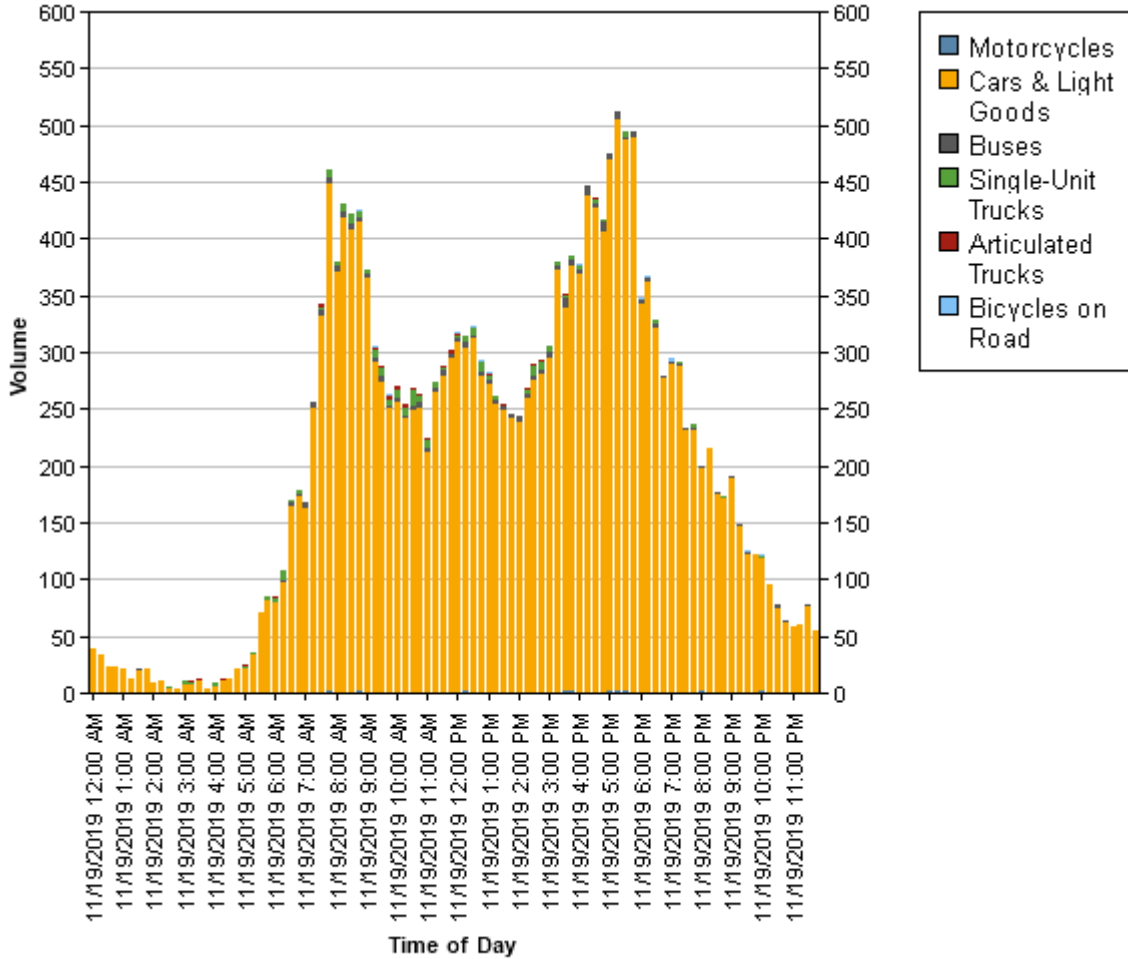


Traffic Data Collection

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU6H3
NE

Count Name:
TMC_14Broadway &
Maiden_11-19-19
Site Code: TMC_14
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 5





Project: Lower Town Area
Mobility Study
Corridor: Broadway Street
Weather: Cloudy, Dry
Temp. 40's
Video VCU ID#: SCU6H3
NE

Traffic Data Collection, LLC
7504 Sawgrass Drive
www.tdccounts.com
Washington, Michigan, United States 48094
Ph. (586) 786-5407
Reliable Traffic Data

Count Name:
TMC_14Broadway &
Maiden_11-19-19
Site Code: TMC_14
Traffic Data Collection,
LLC
Start Date: 11/19/2019
Page No: 6

TDC Traffic Comments: 24 hour video multi-modal intersection study includes premium vehicle classification turning movement count & automatic traffic recorder approach counts conducted during typical weekdays (Wednesday) from 12:00 AM-12:00 PM, while school was in session. Daily peak hour reports provided for morning, mid-day & afternoon peak hour study periods.

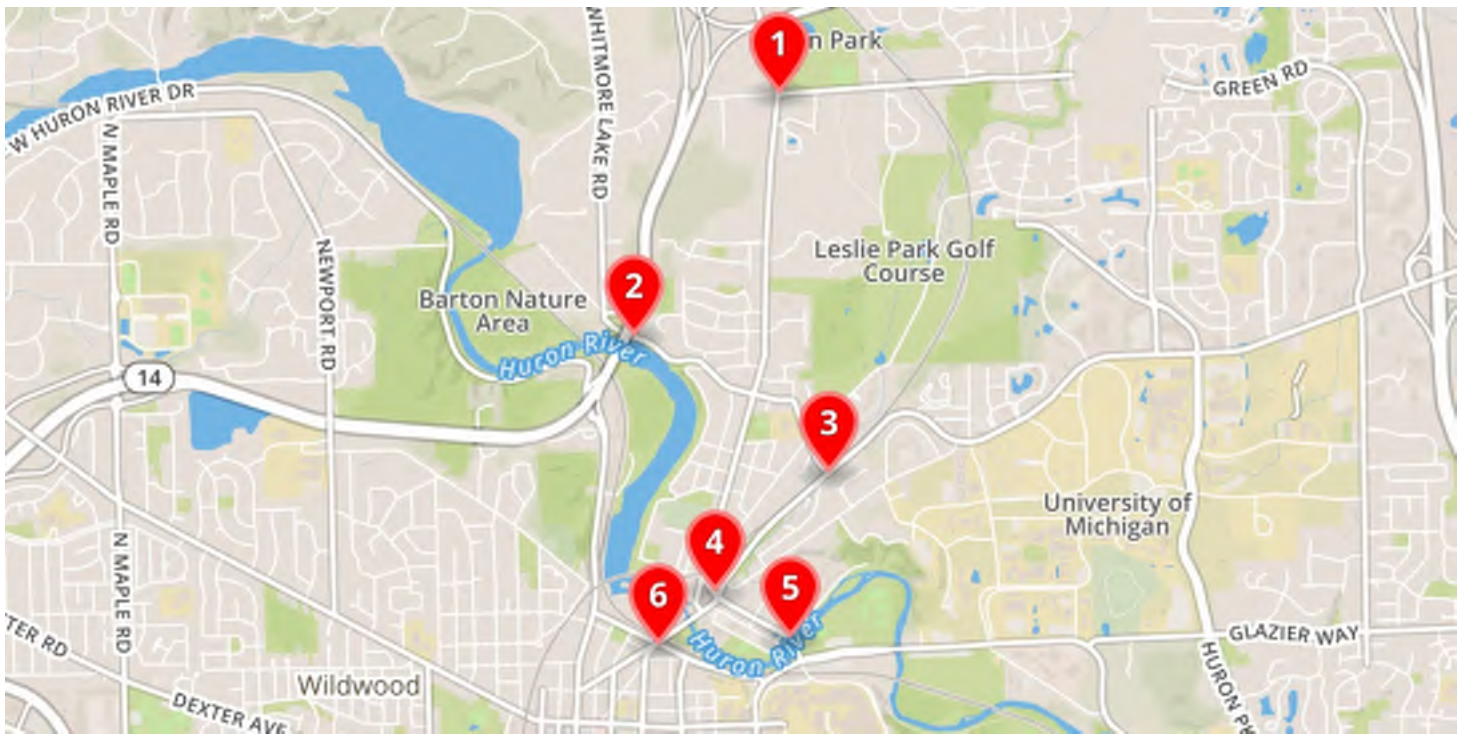
TMC was performed with Miovision video VCU scout recording cameras for City of Ann Arbor Lower Town Area Mobility Study for OHM / TDC Project Supplement No. 50. Signalized controlled intersection, push button ped. signals for all quadrants. VCU camera was located within NE intersection quadrant. All intersection shared video files have been uploaded to Miovision DataLink cloud platform.

Multi-Modal Classification Summary Details & Percentages: Eight (8) Groupings:

- 1) Motorcycles Includes: FHWA Classes 1 (Scooters & Motorcycles)***
- 2) Lights Includes: FHWA Classes 2-3 (Motorcycles, Pick Up Trucks, Vans, Light Goods Vehicles)***
- 3) Buses Includes: FHWA Class 4 (School Buses & Regional Transportation Metro Buses)***
- 4) Single-Unit Trucks Includes: FHWA Classes 5-7 (2-4 Axle SU Medium Trucks)***
- 5) Articulated Trucks Includes: FHWA Classes 8-12 (Heavy Trucks W/Single & Multi Unit Trailers)***
- 6) Bicycles On Road Includes: All bicycles on the roadway***
- 7) Bicycles On Crosswalk Includes: All bicycles using sidewalk***
- 8) Pedestrians Includes: All pedestrians using crosswalk***

Travel Time Summary

6 Locations | Ann Arbor, MI | Tue Nov 19, 2019 | 6:00AM - 7:00PM (13.0h)



Start Location	End Location	# of Trips	Travel Time (minutes)						Distance (mis) ¹	Speed (mph) ²					
			Median	85th Percentile	95th Percentile	Mean	Min	Max		Median	85th Percentile	95th Percentile	Mean	Min	Max
1 4. Pontiac Trail at Dhu Varren Rd	2 2. US-23 NB at Barton Dr	55	3.75	5.10	6.83	4.13	2.72	7.62	1.5	23.22	28.23	29.19	22.58	11.43	32.06
2 2. US-23 NB at Barton Dr	1 4. Pontiac Trail at Dhu Varren Rd	38	3.74	4.11	4.24	3.69	2.98	4.27	1.5	23.28	28.21	28.89	23.94	20.41	29.19
1 4. Pontiac Trail at Dhu Varren Rd	3 12. Plymouth Rd at Barton Dr	5	49.62	50.62	51.26	49.77	48.65	51.58	1.5	1.85	1.88	1.89	1.85	1.78	1.89
3 12. Plymouth Rd at Barton Dr	1 4. Pontiac Trail at Dhu Varren Rd	12	3.33	3.71	3.76	3.33	3.02	3.77	1.5	27.64	30.45	30.45	27.79	24.39	30.45
1 4. Pontiac Trail at Dhu Varren Rd	4 10. Moore St at Traver St	68	4.65	8.20	10.59	5.50	2.50	12.33	1.8	23.86	33.93	36.78	23.87	9.00	44.38

Start Location		End Location		# of Trips	Travel Time (minutes)						Distance (mis) ¹	Speed (mph) ²					
					Median	85th Percentile	95th Percentile	Mean	Min	Max		Median	85th Percentile	95th Percentile	Mean	Min	Max
4	10. Moore St at Traver St	1	4. Pontiac Trail at Dhu Varren Rd	86	3.91	4.68	6.00	4.14	2.98	6.80	1.8	28.39	31.70	33.41	27.58	16.32	37.19
1	4. Pontiac Trail at Dhu Varren Rd	5	25. Maiden Ln at Island Dr	35	9.00	12.52	13.48	8.99	4.50	14.67	2.2	14.48	23.68	25.06	16.18	8.88	28.96
5	25. Maiden Ln at Island Dr	1	4. Pontiac Trail at Dhu Varren Rd	21	6.05	7.23	7.87	6.28	4.83	8.65	2.2	21.54	24.82	26.87	21.29	15.06	26.96
1	4. Pontiac Trail at Dhu Varren Rd	6	375 Depot St, Ann Arbor, MI 48104, USA	52	5.65	6.98	8.23	5.72	3.58	8.70	2.1	22.52	28.64	31.87	23.27	14.63	35.51
6	375 Depot St, Ann Arbor, MI 48104, USA	1	4. Pontiac Trail at Dhu Varren Rd	24	5.01	5.50	5.56	4.97	4.18	5.57	2.1	25.41	28.23	29.25	25.79	22.86	30.42
2	2. US-23 NB at Barton Dr	3	12. Plymouth Rd at Barton Dr	154	3.58	4.82	6.02	3.76	2.00	6.73	0.9	15.80	20.47	22.97	16.18	8.41	28.32
3	12. Plymouth Rd at Barton Dr	2	2. US-23 NB at Barton Dr	178	3.45	5.34	6.72	3.87	2.03	7.52	0.9	16.42	21.29	25.17	16.30	7.53	27.85
2	2. US-23 NB at Barton Dr	4	10. Moore St at Traver St	103	5.10	6.94	9.22	5.28	2.48	10.67	1.3	14.84	20.65	25.07	15.77	7.10	30.48
4	10. Moore St at Traver St	2	2. US-23 NB at Barton Dr	197	4.05	5.62	7.16	4.33	2.50	9.00	1.3	18.69	25.09	25.98	18.97	8.41	30.27
2	2. US-23 NB at Barton Dr	5	25. Maiden Ln at Island Dr	119	6.78	10.45	12.67	7.48	3.35	16.98	1.6	14.01	20.31	23.87	14.43	5.60	28.37
5	25. Maiden Ln at Island Dr	2	2. US-23 NB at Barton Dr	81	5.62	7.63	9.88	5.99	3.35	10.45	1.6	16.92	21.93	26.52	17.16	9.09	28.37

Start Location		End Location		# of Trips	Travel Time (minutes)						Distance (mi) ¹	Speed (mph) ²					
					Median	85th Percentile	95th Percentile	Mean	Min	Max		Median	85th Percentile	95th Percentile	Mean	Min	Max
2	2. US-23 NB at Barton Dr	6	375 Depot St, Ann Arbor, MI 48104, USA	89	4.15	6.83	8.15	4.65	2.28	10.00	1.5	21.54	33.69	36.69	22.60	8.94	39.15
6	375 Depot St, Ann Arbor, MI 48104, USA	2	2. US-23 NB at Barton Dr	121	3.33	6.02	6.85	3.80	1.52	8.00	1.5	26.82	38.32	44.70	27.85	11.18	58.95
3	12. Plymouth Rd at Barton Dr	4	10. Moore St at Traver St	579	1.42	2.17	2.74	1.48	0.50	4.03	0.6	26.79	44.92	54.22	30.50	9.41	75.91
4	10. Moore St at Traver St	3	12. Plymouth Rd at Barton Dr	656	1.40	1.98	2.26	1.41	0.50	3.72	0.6	27.11	46.02	52.96	31.12	10.21	75.91
3	12. Plymouth Rd at Barton Dr	5	25. Maiden Ln at Island Dr	286	3.38	5.01	5.52	3.56	1.08	6.37	0.9	16.13	23.84	27.22	17.11	8.55	50.25
5	25. Maiden Ln at Island Dr	3	12. Plymouth Rd at Barton Dr	176	2.83	3.75	4.28	2.80	1.18	4.67	0.9	19.27	27.44	34.17	21.30	11.66	46.00
3	12. Plymouth Rd at Barton Dr	6	375 Depot St, Ann Arbor, MI 48104, USA	326	2.00	2.32	2.56	1.93	1.03	3.27	0.9	26.75	35.77	41.42	29.15	16.38	51.77
6	375 Depot St, Ann Arbor, MI 48104, USA	3	12. Plymouth Rd at Barton Dr	340	2.38	3.33	4.50	2.57	1.23	6.03	0.9	22.45	31.47	35.67	23.06	8.87	43.38
4	10. Moore St at Traver St	5	25. Maiden Ln at Island Dr	511	1.00	2.58	3.93	1.48	0.22	6.77	0.3	19.31	38.62	57.94	22.27	2.85	89.13
5	25. Maiden Ln at Island Dr	4	10. Moore St at Traver St	439	1.28	2.18	2.70	1.38	0.22	3.93	0.3	15.05	27.59	55.18	19.65	4.91	89.13
4	10. Moore St at Traver St	6	375 Depot St, Ann Arbor, MI 48104, USA	330	0.91	1.42	1.85	1.00	0.43	2.43	0.3	20.24	27.57	34.46	20.85	7.55	42.42

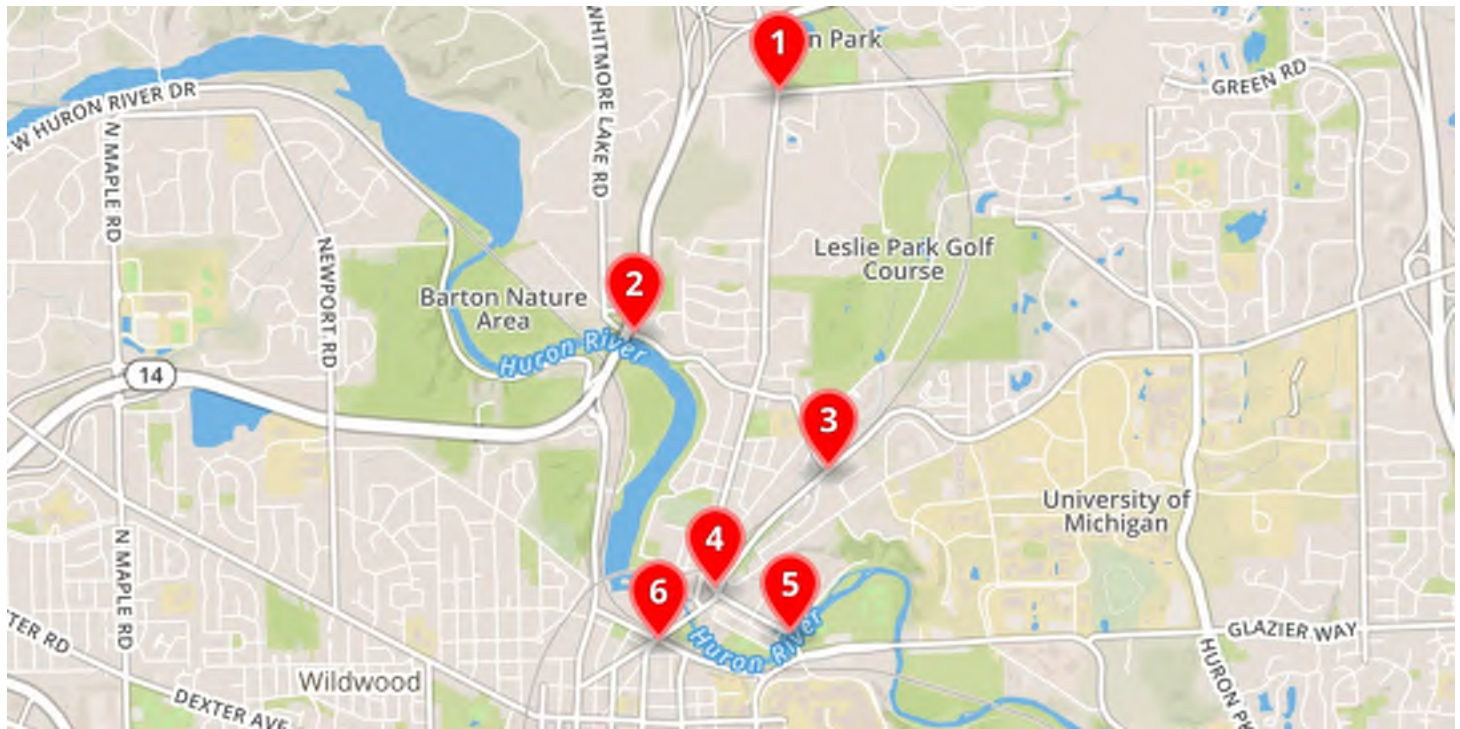
Start Location	End Location	# of Trips	Travel Time (minutes)						Distance (mis) ¹	Speed (mph) ²							
			Median	85th Percentile	95th Percentile	Mean	Min	Max		Median	85th Percentile	95th Percentile	Mean	Min	Max		
6	375 Depot St, Ann Arbor, MI 48104, USA	4	10. Moore St at Traver St	394	1.20	2.02	2.78	1.39	0.43	4.30	0.3	15.32	23.49	28.28	16.12	4.27	42.42
5	25. Maiden Ln at Island Dr	6	375 Depot St, Ann Arbor, MI 48104, USA	81	2.33	3.27	3.93	2.31	0.65	4.15	0.6	14.70	29.40	46.77	18.98	8.27	52.77
6	375 Depot St, Ann Arbor, MI 48104, USA	5	25. Maiden Ln at Island Dr	128	2.26	4.71	7.03	2.84	0.65	11.03	0.6	15.19	28.97	36.74	17.50	3.11	52.77

¹ Distance is the length of the Fastest Route between the locations in Google Maps. If Google Maps is unavailable or if Google Maps reports a distance longer than twice the aerial (as the bird flies) distance, the aerial distance is used and is denoted by an asterisk (*). See help.miovision.com/kb/distance for more information.

² Speed is the distance between the points divided by the travel time. This value is known as the space mean speed. This report was configured to include trips with calculated speeds between 1.0 mph and 90.0 mph. If you want a report that includes trips with a different range of speeds, or all trips, contact the person who generated the report.

Travel Time Reliability Summary

6 Locations | Ann Arbor, MI | Tue Nov 19, 2019 | 6:00AM - 7:00PM (13.0h)



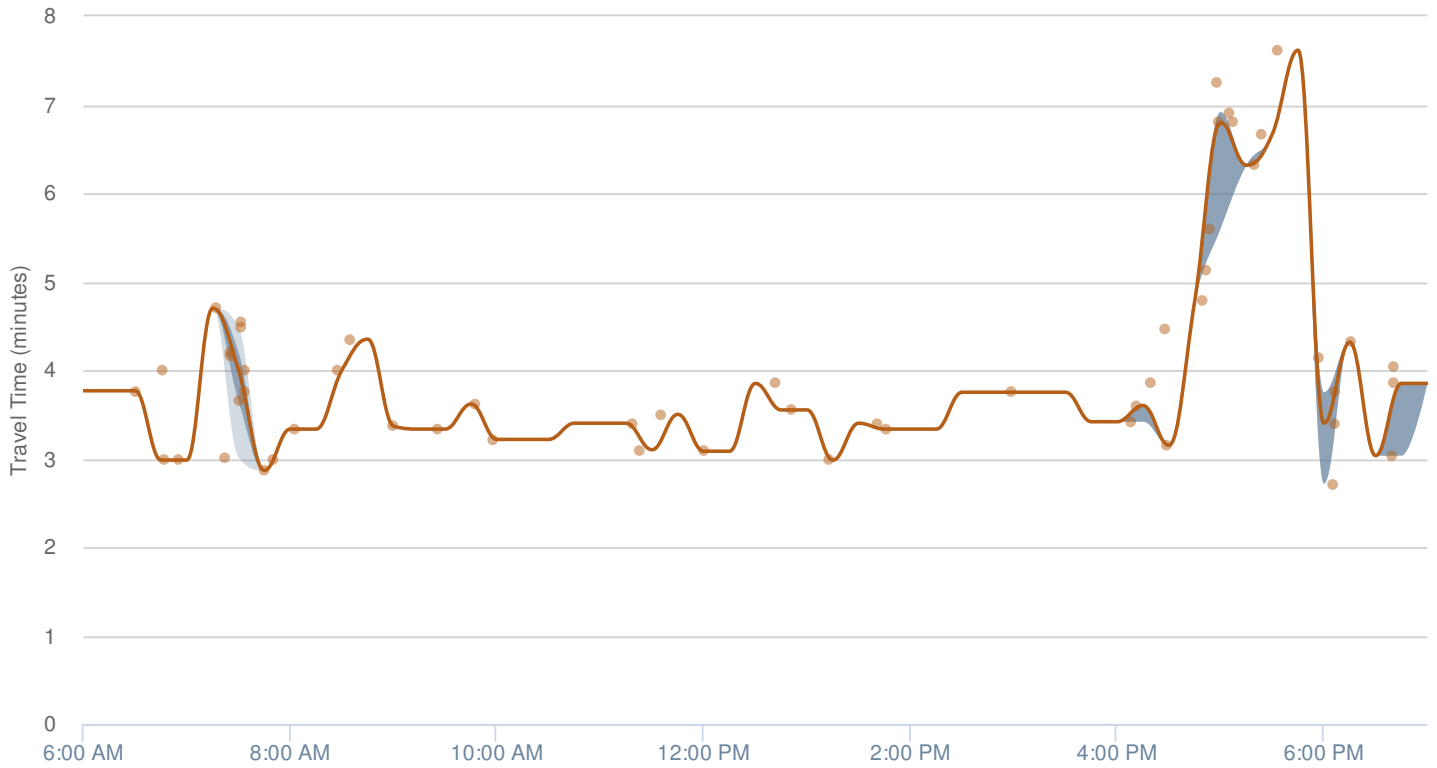
Start Location	End Location	Planning Time Index AM (6am - 9am)	Planning Time Index PM (4pm - 7pm)	Travel Time Index AM (6am - 9am)	Travel Time Index PM (4pm - 7pm)	Buffer Time Index AM (6am - 9am)	Buffer Time Index PM (4pm - 7pm)
1 4. Pontiac Trail at Dhu Varren Rd	2 2. US-23 NB at Barton Dr	1.30	1.89	1.13	1.47	0.15	0.29
2 2. US-23 NB at Barton Dr	1 4. Pontiac Trail at Dhu Varren Rd	1.02	1.19	1.08	1.07	-0.05	0.12
1 4. Pontiac Trail at Dhu Varren Rd	3 12. Plymouth Rd at Barton Dr		1.00		1.00		0.00
3 12. Plymouth Rd at Barton Dr	1 4. Pontiac Trail at Dhu Varren Rd	0.91	1.05	0.91	1.00	0.00	0.05
1 4. Pontiac Trail at Dhu Varren Rd	4 10. Moore St at Traver St	2.42	1.04	1.79	1.02	0.35	0.02
4 10. Moore St at Traver St	1 4. Pontiac Trail at Dhu Varren Rd	1.26	1.21	1.38	1.10	-0.09	0.10
1 4. Pontiac Trail at Dhu Varren Rd	5 25. Maiden Ln at Island Dr	1.74	1.15	1.52	1.17	0.15	-0.01
5 25. Maiden Ln at Island Dr	1 4. Pontiac Trail at Dhu Varren Rd	1.64	1.41	1.64	1.26	0.00	0.12
1 4. Pontiac Trail at Dhu Varren Rd	6 375 Depot St, Ann Arbor, MI 48104, USA	1.41	1.18	1.27	1.00	0.11	0.17

Start Location		End Location		Planning Time Index AM (6am - 9am)	Planning Time Index PM (4pm - 7pm)	Travel Time Index AM (6am - 9am)	Travel Time Index PM (4pm - 7pm)	Buffer Time Index AM (6am - 9am)	Buffer Time Index PM (4pm - 7pm)
6	375 Depot St, Ann Arbor, MI 48104, USA	1	4. Pontiac Trail at Dhu Varren Rd	1.09	1.19	1.07	1.12	0.01	0.07
2	2. US-23 NB at Barton Dr	3	12. Plymouth Rd at Barton Dr	1.94	1.76	1.45	1.29	0.33	0.36
3	12. Plymouth Rd at Barton Dr	2	2. US-23 NB at Barton Dr	1.23	2.39	1.15	1.91	0.06	0.25
2	2. US-23 NB at Barton Dr	4	10. Moore St at Traver St	2.23	1.37	1.54	1.20	0.45	0.14
4	10. Moore St at Traver St	2	2. US-23 NB at Barton Dr	1.36	2.40	1.24	1.79	0.09	0.35
2	2. US-23 NB at Barton Dr	5	25. Maiden Ln at Island Dr	2.48	1.39	1.86	1.24	0.33	0.12
5	25. Maiden Ln at Island Dr	2	2. US-23 NB at Barton Dr	1.03	2.02	0.93	1.67	0.11	0.21
2	2. US-23 NB at Barton Dr	6	375 Depot St, Ann Arbor, MI 48104, USA	2.74	2.20	2.28	1.62	0.20	0.36
6	375 Depot St, Ann Arbor, MI 48104, USA	2	2. US-23 NB at Barton Dr	1.08	2.63	0.88	2.00	0.22	0.32
3	12. Plymouth Rd at Barton Dr	4	10. Moore St at Traver St	3.97	1.95	2.17	1.48	0.83	0.31
4	10. Moore St at Traver St	3	12. Plymouth Rd at Barton Dr	2.51	2.67	1.76	1.67	0.43	0.60
3	12. Plymouth Rd at Barton Dr	5	25. Maiden Ln at Island Dr	2.13	2.11	1.61	1.38	0.33	0.52
5	25. Maiden Ln at Island Dr	3	12. Plymouth Rd at Barton Dr	1.71	2.25	1.37	1.68	0.25	0.33
3	12. Plymouth Rd at Barton Dr	6	375 Depot St, Ann Arbor, MI 48104, USA	1.79	1.69	1.40	1.38	0.28	0.23
6	375 Depot St, Ann Arbor, MI 48104, USA	3	12. Plymouth Rd at Barton Dr	2.45	2.02	1.96	1.41	0.25	0.44
4	10. Moore St at Traver St	5	25. Maiden Ln at Island Dr	6.97	4.58	3.82	2.01	0.82	1.28
5	25. Maiden Ln at Island Dr	4	10. Moore St at Traver St	3.16	4.53	1.55	2.53	1.04	0.79
4	10. Moore St at Traver St	6	375 Depot St, Ann Arbor, MI 48104, USA	2.94	2.31	2.05	1.42	0.43	0.62

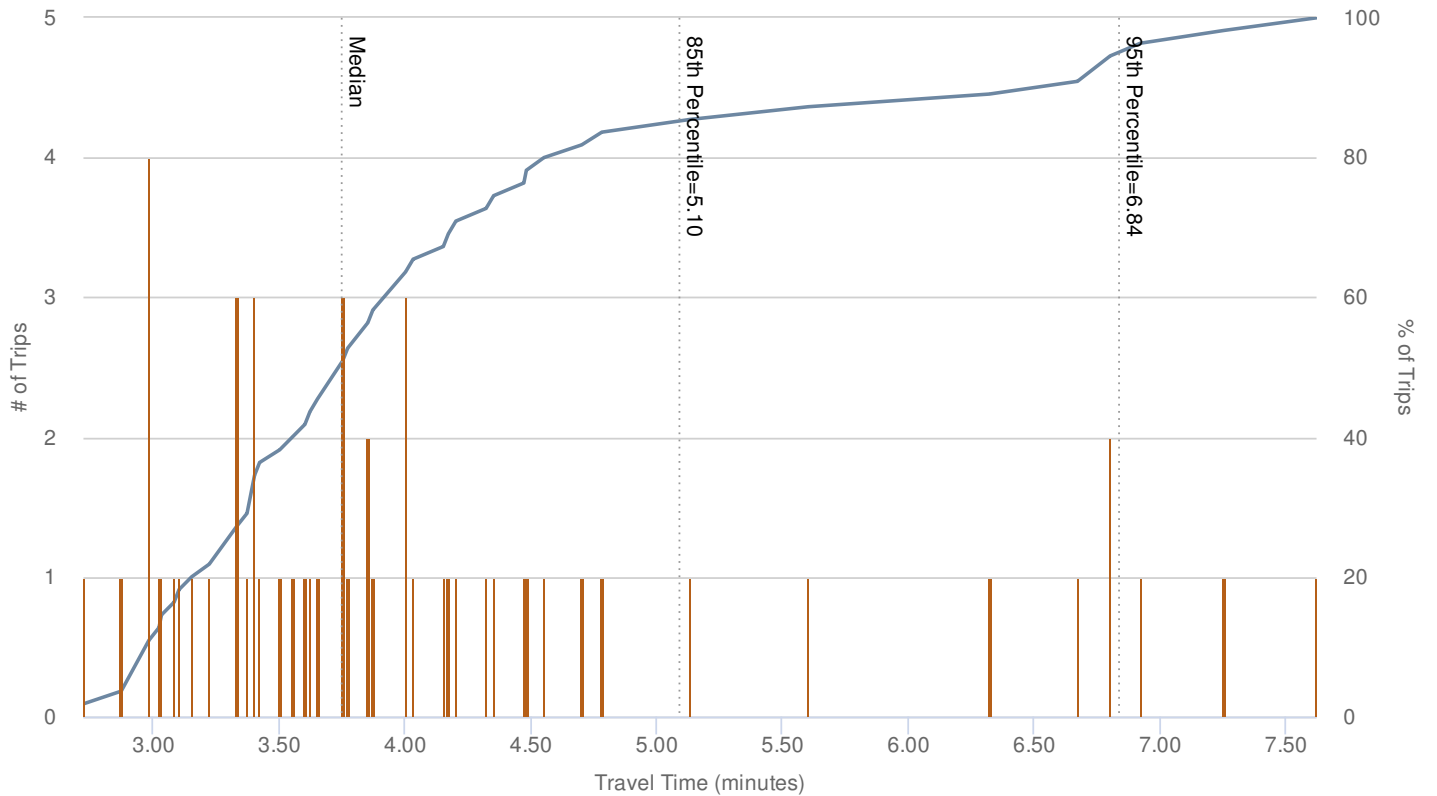
Start Location		End Location		Planning Time Index AM (6am - 9am)	Planning Time Index PM (4pm - 7pm)	Travel Time Index AM (6am - 9am)	Travel Time Index PM (4pm - 7pm)	Buffer Time Index AM (6am - 9am)	Buffer Time Index PM (4pm - 7pm)
6	375 Depot St, Ann Arbor, MI 48104, USA	4	10. Moore St at Traver St	3.57	3.06	2.43	2.02	0.47	0.51
5	25. Maiden Ln at Island Dr	6	375 Depot St, Ann Arbor, MI 48104, USA	2.28	2.23	1.65	1.53	0.38	0.46
6	375 Depot St, Ann Arbor, MI 48104, USA	5	25. Maiden Ln at Island Dr	5.44	2.90	3.35	2.00	0.62	0.45

4. Pontiac Trail at Dhu Varren Rd to 2. US-23 NB at Barton Dr

1 to 2 | (42.316173, -83.734139) to (42.303447, -83.744381)



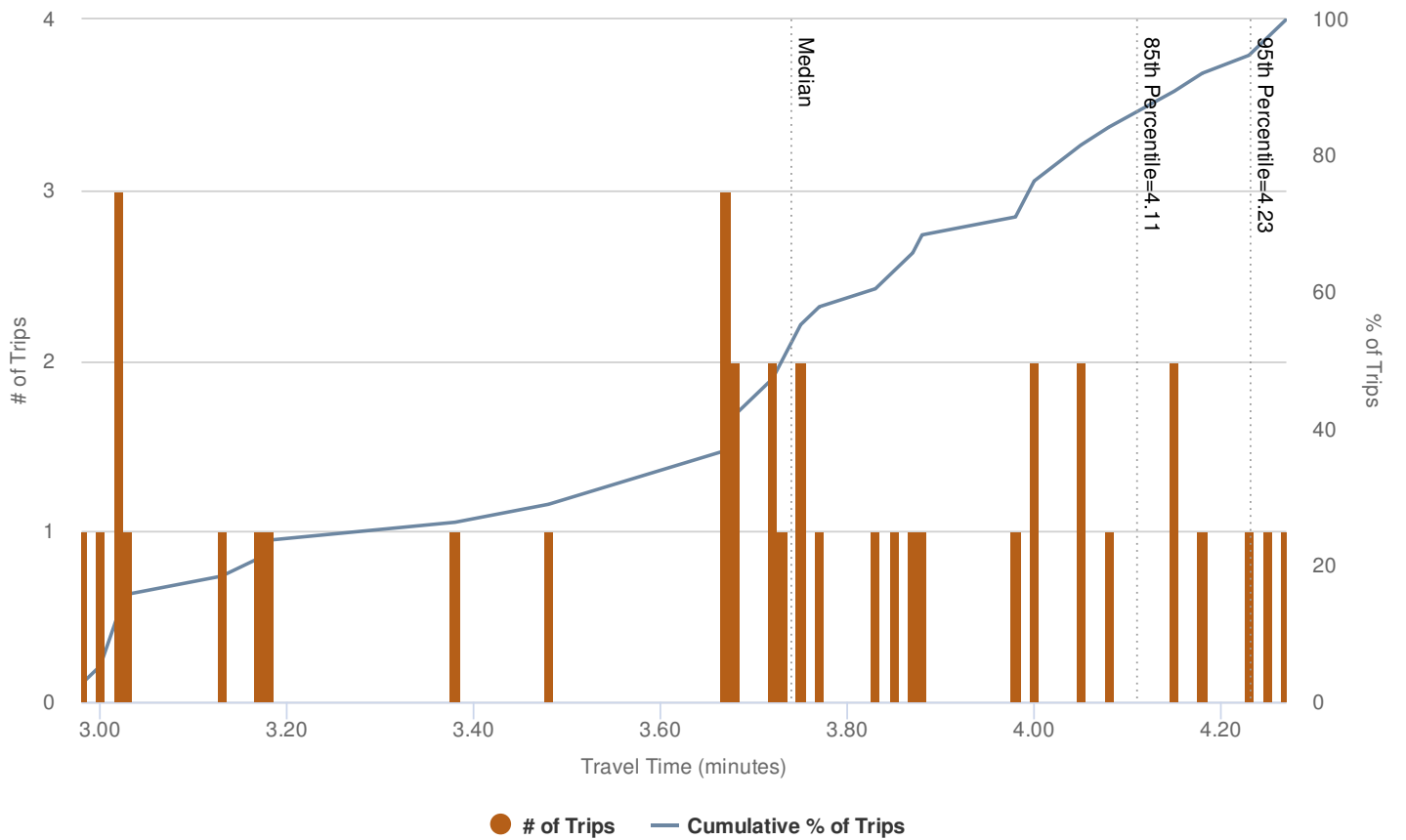
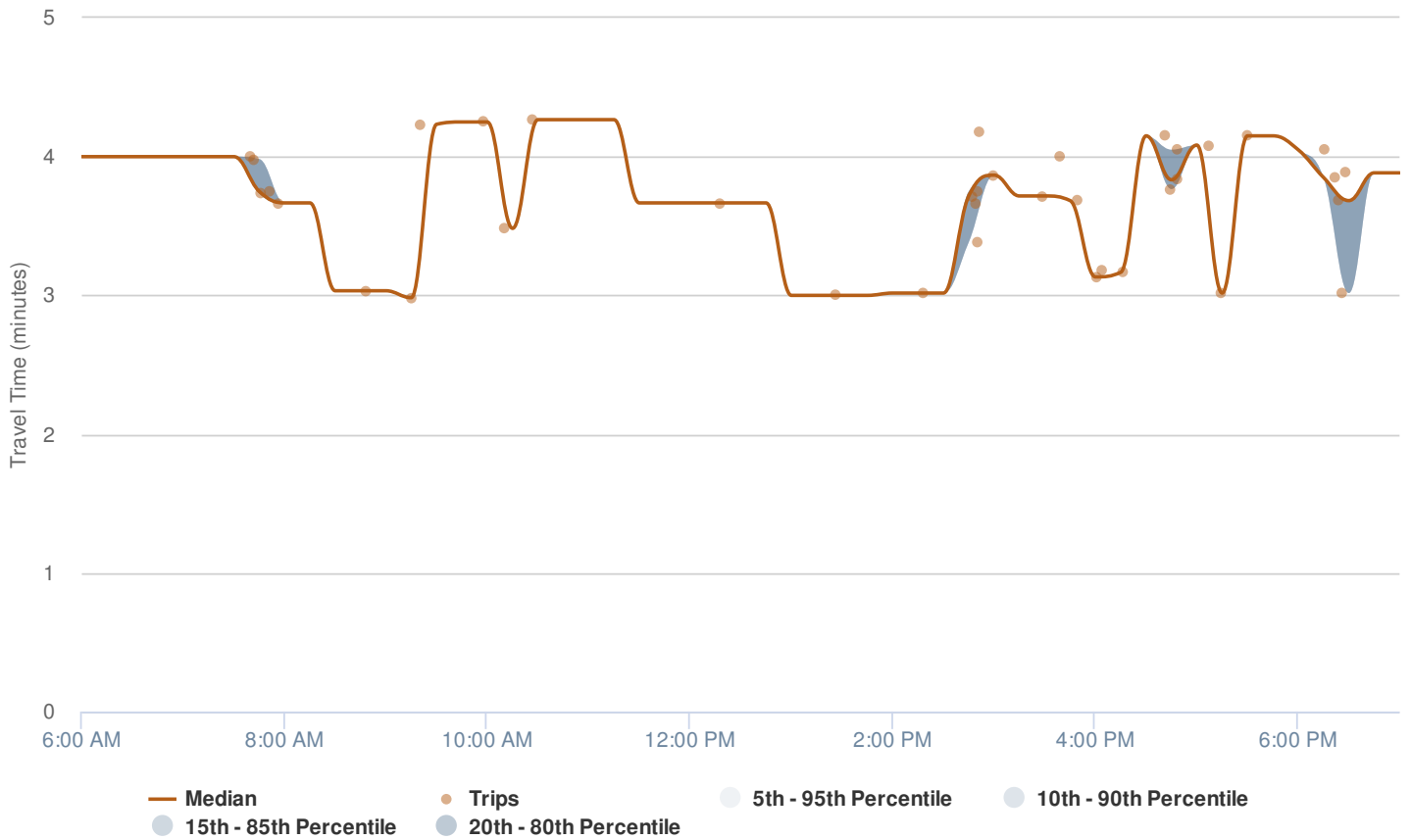
— Median
 ● Trips
 ● 5th - 95th Percentile
 ● 10th - 90th Percentile
● 15th - 85th Percentile
 ● 20th - 80th Percentile



● # of Trips
 — Cumulative % of Trips

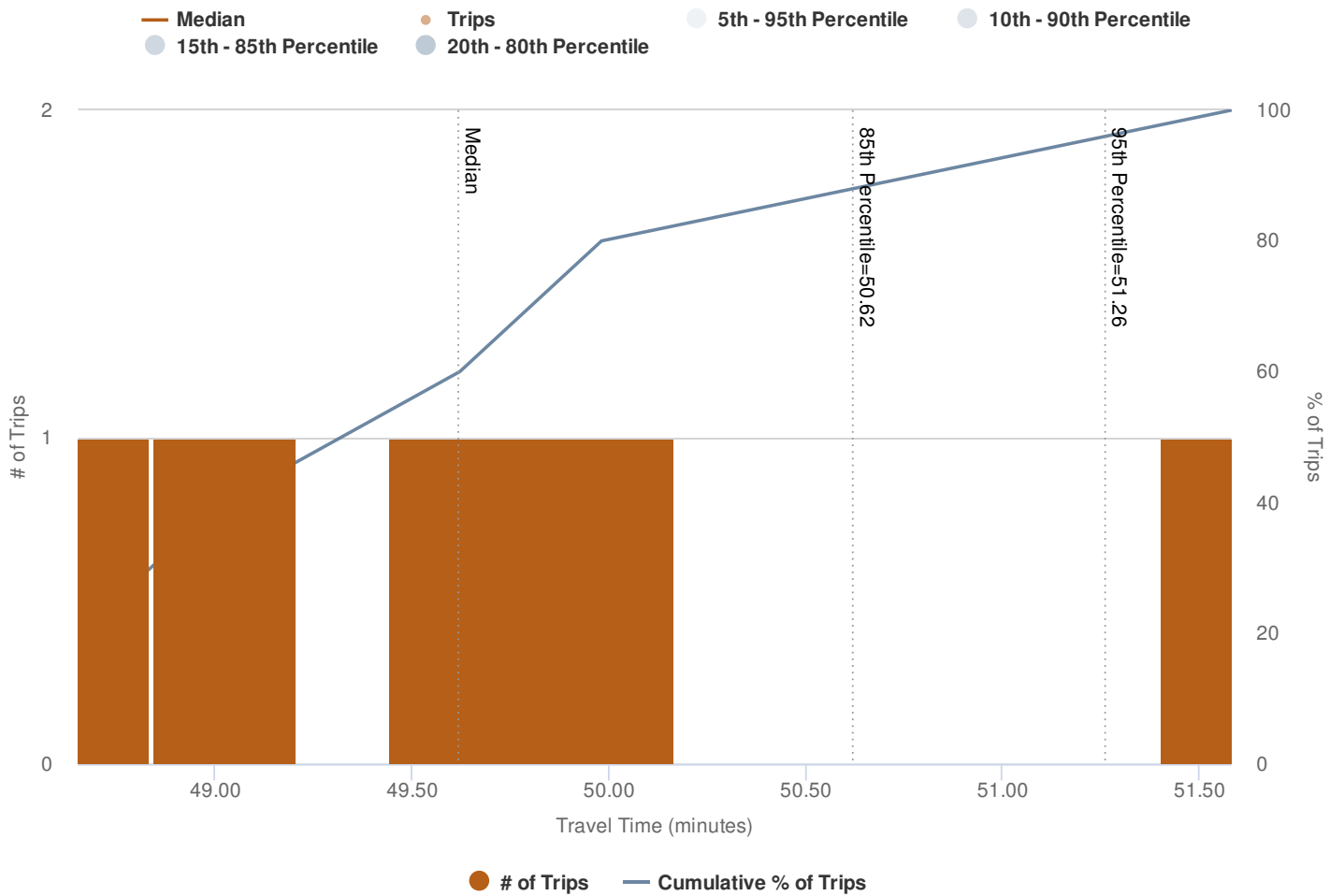
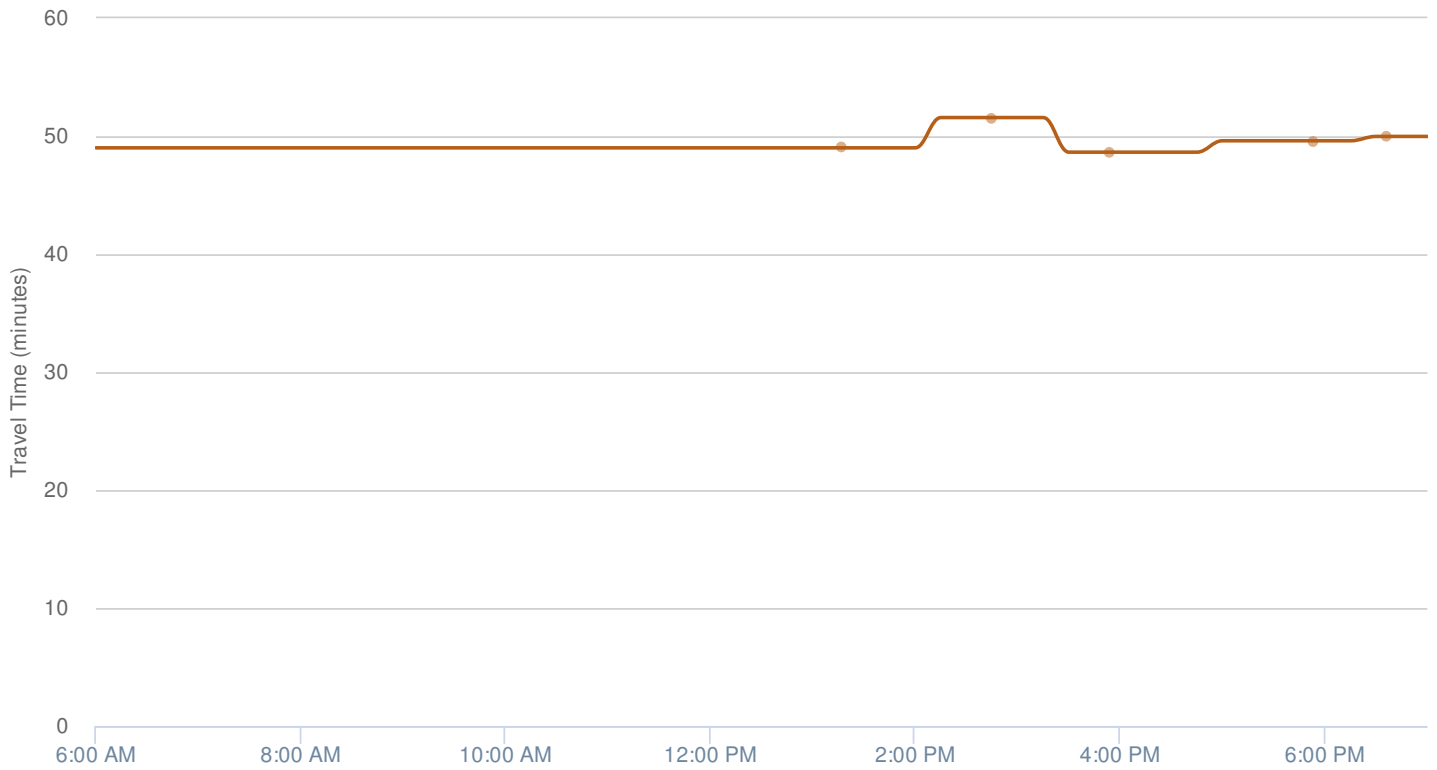
2. US-23 NB at Barton Dr to 4. Pontiac Trail at Dhu Varren Rd

2 to 1 | (42.303447, -83.744381) to (42.316173, -83.734139)



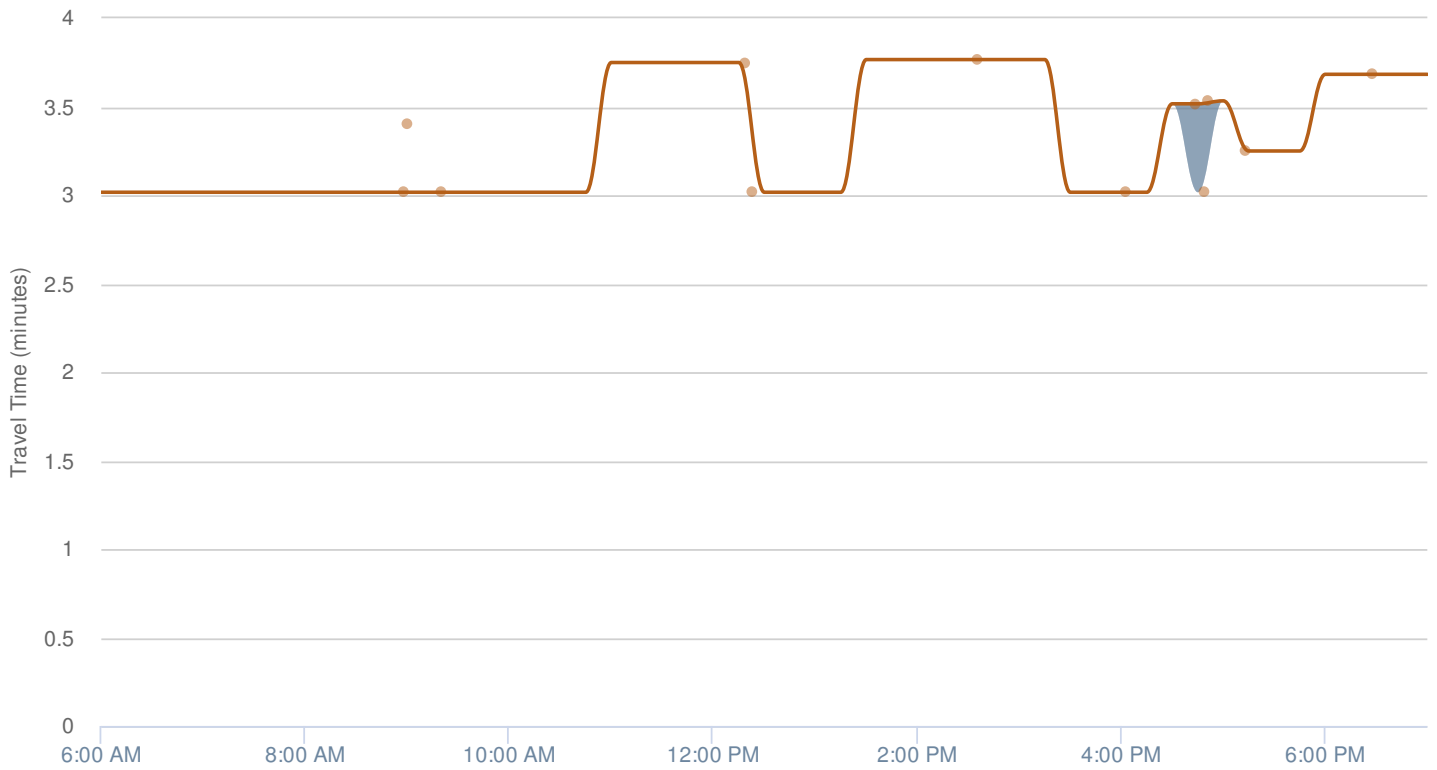
4. Pontiac Trail at Dhu Varren Rd to 12. Plymouth Rd at Barton Dr

1 to 3 | (42.316173, -83.734139) to (42.296304, -83.730543)

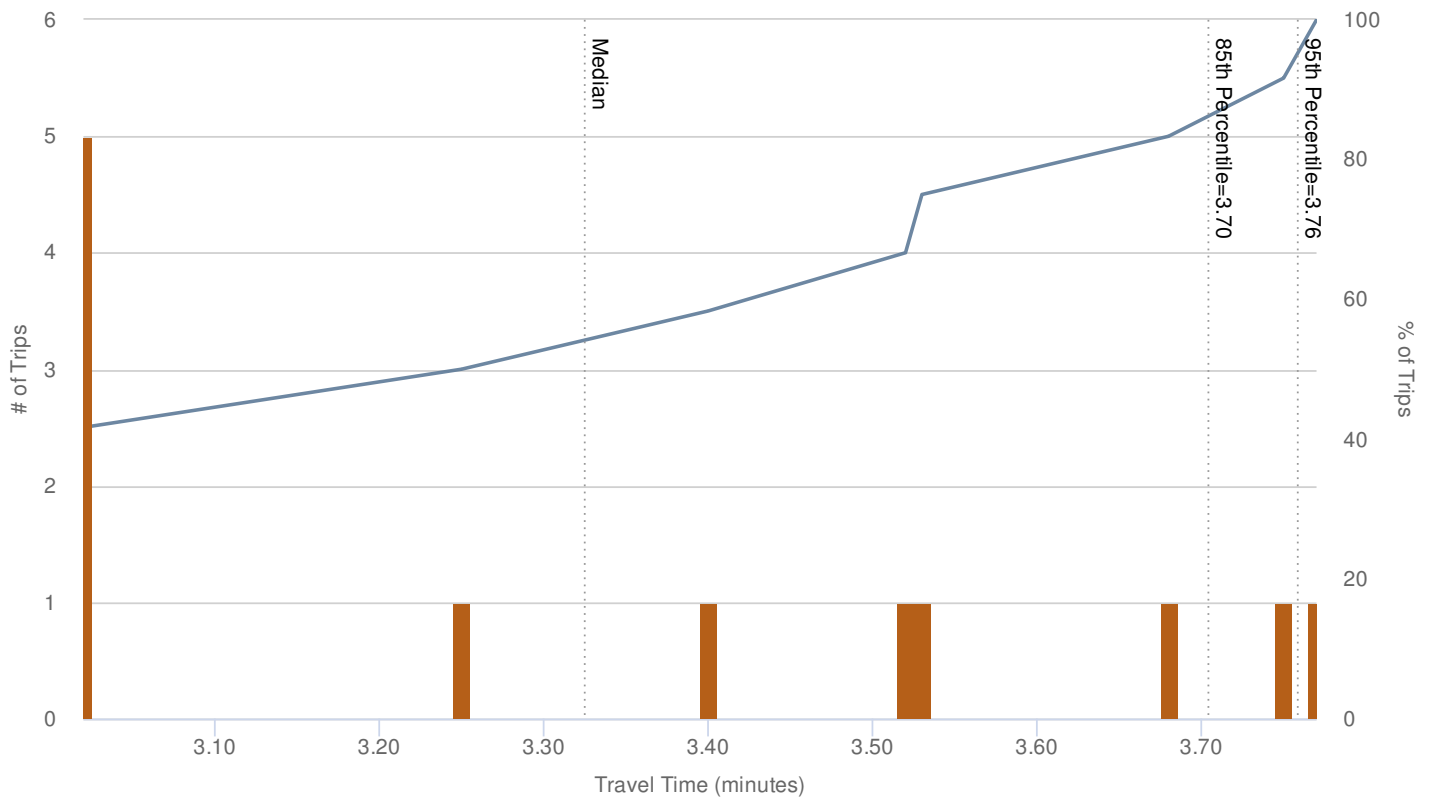


12. Plymouth Rd at Barton Dr to 4. Pontiac Trail at Dhu Varren Rd

3 to 1 | (42.296304, -83.730543) to (42.316173, -83.734139)



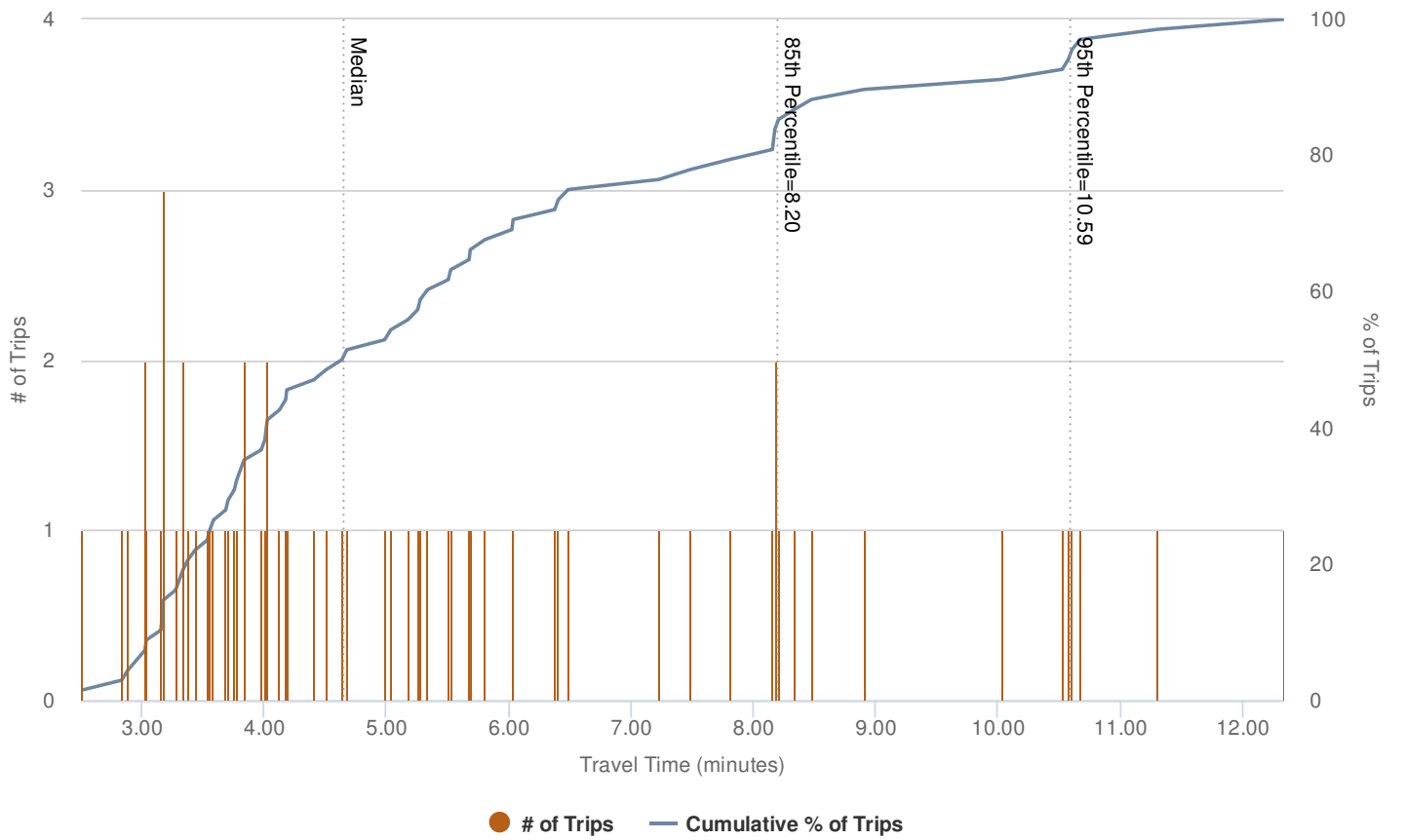
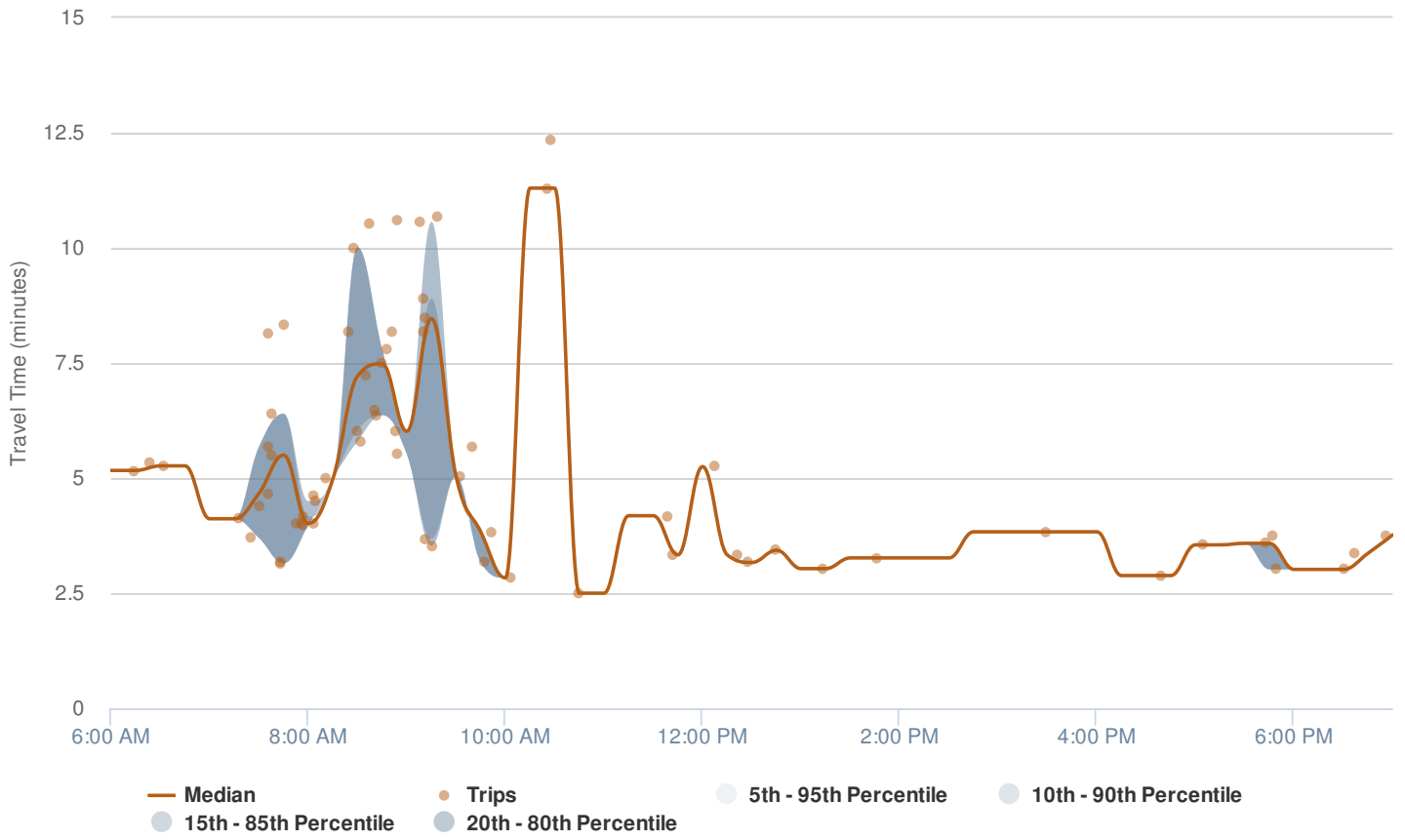
— Median
 ● Trips
 ● 5th - 95th Percentile
 ● 10th - 90th Percentile
● 15th - 85th Percentile
 ● 20th - 80th Percentile



● # of Trips
 — Cumulative % of Trips

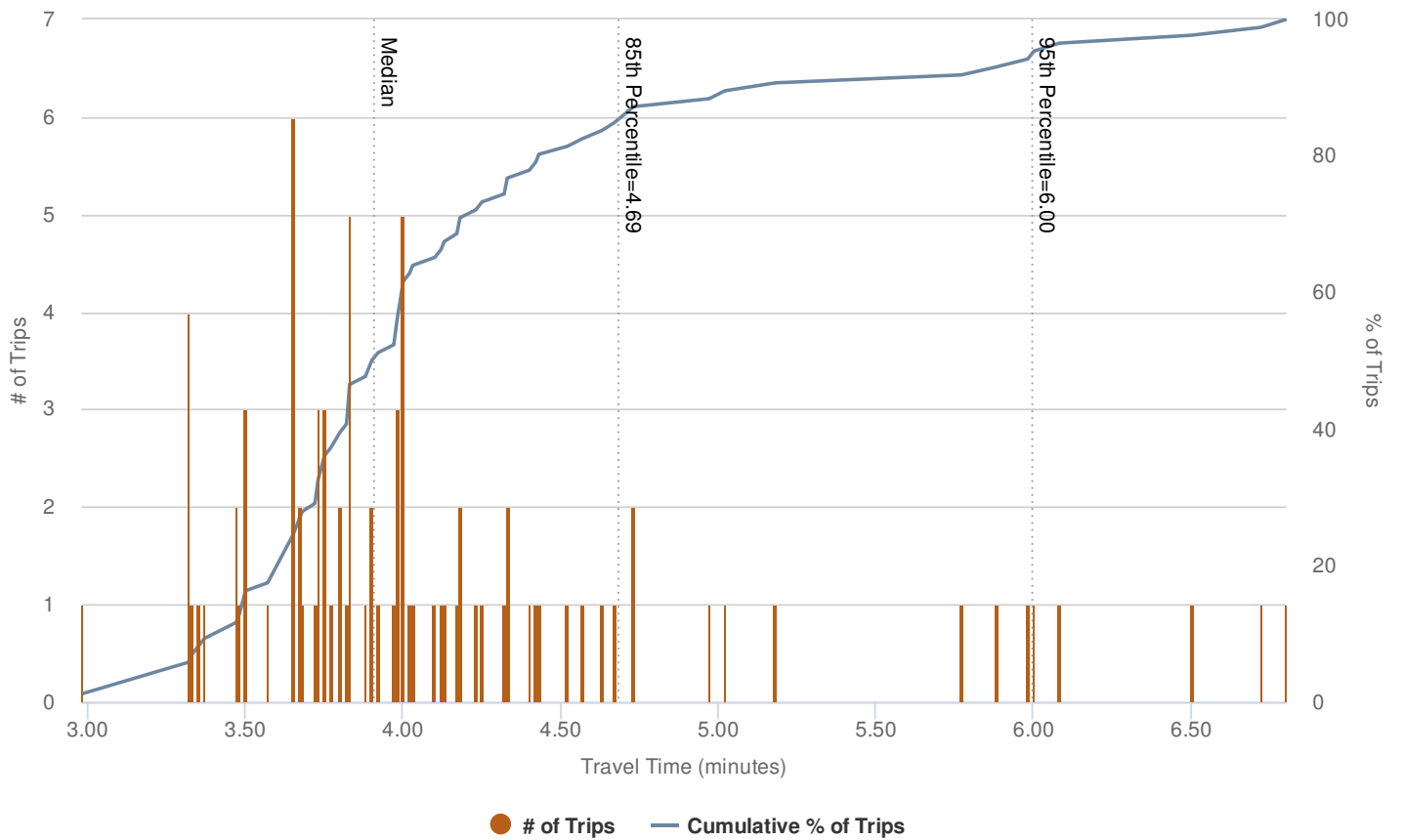
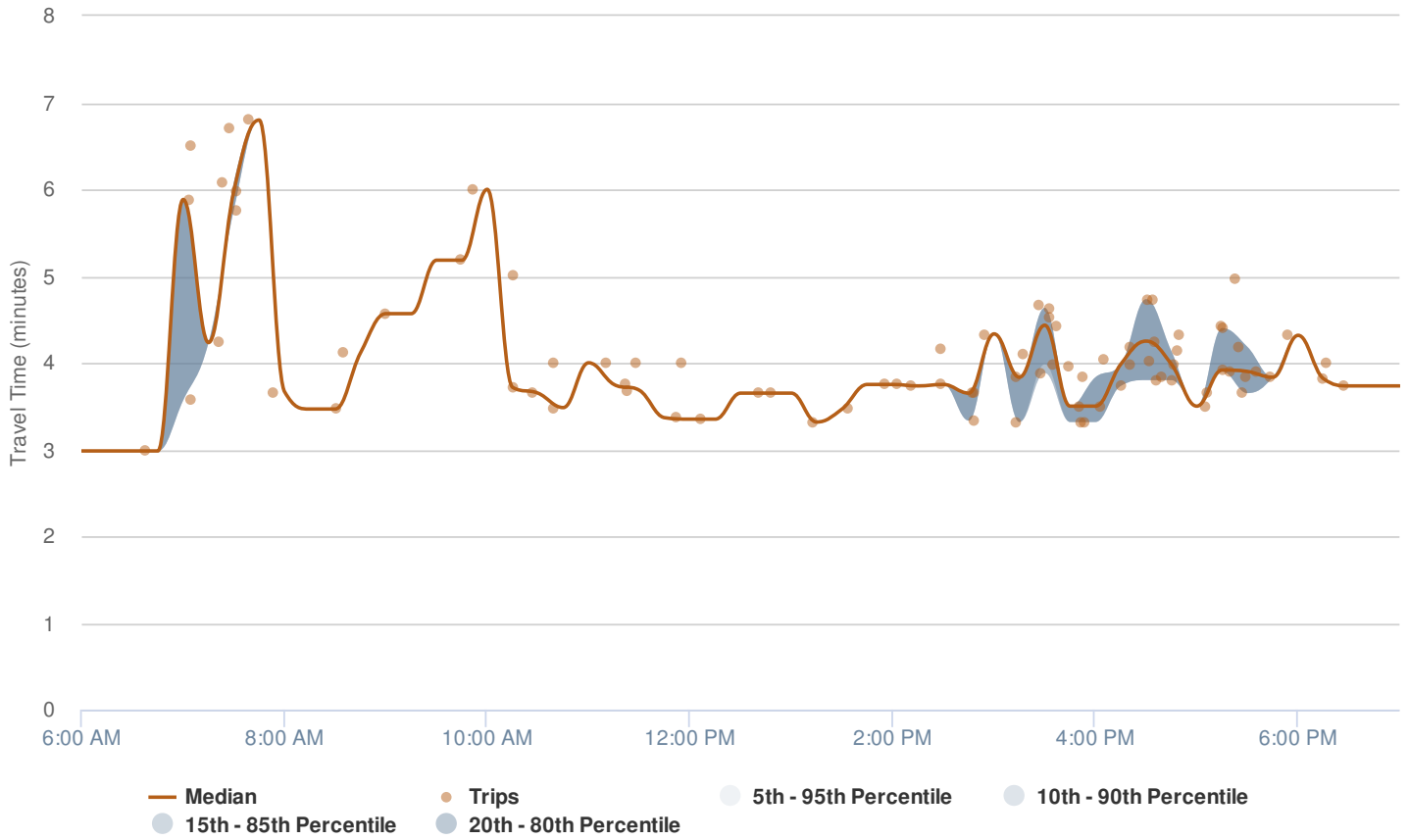
4. Pontiac Trail at Dhu Varren Rd to 10. Moore St at Traver St

1 to 4 | (42.316173, -83.734139) to (42.290075, -83.738676)



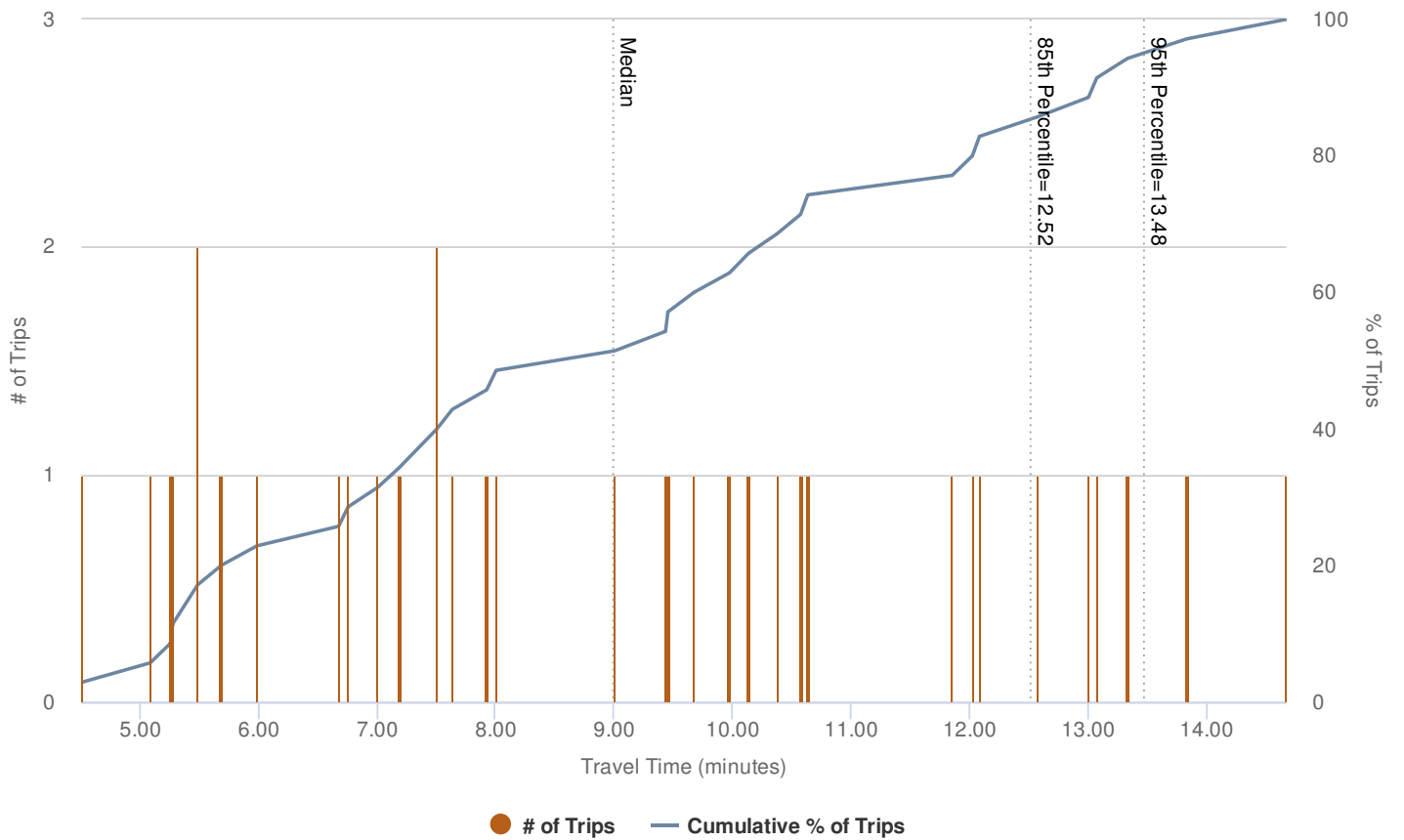
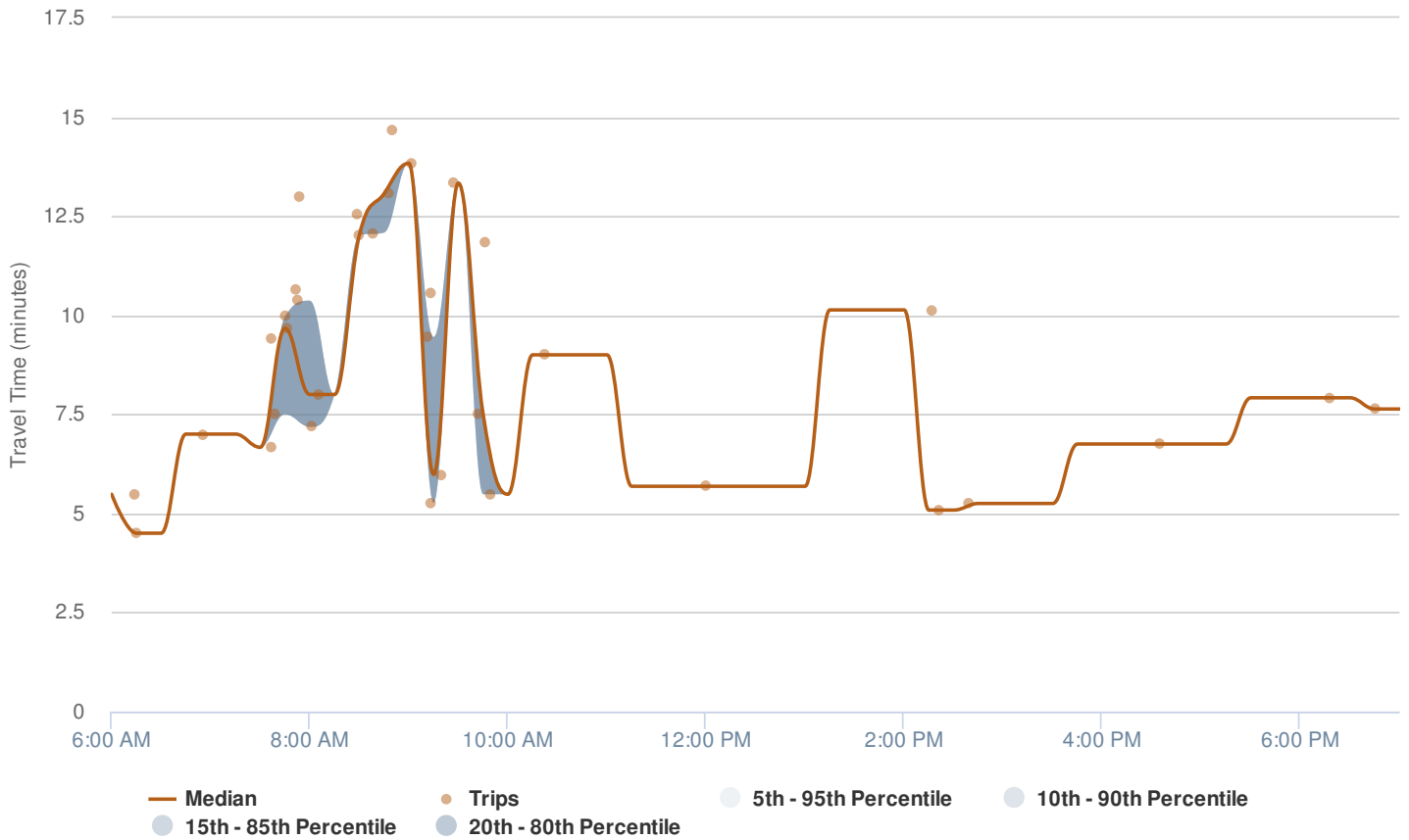
10. Moore St at Traver St to 4. Pontiac Trail at Dhu Varren Rd

4 to 1 | (42.290075, -83.738676) to (42.316173, -83.734139)



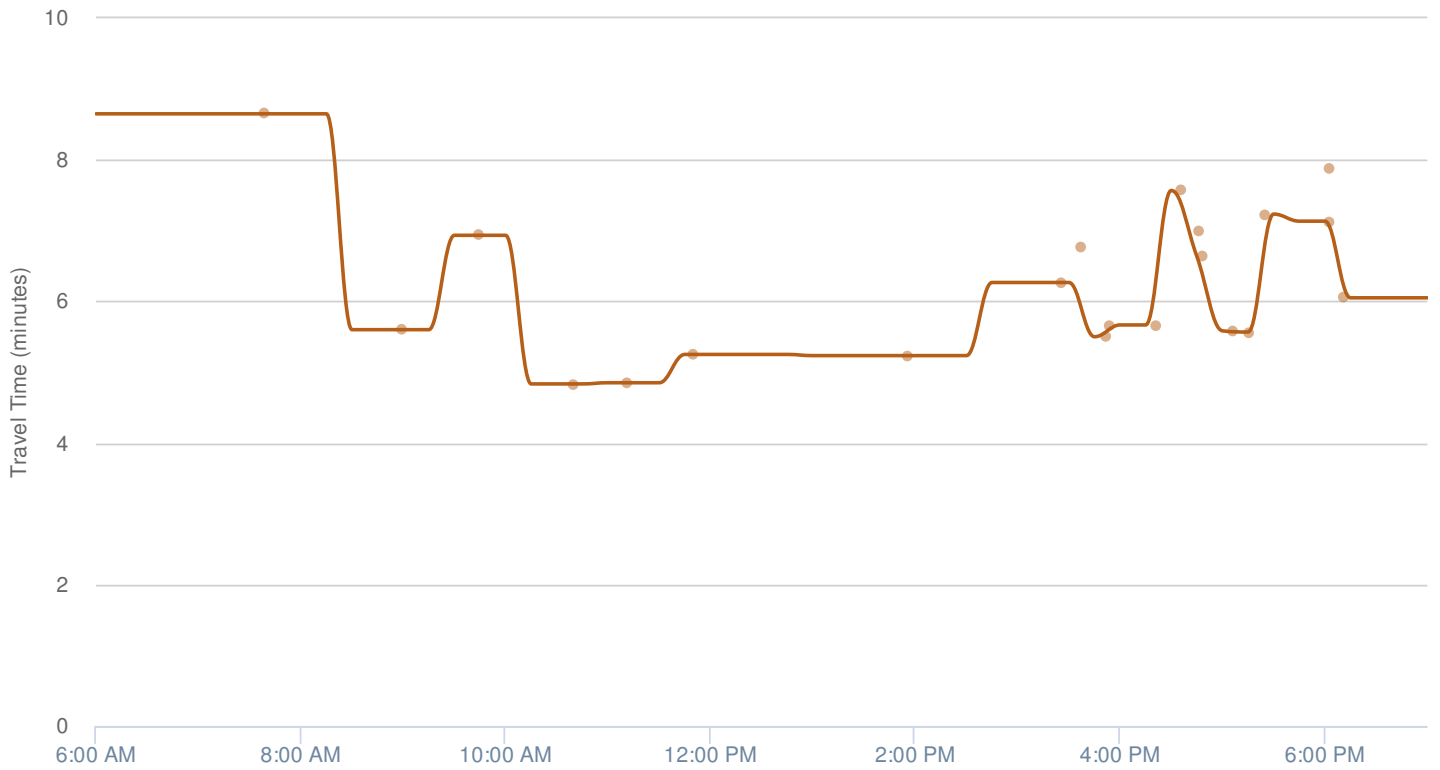
4. Pontiac Trail at Dhu Varren Rd to 25. Maiden Ln at Island Dr

1 to 5 | (42.316173, -83.734139) to (42.287652, -83.73335)

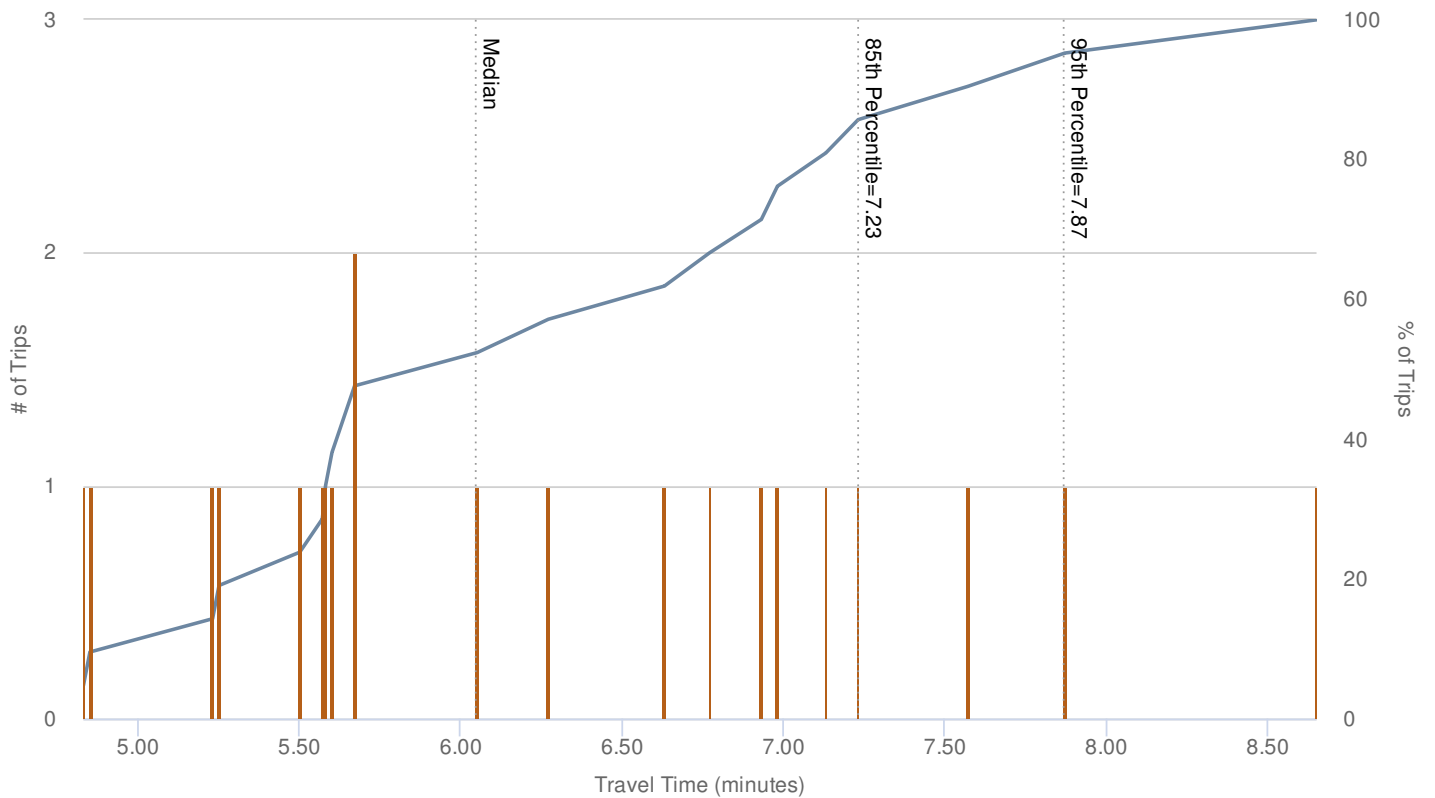


25. Maiden Ln at Island Dr to 4. Pontiac Trail at Dhu Varren Rd

5 to 1 | (42.287652, -83.73335) to (42.316173, -83.734139)



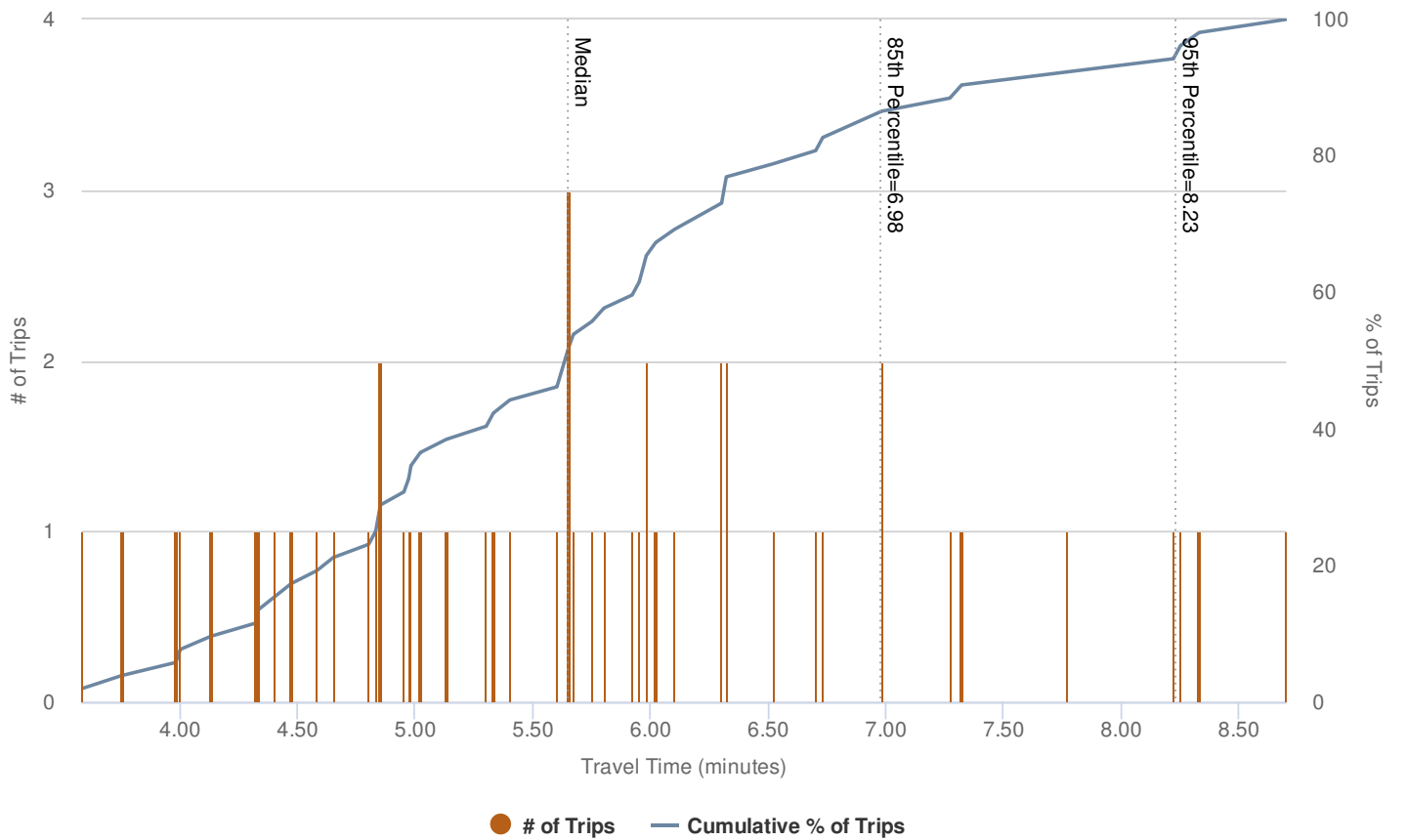
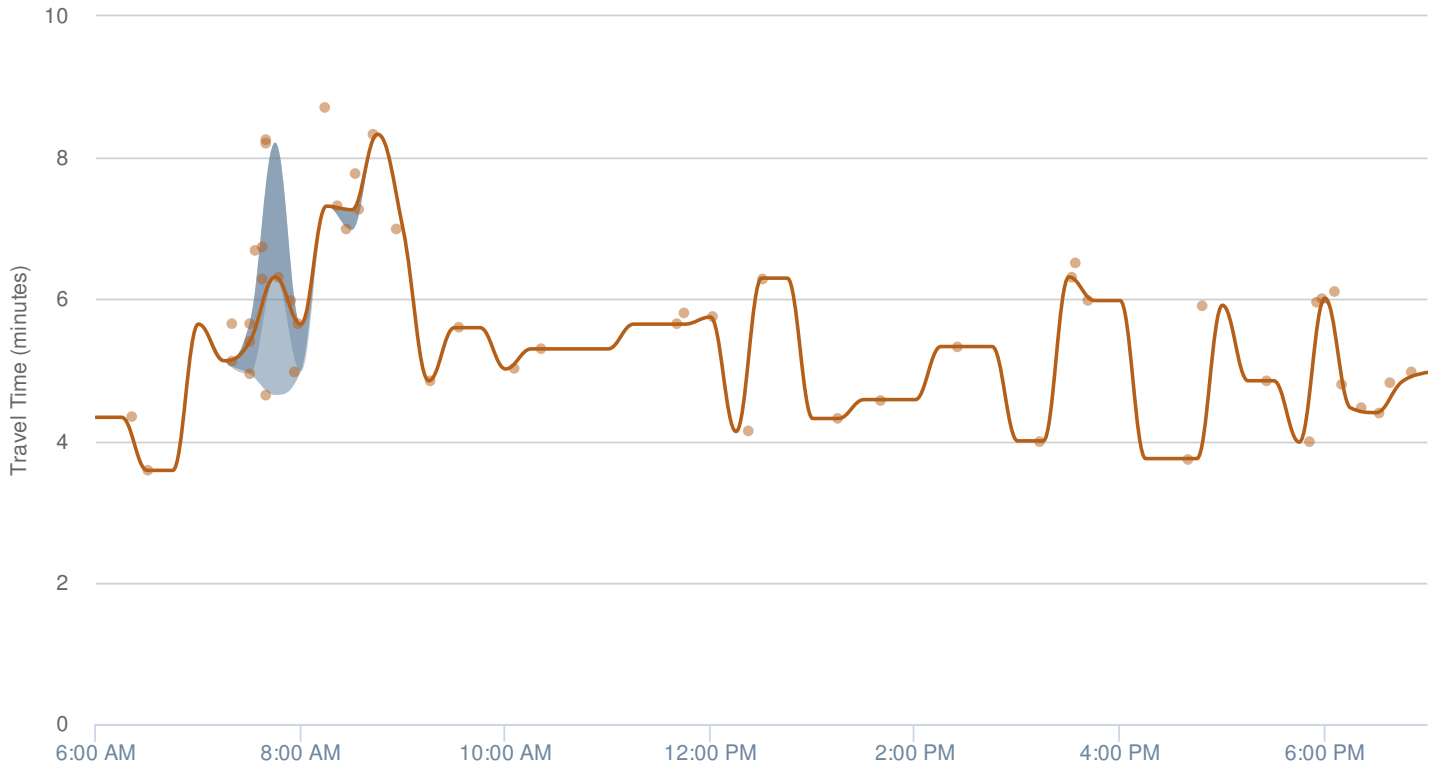
— Median
 ● Trips
 ● 5th - 95th Percentile
 ● 10th - 90th Percentile
● 15th - 85th Percentile
 ● 20th - 80th Percentile



● # of Trips
 — Cumulative % of Trips

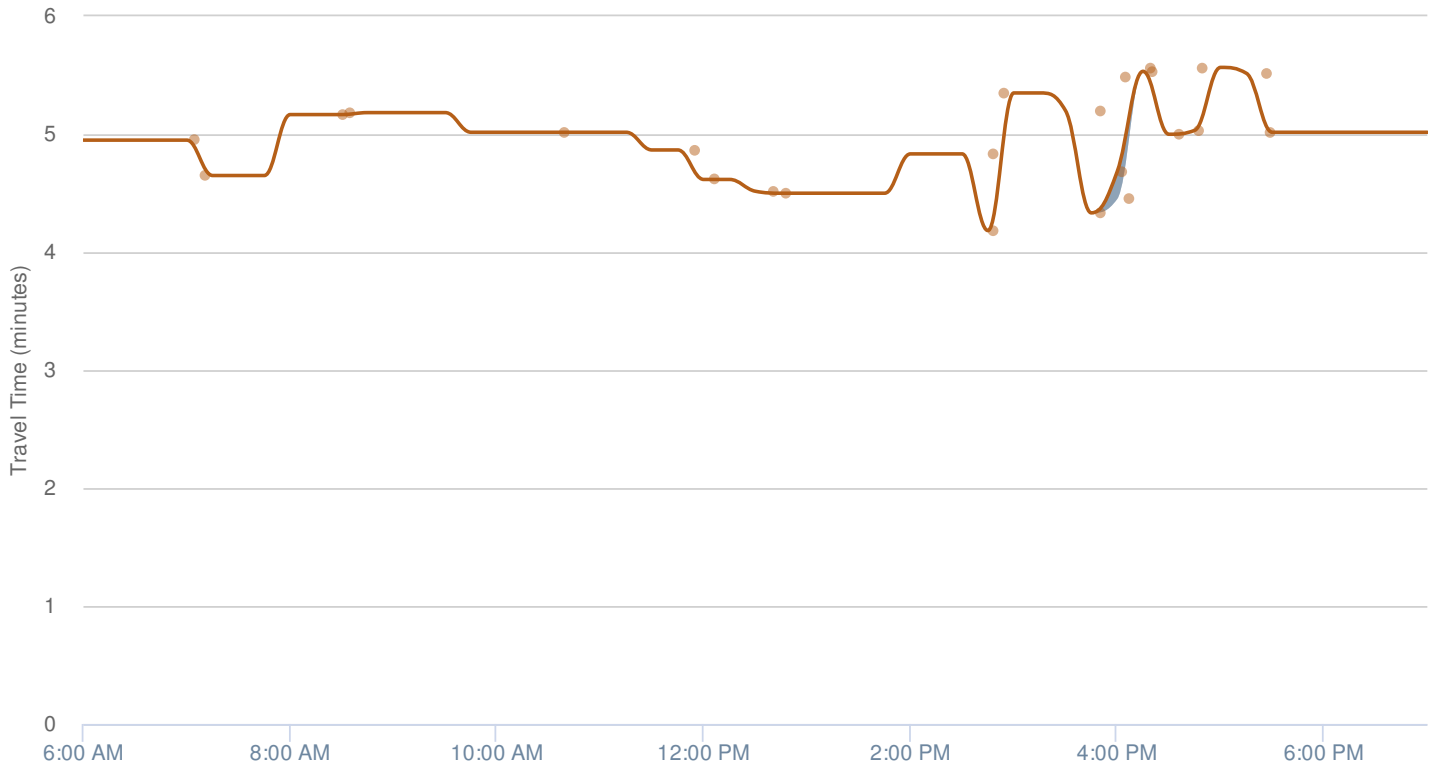
4. Pontiac Trail at Dhu Varren Rd to 375 Depot St, Ann Arbor, MI 48104, USA

1 to 6 | (42.316173, -83.734139) to (42.287266, -83.742706)

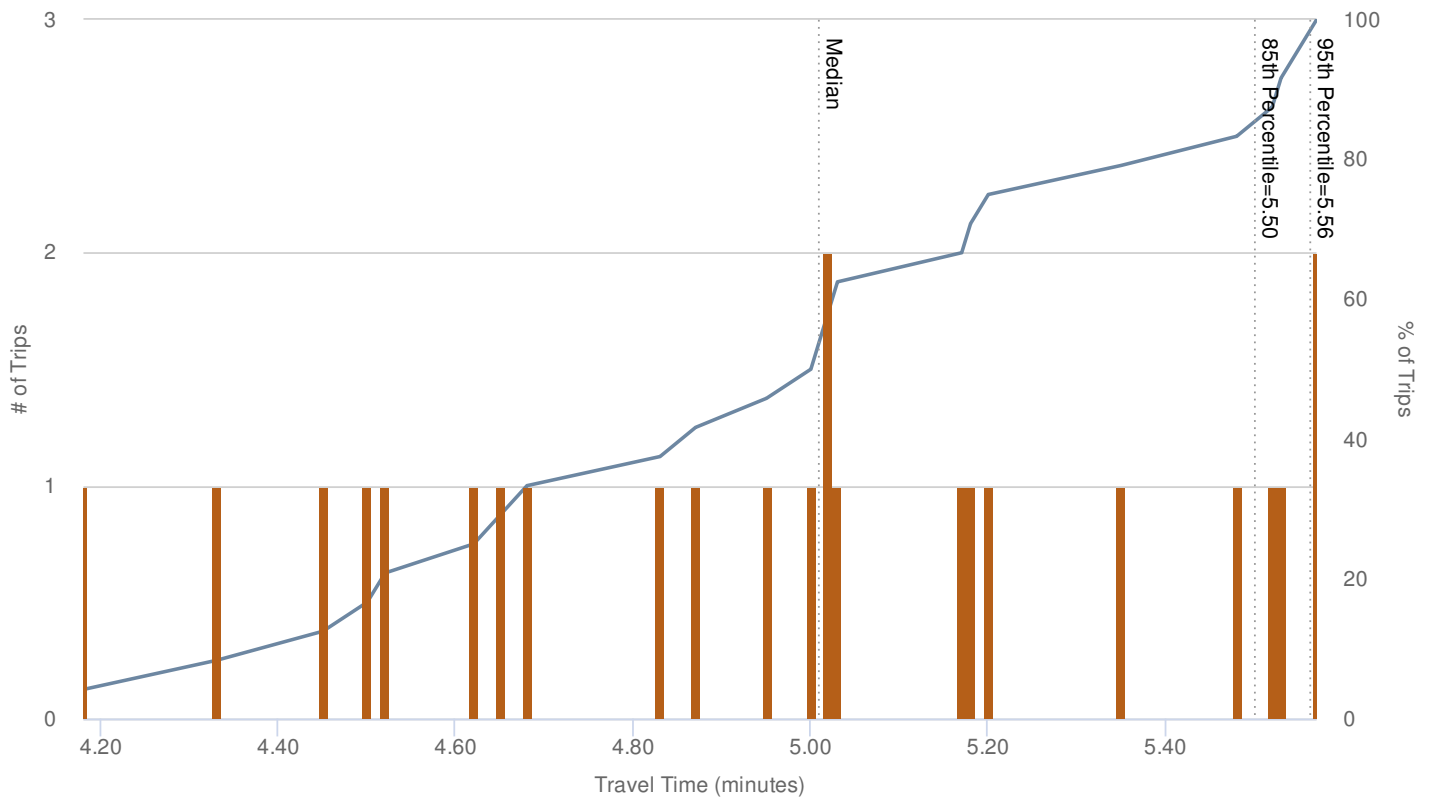


375 Depot St, Ann Arbor, MI 48104, USA to 4. Pontiac Trail at Dhu Varren Rd

6 to 1 | (42.287266, -83.742706) to (42.316173, -83.734139)



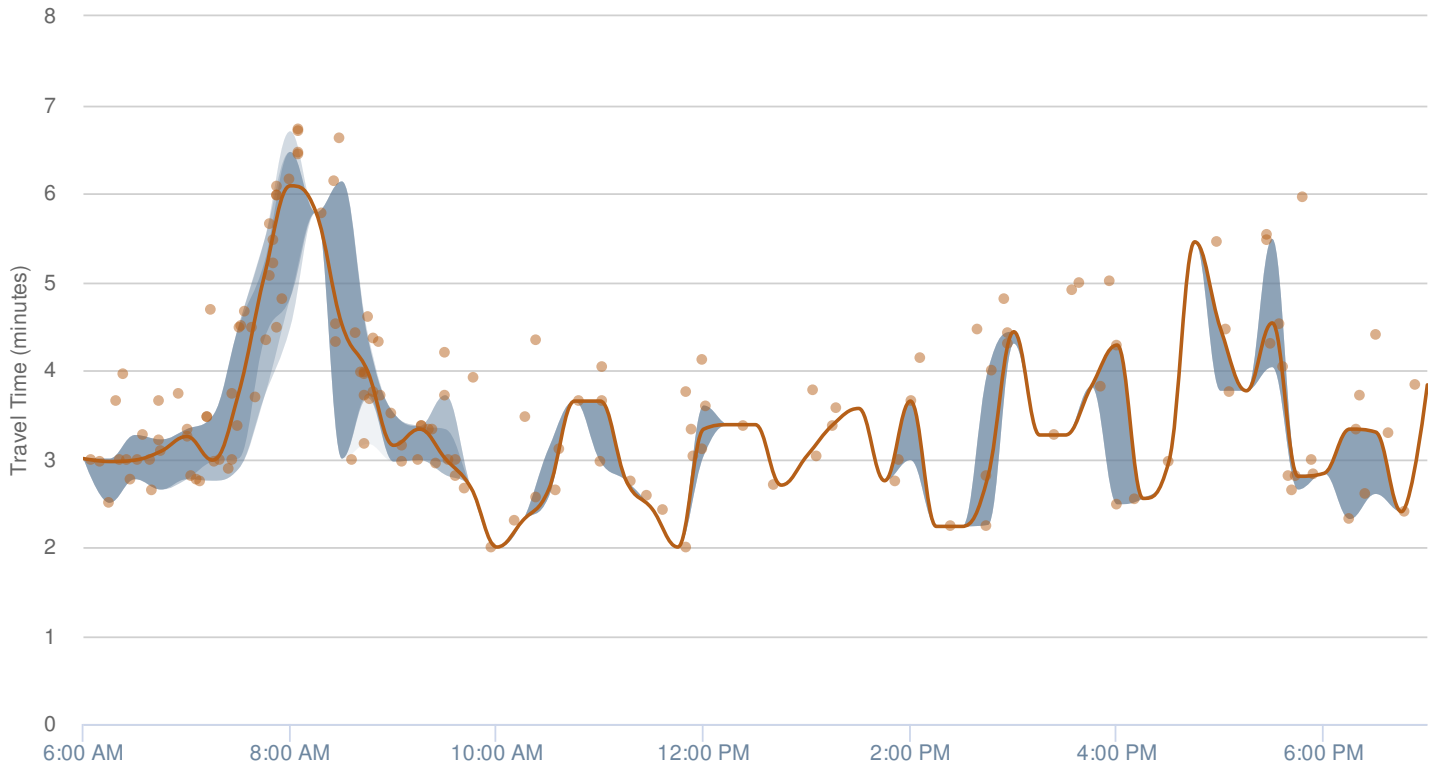
— Median
 ● Trips
 ● 5th - 95th Percentile
 ● 10th - 90th Percentile
● 15th - 85th Percentile
 ● 20th - 80th Percentile



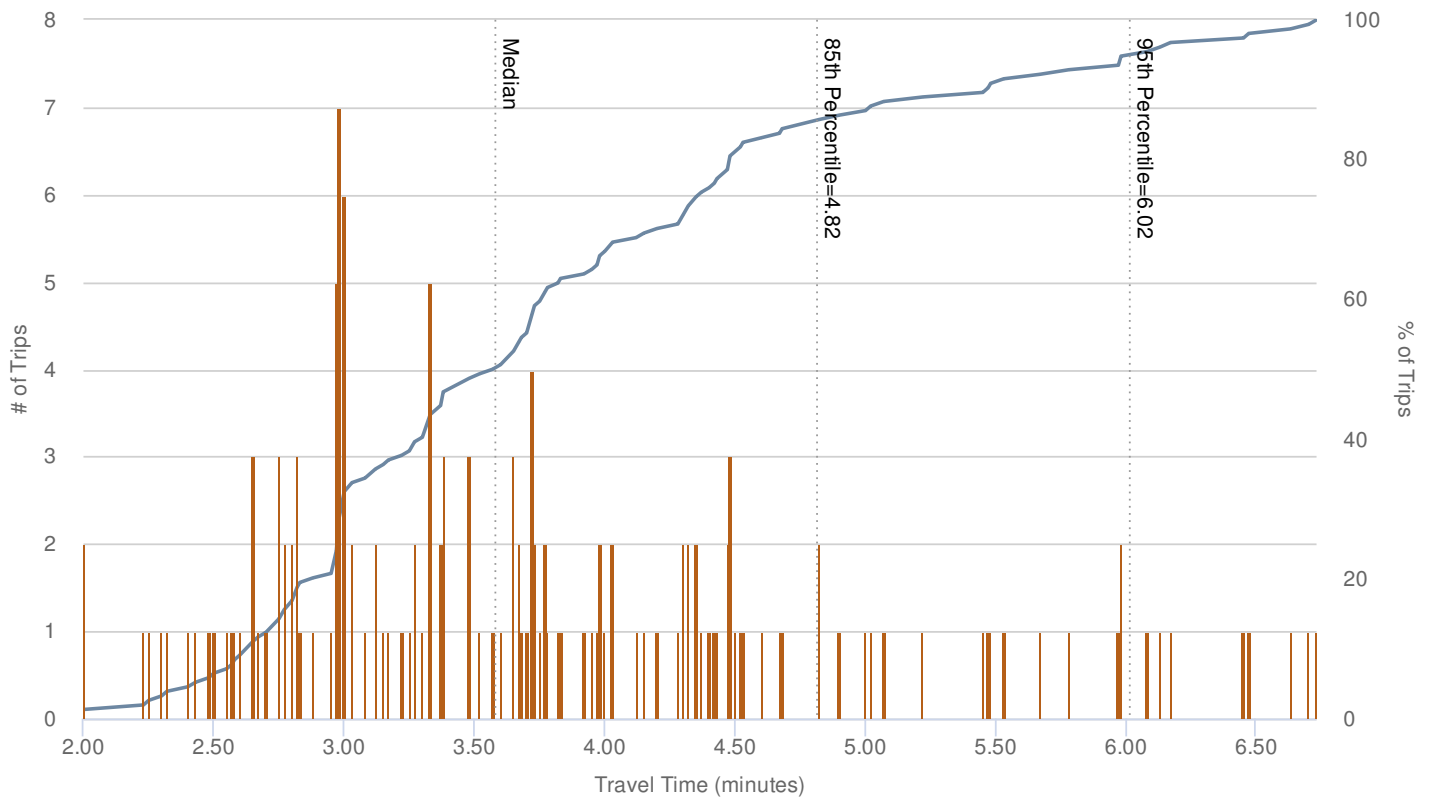
● # of Trips
 — Cumulative % of Trips

2. US-23 NB at Barton Dr to 12. Plymouth Rd at Barton Dr

2 to 3 | (42.303447, -83.744381) to (42.296304, -83.730543)



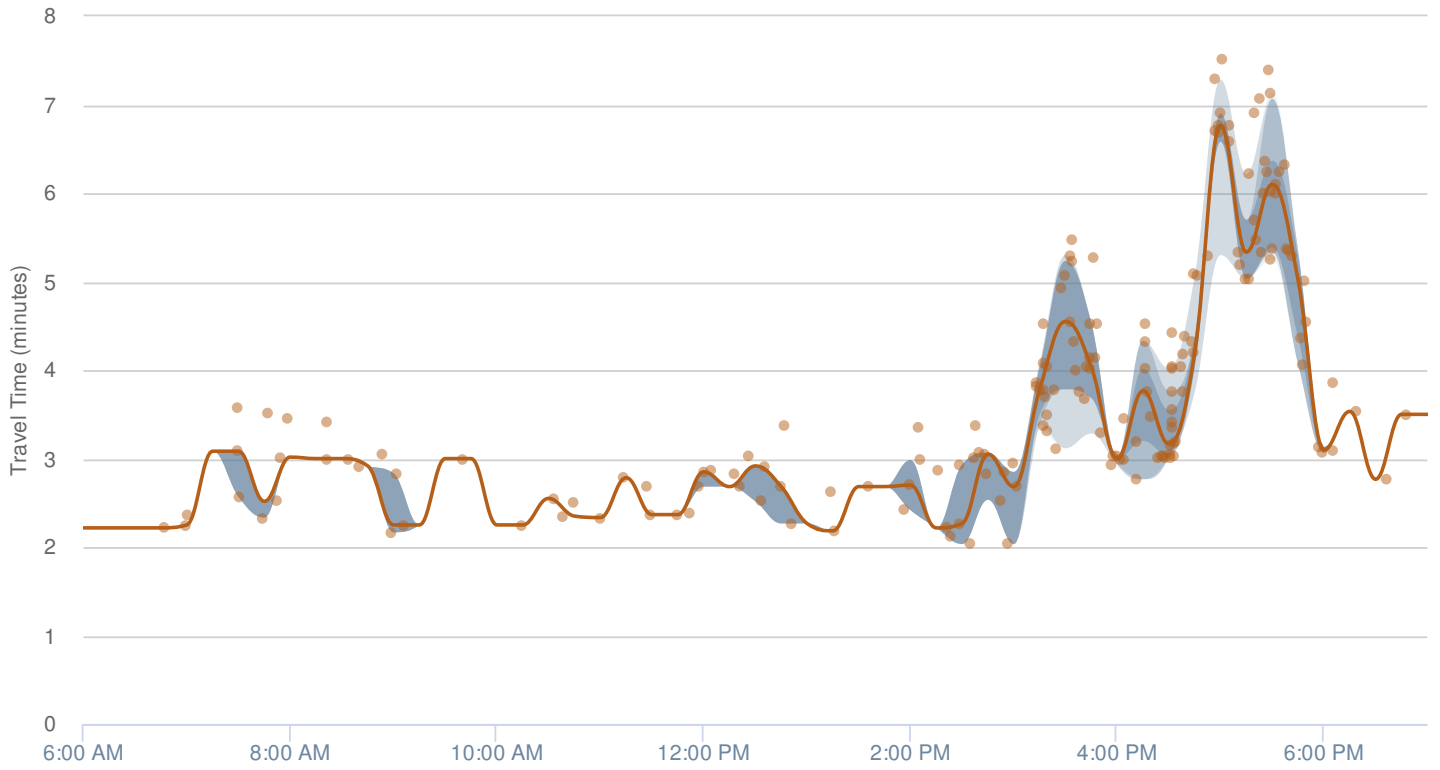
— Median ● Trips ● 5th - 95th Percentile ● 10th - 90th Percentile
● 15th - 85th Percentile ● 20th - 80th Percentile



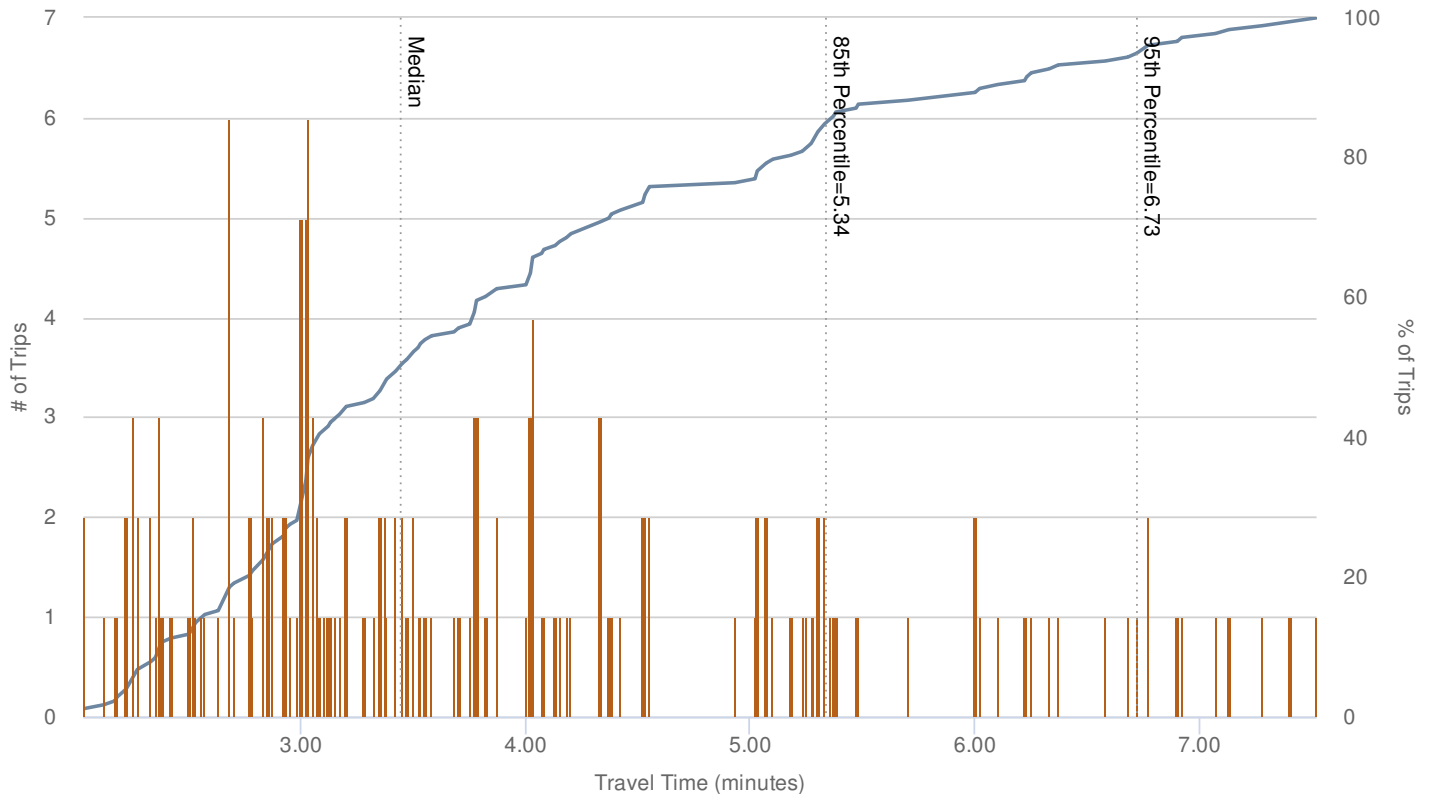
● # of Trips — Cumulative % of Trips

12. Plymouth Rd at Barton Dr to 2. US-23 NB at Barton Dr

3 to 2 | (42.296304, -83.730543) to (42.303447, -83.744381)



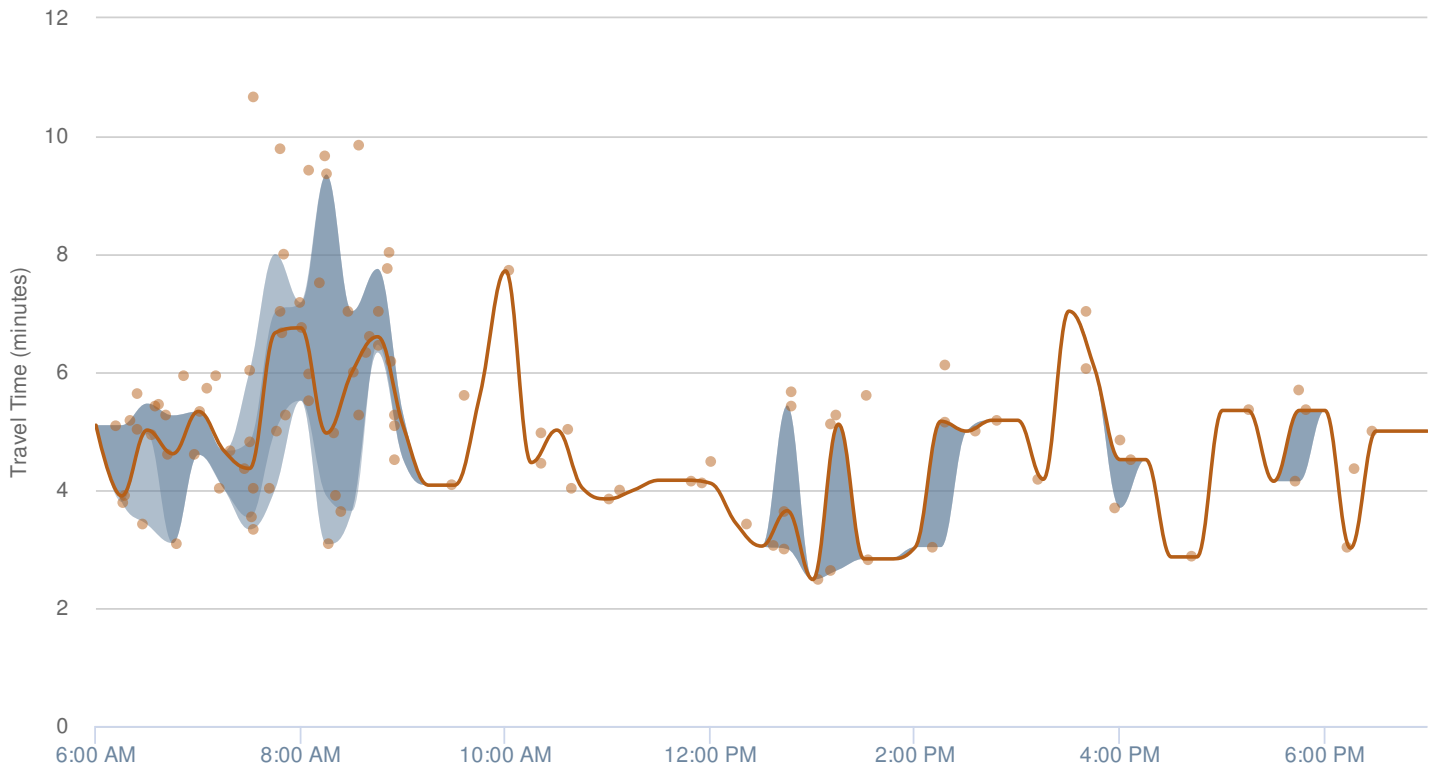
— Median
 ● Trips
 ● 5th - 95th Percentile
 ● 10th - 90th Percentile
● 15th - 85th Percentile
 ● 20th - 80th Percentile



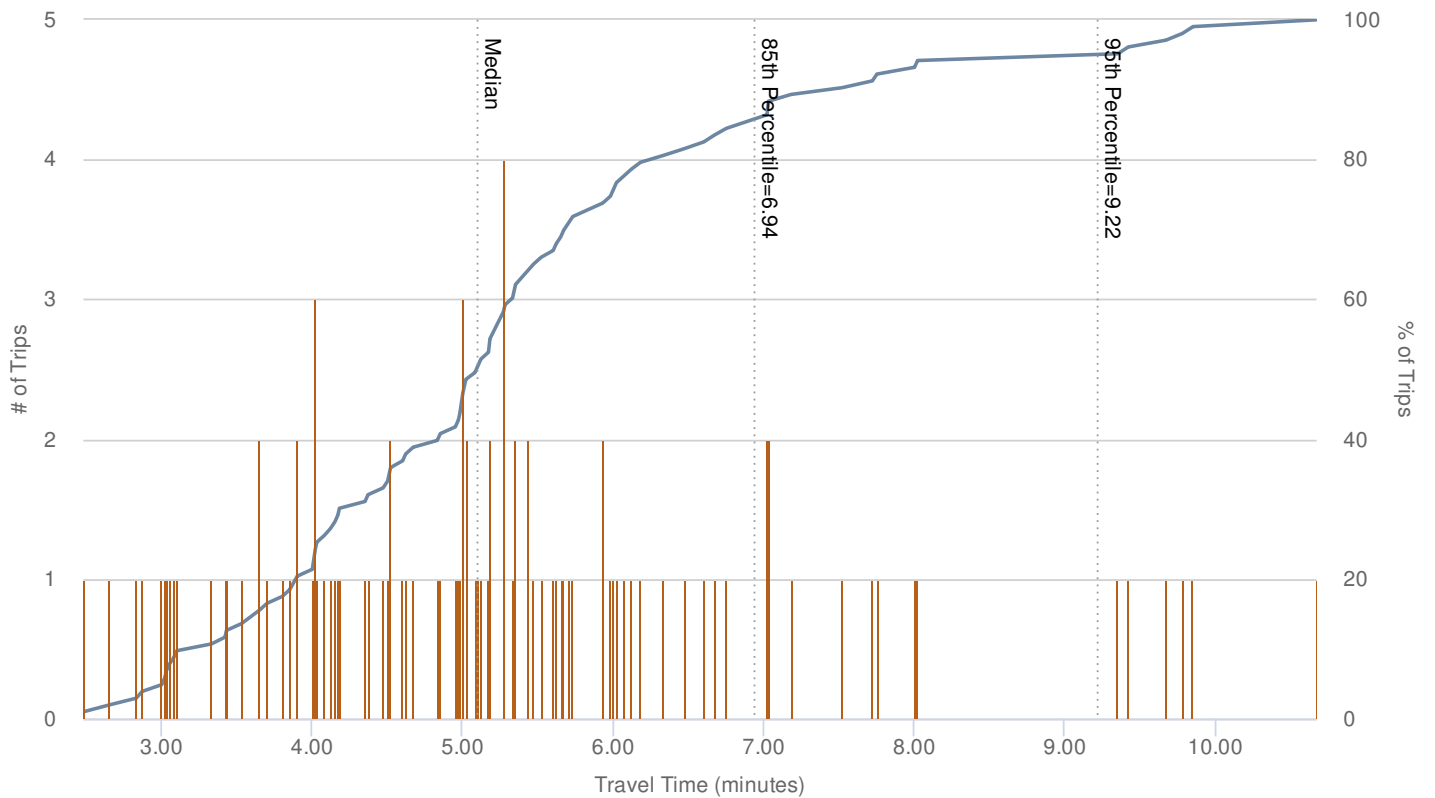
● # of Trips
 — Cumulative % of Trips

2. US-23 NB at Barton Dr to 10. Moore St at Traver St

2 to 4 | (42.303447, -83.744381) to (42.290075, -83.738676)



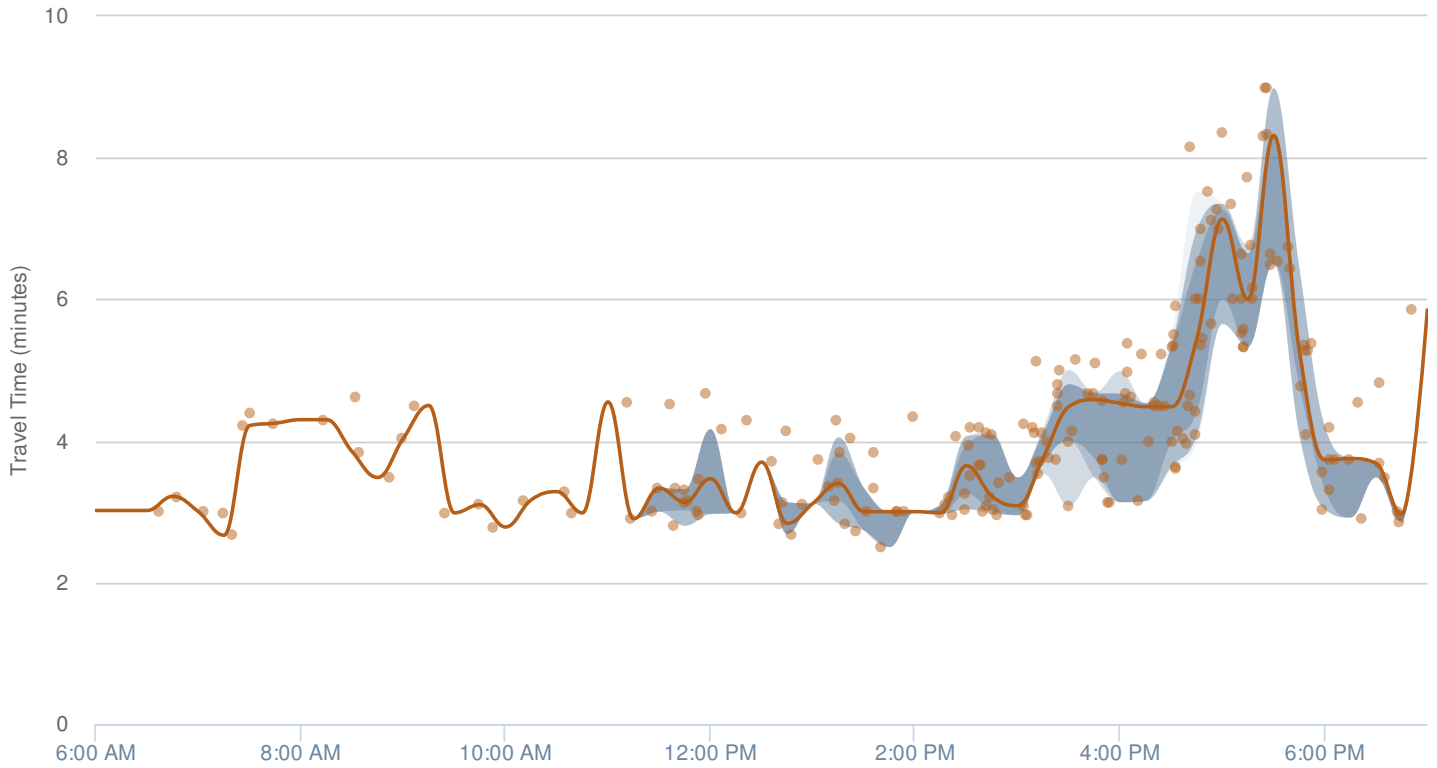
— Median ● Trips ● 5th - 95th Percentile ● 10th - 90th Percentile
● 15th - 85th Percentile ● 20th - 80th Percentile



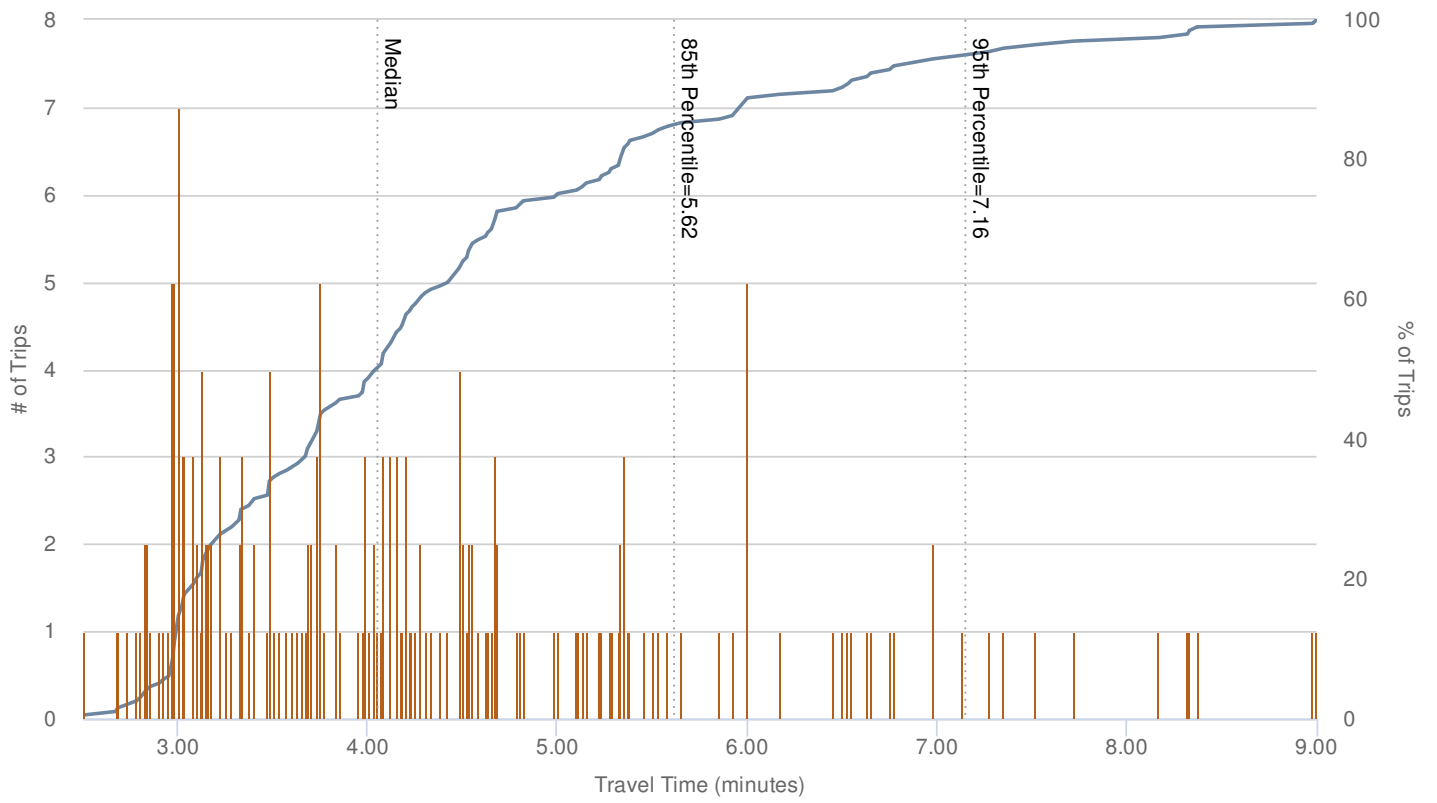
● # of Trips — Cumulative % of Trips

10. Moore St at Traver St to 2. US-23 NB at Barton Dr

4 to 2 | (42.290075, -83.738676) to (42.303447, -83.744381)



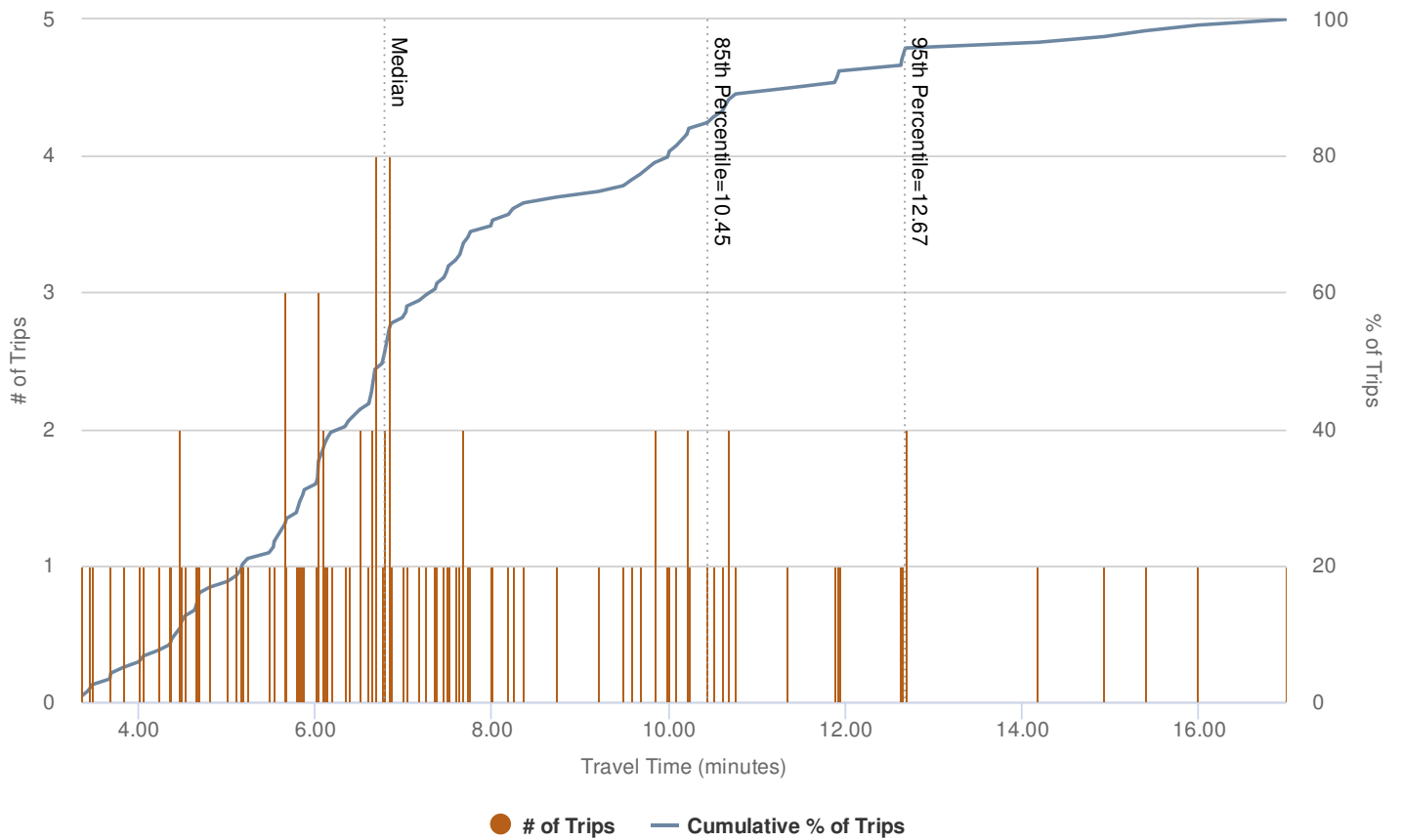
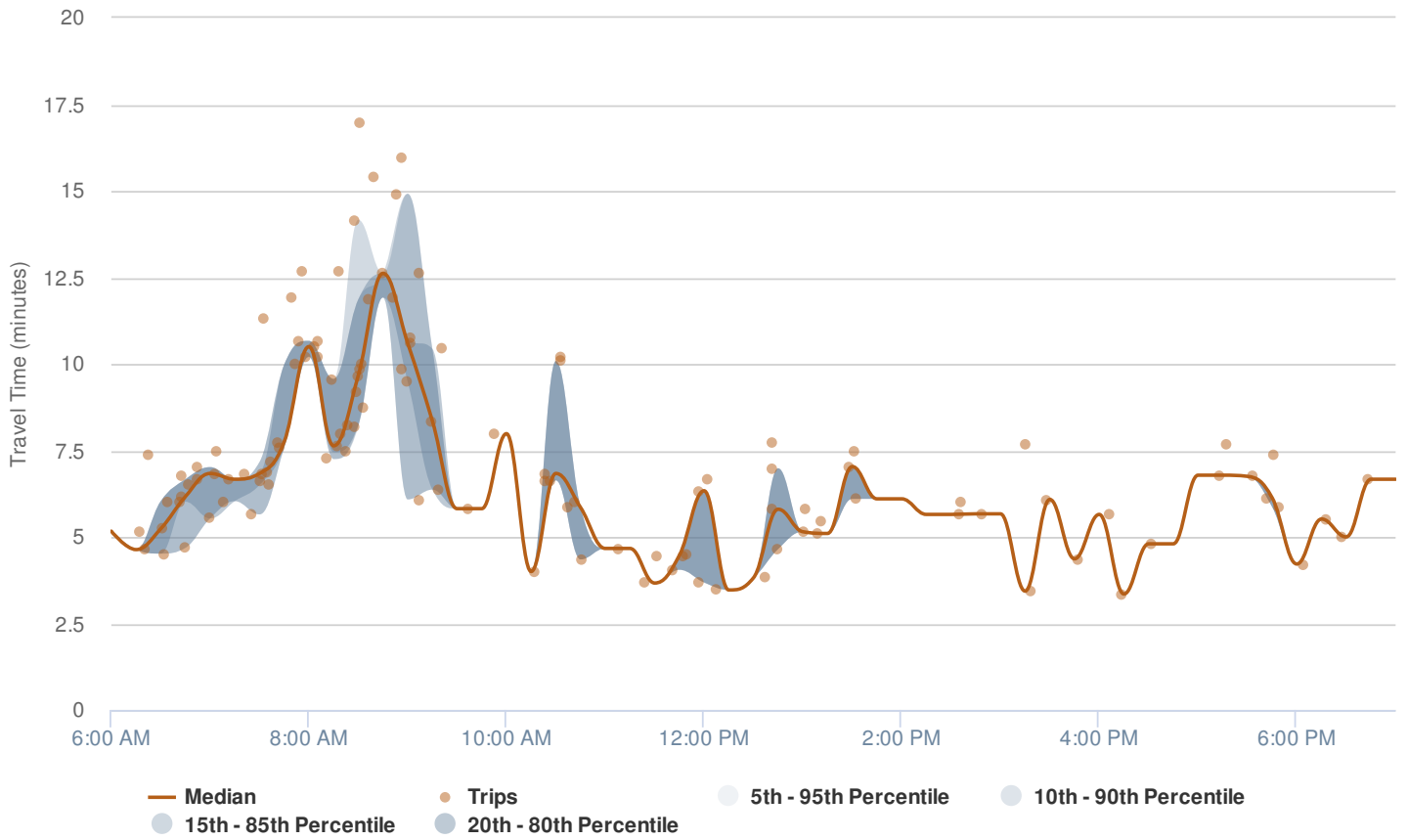
— Median
 ● Trips
 ■ 5th - 95th Percentile
 ■ 10th - 90th Percentile
■ 15th - 85th Percentile
 ■ 20th - 80th Percentile



● # of Trips
 — Cumulative % of Trips

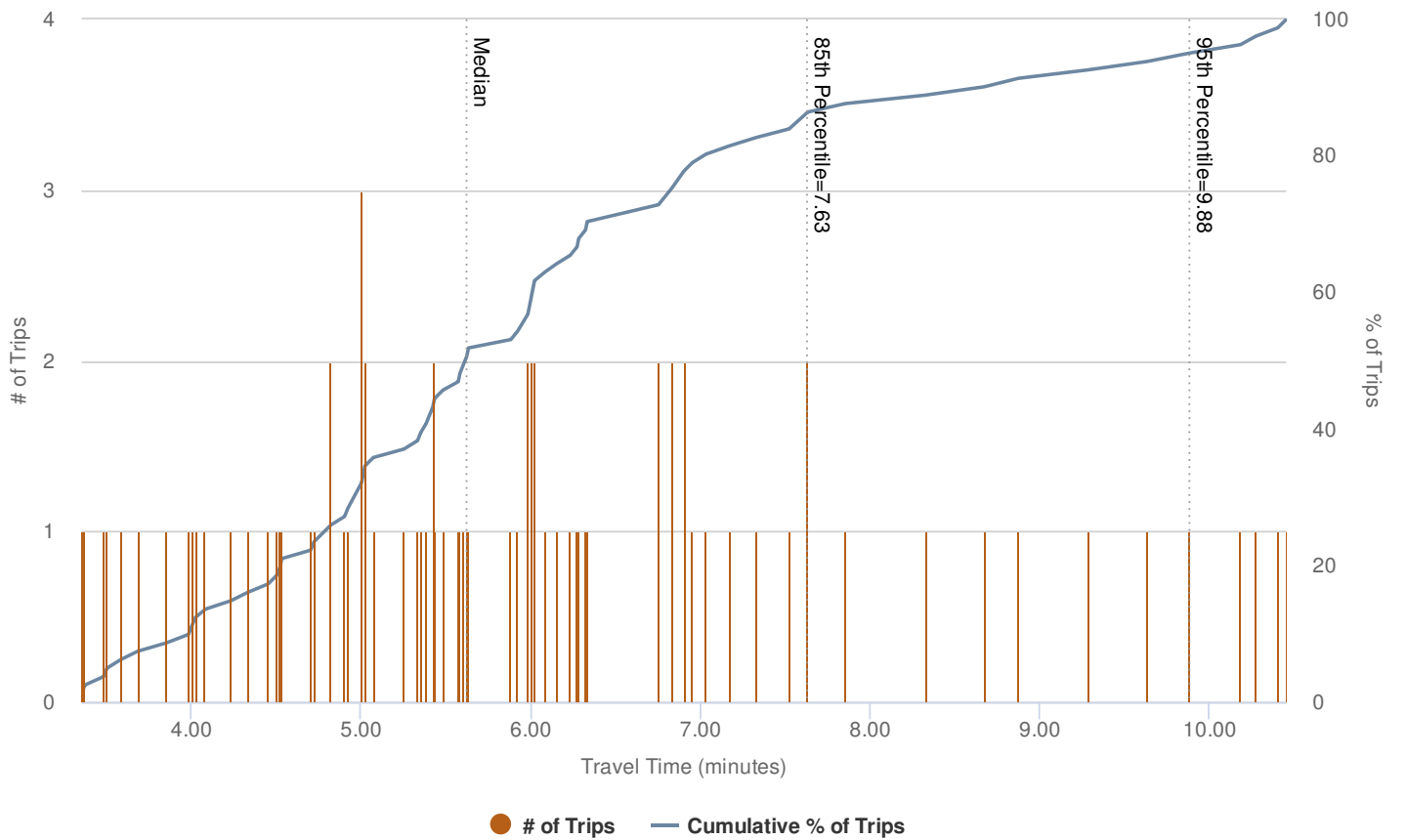
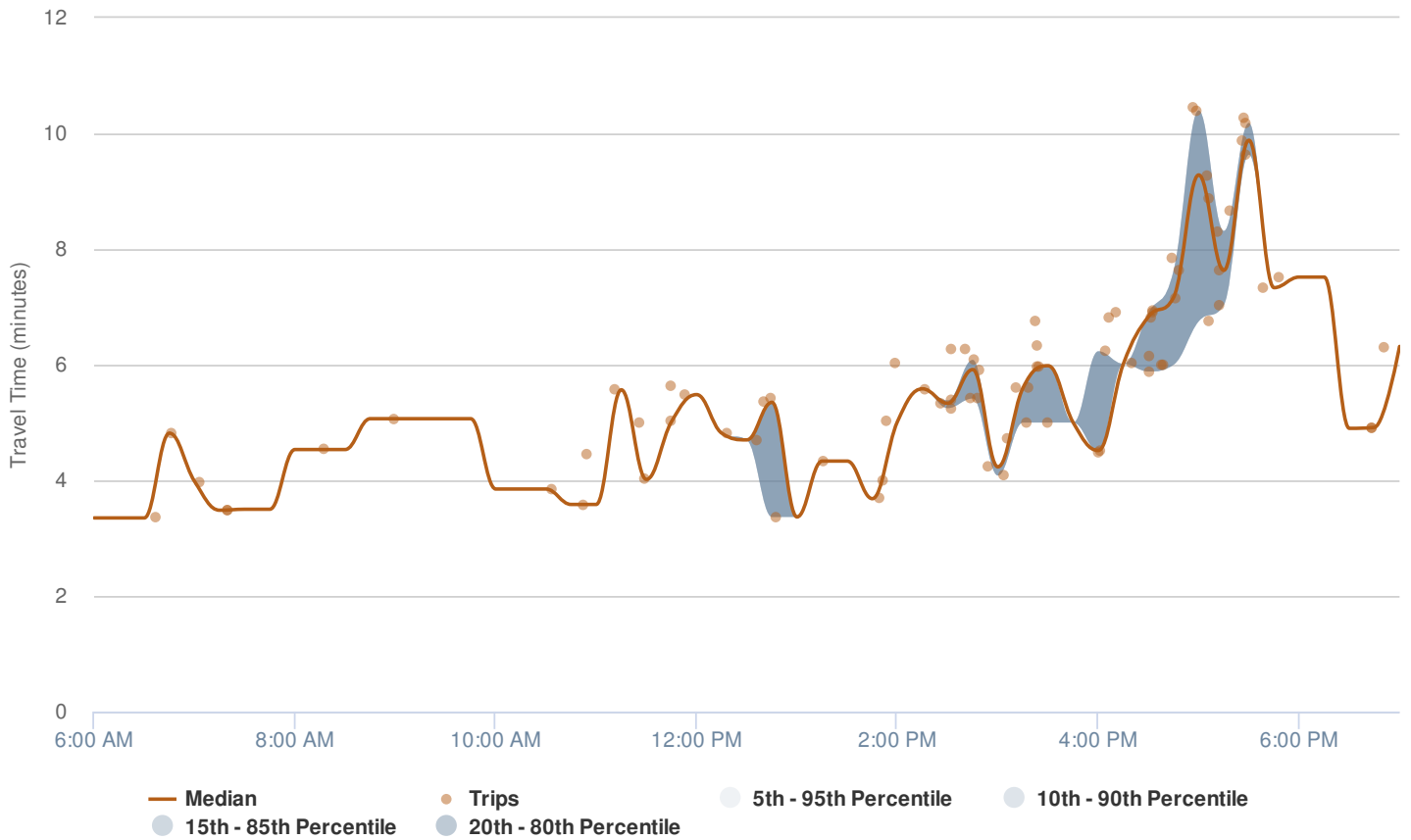
2. US-23 NB at Barton Dr to 25. Maiden Ln at Island Dr

2 to 5 | (42.303447, -83.744381) to (42.287652, -83.73335)



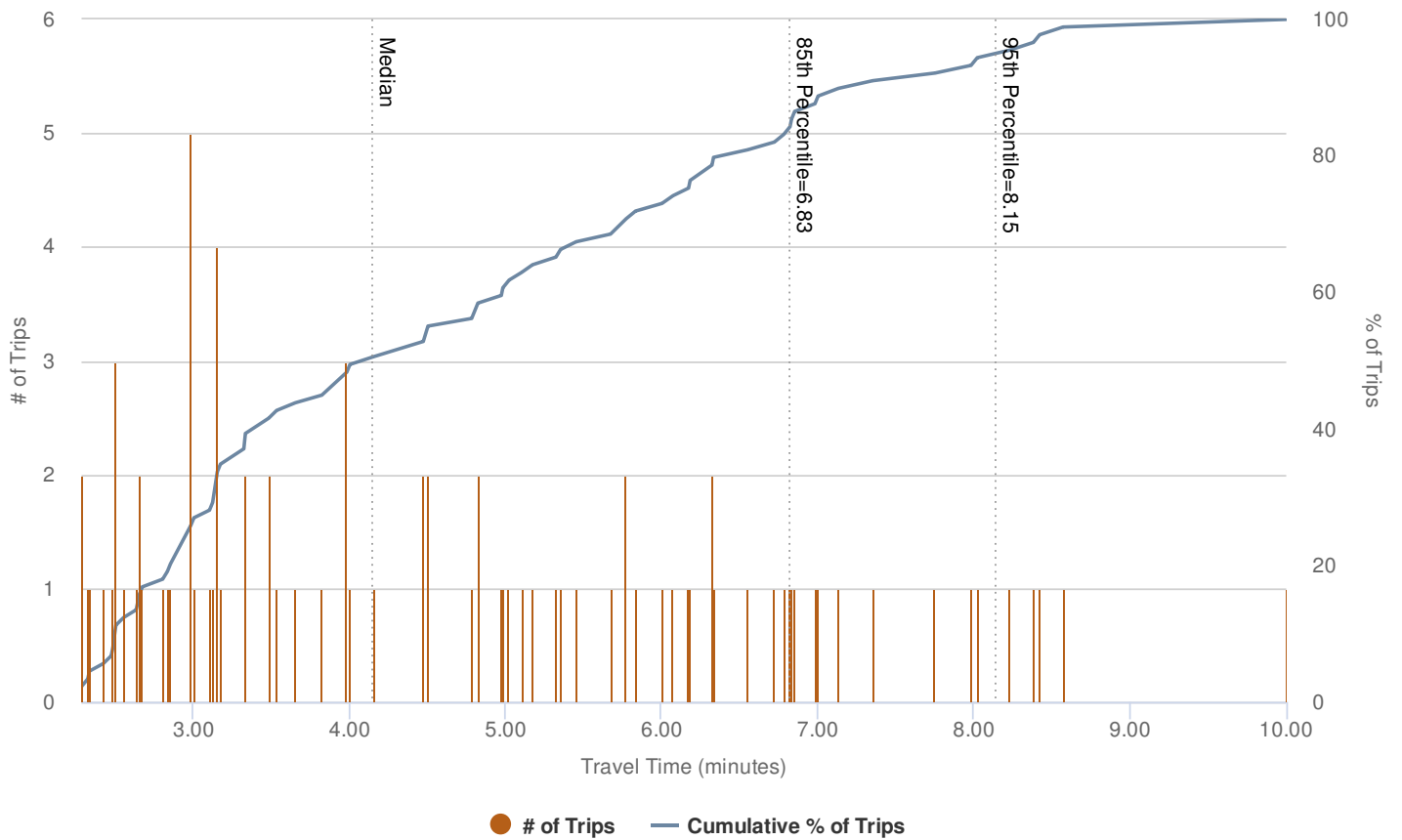
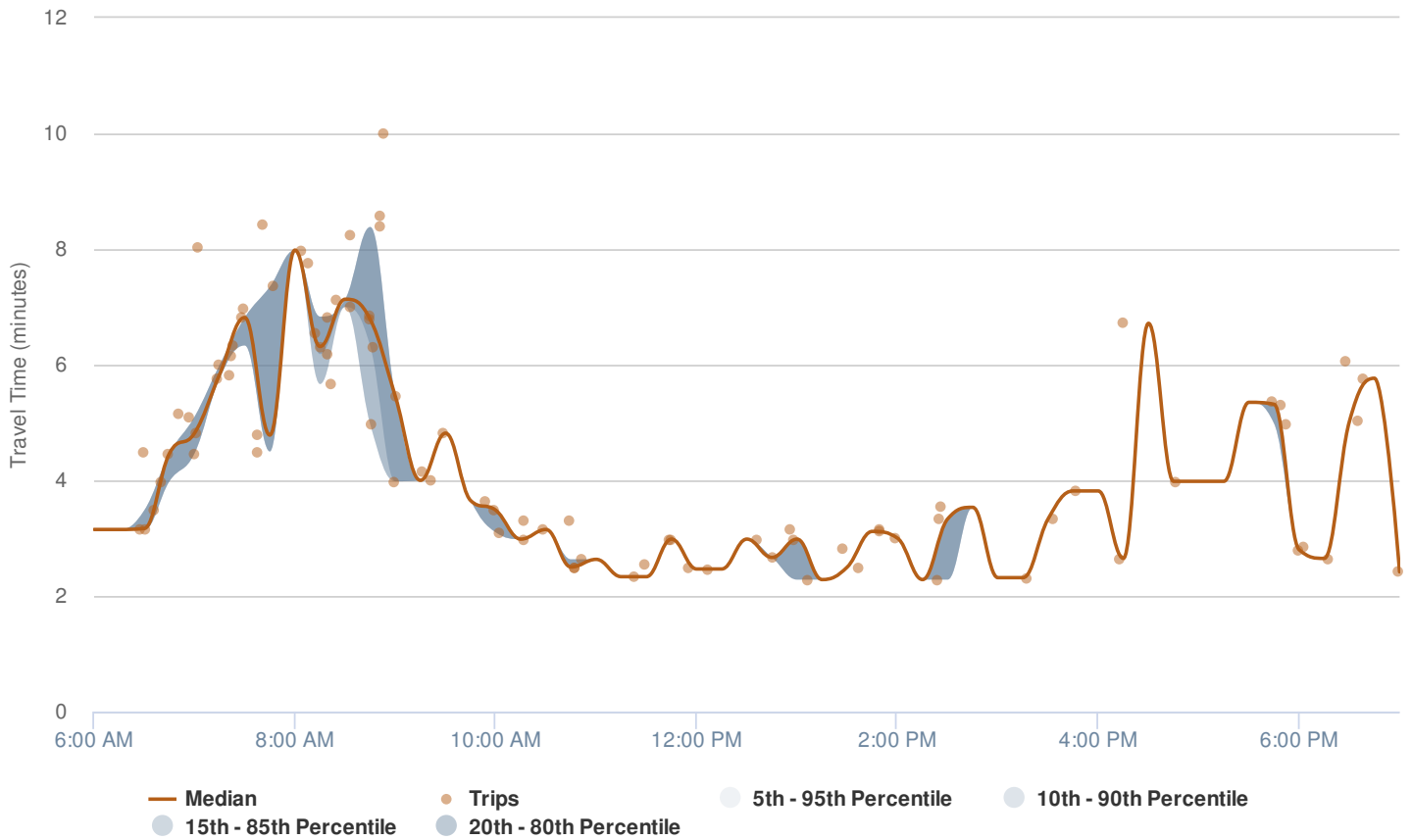
25. Maiden Ln at Island Dr to 2. US-23 NB at Barton Dr

5 to 2 | (42.287652, -83.73335) to (42.303447, -83.744381)



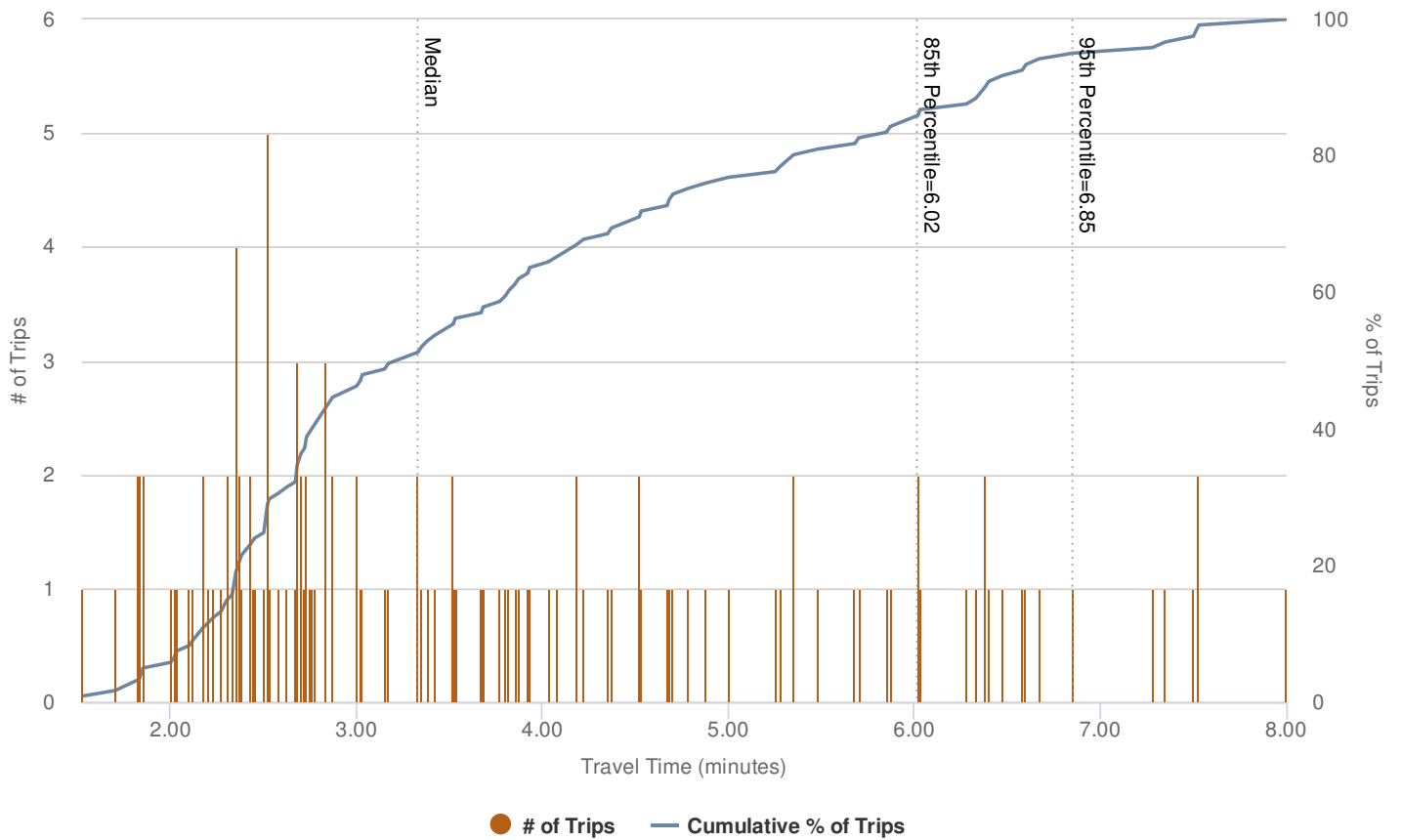
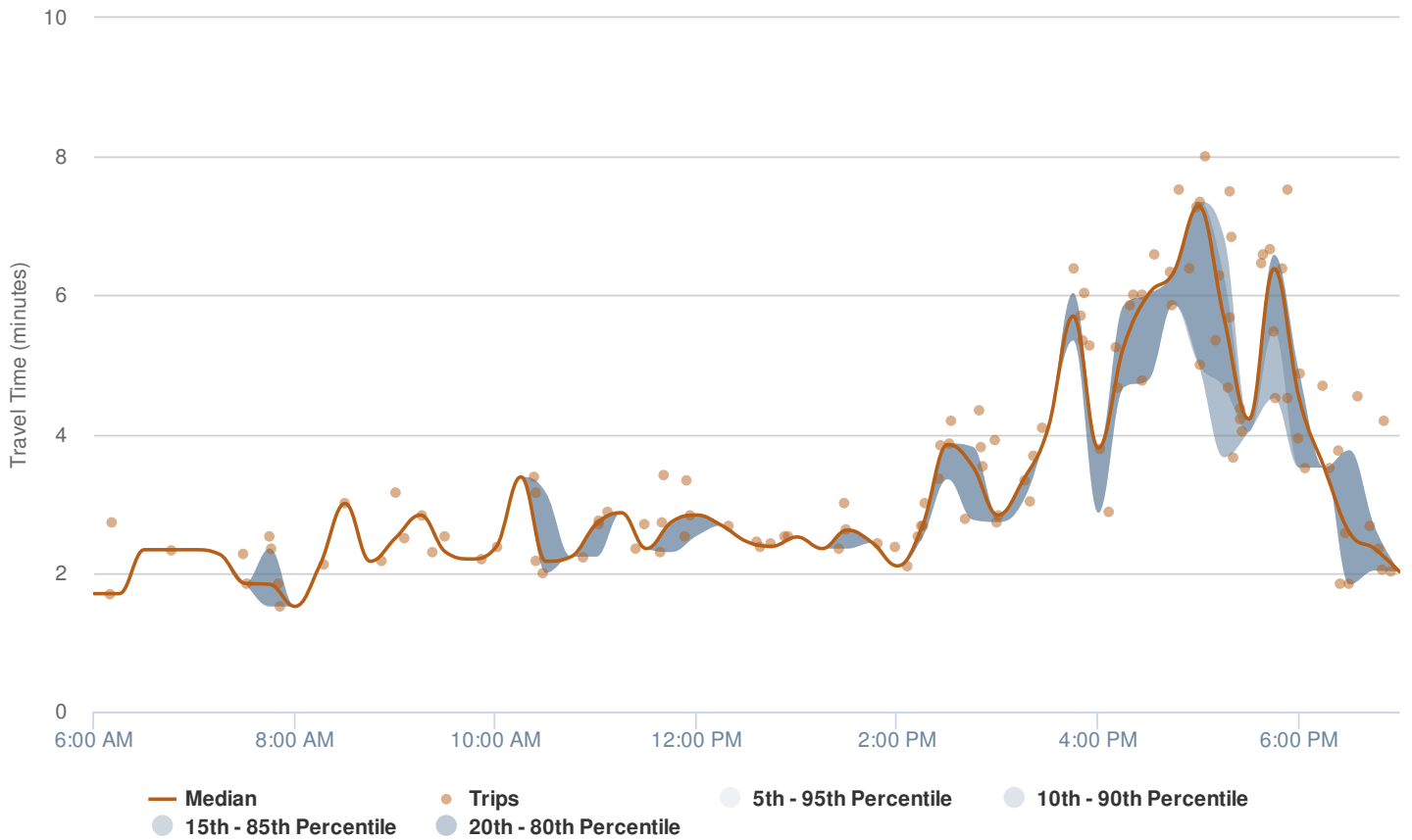
2. US-23 NB at Barton Dr to 375 Depot St, Ann Arbor, MI 48104, USA

2 to 6 | (42.303447, -83.744381) to (42.287266, -83.742706)



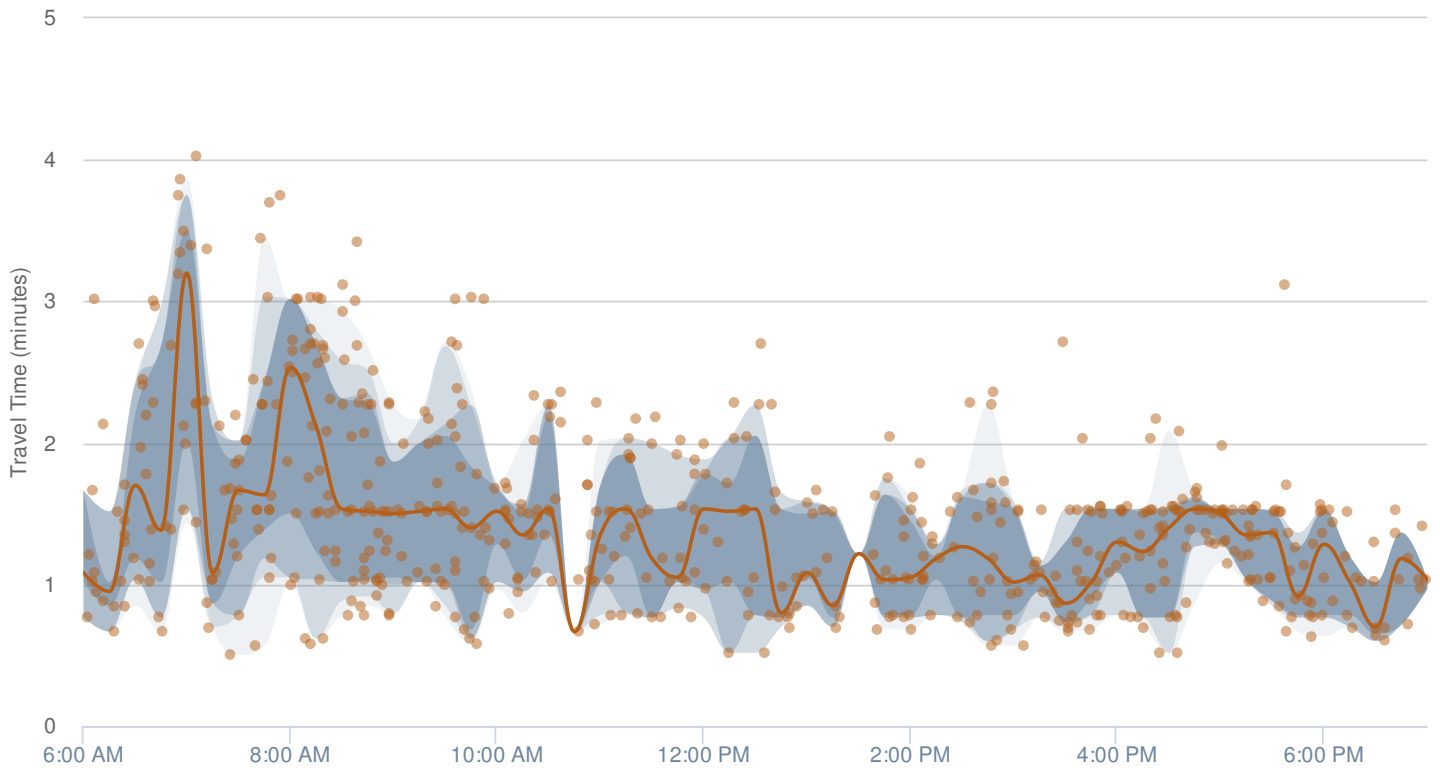
375 Depot St, Ann Arbor, MI 48104, USA to 2. US-23 NB at Barton Dr

6 to 2 | (42.287266, -83.742706) to (42.303447, -83.744381)

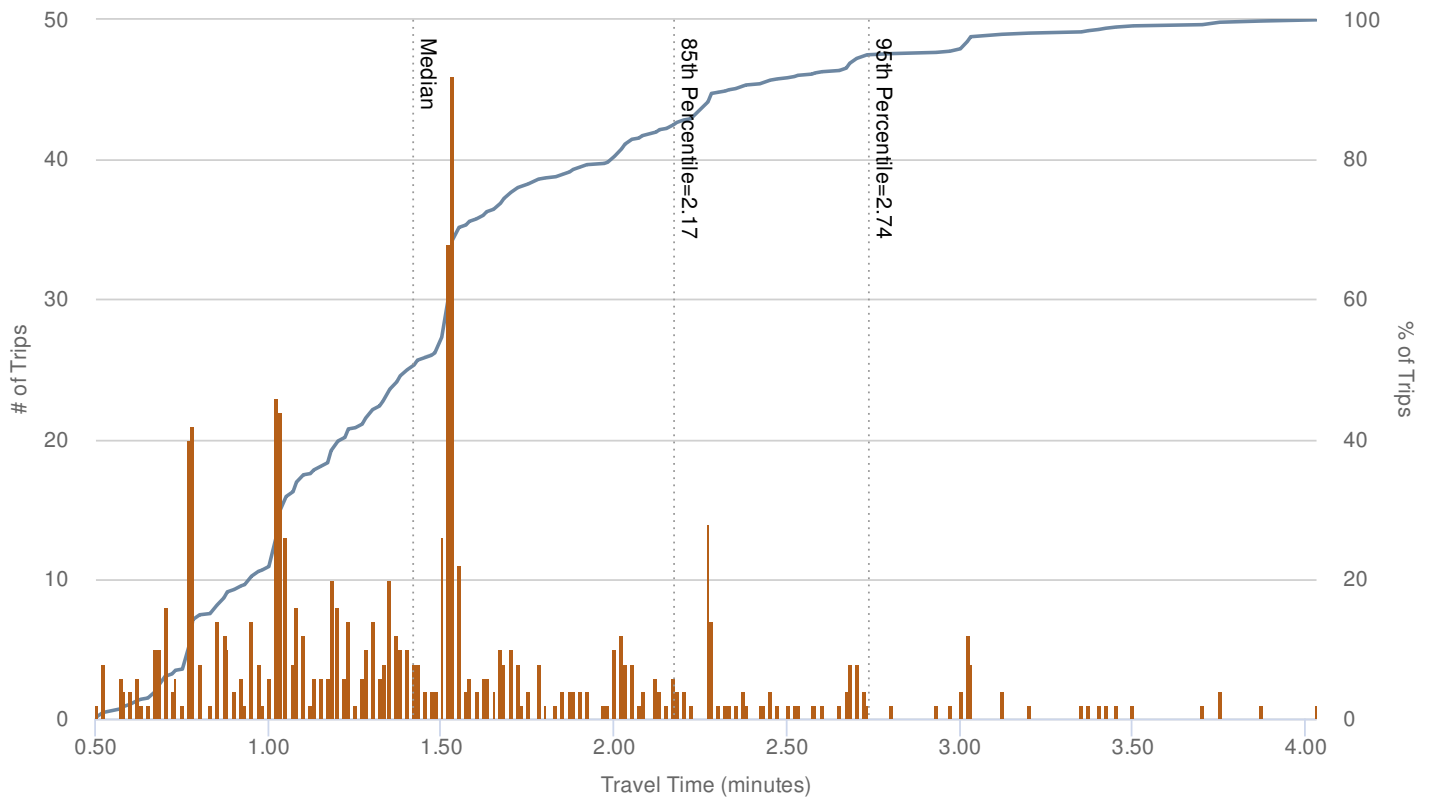


12. Plymouth Rd at Barton Dr to 10. Moore St at Traver St

3 to 4 | (42.296304, -83.730543) to (42.290075, -83.738676)



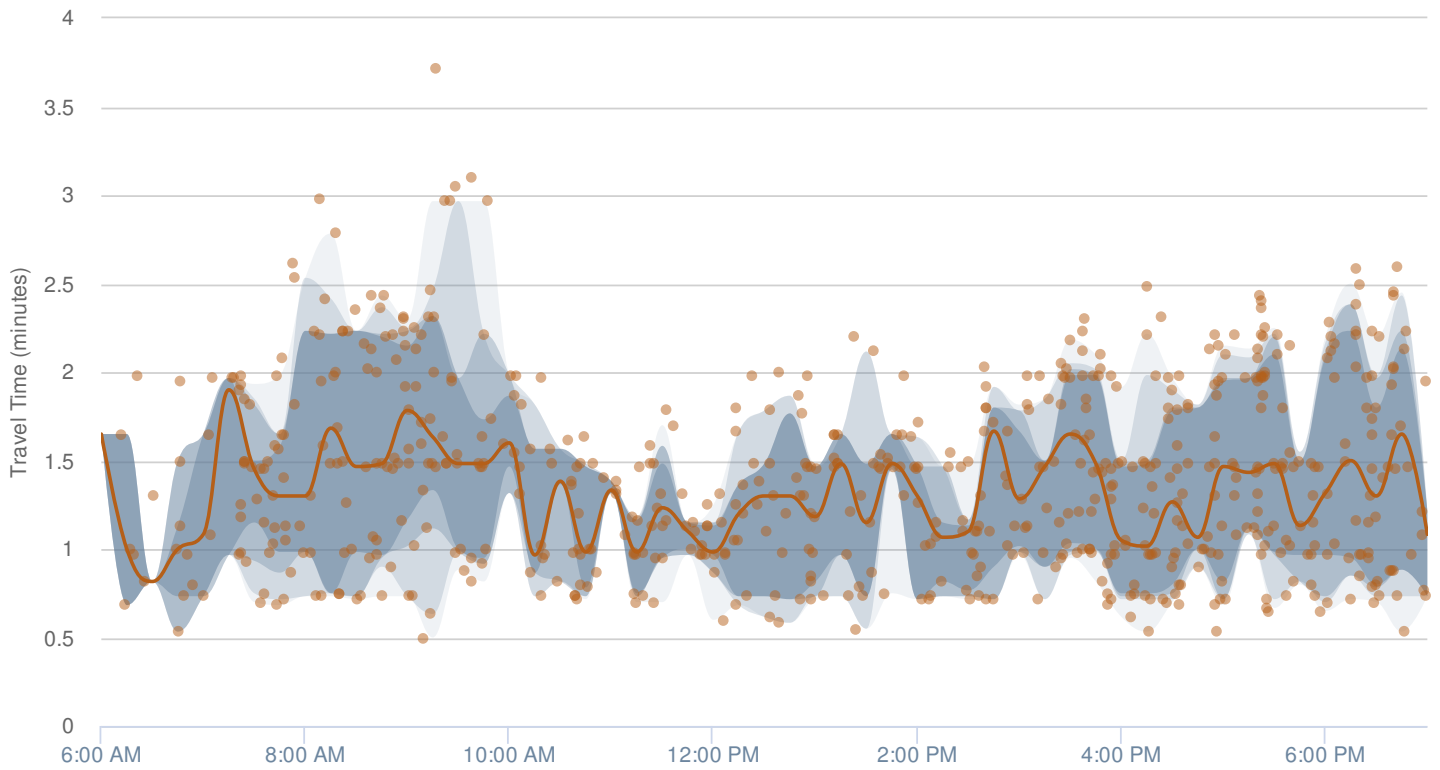
— Median ● Trips ● 5th - 95th Percentile ● 10th - 90th Percentile
● 15th - 85th Percentile ● 20th - 80th Percentile



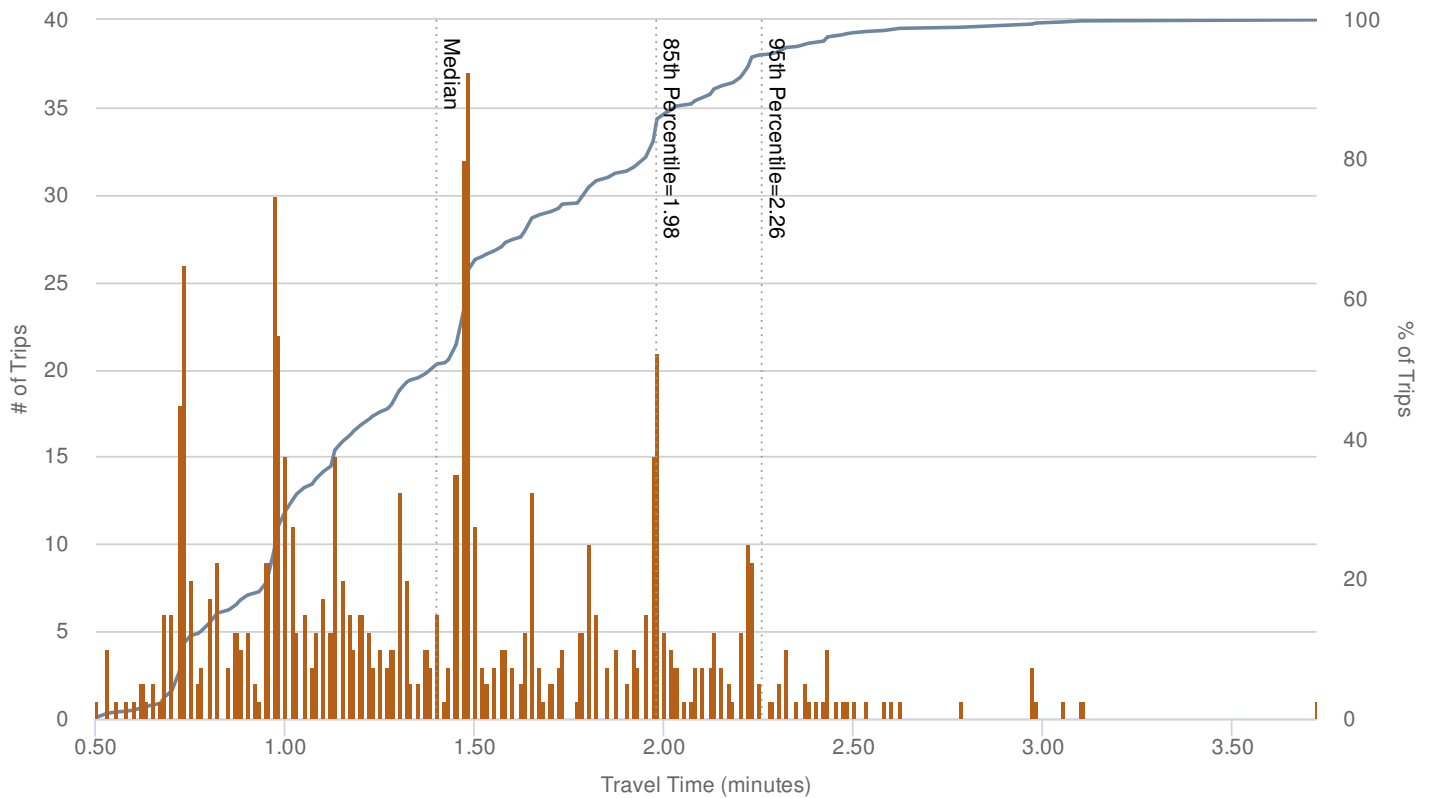
● # of Trips — Cumulative % of Trips

10. Moore St at Traver St to 12. Plymouth Rd at Barton Dr

4 to 3 | (42.290075, -83.738676) to (42.296304, -83.730543)



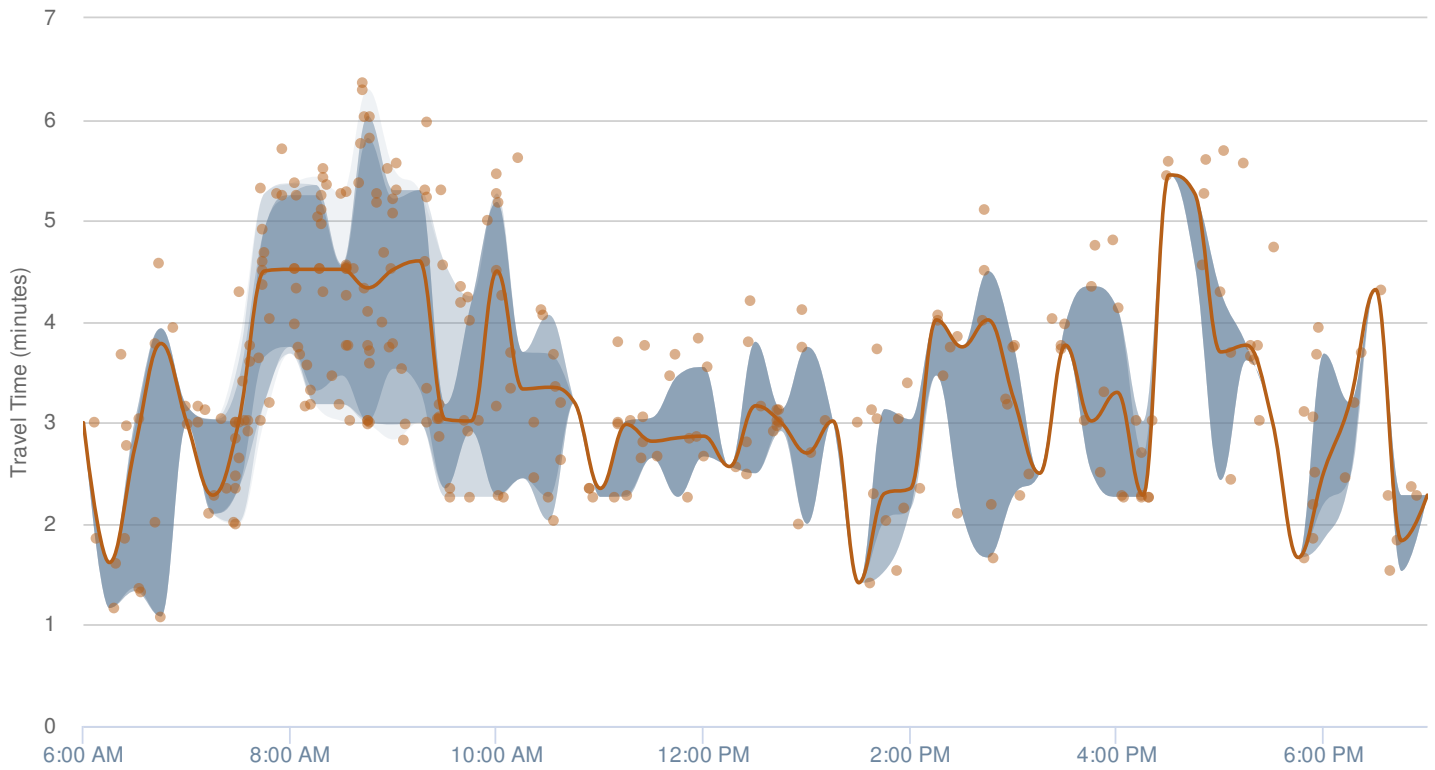
— Median ● Trips ● 5th - 95th Percentile ● 10th - 90th Percentile
● 15th - 85th Percentile ● 20th - 80th Percentile



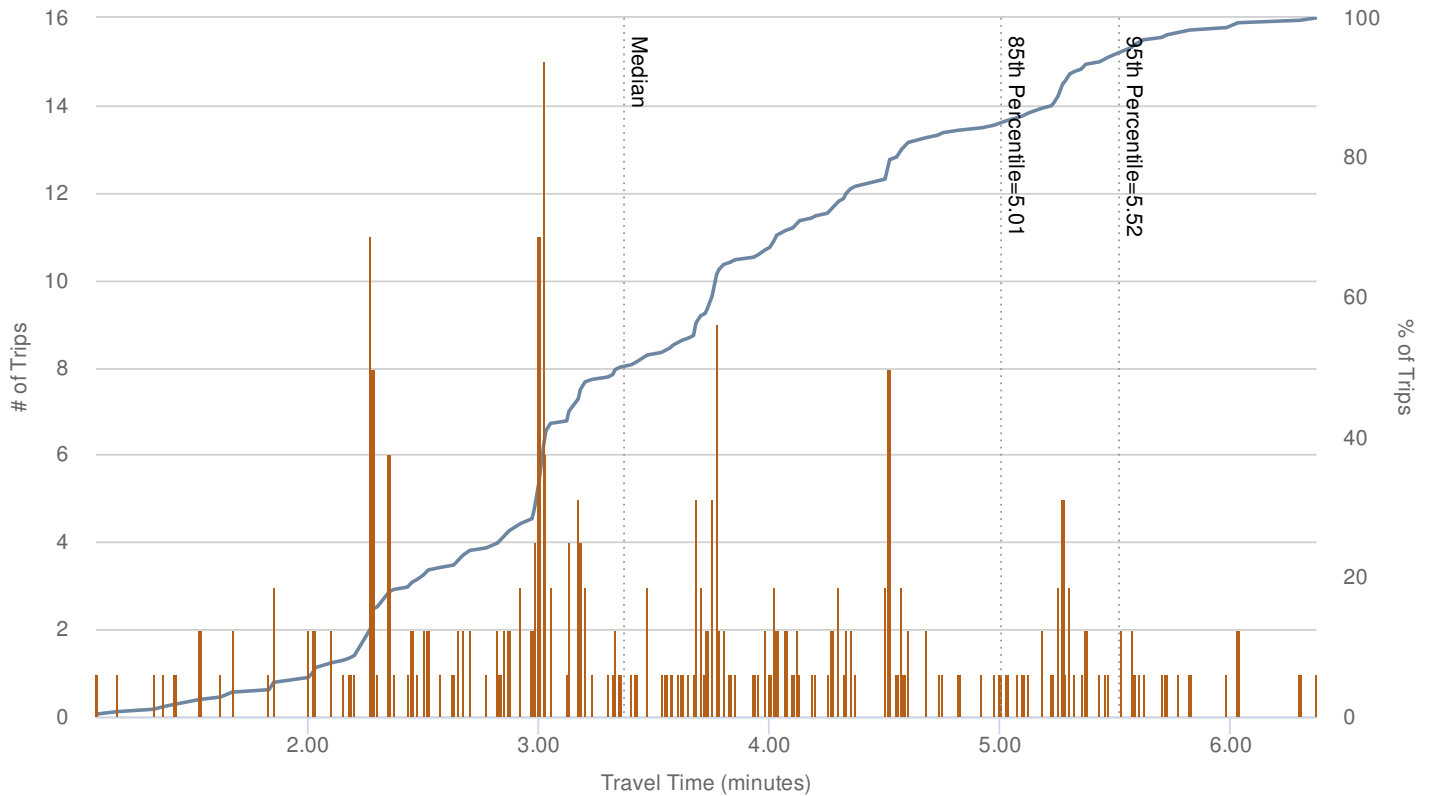
● # of Trips — Cumulative % of Trips

12. Plymouth Rd at Barton Dr to 25. Maiden Ln at Island Dr

3 to 5 | (42.296304, -83.730543) to (42.287652, -83.73335)



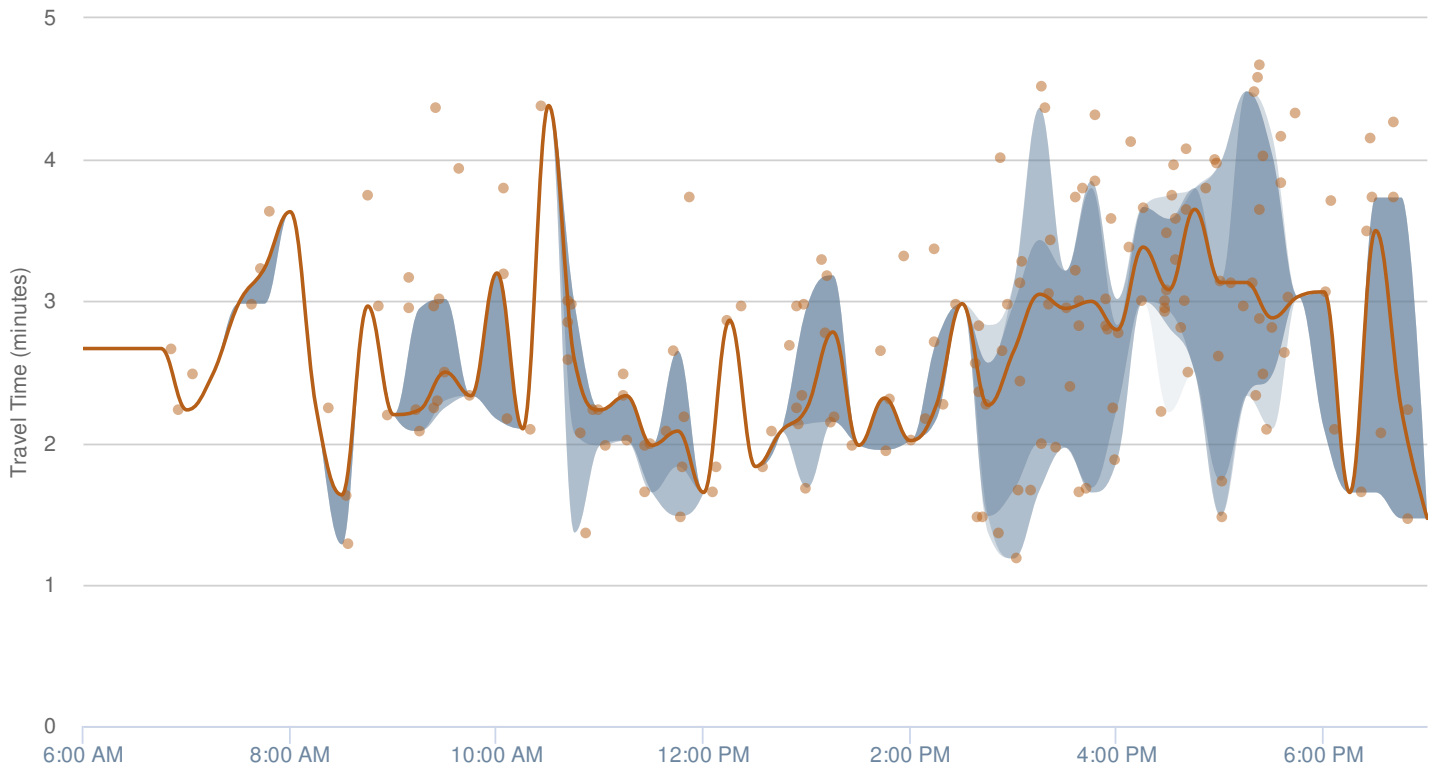
— Median ● Trips ● 5th - 95th Percentile ● 10th - 90th Percentile
● 15th - 85th Percentile ● 20th - 80th Percentile



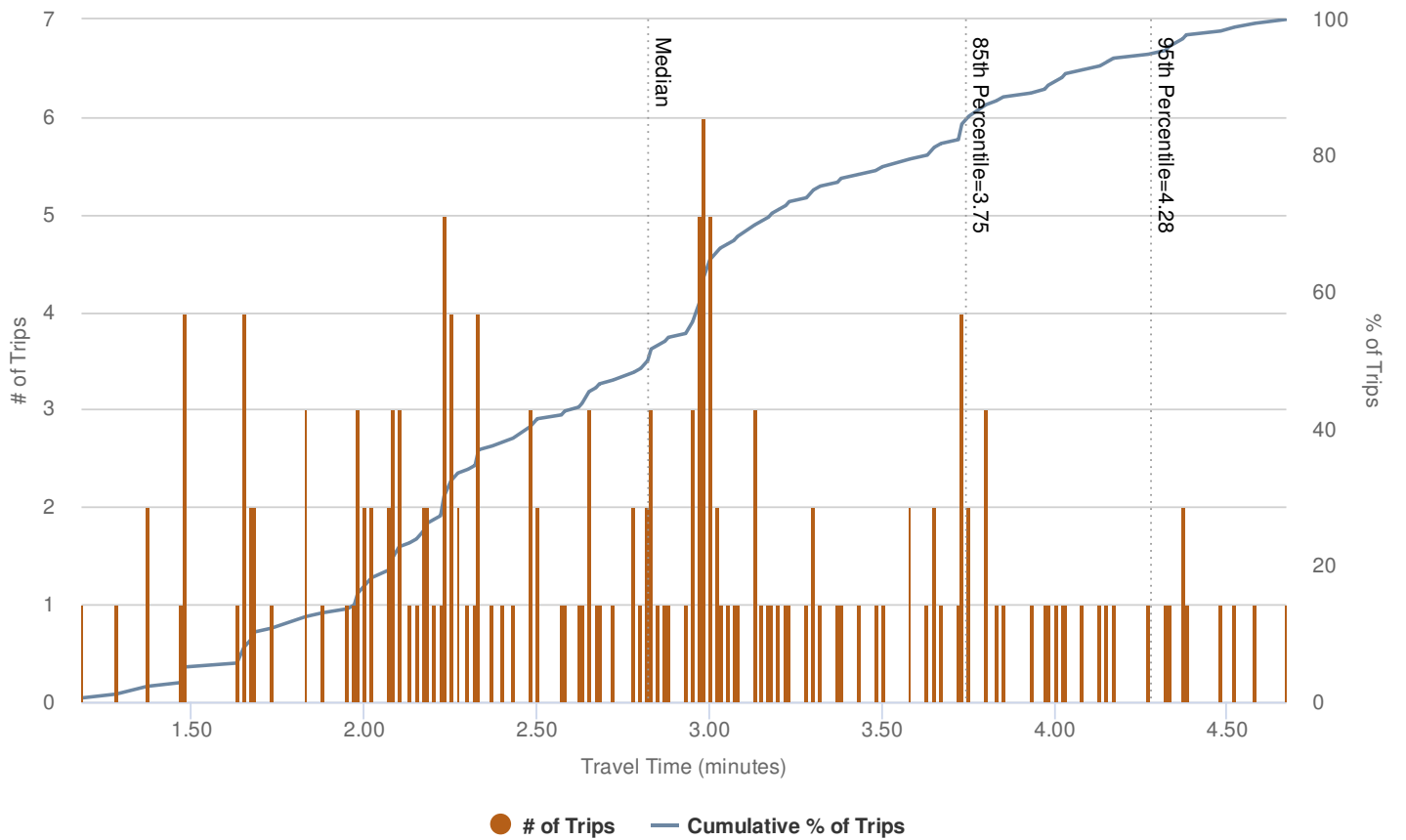
● # of Trips — Cumulative % of Trips

25. Maiden Ln at Island Dr to 12. Plymouth Rd at Barton Dr

5 to 3 | (42.287652, -83.73335) to (42.296304, -83.730543)



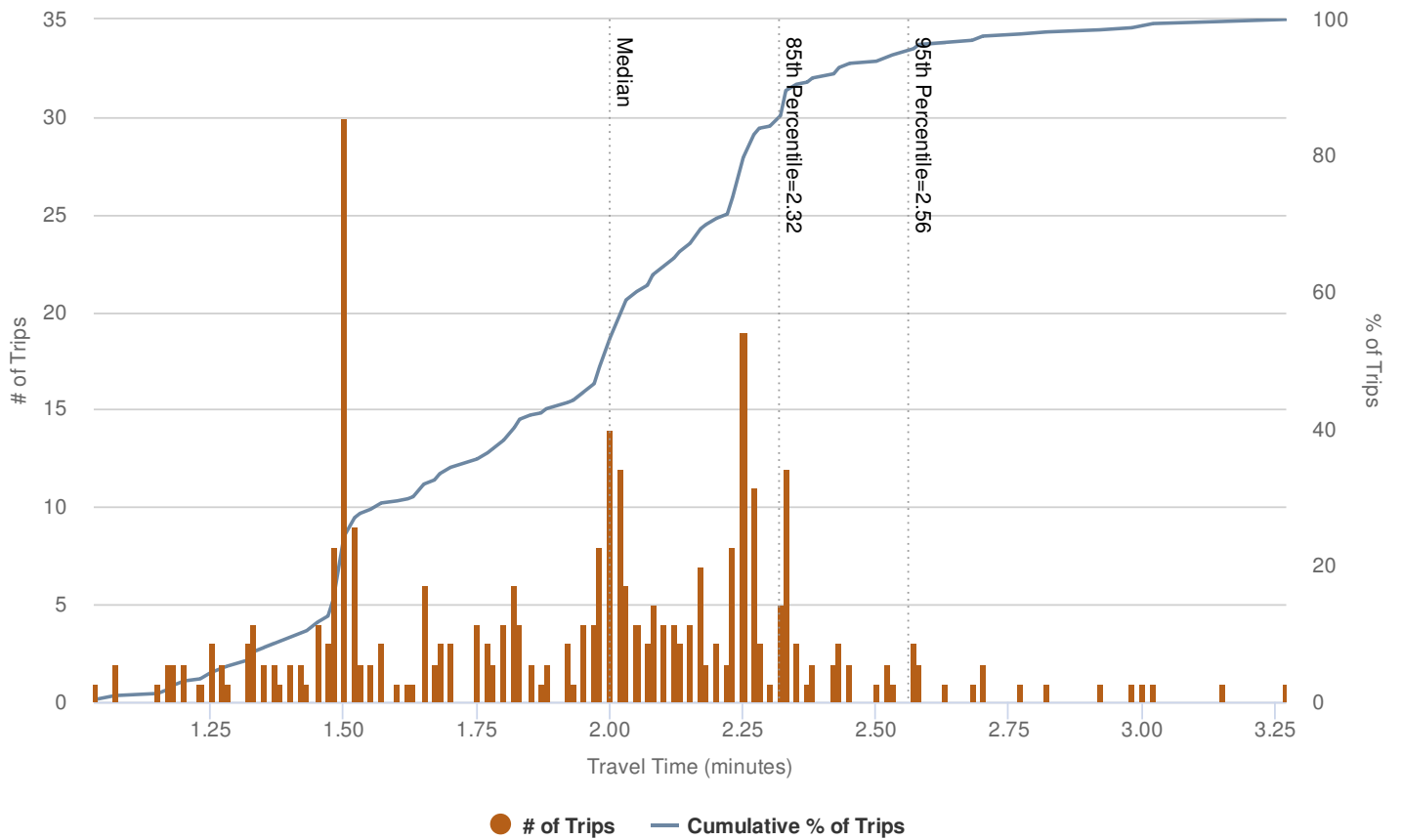
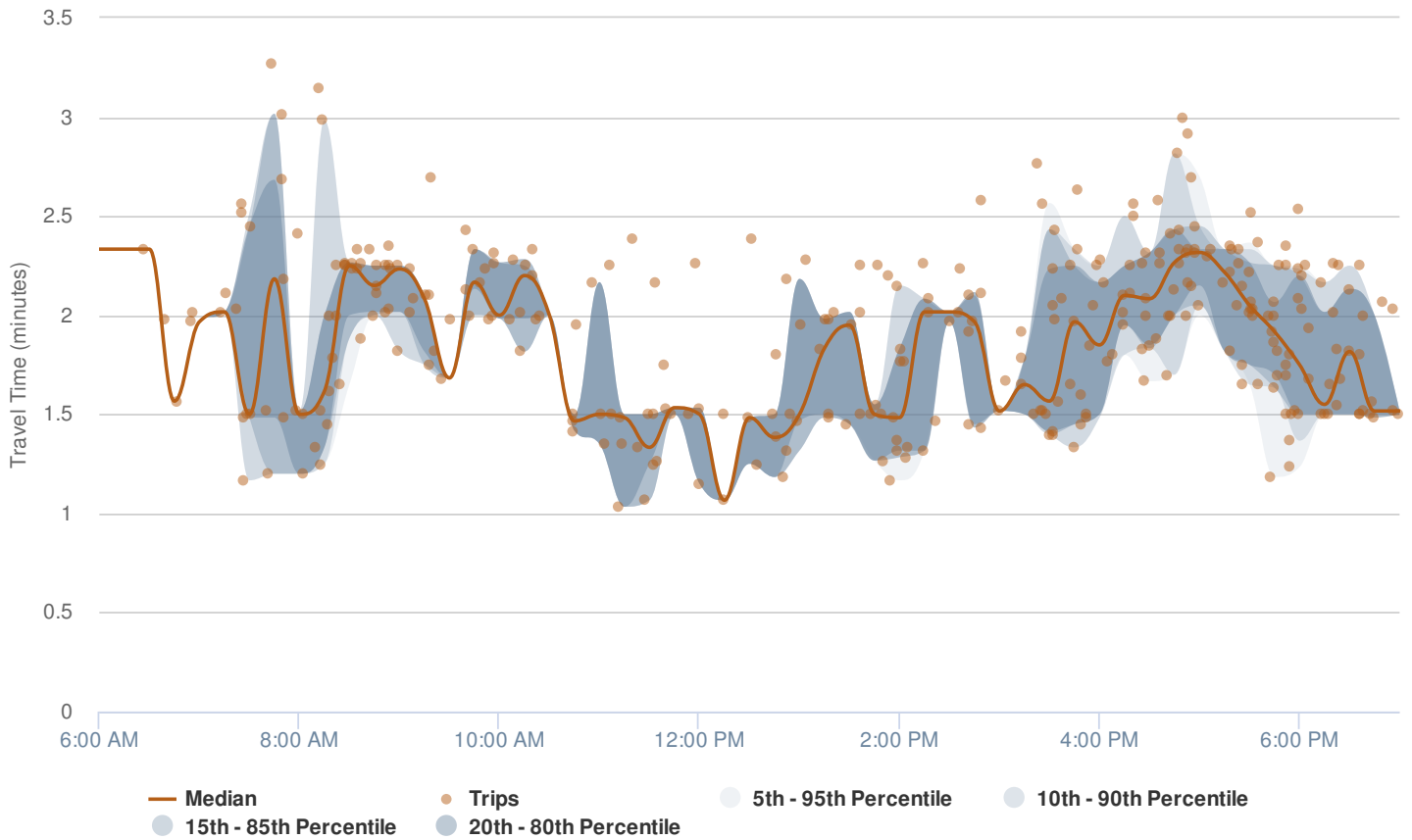
— Median
 ● Trips
 ■ 5th - 95th Percentile
 ■ 10th - 90th Percentile
■ 15th - 85th Percentile
■ 20th - 80th Percentile



● # of Trips
— Cumulative % of Trips

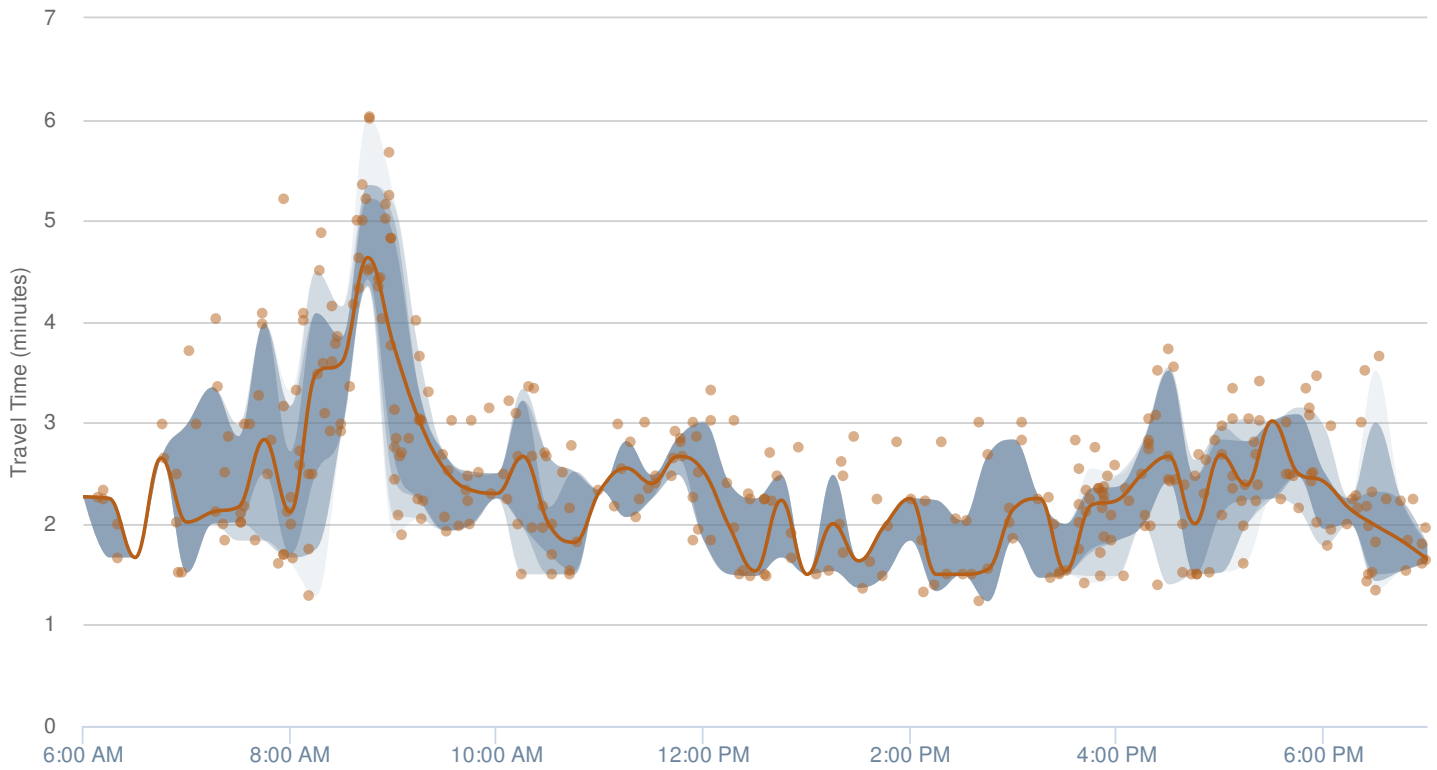
12. Plymouth Rd at Barton Dr to 375 Depot St, Ann Arbor, MI 48104, USA

3 to 6 | (42.296304, -83.730543) to (42.287266, -83.742706)

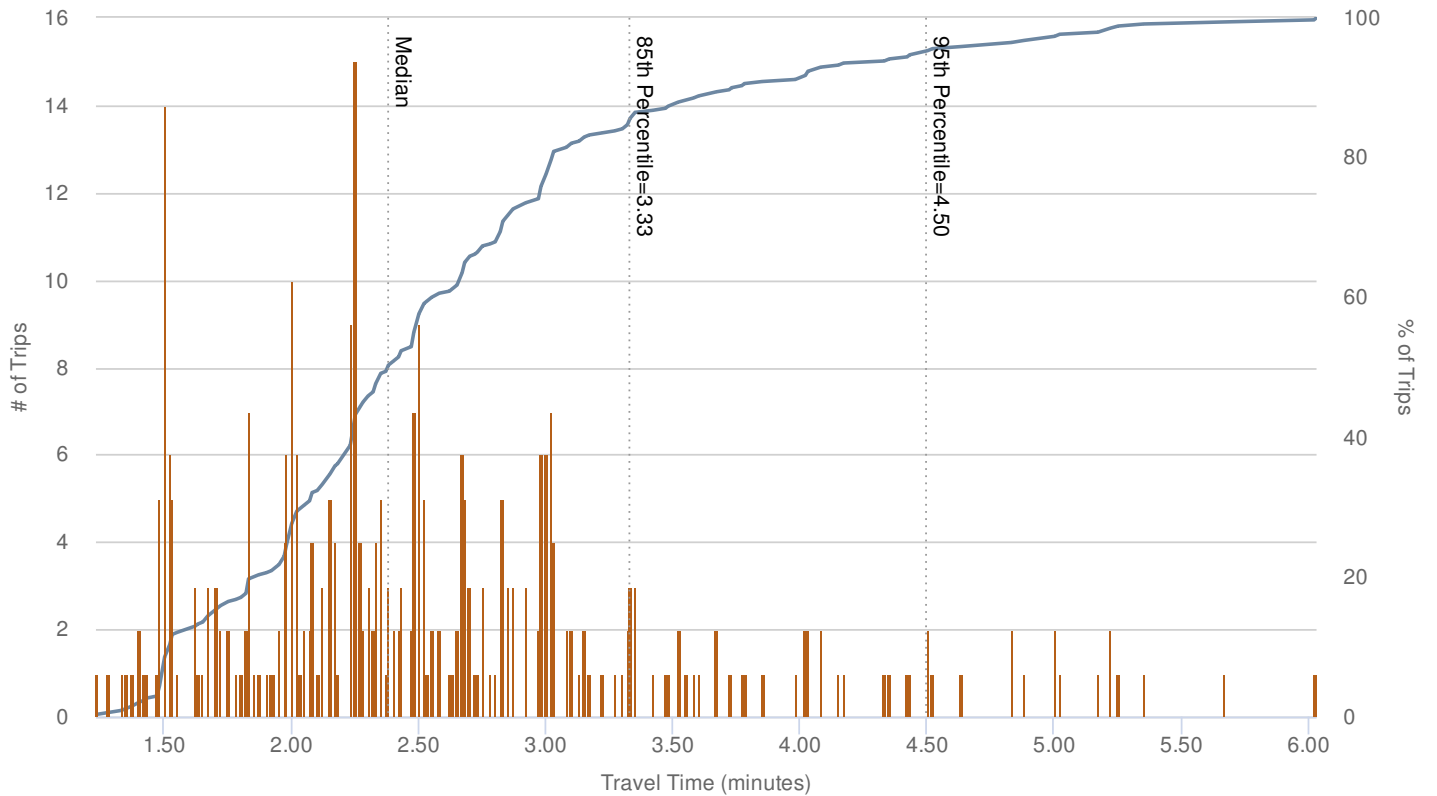


375 Depot St, Ann Arbor, MI 48104, USA to 12. Plymouth Rd at Barton Dr

6 to 3 | (42.287266, -83.742706) to (42.296304, -83.730543)



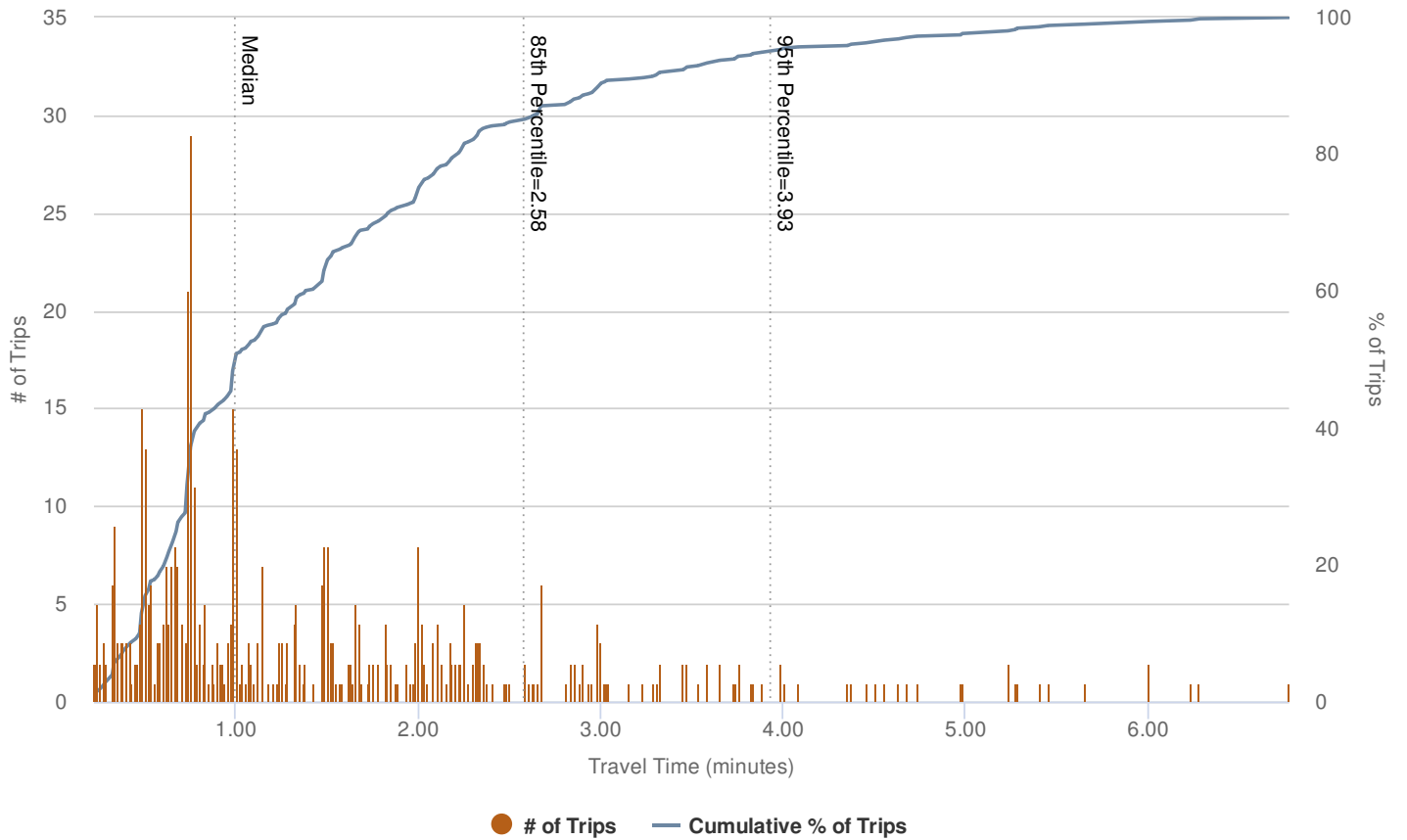
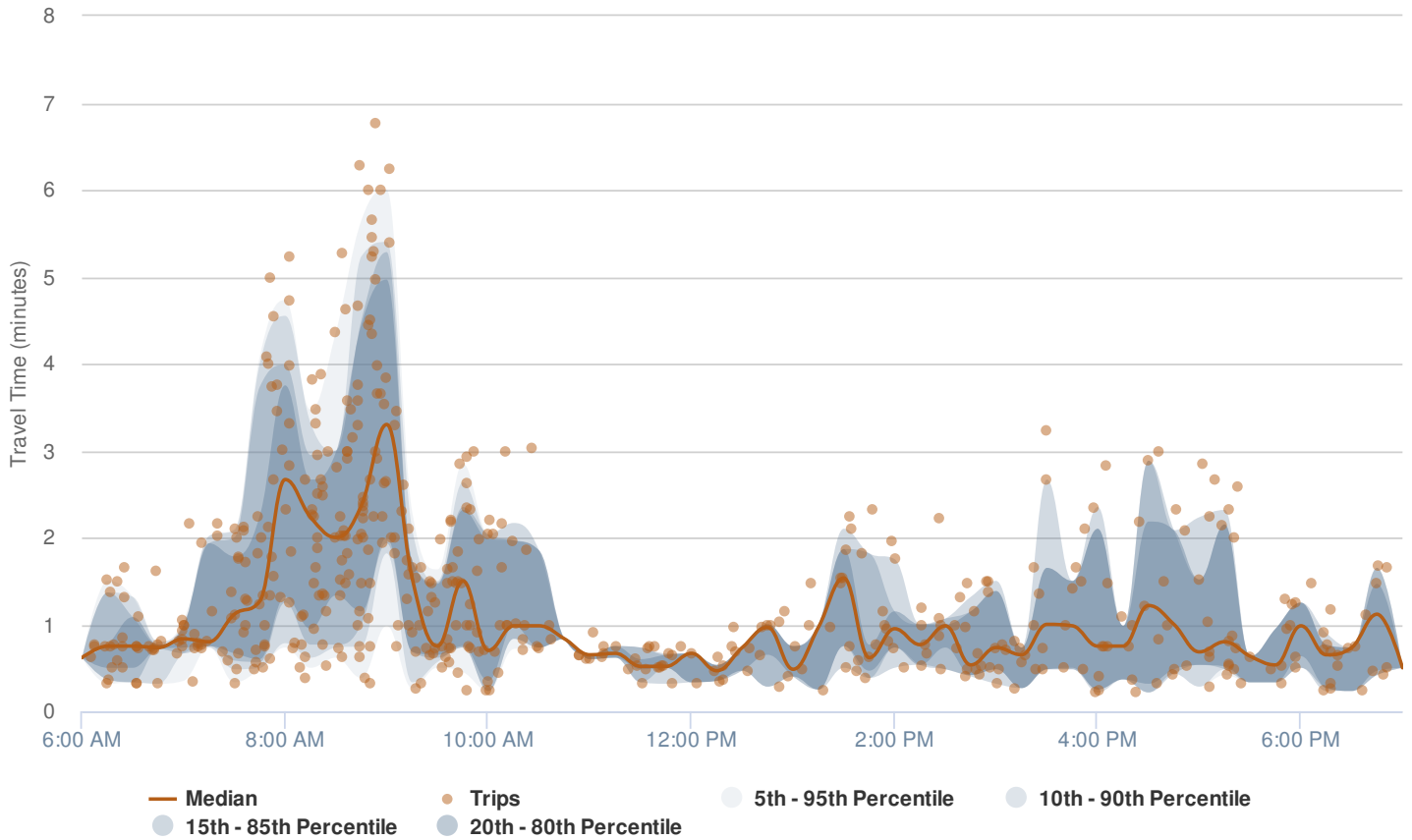
— Median ● Trips ● 5th - 95th Percentile ● 10th - 90th Percentile
● 15th - 85th Percentile ● 20th - 80th Percentile



● # of Trips — Cumulative % of Trips

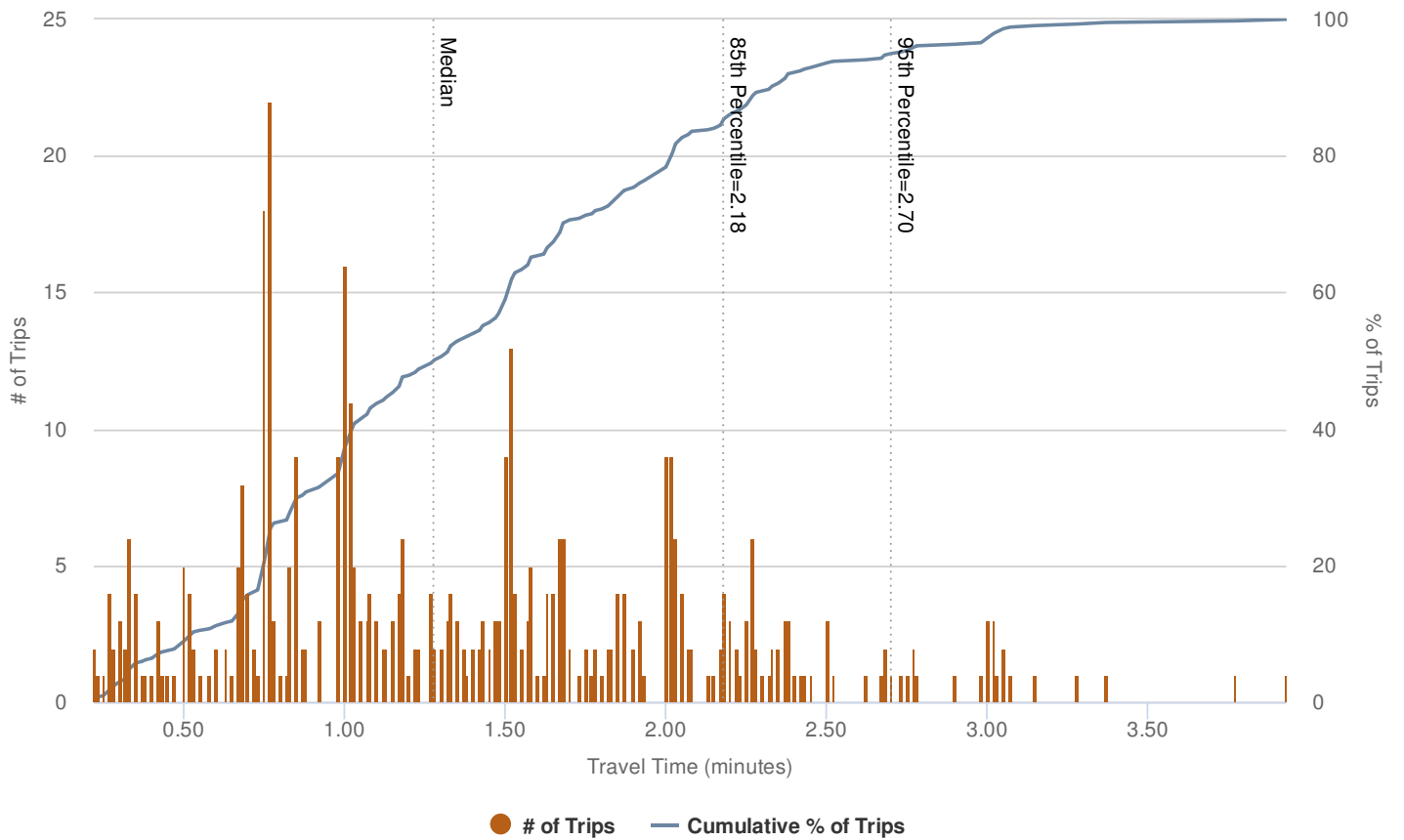
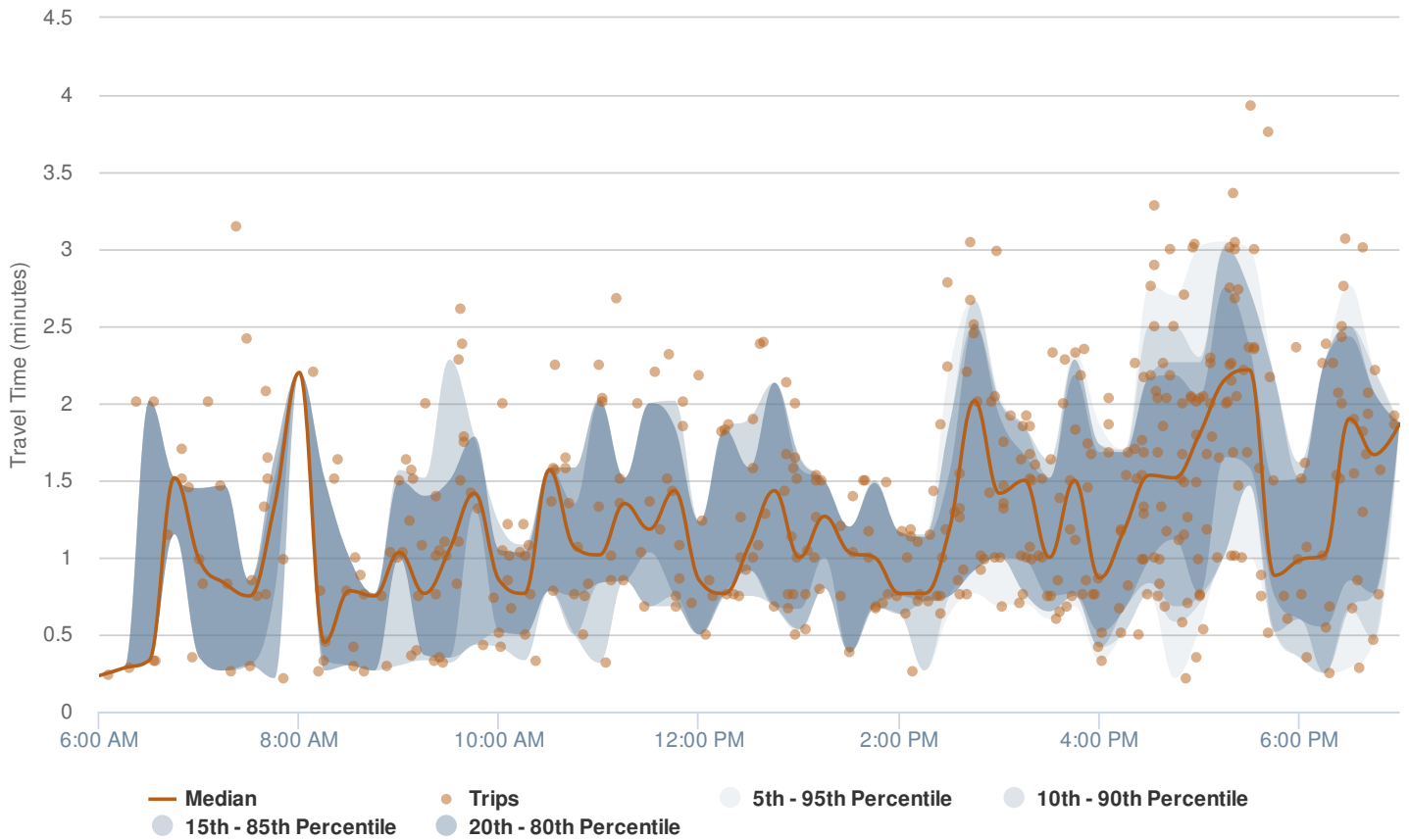
10. Moore St at Traver St to 25. Maiden Ln at Island Dr

4 to 5 | (42.290075, -83.738676) to (42.287652, -83.73335)



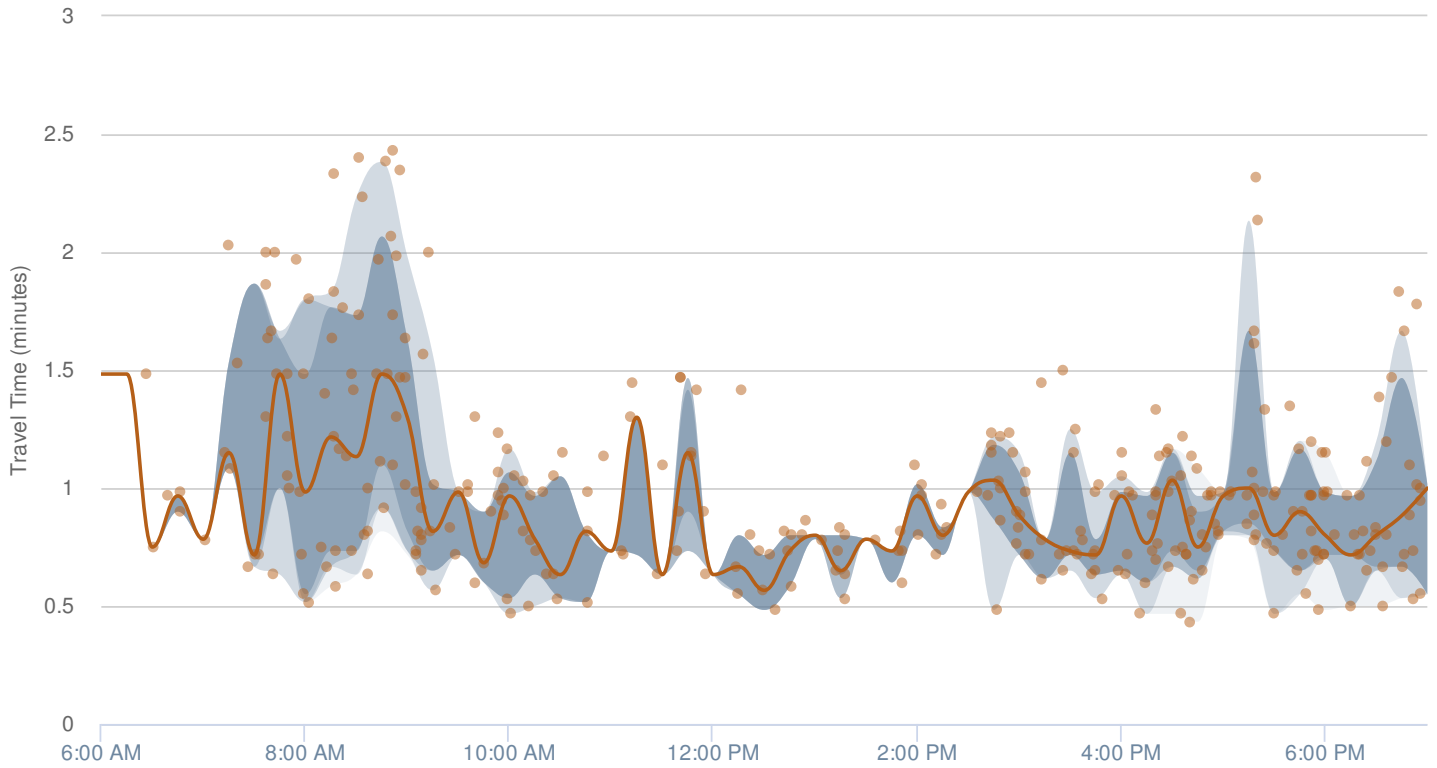
25. Maiden Ln at Island Dr to 10. Moore St at Traver St

5 to 4 | (42.287652, -83.73335) to (42.290075, -83.738676)

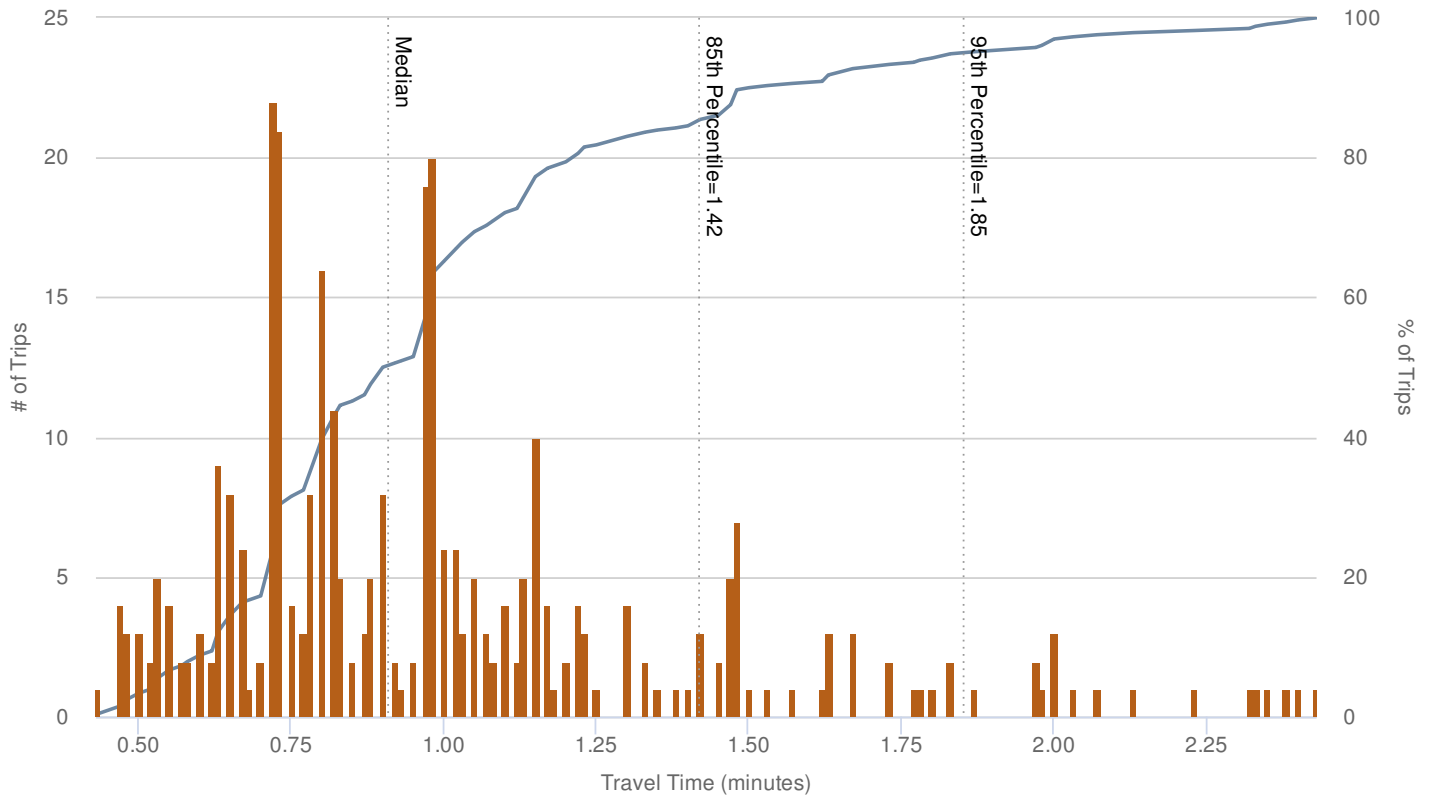


10. Moore St at Traver St to 375 Depot St, Ann Arbor, MI 48104, USA

4 to 6 | (42.290075, -83.738676) to (42.287266, -83.742706)



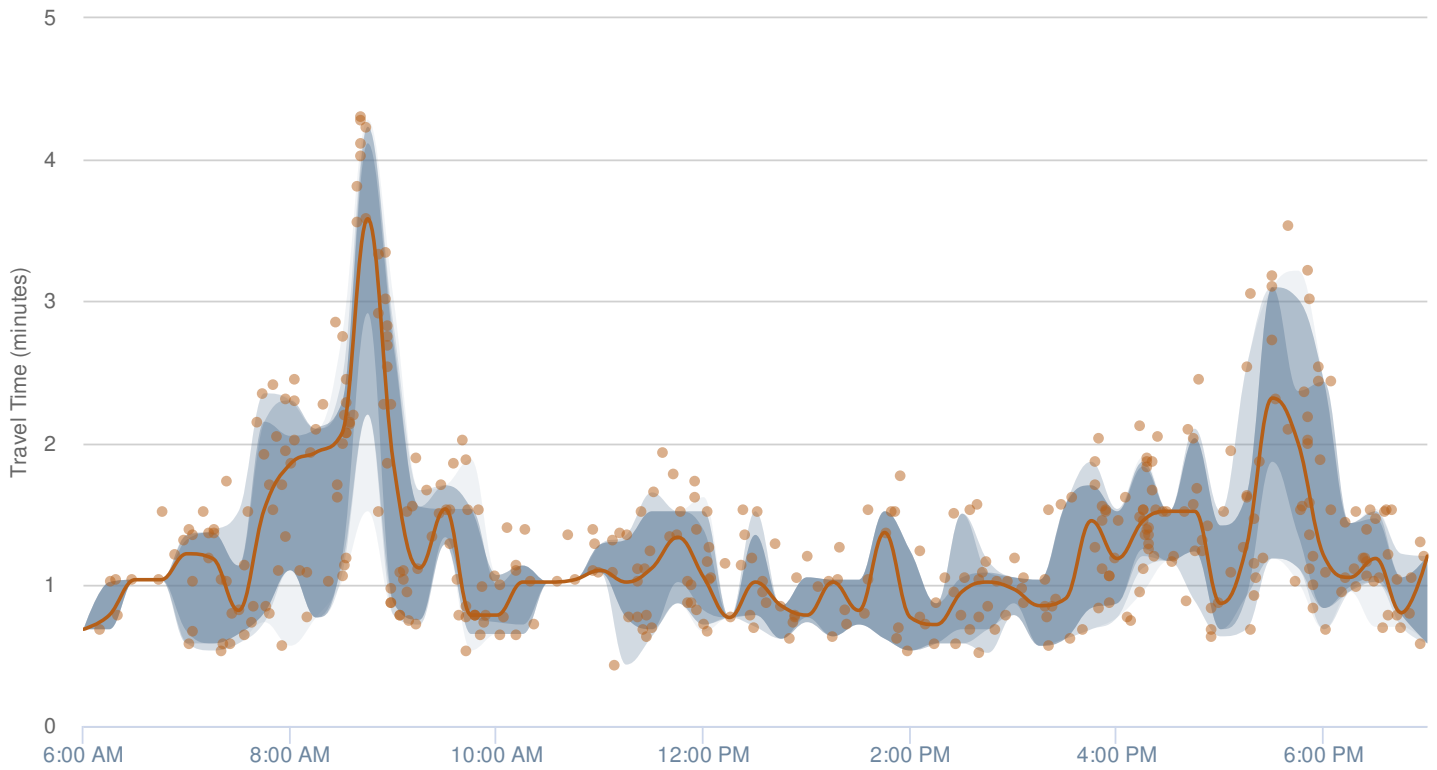
— Median
 ● Trips
 5th - 95th Percentile
 10th - 90th Percentile
 15th - 85th Percentile
 20th - 80th Percentile



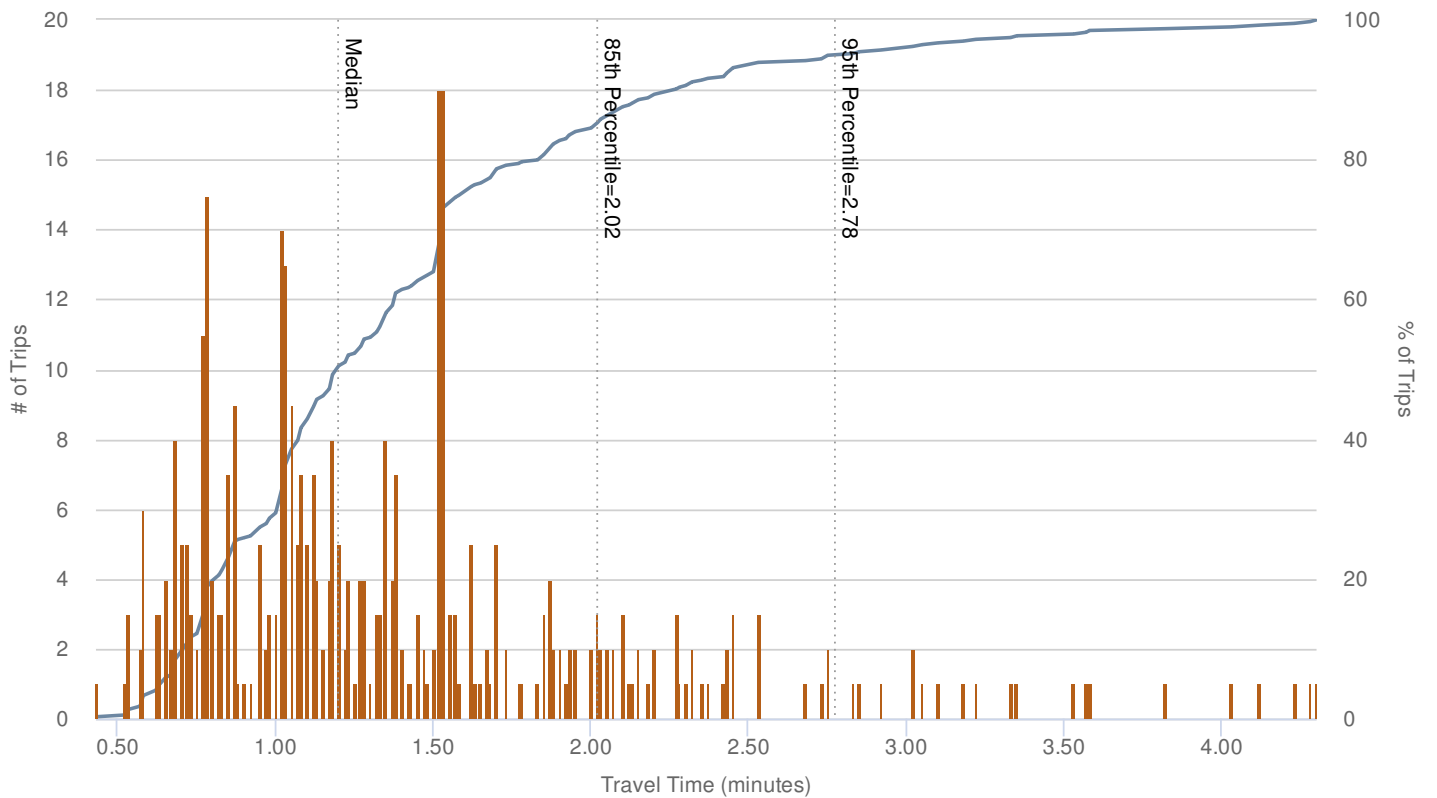
● # of Trips
 — Cumulative % of Trips

375 Depot St, Ann Arbor, MI 48104, USA to 10. Moore St at Traver St

6 to 4 | (42.287266, -83.742706) to (42.290075, -83.738676)



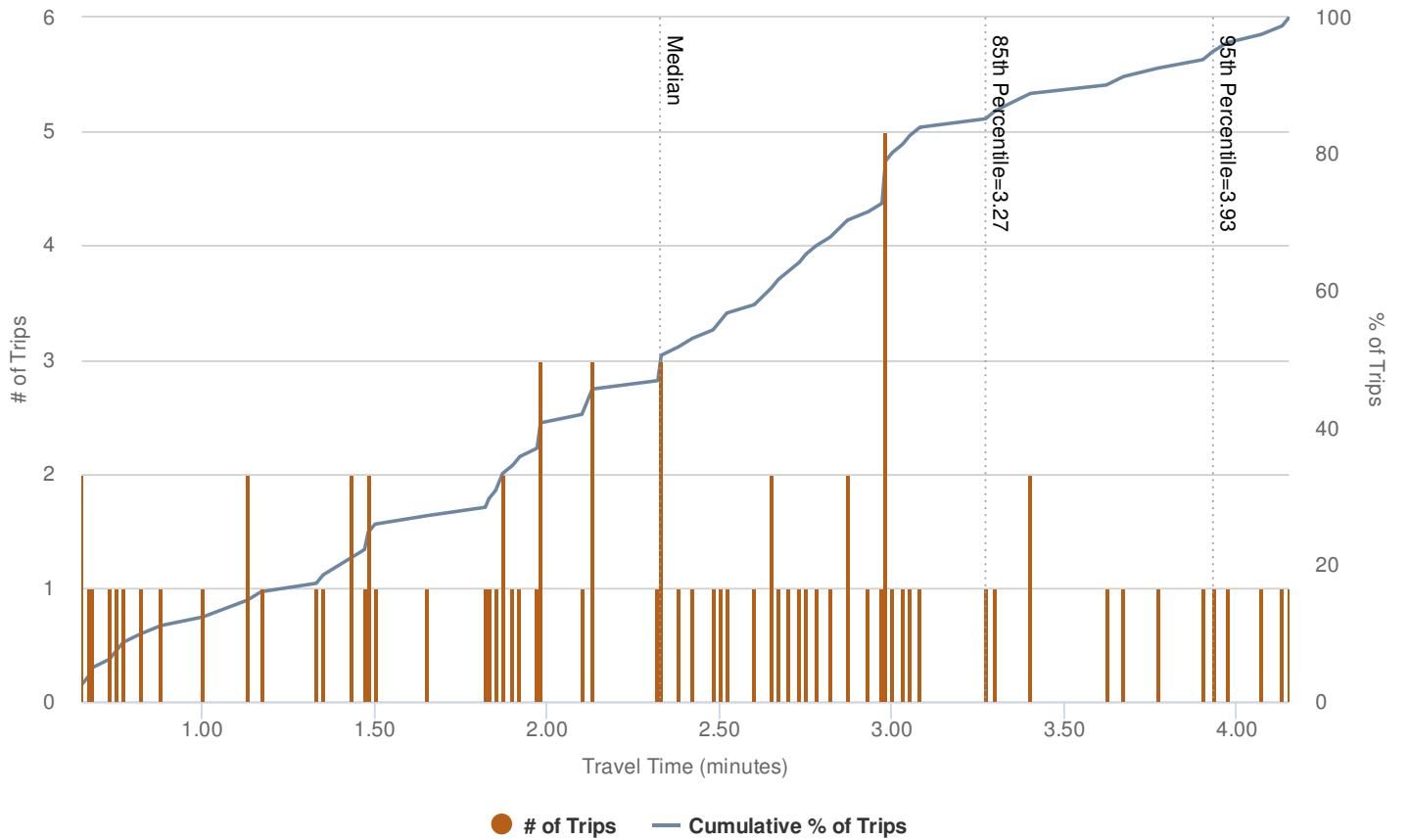
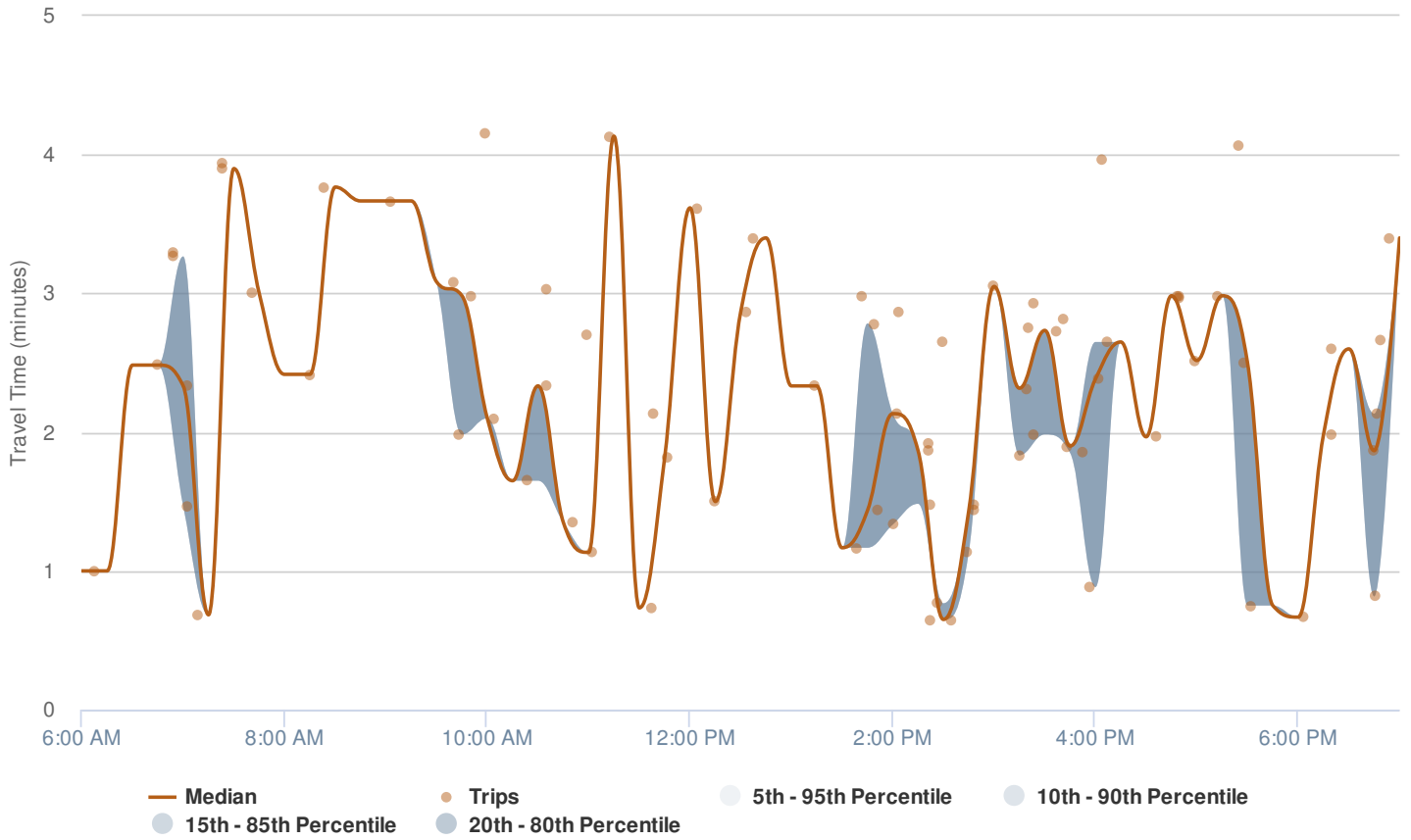
— Median ● Trips ● 5th - 95th Percentile ● 10th - 90th Percentile
● 15th - 85th Percentile ● 20th - 80th Percentile



● # of Trips — Cumulative % of Trips

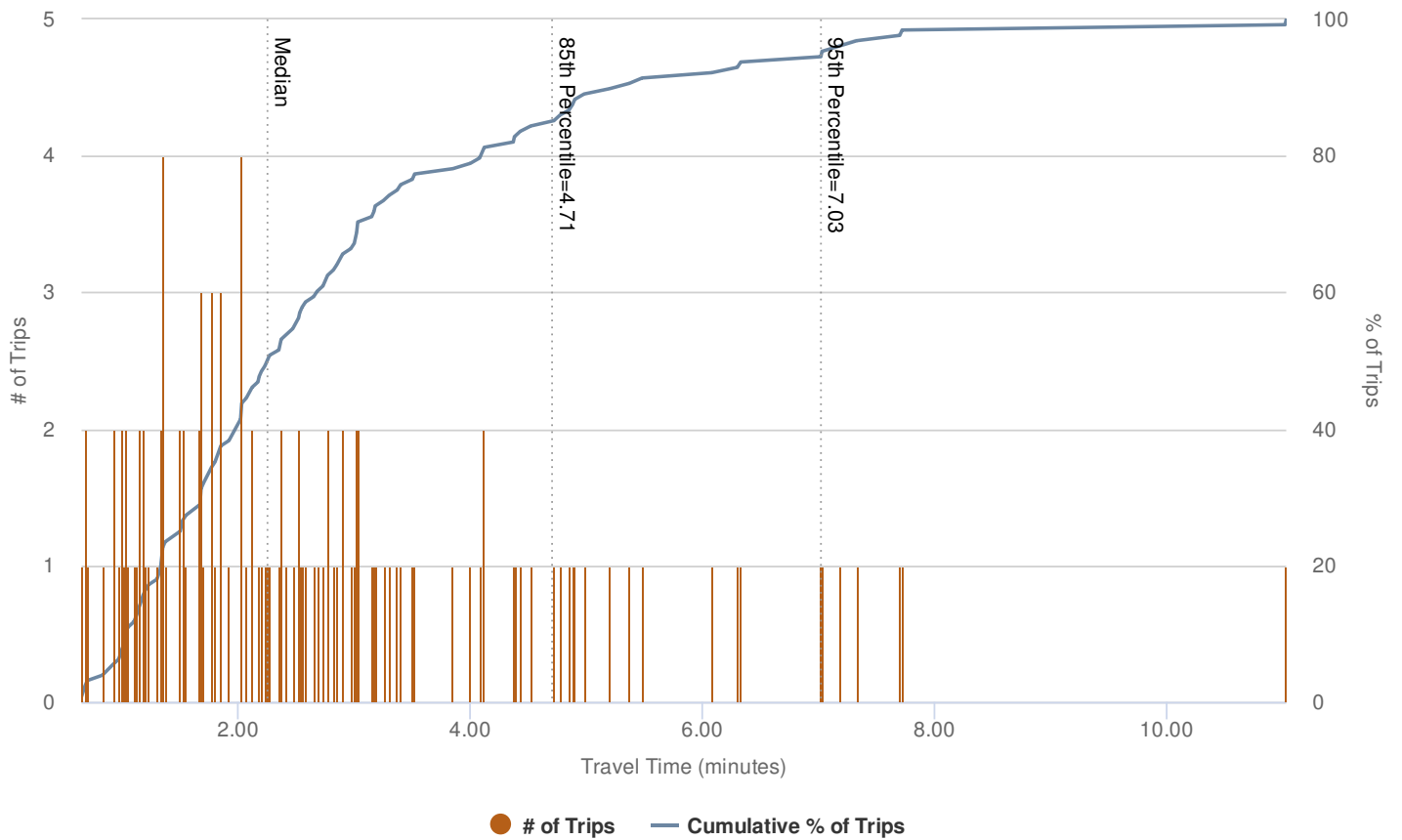
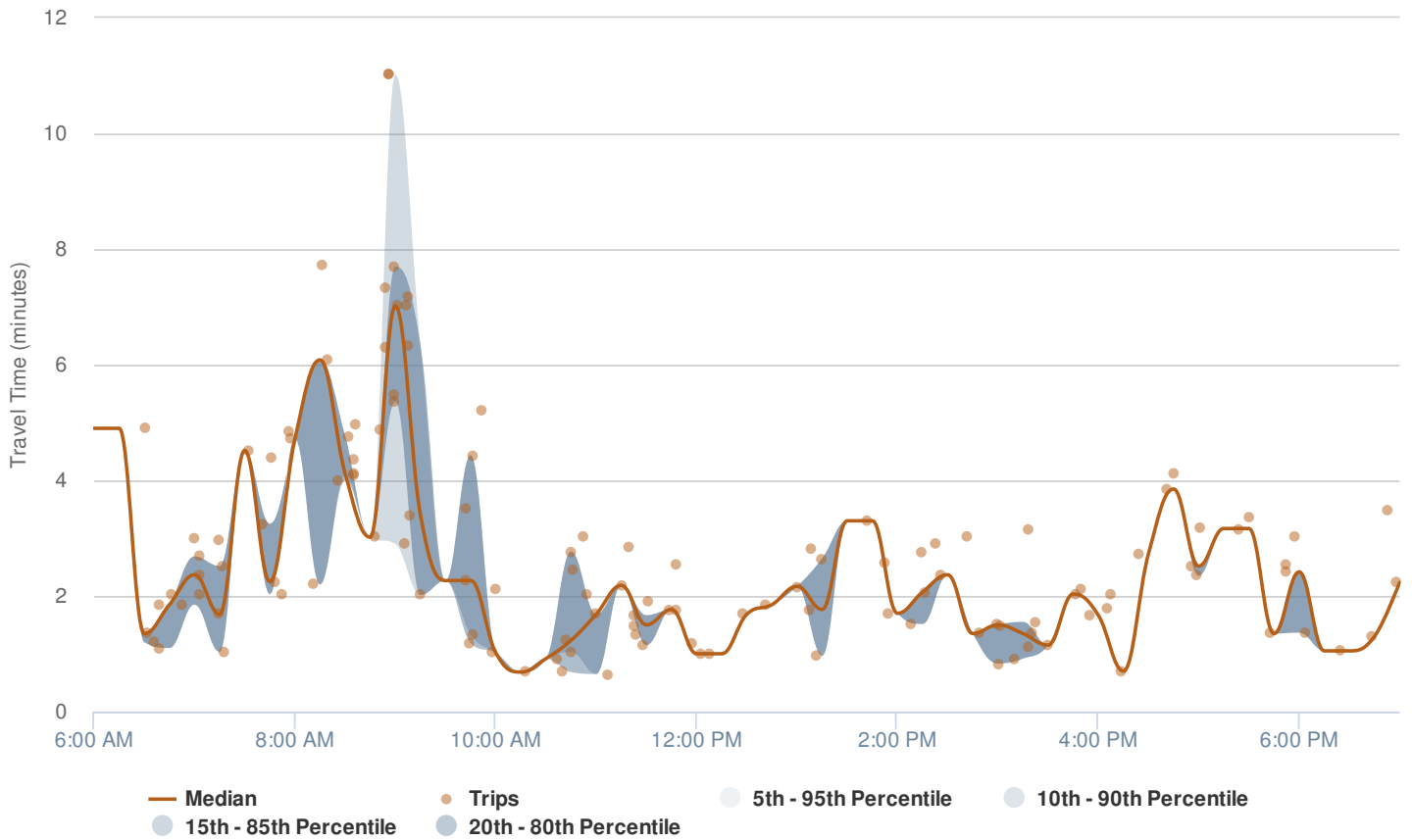
25. Maiden Ln at Island Dr to 375 Depot St, Ann Arbor, MI 48104, USA

5 to 6 | (42.287652, -83.73335) to (42.287266, -83.742706)



375 Depot St, Ann Arbor, MI 48104, USA to 25. Maiden Ln at Island Dr

6 to 5 | (42.287266, -83.742706) to (42.287652, -83.73335)



Origin-Destination Analysis

Introduction

An Origin-Destination (O-D) survey data capture was performed as part of the Lower Town Study data collection for six origins/destinations within the project study area. The six locations include the following:

1. Pontiac Trail at Dhu Varren Road
2. Barton Drive - East of US-23 NB
3. Plymouth Road at Barton Drive
4. Maiden Lane at Island Drive
5. Broadway Street – West end of Broadway Bridge
6. Moore Street at Traver Street (excluded from detailed exhibits due to redundancy of travel paths via the five other locations)

The O-D survey was conducted by OHM’s sub-consultant Traffic Data Collection, LLC while local schools were in session on Tuesday, November 19, 2019 from 6:00 AM to 7:00 PM. The data was collected by means of Media Access Control (MAC) address capture technology. For further information on MAC address O-D survey data capture, see <https://trid.trb.org/view/1568413>.

The roadways primarily used for travel between these locations include Pontiac Trail, Barton Drive, Moore Street, Plymouth Road, Broadway Street, and Maiden Lane. Figures were produced describing travel to and from the five locations selected for detailed analysis during the AM (07:00 – 10:00) and PM (16:00 – 19:00) travel demand windows. These figures for both AM and PM peak periods are attached.

Summary

As seen in the “Lower Town – AM Origin-Destination Figure”, over 75% of the 676 surveyed sample AM trips originated from either of the Barton Drive (25.1%), Plymouth Road (33.3%), or Broadway Street (25.4%) locations. The O-D path with the greatest travel demand was from Plymouth Road at Barton Drive to Maiden Lane at Island Drive which constituted 18.9% of the AM sample, or 128 trips. The O-D path bandwidths are thickest, corresponding with higher travel demand, along Plymouth Road, Broadway Street, and Maiden Lane.

During the PM observation period, the “Lower Town – PM Origin-Destination Figure” demonstrates that over 60% of the 647 surveyed sample PM trips were generated from either of the Plymouth Road (38.5%) or Broadway Street (26.4%) locations. The O-D path with the greatest travel demand was from Plymouth Road at Barton Drive to Broadway Street (West end of Broadway Bridge), which constituted 18.5% of the PM sample, or 120 trips. Consequently, and similar to the AM survey result, the O-D path bandwidths are widest along Plymouth Road, Broadway Street, and Maiden Lane.

Lower Town - AM Origin-Destination Map

Data Collected: November 19, 2019; 7:00 - 10:00 AM

Total Sample AM Trips: 676 Trips

#2 Barton Drive - East of US-23 NB

To	1	3	4	5	Total
Trips	9	69	54	38	170
% All Trips	1.3%	10.2%	8.0%	5.6%	25.1%

#1 Pentiac Trail at Dhu Varren Road

To	2	3	4	5	Total
Trips	18	0	24	24	66
% All Trips	2.7%	0.0%	3.6%	3.0%	9.8%

#3 Plymouth Road at Barton Drive

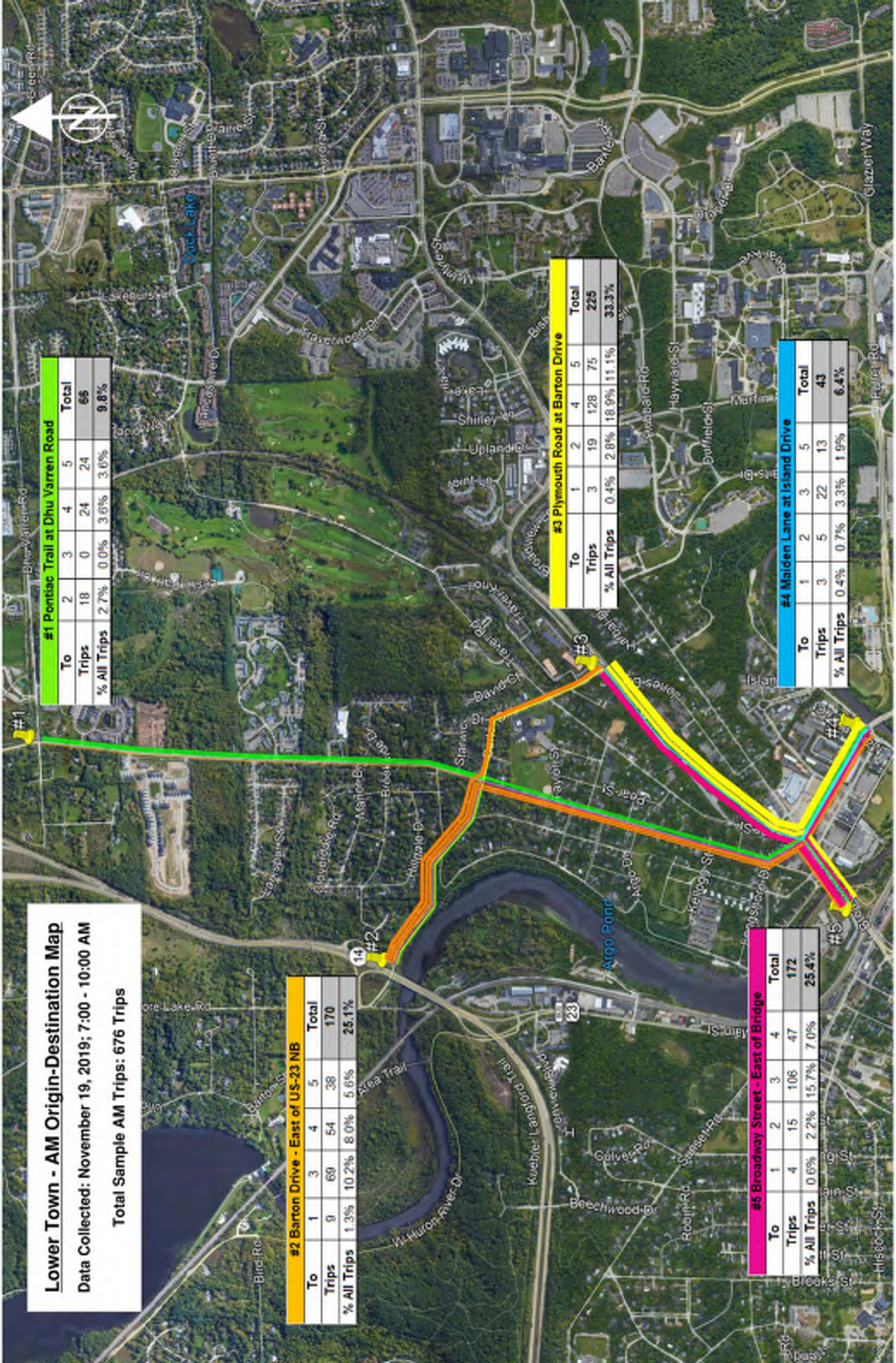
To	1	2	4	5	Total
Trips	3	19	128	75	225
% All Trips	0.4%	2.8%	18.9%	11.1%	33.3%

#5 Broadway Street - East of Bridge

To	1	2	3	4	Total
Trips	4	15	106	47	172
% All Trips	0.6%	2.2%	15.7%	7.0%	25.4%

#4 Maiden Lane at Island Drive

To	1	2	3	5	Total
Trips	3	5	22	13	43
% All Trips	0.4%	0.7%	3.3%	1.9%	6.4%



Lower Town - PM Origin-Destination Map

Data Collected: November 19, 2019; 4:00 - 7:00 PM

Total Sample PM Trips: 647 Trips



#1 Pentac Trail at Dhu Varren Road

To	2	3	4	5	Total
Trips	23	2	3	12	40
% All Trips	3.6%	0.3%	0.5%	1.9%	6.2%

#2 Barton Drive - East of US-23 NB

To	1	3	4	5	Total
Trips	15	25	13	13	66
% All Trips	2.3%	3.9%	2.0%	2.0%	10.2%

#3 Plymouth Road at Barton Drive

To	1	2	4	5	Total
Trips	6	80	43	120	249
% All Trips	0.9%	12.4%	6.6%	18.5%	38.5%

#5 Broadway Street - East of Bridge

To	1	2	3	4	Total
Trips	10	50	91	20	171
% All Trips	1.5%	7.7%	14.1%	3.1%	26.4%

#4 Maiden Lane at Island Drive

To	1	2	3	5	Total
Trips	10	34	57	20	121
% All Trips	1.5%	5.3%	8.8%	3.1%	18.7%

