

Appendix C

Traffic and Signal Timing Data

- 1: Turning Movement Counts
- 2: Automatic Traffic Recorder Counts
- 3: Speed Data
- 4: Signal Timing Data

Part 1: Turning Movement Counts

Leg Direction	Granite Street (Route 37) Southbound						Rockdale Street Westbound						Granite Street (Route 37) Northbound						Wood 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
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	2	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	-11.1%	-	-	-	-	-	-25.0%	-	-	-	-	-	-50.0%	-

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

239319 (1) Granite @ Wood TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 8AM - 9 AM)

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

All Movements

ID: 1065000, Location: 42.226091, -71.031899

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						Rockdale Street Westbound						Granite Street (Route 37) Northbound						Wood 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*	
2023-05-04 8:00AM	26	125	32	0	183	0	5	1	16	0	22	0	65	206	94	0	365	0	13	1	5	0	19	0	589
8:15AM	33	138	34	0	205	0	7	4	12	0	23	0	79	222	87	0	388	1	28	1	15	0	44	0	660
8:30AM	42	130	18	2	192	0	8	2	16	0	26	0	94	218	109	0	421	0	23	0	12	0	35	0	674
8:45AM	33	111	34	0	178	0	5	1	11	0	17	0	115	174	91	0	380	0	31	5	9	0	45	0	620
Total	134	504	118	2	758	0	25	8	55	0	88	0	353	820	381	0	1554	1	95	7	41	0	143	0	2543
% Approach	17.7%	66.5%	15.6%	0.3%	-	-	28.4%	9.1%	62.5%	0%	-	-	22.7%	52.8%	24.5%	0%	-	-	66.4%	4.9%	28.7%	0%	-	-	-
% Total	5.3%	19.8%	4.6%	0.1%	29.8%	-	1.0%	0.3%	2.2%	0%	3.5%	-	13.9%	32.2%	15.0%	0%	61.1%	-	3.7%	0.3%	1.6%	0%	5.6%	-	-
PHF	0.798	0.913	0.868	0.250	0.924	-	0.781	0.500	0.859	-	0.846	-	0.767	0.923	0.874	-	0.923	-	0.766	0.350	0.683	-	0.794	-	0.943
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	1
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.3%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%
Lights	130	478	117	2	727	-	25	8	51	0	84	-	347	793	354	0	1494	-	78	6	38	0	122	-	2427
% Lights	97.0%	94.8%	99.2%	100%	95.9%	-	100%	100%	92.7%	0%	95.5%	-	98.3%	96.7%	92.9%	0%	96.1%	-	82.1%	85.7%	92.7%	0%	85.3%	-	95.4%
Single-Unit Trucks	3	9	0	0	12	-	0	0	2	0	2	-	3	22	23	0	48	-	9	1	3	0	13	-	75
% Single-Unit Trucks	2.2%	1.8%	0%	0%	1.6%	-	0%	0%	3.6%	0%	2.3%	-	0.8%	2.7%	6.0%	0%	3.1%	-	9.5%	14.3%	7.3%	0%	9.1%	-	2.9%
Articulated Trucks	1	2	1	0	4	-	0	0	1	0	1	-	1	3	3	0	7	-	5	0	0	0	5	-	17
% Articulated Trucks	0.7%	0.4%	0.8%	0%	0.5%	-	0%	0%	1.8%	0%	1.1%	-	0.3%	0.4%	0.8%	0%	0.5%	-	5.3%	0%	0%	0%	3.5%	-	0.7%
Buses	0	15	0	0	15	-	0	0	1	0	1	-	1	2	1	0	4	-	3	0	0	0	3	-	23
% Buses	0%	3.0%	0%	0%	2.0%	-	0%	0%	1.8%	0%	1.1%	-	0.3%	0.2%	0.3%	0%	0.3%	-	3.2%	0%	0%	0%	2.1%	-	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	-	-	-	-	-	1	-	-	-	-	-	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

239319 (1) Granite @ Wood TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:30PM - 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: 1065000, Location: 42.226091, -71.031899

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						Rockdale Street Westbound						Granite Street (Route 37) Northbound						Wood 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*	
2023-05-04 4:30PM	26	306	9	0	341	0	15	4	63	0	82	0	16	112	50	2	180	0	73	2	21	0	96	0	699
4:45PM	25	286	11	0	322	0	16	3	68	0	87	0	14	108	53	2	177	0	62	1	18	0	81	0	667
5:00PM	22	199	13	0	234	0	23	7	99	0	129	0	24	95	53	7	179	0	91	3	20	0	114	0	656
5:15PM	40	259	7	1	307	0	21	3	56	0	80	0	21	116	60	0	197	0	54	4	13	0	71	0	655
Total	113	1050	40	1	1204	0	75	17	286	0	378	0	75	431	216	11	733	0	280	10	72	0	362	0	2677
% Approach	9.4%	87.2%	3.3%	0.1%	-	-	19.8%	4.5%	75.7%	0%	-	-	10.2%	58.8%	29.5%	1.5%	-	-	77.3%	2.8%	19.9%	0%	-	-	-
% Total	4.2%	39.2%	1.5%	0%	45.0%	-	2.8%	0.6%	10.7%	0%	14.1%	-	2.8%	16.1%	8.1%	0.4%	27.4%	-	10.5%	0.4%	2.7%	0%	13.5%	-	-
PHF	0.706	0.858	0.769	0.250	0.883	-	0.815	0.607	0.722	-	0.733	-	0.781	0.929	0.900	0.393	0.930	-	0.769	0.750	0.857	-	0.792	-	0.957
Motorcycles	1	0	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Motorcycles	0.9%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Lights	111	1028	40	1	1180	-	74	15	283	0	372	-	74	424	209	10	717	-	277	8	71	0	356	-	2625
% Lights	98.2%	97.9%	100%	100%	98.0%	-	98.7%	88.2%	99.0%	0%	98.4%	-	98.7%	98.4%	96.8%	90.9%	97.8%	-	98.9%	80.0%	98.6%	0%	98.3%	-	98.1%
Single-Unit Trucks	1	11	0	0	12	-	0	1	2	0	3	-	0	2	6	0	8	-	2	1	0	0	3	-	26
% Single-Unit Trucks	0.9%	1.0%	0%	0%	1.0%	-	0%	5.9%	0.7%	0%	0.8%	-	0%	0.5%	2.8%	0%	1.1%	-	0.7%	10.0%	0%	0%	0.8%	-	1.0%
Articulated Trucks	0	4	0	0	4	-	0	0	1	0	1	-	1	2	1	0	4	-	1	0	1	0	2	-	11
% Articulated Trucks	0%	0.4%	0%	0%	0.3%	-	0%	0%	0.3%	0%	0.3%	-	1.3%	0.5%	0.5%	0%	0.5%	-	0.4%	0%	1.4%	0%	0.6%	-	0.4%
Buses	0	7	0	0	7	-	1	1	0	0	2	-	0	3	0	1	4	-	0	0	0	0	0	-	13
% Buses	0%	0.7%	0%	0%	0.6%	-	1.3%	5.9%	0%	0%	0.5%	-	0%	0.7%	0%	9.1%	0.5%	-	0%	0%	0%	0%	0%	-	0.5%
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%	10.0%	0%	0%	0.3%	-	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

239319 (1) Granite @ Wood TMC - TMC

Sat May 6, 2023

Midday Peak (WKND), PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065000, Location: 42.226091, -71.031899

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						Rockdale Street Westbound						Granite Street (Route 37) Northbound						Wood 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*	
2023-05-06 1:00PM	18	199	8	0	225	0	5	2	16	0	23	0	10	94	76	3	183	0	47	2	13	0	62	0	493
1:15PM	16	169	12	0	197	0	3	2	17	0	22	3	15	93	75	1	184	2	52	0	9	0	61	0	464
1:30PM	21	205	5	0	231	0	12	0	16	0	28	0	12	93	55	4	164	1	44	3	11	0	58	0	481
1:45PM	22	224	3	0	249	0	8	0	17	0	25	0	11	91	65	5	172	1	44	1	20	0	65	0	511
Total	77	797	28	0	902	0	28	4	66	0	98	3	48	371	271	13	703	4	187	6	53	0	246	0	1949
% Approach	8.5%	88.4%	3.1%	0%	-	-	28.6%	4.1%	67.3%	0%	-	-	6.8%	52.8%	38.5%	1.8%	-	-	76.0%	2.4%	21.5%	0%	-	-	-
% Total	4.0%	40.9%	1.4%	0%	46.3%	-	1.4%	0.2%	3.4%	0%	5.0%	-	2.5%	19.0%	13.9%	0.7%	36.1%	-	9.6%	0.3%	2.7%	0%	12.6%	-	-
PHF	0.875	0.888	0.583	-	0.905	-	0.583	0.500	0.971	-	0.875	-	0.783	0.987	0.891	0.650	0.954	-	0.899	0.500	0.663	-	0.946	-	0.953
Motorcycles	0	4	0	0	4	-	0	0	1	0	1	-	1	4	4	0	9	-	1	0	1	0	2	-	16
% Motorcycles	0%	0.5%	0%	0%	0.4%	-	0%	0%	1.5%	0%	1.0%	-	2.1%	1.1%	1.5%	0%	1.3%	-	0.5%	0%	1.9%	0%	0.8%	-	0.8%
Lights	77	783	28	0	888	-	28	4	65	0	97	-	46	364	266	13	689	-	186	6	52	0	244	-	1918
% Lights	100%	98.2%	100%	0%	98.4%	-	100%	100%	98.5%	0%	99.0%	-	95.8%	98.1%	98.2%	100%	98.0%	-	99.5%	100%	98.1%	0%	99.2%	-	98.4%
Single-Unit Trucks	0	4	0	0	4	-	0	0	0	0	0	-	0	2	1	0	3	-	0	0	0	0	0	-	7
% Single-Unit Trucks	0%	0.5%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	0.5%	0.4%	0%	0.4%	-	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	5	0	0	5	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	6
% Buses	0%	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.3%
Bicycles on Road	0	1	0	0	1	-	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	2.1%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-100%	-	-	-	-	-	-75.0%	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-25.0%	-	-	-	-	-	-	-

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

Leg Direction	Granite Street (Route 37) Southbound						North Street Westbound						Granite Street (Route 37) Northbound						I-93 SB Ramps 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																															
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	2	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	- 66.7%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 66.7%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	1	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	- 33.3%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 33.3%	-

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

239319 (2) Granite @ 93 SB Ramps TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065001, Location: 42.224078, -71.031563

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound					North Street Westbound					Granite Street (Route 37) Northbound					I-93 SB Ramps 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*					
2023-05-04 7:45AM	46	112	0	0	158	0	0	0	0	0	0	332	128	0	460	0	72	1	43	0	116	0	734		
8:00AM	51	99	0	0	150	0	0	0	0	0	0	325	156	0	481	0	81	0	38	0	119	1	750		
8:15AM	45	125	0	3	173	0	0	0	0	0	2	337	79	0	418	0	83	0	46	0	129	0	720		
8:30AM	47	118	0	1	166	0	0	1	1	0	2	346	99	0	447	0	91	2	47	0	140	0	755		
Total	189	454	0	4	647	0	0	1	1	0	2	0	4	1340	462	0	1806	0	327	3	174	0	504	1	2959
% Approach	29.2%	70.2%	0%	0.6%	-	-	0%	50.0%	50.0%	0%	-	-	0.2%	74.2%	25.6%	0%	-	-	64.9%	0.6%	34.5%	0%	-	-	-
% Total	6.4%	15.3%	0%	0.1%	21.9%	-	0%	0%	0%	0%	0.1%	-	0.1%	45.3%	15.6%	0%	61.0%	-	11.1%	0.1%	5.9%	0%	17.0%	-	-
PHF	0.926	0.908	-	0.333	0.935	-	-	0.250	0.250	-	0.250	-	0.500	0.968	0.740	-	0.939	-	0.898	0.375	0.926	-	0.900	-	0.980
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	179	423	0	4	606	-	0	1	1	0	2	-	4	1289	426	0	1719	-	306	3	166	0	475	-	2802
% Lights	94.7%	93.2%	0%	100%	93.7%	-	0%	100%	100%	0%	100%	-	100%	96.2%	92.2%	0%	95.2%	-	93.6%	100%	95.4%	0%	94.2%	-	94.7%
Single-Unit Trucks	8	12	0	0	20	-	0	0	0	0	0	-	0	41	28	0	69	-	11	0	6	0	17	-	106
% Single-Unit Trucks	4.2%	2.6%	0%	0%	3.1%	-	0%	0%	0%	0%	0%	-	0%	3.1%	6.1%	0%	3.8%	-	3.4%	0%	3.4%	0%	3.4%	-	3.6%
Articulated Trucks	2	4	0	0	6	-	0	0	0	0	0	-	0	6	6	0	12	-	4	0	2	0	6	-	24
% Articulated Trucks	1.1%	0.9%	0%	0%	0.9%	-	0%	0%	0%	0%	0%	-	0%	0.4%	1.3%	0%	0.7%	-	1.2%	0%	1.1%	0%	1.2%	-	0.8%
Buses	0	15	0	0	15	-	0	0	0	0	0	-	0	4	2	0	6	-	6	0	0	0	6	-	27
% Buses	0%	3.3%	0%	0%	2.3%	-	0%	0%	0%	0%	0%	-	0%	0.3%	0.4%	0%	0.3%	-	1.8%	0%	0%	0%	1.2%	-	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	-	-	-	-	-	1	-	-
% 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

239319 (2) Granite @ 93 SB Ramps TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:30PM - 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: 1065001, Location: 42.224078, -71.031563

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound							North Street Westbound							Granite Street (Route 37) Northbound							I-93 SB Ramps 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*		
2023-05-04 4:30PM	130	302	2	1	435	0	1	2	2	0	5	0	5	149	99	0	253	0	112	1	17	0	130	0	823				
4:45PM	103	326	1	0	430	0	0	0	10	0	10	0	6	161	103	1	271	0	133	4	18	0	155	0	866				
5:00PM	104	292	0	2	398	0	2	1	6	0	9	0	4	160	106	1	271	0	130	3	24	0	157	0	835				
5:15PM	80	312	2	1	395	0	2	1	3	0	6	0	8	175	117	0	300	0	112	1	14	0	127	0	828				
Total	417	1232	5	4	1658	0	5	4	21	0	30	0	23	645	425	2	1095	0	487	9	73	0	569	0	3352				
% Approach	25.2%	74.3%	0.3%	0.2%	-	-	16.7%	13.3%	70.0%	0%	-	-	2.1%	58.9%	38.8%	0.2%	-	-	85.6%	1.6%	12.8%	0%	-	-	-				
% Total	12.4%	36.8%	0.1%	0.1%	49.5%	-	0.1%	0.1%	0.6%	0%	0.9%	-	0.7%	19.2%	12.7%	0.1%	32.7%	-	14.5%	0.3%	2.2%	0%	17.0%	-	-				
PHF	0.802	0.945	0.625	0.500	0.953	-	0.625	0.500	0.525	-	0.750	-	0.719	0.921	0.908	0.500	0.913	-	0.915	0.563	0.760	-	0.906	-	0.968				
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	415	1210	5	4	1634	-	5	4	20	0	29	-	23	635	420	2	1080	-	470	9	72	0	551	-	3294				
% Lights	99.5%	98.2%	100%	100%	98.6%	-	100%	100%	95.2%	0%	96.7%	-	100%	98.4%	98.8%	100%	98.6%	-	96.5%	100%	98.6%	0%	96.8%	-	98.3%				
Single-Unit Trucks	1	8	0	0	9	-	0	0	1	0	1	-	0	7	3	0	10	-	5	0	0	0	5	-	25				
% Single-Unit Trucks	0.2%	0.6%	0%	0%	0.5%	-	0%	0%	4.8%	0%	3.3%	-	0%	1.1%	0.7%	0%	0.9%	-	1.0%	0%	0%	0%	0.9%	-	0.7%				
Articulated Trucks	1	5	0	0	6	-	0	0	0	0	0	-	0	0	2	0	2	-	4	0	1	0	5	-	13				
% Articulated Trucks	0.2%	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	0%	0.5%	0%	0.2%	-	0.8%	0%	1.4%	0%	0.9%	-	0.4%				
Buses	0	9	0	0	9	-	0	0	0	0	0	-	0	3	0	0	3	-	8	0	0	0	8	-	20				
% Buses	0%	0.7%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0%	0.5%	0%	0%	0.3%	-	1.6%	0%	0%	0%	1.4%	-	0.6%				
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

239319 (2) Granite @ 93 SB Ramps TMC - TMC

Sat May 6, 2023

Midday Peak (WKND), PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065001, Location: 42.224078, -71.031563

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						North Street Westbound						Granite Street (Route 37) Northbound						I-93 SB Ramps 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*	
2023-05-06 1:00PM	49	210	2	1	262	0	4	8	16	1	29	0	22	148	157	0	327	0	165	5	25	0	195	0	813
1:15PM	63	186	0	0	249	0	7	6	8	0	21	1	6	145	137	0	288	0	146	5	24	0	175	1	733
1:30PM	64	180	4	0	248	0	2	7	15	0	24	0	22	150	164	0	336	0	137	4	15	0	156	0	764
1:45PM	72	212	3	1	288	0	4	6	15	0	25	0	16	156	160	0	332	0	122	9	18	0	149	0	794
Total	248	788	9	2	1047	0	17	27	54	1	99	1	66	599	618	0	1283	0	570	23	82	0	675	1	3104
% Approach	23.7%	75.3%	0.9%	0.2%	-	-	17.2%	27.3%	54.5%	1.0%	-	-	5.1%	46.7%	48.2%	0%	-	-	84.4%	3.4%	12.1%	0%	-	-	-
% Total	8.0%	25.4%	0.3%	0.1%	33.7%	-	0.5%	0.9%	1.7%	0%	3.2%	-	2.1%	19.3%	19.9%	0%	41.3%	-	18.4%	0.7%	2.6%	0%	21.7%	-	-
PHF	0.861	0.929	0.563	0.500	0.909	-	0.607	0.844	0.844	0.250	0.853	-	0.750	0.957	0.942	-	0.959	-	0.864	0.639	0.820	-	0.865	-	0.954
Motorcycles	2	3	0	0	5	-	0	0	0	0	0	-	0	5	2	0	7	-	1	0	3	0	4	-	16
% Motorcycles	0.8%	0.4%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0%	0.8%	0.3%	0%	0.5%	-	0.2%	0%	3.7%	0%	0.6%	-	0.5%
Lights	245	777	9	2	1033	-	17	27	54	1	99	-	66	588	613	0	1267	-	562	23	79	0	664	-	3063
% Lights	98.8%	98.6%	100%	100%	98.7%	-	100%	100%	100%	100%	100%	-	100%	98.2%	99.2%	0%	98.8%	-	98.6%	100%	96.3%	0%	98.4%	-	98.7%
Single-Unit Trucks	1	2	0	0	3	-	0	0	0	0	0	-	0	3	1	0	4	-	5	0	0	0	5	-	12
% Single-Unit Trucks	0.4%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.5%	0.2%	0%	0.3%	-	0.9%	0%	0%	0%	0.7%	-	0.4%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1	0	0	0	1	-	1
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.2%	0%	0%	0%	0.1%	-	0%
Buses	0	6	0	0	6	-	0	0	0	0	0	-	0	1	2	0	3	-	1	0	0	0	1	-	10
% Buses	0%	0.8%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0.3%	0%	0.2%	-	0.2%	0%	0%	0%	0.1%	-	0.3%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	0%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	1	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	100%	-

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

239319 (3) Granite @ 93 NB Ramps TMC - TMC

Thu May 4, 2023

Full Length (11 AM-2 PM, 6 AM-9 AM, 3 PM-6 PM)

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

All Movements

ID: 1065003, Location: 42.221729, -71.029891

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound					I-93 NB Onramp Westbound			Granite Street (Route 37) Northbound					I-93 NB Ramps Eastbound					Int
	R	T	U	App	Ped*	L	App	Ped*	R	T	U	App	Ped*	R	L	U	App	Ped*	
2023-05-04 6:00AM	9	74	0	83	0	0	0	0	91	137	0	228	0	42	17	0	59	0	370
6:15AM	6	88	0	94	0	0	0	0	101	136	0	237	0	62	25	0	87	0	418
6:30AM	11	110	0	121	0	0	0	0	101	185	0	286	0	57	36	0	93	0	500
6:45AM	9	117	0	126	0	0	0	0	121	232	0	353	0	76	44	0	120	1	599
Hourly Total	35	389	0	424	0	0	0	0	414	690	0	1104	0	237	122	0	359	1	1887
7:00AM	16	100	0	116	0	0	0	0	141	221	0	362	0	67	37	0	104	0	582
7:15AM	19	118	0	137	0	0	0	0	114	287	0	401	0	54	99	0	153	0	691
7:30AM	20	131	0	151	0	0	0	0	136	309	0	445	0	82	111	0	193	0	789
7:45AM	29	159	0	188	0	0	0	0	143	358	0	501	0	114	116	0	230	0	919
Hourly Total	84	508	0	592	0	0	0	0	534	1175	0	1709	0	317	363	0	680	0	2981
8:00AM	19	158	0	177	0	0	0	1	157	364	0	521	0	88	94	0	182	0	880
8:15AM	28	181	0	209	0	0	0	0	119	303	0	422	0	101	127	0	228	0	859
8:30AM	32	175	0	207	0	0	0	0	97	322	0	419	0	133	133	0	266	0	892
8:45AM	21	223	0	244	0	0	0	0	91	256	0	347	0	140	102	0	242	0	833
Hourly Total	100	737	0	837	0	0	0	1	464	1245	0	1709	0	462	456	0	918	0	3464
3:00PM	35	300	0	335	0	0	0	0	146	257	0	403	0	156	43	0	199	0	937
3:15PM	59	345	0	404	0	0	0	0	140	238	0	378	0	173	40	0	213	0	995
3:30PM	37	361	0	398	0	0	0	0	143	211	0	354	0	125	41	0	166	0	918
3:45PM	39	354	0	393	0	0	0	0	121	249	0	370	0	141	29	0	170	0	933
Hourly Total	170	1360	0	1530	0	0	0	0	550	955	0	1505	0	595	153	0	748	0	3783
4:00PM	49	372	0	421	0	0	0	0	142	209	0	351	0	146	21	0	167	0	939
4:15PM	45	352	0	397	0	0	0	0	133	190	0	323	0	160	40	0	200	0	920
4:30PM	50	363	0	413	0	0	0	0	119	215	0	334	0	132	45	0	177	0	924
4:45PM	60	398	0	458	0	0	0	0	172	220	0	392	0	133	41	0	174	0	1024
Hourly Total	204	1485	0	1689	0	0	0	0	566	834	0	1400	0	571	147	0	718	0	3807
5:00PM	85	351	0	436	0	0	0	0	159	216	0	375	0	155	53	0	208	0	1019
5:15PM	67	352	0	419	0	0	0	0	170	254	0	424	0	128	42	0	170	0	1013
5:30PM	48	359	0	407	0	0	0	0	146	234	0	380	0	151	45	0	196	0	983
5:45PM	45	333	0	378	0	0	0	0	165	260	0	425	0	169	33	0	202	0	1005
Hourly Total	245	1395	0	1640	0	0	0	0	640	964	0	1604	0	603	173	0	776	0	4020
2023-05-06 11:00AM	38	295	0	333	0	0	0	0	135	186	0	321	0	174	43	0	217	0	871
11:15AM	44	306	0	350	0	0	0	0	170	207	0	377	0	191	41	0	232	0	959
11:30AM	23	265	0	288	0	0	0	0	161	212	0	373	0	174	40	0	214	0	875
11:45AM	44	317	0	361	0	0	0	0	157	238	0	395	0	171	49	0	220	0	976
Hourly Total	149	1183	0	1332	0	0	0	0	623	843	0	1466	0	710	173	0	883	0	3681
12:00PM	39	293	0	332	0	0	0	0	138	232	0	370	0	179	51	0	230	1	932
12:15PM	43	321	0	364	0	0	0	0	175	256	0	431	0	169	48	0	217	0	1012
12:30PM	34	306	0	340	0	0	0	0	187	243	0	430	0	146	44	0	190	0	960
12:45PM	33	346	0	379	0	0	0	0	178	248	0	426	0	182	42	0	224	0	1029
Hourly Total	149	1266	0	1415	0	0	0	0	678	979	0	1657	0	676	185	0	861	1	3933
1:00PM	46	353	0	399	0	0	0	0	185	296	0	481	0	163	40	0	203	0	1083
1:15PM	38	302	0	340	0	0	0	0	212	261	0	473	0	188	41	0	229	0	1042
1:30PM	39	294	0	333	0	0	0	0	203	290	0	493	0	172	41	0	213	0	1039
1:45PM	32	313	0	345	0	0	0	0	183	279	0	462	0	186	33	0	219	0	1026
Hourly Total	155	1262	0	1417	0	0	0	0	783	1126	0	1909	0	709	155	0	864	0	4190
Total	1291	9585	0	10876	0	0	0	1	5252	8811	0	14063	0	4880	1927	0	6807	2	31746
% Approach	11.9%	88.1%	0%	-	-	0%	-	-	37.3%	62.7%	0%	-	-	71.7%	28.3%	0%	-	-	-
% Total	4.1%	30.2%	0%	34.3%	-	0%	0%	-	16.5%	27.8%	0%	44.3%	-	15.4%	6.1%	0%	21.4%	-	-
Motorcycles	2	20	0	22	-	0	0	-	9	13	0	22	-	10	3	0	13	-	57
% Motorcycles	0.2%	0.2%	0%	0.2%	-	0%	-	-	0.2%	0.1%	0%	0.2%	-	0.2%	0.2%	0%	0.2%	-	0.2%
Lights	1260	9314	0	10574	-	0	0	-	5102	8534	0	13636	-	4727	1843	0	6570	-	30780
% Lights	97.6%	97.2%	0%	97.2%	-	0%	-	-	97.1%	96.9%	0%	97.0%	-	96.9%	95.6%	0%	96.5%	-	97.0%

Leg Direction	Granite Street (Route 37) Southbound					I-93 NB Onramp Westbound			Granite Street (Route 37) Northbound					I-93 NB Ramps Eastbound					
Time	R	T	U	App	Ped*	L	App	Ped*	R	T	U	App	Ped*	R	L	U	App	Ped*	Int
Single-Unit Trucks	24	108	0	132	-	0	0	-	71	145	0	216	-	82	62	0	144	-	492
% Single-Unit Trucks	1.9%	1.1%	0%	1.2%	-	0%	-	-	1.4%	1.6%	0%	1.5%	-	1.7%	3.2%	0%	2.1%	-	1.5%
Articulated Trucks	4	44	0	48	-	0	0	-	29	68	0	97	-	54	16	0	70	-	215
% Articulated Trucks	0.3%	0.5%	0%	0.4%	-	0%	-	-	0.6%	0.8%	0%	0.7%	-	1.1%	0.8%	0%	1.0%	-	0.7%
Buses	1	96	0	97	-	0	0	-	41	47	0	88	-	7	3	0	10	-	195
% Buses	0.1%	1.0%	0%	0.9%	-	0%	-	-	0.8%	0.5%	0%	0.6%	-	0.1%	0.2%	0%	0.1%	-	0.6%
Bicycles on Road	0	3	0	3	-	0	0	-	0	4	0	4	-	0	0	0	0	-	7
% Bicycles on Road	0%	0%	0%	0%	-	0%	-	-	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	1	-	-	-	-	0	-	-	-	-	-	2
% Pedestrians	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	0	-	-	0	-	-	-	-	0	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	0%

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

239319 (3) Granite @ 93 NB Ramps TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065003, Location: 42.221729, -71.029891

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound					I-93 NB Onramp Westbound				Granite Street (Route 37) Northbound					I-93 NB Ramps Eastbound					
Time	R	T	U	App	Ped*	L	App	Ped*	R	T	U	App	Ped*	R	L	U	App	Ped*	Int	
2023-05-04 7:45AM	29	159	0	188	0	0	0	0	143	358	0	501	0	114	116	0	230	0	919	
8:00AM	19	158	0	177	0	0	0	1	157	364	0	521	0	88	94	0	182	0	880	
8:15AM	28	181	0	209	0	0	0	0	119	303	0	422	0	101	127	0	228	0	859	
8:30AM	32	175	0	207	0	0	0	0	97	322	0	419	0	133	133	0	266	0	892	
Total	108	673	0	781	0	0	0	1	516	1347	0	1863	0	436	470	0	906	0	3550	
% Approach	13.8%	86.2%	0%	-	-	0%	-	-	27.7%	72.3%	0%	-	-	48.1%	51.9%	0%	-	-	-	
% Total	3.0%	19.0%	0%	22.0%	-	0%	0%	-	14.5%	37.9%	0%	52.5%	-	12.3%	13.2%	0%	25.5%	-	-	
PHF	0.844	0.930	-	0.934	-	-	-	-	0.822	0.925	-	0.894	-	0.820	0.883	-	0.852	-	0.966	
Motorcycles	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%	
Lights	99	627	0	726	-	0	0	-	487	1283	0	1770	-	408	447	0	855	-	3351	
% Lights	91.7%	93.2%	0%	93.0%	-	0%	-	-	94.4%	95.2%	0%	95.0%	-	93.6%	95.1%	0%	94.4%	-	94.4%	
Single-Unit Trucks	7	17	0	24	-	0	0	-	21	48	0	69	-	17	20	0	37	-	130	
% Single-Unit Trucks	6.5%	2.5%	0%	3.1%	-	0%	-	-	4.1%	3.6%	0%	3.7%	-	3.9%	4.3%	0%	4.1%	-	3.7%	
Articulated Trucks	2	6	0	8	-	0	0	-	6	9	0	15	-	11	3	0	14	-	37	
% Articulated Trucks	1.9%	0.9%	0%	1.0%	-	0%	-	-	1.2%	0.7%	0%	0.8%	-	2.5%	0.6%	0%	1.5%	-	1.0%	
Buses	0	23	0	23	-	0	0	-	2	7	0	9	-	0	0	0	0	-	32	
% Buses	0%	3.4%	0%	2.9%	-	0%	-	-	0.4%	0.5%	0%	0.5%	-	0%	0%	0%	0%	-	0.9%	
Bicycles on Road	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%	
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

239319 (3) Granite @ 93 NB Ramps TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:45PM - 5:45 PM)

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

All Movements

ID: 1065003, Location: 42.221729, -71.029891

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound					I-93 NB Onramp Westbound			Granite Street (Route 37) Northbound					I-93 NB Ramps Eastbound					
Time	R	T	U	App	Ped*	L	App	Ped*	R	T	U	App	Ped*	R	L	U	App	Ped*	Int
2023-05-04 4:45PM	60	398	0	458	0	0	0	0	172	220	0	392	0	133	41	0	174	0	1024
5:00PM	85	351	0	436	0	0	0	0	159	216	0	375	0	155	53	0	208	0	1019
5:15PM	67	352	0	419	0	0	0	0	170	254	0	424	0	128	42	0	170	0	1013
5:30PM	48	359	0	407	0	0	0	0	146	234	0	380	0	151	45	0	196	0	983
Total	260	1460	0	1720	0	0	0	0	647	924	0	1571	0	567	181	0	748	0	4039
% Approach	15.1%	84.9%	0%	-	-	0%	-	-	41.2%	58.8%	0%	-	-	75.8%	24.2%	0%	-	-	-
% Total	6.4%	36.1%	0%	42.6%	-	0%	0%	-	16.0%	22.9%	0%	38.9%	-	14.0%	4.5%	0%	18.5%	-	-
PHF	0.765	0.917	-	0.939	-	-	-	-	0.940	0.909	-	0.926	-	0.915	0.854	-	0.899	-	0.986
Motorcycles	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%
Lights	258	1422	0	1680	-	0	0	-	638	911	0	1549	-	551	177	0	728	-	3957
% Lights	99.2%	97.4%	0%	97.7%	-	0%	-	-	98.6%	98.6%	0%	98.6%	-	97.2%	97.8%	0%	97.3%	-	98.0%
Single-Unit Trucks	1	14	0	15	-	0	0	-	4	8	0	12	-	7	4	0	11	-	38
% Single-Unit Trucks	0.4%	1.0%	0%	0.9%	-	0%	-	-	0.6%	0.9%	0%	0.8%	-	1.2%	2.2%	0%	1.5%	-	0.9%
Articulated Trucks	0	7	0	7	-	0	0	-	3	3	0	6	-	8	0	0	8	-	21
% Articulated Trucks	0%	0.5%	0%	0.4%	-	0%	-	-	0.5%	0.3%	0%	0.4%	-	1.4%	0%	0%	1.1%	-	0.5%
Buses	1	17	0	18	-	0	0	-	2	2	0	4	-	1	0	0	1	-	23
% Buses	0.4%	1.2%	0%	1.0%	-	0%	-	-	0.3%	0.2%	0%	0.3%	-	0.2%	0%	0%	0.1%	-	0.6%
Bicycles on Road	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%
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

239319 (3) Granite @ 93 NB Ramps TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:45PM - 1:45 PM) - Overall Peak Hour

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

All Movements

ID: 1065003, Location: 42.221729, -71.029891

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound					I-93 NB Onramp Westbound			Granite Street (Route 37) Northbound					I-93 NB Ramps Eastbound					
Time	R	T	U	App	Ped*	L	App	Ped*	R	T	U	App	Ped*	R	L	U	App	Ped*	Int
2023-05-06 12:45PM	33	346	0	379	0	0	0	0	178	248	0	426	0	182	42	0	224	0	1029
1:00PM	46	353	0	399	0	0	0	0	185	296	0	481	0	163	40	0	203	0	1083
1:15PM	38	302	0	340	0	0	0	0	212	261	0	473	0	188	41	0	229	0	1042
1:30PM	39	294	0	333	0	0	0	0	203	290	0	493	0	172	41	0	213	0	1039
Total	156	1295	0	1451	0	0	0	0	778	1095	0	1873	0	705	164	0	869	0	4193
% Approach	10.8%	89.2%	0%	-	-	0%	-	-	41.5%	58.5%	0%	-	-	81.1%	18.9%	0%	-	-	-
% Total	3.7%	30.9%	0%	34.6%	-	0%	0%	-	18.6%	26.1%	0%	44.7%	-	16.8%	3.9%	0%	20.7%	-	-
PHF	0.848	0.916	-	0.909	-	-	-	-	0.917	0.922	-	0.952	-	0.938	0.976	-	0.949	-	0.967
Motorcycles	0	4	0	4	-	0	0	-	0	5	0	5	-	0	1	0	1	-	10
% Motorcycles	0%	0.3%	0%	0.3%	-	0%	-	-	0%	0.5%	0%	0.3%	-	0%	0.6%	0%	0.1%	-	0.2%
Lights	155	1270	0	1425	-	0	0	-	768	1080	0	1848	-	701	162	0	863	-	4136
% Lights	99.4%	98.1%	0%	98.2%	-	0%	-	-	98.7%	98.6%	0%	98.7%	-	99.4%	98.8%	0%	99.3%	-	98.6%
Single-Unit Trucks	1	11	0	12	-	0	0	-	3	2	0	5	-	1	1	0	2	-	19
% Single-Unit Trucks	0.6%	0.8%	0%	0.8%	-	0%	-	-	0.4%	0.2%	0%	0.3%	-	0.1%	0.6%	0%	0.2%	-	0.5%
Articulated Trucks	0	2	0	2	-	0	0	-	1	1	0	2	-	1	0	0	1	-	5
% Articulated Trucks	0%	0.2%	0%	0.1%	-	0%	-	-	0.1%	0.1%	0%	0.1%	-	0.1%	0%	0%	0.1%	-	0.1%
Buses	0	7	0	7	-	0	0	-	6	4	0	10	-	2	0	0	2	-	19
% Buses	0%	0.5%	0%	0.5%	-	0%	-	-	0.8%	0.4%	0%	0.5%	-	0.3%	0%	0%	0.2%	-	0.5%
Bicycles on Road	0	1	0	1	-	0	0	-	0	3	0	3	-	0	0	0	0	-	4
% Bicycles on Road	0%	0.1%	0%	0.1%	-	0%	-	-	0%	0.3%	0%	0.2%	-	0%	0%	0%	0%	-	0.1%
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

239319 (3) Granite @ 93 NB Ramps TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065003, Location: 42.221729, -71.029891

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound					I-93 NB Onramp Westbound			Granite Street (Route 37) Northbound					I-93 NB Ramps Eastbound					
Time	R	T	U	App	Ped*	L	App	Ped*	R	T	U	App	Ped*	R	L	U	App	Ped*	Int
2023-05-06 1:00PM	46	353	0	399	0	0	0	0	185	296	0	481	0	163	40	0	203	0	1083
1:15PM	38	302	0	340	0	0	0	0	212	261	0	473	0	188	41	0	229	0	1042
1:30PM	39	294	0	333	0	0	0	0	203	290	0	493	0	172	41	0	213	0	1039
1:45PM	32	313	0	345	0	0	0	0	183	279	0	462	0	186	33	0	219	0	1026
Total	155	1262	0	1417	0	0	0	0	783	1126	0	1909	0	709	155	0	864	0	4190
% Approach	10.9%	89.1%	0%	-	-	0%	-	-	41.0%	59.0%	0%	-	-	82.1%	17.9%	0%	-	-	-
% Total	3.7%	30.1%	0%	33.8%	-	0%	0%	-	18.7%	26.9%	0%	45.6%	-	16.9%	3.7%	0%	20.6%	-	-
PHF	0.842	0.893	-	0.887	-	-	-	-	0.923	0.948	-	0.970	-	0.943	0.945	-	0.943	-	0.966
Motorcycles	1	4	0	5	-	0	0	-	2	7	0	9	-	0	0	0	0	-	14
% Motorcycles	0.6%	0.3%	0%	0.4%	-	0%	-	-	0.3%	0.6%	0%	0.5%	-	0%	0%	0%	0%	-	0.3%
Lights	154	1242	0	1396	-	0	0	-	770	1111	0	1881	-	703	153	0	856	-	4133
% Lights	99.4%	98.4%	0%	98.5%	-	0%	-	-	98.3%	98.7%	0%	98.5%	-	99.2%	98.7%	0%	99.1%	-	98.6%
Single-Unit Trucks	0	7	0	7	-	0	0	-	3	2	0	5	-	1	2	0	3	-	15
% Single-Unit Trucks	0%	0.6%	0%	0.5%	-	0%	-	-	0.4%	0.2%	0%	0.3%	-	0.1%	1.3%	0%	0.3%	-	0.4%
Articulated Trucks	0	1	0	1	-	0	0	-	1	0	0	1	-	3	0	0	3	-	5
% Articulated Trucks	0%	0.1%	0%	0.1%	-	0%	-	-	0.1%	0%	0%	0.1%	-	0.4%	0%	0%	0.3%	-	0.1%
Buses	0	7	0	7	-	0	0	-	7	3	0	10	-	2	0	0	2	-	19
% Buses	0%	0.6%	0%	0.5%	-	0%	-	-	0.9%	0.3%	0%	0.5%	-	0.3%	0%	0%	0.2%	-	0.5%
Bicycles on Road	0	1	0	1	-	0	0	-	0	3	0	3	-	0	0	0	0	-	4
% Bicycles on Road	0%	0.1%	0%	0.1%	-	0%	-	-	0%	0.3%	0%	0.2%	-	0%	0%	0%	0%	-	0.1%
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

Leg Direction	Granite Street (Route 37) Southbound					Forbes Road Westbound					Granite Street (Route 37) Northbound					Forbes 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
% Pedestrians	-	-	-	-	- 100%	-	-	-	-	- 66.7%	-	-	-	-	- 100%	-	-	-	-	- 100%	-
Bicycles on Crosswalk	-	-	-	-	- 0	-	-	-	-	- 1	-	-	-	-	- 0	-	-	-	-	- 0	-
% Bicycles on Crosswalk	-	-	-	-	- 0%	-	-	-	-	- 33.3%	-	-	-	-	- 0%	-	-	-	-	- 0%	-

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

239319 (4) Granite Street & Forbes Road TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065004, Location: 42.220493, -71.028199

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound					Forbes Road Westbound					Granite Street (Route 37) Northbound					Forbes 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*					
2023-05-04 7:45AM	57	195	10	0	262	0	69	17	8	0	94	0	0	364	17	0	381	0	6	3	81	0	90	0	827
8:00AM	44	188	16	0	248	0	78	23	4	0	105	0	5	326	21	0	352	0	11	7	80	0	98	0	803
8:15AM	63	199	15	0	277	0	51	12	4	0	67	0	6	303	16	0	325	0	7	13	63	0	83	0	752
8:30AM	61	214	18	0	293	0	56	13	6	0	75	0	8	269	25	0	302	0	7	4	51	0	62	0	732
Total	225	796	59	0	1080	0	254	65	22	0	341	0	19	1262	79	0	1360	0	31	27	275	0	333	0	3114
% Approach	20.8%	73.7%	5.5%	0%	-	-	74.5%	19.1%	6.5%	0%	-	-	1.4%	92.8%	5.8%	0%	-	-	9.3%	8.1%	82.6%	0%	-	-	-
% Total	7.2%	25.6%	1.9%	0%	34.7%	-	8.2%	2.1%	0.7%	0%	11.0%	-	0.6%	40.5%	2.5%	0%	43.7%	-	1.0%	0.9%	8.8%	0%	10.7%	-	-
PHF	0.893	0.930	0.819	-	0.922	-	0.814	0.707	0.688	-	0.812	-	0.594	0.867	0.790	-	0.892	-	0.705	0.519	0.849	-	0.849	-	0.941
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	213	735	58	0	1006	-	251	63	21	0	335	-	18	1190	78	0	1286	-	30	27	263	0	320	-	2947
% Lights	94.7%	92.3%	98.3%	0%	93.1%	-	98.8%	96.9%	95.5%	0%	98.2%	-	94.7%	94.3%	98.7%	0%	94.6%	-	96.8%	100%	95.6%	0%	96.1%	-	94.6%
Single-Unit Trucks	7	30	0	0	37	-	2	2	0	0	4	-	1	55	1	0	57	-	1	0	8	0	9	-	107
% Single-Unit Trucks	3.1%	3.8%	0%	0%	3.4%	-	0.8%	3.1%	0%	0%	1.2%	-	5.3%	4.4%	1.3%	0%	4.2%	-	3.2%	0%	2.9%	0%	2.7%	-	3.4%
Articulated Trucks	2	13	0	0	15	-	0	0	0	0	0	-	0	13	0	0	13	-	0	0	1	0	1	-	29
% Articulated Trucks	0.9%	1.6%	0%	0%	1.4%	-	0%	0%	0%	0%	0%	-	0%	1.0%	0%	0%	1.0%	-	0%	0%	0.4%	0%	0.3%	-	0.9%
Buses	3	18	1	0	22	-	1	0	1	0	2	-	0	4	0	0	4	-	0	0	3	0	3	-	31
% Buses	1.3%	2.3%	1.7%	0%	2.0%	-	0.4%	0%	4.5%	0%	0.6%	-	0%	0.3%	0%	0%	0.3%	-	0%	0%	1.1%	0%	0.9%	-	1.0%
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%
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

239319 (4) Granite Street & Forbes Road TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:45PM - 5:45 PM)

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

All Movements

ID: 1065004, Location: 42.220493, -71.028199

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound							Forbes Road Westbound							Granite Street (Route 37) Northbound							Forbes 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*		
2023-05-04 4:45PM	91	340	99	0	530	0		88	22	15	1	126	0		10	231	30	0	271	0		13	22	72	0	107	0		1034
5:00PM	79	329	92	1	501	0		75	25	8	0	108	0		17	219	23	0	259	0		31	30	66	0	127	0		995
5:15PM	70	322	94	0	486	0		90	21	13	0	124	1		11	223	28	0	262	0		22	16	71	0	109	0		981
5:30PM	95	329	83	0	507	0		90	28	7	0	125	0		21	219	33	0	273	0		20	17	56	0	93	0		998
Total	335	1320	368	1	2024	0		343	96	43	1	483	1		59	892	114	0	1065	0		86	85	265	0	436	0		4008
% Approach	16.6%	65.2%	18.2%	0%	-	-		71.0%	19.9%	8.9%	0.2%	-	-	5.5%	83.8%	10.7%	0%	-	-	19.7%	19.5%	60.8%	0%	-	-	-	-		
% Total	8.4%	32.9%	9.2%	0%	50.5%	-		8.6%	2.4%	1.1%	0%	12.1%	-	1.5%	22.3%	2.8%	0%	26.6%	-	2.1%	2.1%	6.6%	0%	10.9%	-	-	-		
PHF	0.882	0.971	0.929	0.250	0.955	-		0.953	0.857	0.717	0.250	0.958	-	0.702	0.965	0.864	-	0.975	-	0.694	0.708	0.920	-	0.858	-	0.969			
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	328	1281	365	1	1975	-		341	96	43	1	481	-	59	878	114	0	1051	-	86	85	260	0	431	-	3938			
% Lights	97.9%	97.0%	99.2%	100%	97.6%	-		99.4%	100%	100%	100%	99.6%	-	100%	98.4%	100%	0%	98.7%	-	100%	100%	98.1%	0%	98.9%	-	98.3%			
Single-Unit Trucks	3	11	2	0	16	-		2	0	0	0	2	-	0	7	0	0	7	-	0	0	2	0	2	-	27			
% Single-Unit Trucks	0.9%	0.8%	0.5%	0%	0.8%	-		0.6%	0%	0%	0%	0.4%	-	0%	0.8%	0%	0%	0.7%	-	0%	0%	0.8%	0%	0.5%	-	0.7%			
Articulated Trucks	1	16	0	0	17	-		0	0	0	0	0	-	0	4	0	0	4	-	0	0	1	0	1	-	22			
% Articulated Trucks	0.3%	1.2%	0%	0%	0.8%	-		0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.4%	-	0%	0%	0.4%	0%	0.2%	-	0.5%			
Buses	3	12	1	0	16	-		0	0	0	0	0	-	0	3	0	0	3	-	0	0	2	0	2	-	21			
% Buses	0.9%	0.9%	0.3%	0%	0.8%	-		0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.3%	-	0%	0%	0.8%	0%	0.5%	-	0.5%			
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

239319 (4) Granite Street & Forbes Road TMC - TMC

Sat May 6, 2023

Midday Peak (WKND), PM Peak (WKND) (May 06 2023 1PM - 2 PM) - Overall Peak Hour

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

All Movements

ID: 1065004, Location: 42.220493, -71.028199

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						Forbes Road Westbound						Granite Street (Route 37) Northbound						Forbes 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*	
2023-05-06 1:00PM	58	306	131	0	495	0	140	14	17	0	171	0	21	291	23	0	335	0	23	18	60	0	101	0	1102
1:15PM	54	280	145	0	479	0	148	19	8	0	175	1	13	262	27	0	302	0	29	13	67	0	109	0	1065
1:30PM	65	294	138	0	497	0	124	19	14	0	157	0	18	306	28	0	352	0	21	21	65	0	107	0	1113
1:45PM	72	304	135	0	511	0	153	22	15	0	190	0	8	254	37	0	299	0	13	13	49	0	75	0	1075
Total	249	1184	549	0	1982	0	565	74	54	0	693	1	60	1113	115	0	1288	0	86	65	241	0	392	0	4355
% Approach	12.6%	59.7%	27.7%	0%	-	-	81.5%	10.7%	7.8%	0%	-	-	4.7%	86.4%	8.9%	0%	-	-	21.9%	16.6%	61.5%	0%	-	-	-
% Total	5.7%	27.2%	12.6%	0%	45.5%	-	13.0%	1.7%	1.2%	0%	15.9%	-	1.4%	25.6%	2.6%	0%	29.6%	-	2.0%	1.5%	5.5%	0%	9.0%	-	-
PHF	0.861	0.967	0.947	-	0.969	-	0.923	0.841	0.794	-	0.912	-	0.714	0.914	0.777	-	0.919	-	0.741	0.774	0.899	-	0.899	-	0.979
Motorcycles	0	2	0	0	2	-	2	0	0	0	2	-	0	6	0	0	6	-	0	0	2	0	2	-	12
% Motorcycles	0%	0.2%	0%	0%	0.1%	-	0.4%	0%	0%	0%	0.3%	-	0%	0.5%	0%	0%	0.5%	-	0%	0%	0.8%	0%	0.5%	-	0.3%
Lights	245	1166	546	0	1957	-	561	74	54	0	689	-	58	1093	115	0	1266	-	85	65	237	0	387	-	4299
% Lights	98.4%	98.5%	99.5%	0%	98.7%	-	99.3%	100%	100%	0%	99.4%	-	96.7%	98.2%	100%	0%	98.3%	-	98.8%	100%	98.3%	0%	98.7%	-	98.7%
Single-Unit Trucks	0	5	3	0	8	-	1	0	0	0	1	-	0	3	0	0	3	-	1	0	0	0	1	-	13
% Single-Unit Trucks	0%	0.4%	0.5%	0%	0.4%	-	0.2%	0%	0%	0%	0.1%	-	0%	0.3%	0%	0%	0.2%	-	1.2%	0%	0%	0%	0.3%	-	0.3%
Articulated Trucks	0	5	0	0	5	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	7
% Articulated Trucks	0%	0.4%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.2%
Buses	3	6	0	0	9	-	1	0	0	0	1	-	2	7	0	0	9	-	0	0	2	0	2	-	21
% Buses	1.2%	0.5%	0%	0%	0.5%	-	0.2%	0%	0%	0%	0.1%	-	3.3%	0.6%	0%	0%	0.7%	-	0%	0%	0.8%	0%	0.5%	-	0.5%
Bicycles on Road	1	0	0	0	1	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	3
% Bicycles on Road	0.4%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Leg Direction	Granite Street (Route 37) Southbound						South Shore Plaza Road Westbound						Granite Street (Route 37) Northbound						Driveway 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
Buses	0	77	3	1	81	-	16	0	23	0	39	-	0	50	0	0	50	-	0	0	0	0	0	-	170
% Buses	0%	1.0%	0.1%	1.0%	0.8%	-	0.8%	0%	2.4%	0%	1.3%	-	0%	0.6%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0.7%
Bicycles on Road	0	1	0	0	1	-	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	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%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	7	-	-	-	-	-	11	
% 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

239319 (5) Granite @ South Shore Plaza TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065005, Location: 42.218519, -71.025707

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						South Shore Plaza Road Westbound						Granite Street (Route 37) Northbound						Driveway 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*	
2023-05-04 7:45AM	0	193	29	1	223	0	6	0	2	0	8	0	10	340	0	0	350	0	0	0	0	0	0	0	581
8:00AM	0	169	27	1	197	0	14	0	6	0	20	0	16	369	0	0	385	0	0	0	0	0	0	0	602
8:15AM	0	178	33	2	213	0	11	0	9	0	20	0	14	305	0	0	319	0	0	0	0	0	0	1	552
8:30AM	0	185	42	2	229	0	10	0	9	0	19	1	16	335	0	0	351	1	0	0	0	0	0	0	599
Total	0	725	131	6	862	0	41	0	26	0	67	1	56	1349	0	0	1405	1	0	0	0	0	0	1	2334
% Approach	0%	84.1%	15.2%	0.7%	-	-	61.2%	0%	38.8%	0%	-	-	4.0%	96.0%	0%	0%	-	-	0%	0%	0%	0%	-	-	-
% Total	0%	31.1%	5.6%	0.3%	36.9%	-	1.8%	0%	1.1%	0%	2.9%	-	2.4%	57.8%	0%	0%	60.2%	-	0%	0%	0%	0%	0%	-	-
PHF	-	0.939	0.780	0.750	0.941	-	0.732	-	0.722	-	0.838	-	0.875	0.914	-	-	0.912	-	-	-	-	-	-	-	0.969
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%
Lights	0	666	128	6	800	-	37	0	22	0	59	-	53	1281	0	0	1334	-	0	0	0	0	0	-	2193
% Lights	0%	91.9%	97.7%	100%	92.8%	-	90.2%	0%	84.6%	0%	88.1%	-	94.6%	95.0%	0%	0%	94.9%	-	0%	0%	0%	0%	-	-	94.0%
Single-Unit Trucks	0	27	2	0	29	-	1	0	2	0	3	-	3	54	0	0	57	-	0	0	0	0	0	-	89
% Single-Unit Trucks	0%	3.7%	1.5%	0%	3.4%	-	2.4%	0%	7.7%	0%	4.5%	-	5.4%	4.0%	0%	0%	4.1%	-	0%	0%	0%	0%	-	-	3.8%
Articulated Trucks	0	13	1	0	14	-	0	0	0	0	0	-	0	12	0	0	12	-	0	0	0	0	0	-	26
% Articulated Trucks	0%	1.8%	0.8%	0%	1.6%	-	0%	0%	0%	0%	0%	-	0%	0.9%	0%	0%	0.9%	-	0%	0%	0%	0%	-	-	1.1%
Buses	0	19	0	0	19	-	3	0	2	0	5	-	0	2	0	0	2	-	0	0	0	0	0	-	26
% Buses	0%	2.6%	0%	0%	2.2%	-	7.3%	0%	7.7%	0%	7.5%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	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	-	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	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	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

239319 (5) Granite @ South Shore Plaza TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 5PM - 6 PM)

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

All Movements

ID: 1065005, Location: 42.218519, -71.025707

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						South Shore Plaza Road Westbound						Granite Street (Route 37) Northbound						Driveway 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*	
2023-05-04 5:00PM	0	294	87	7	388	0	58	0	46	0	104	0	33	221	0	0	254	0	0	0	0	0	0	0	746
5:15PM	0	275	67	7	349	0	96	0	40	1	137	0	41	188	0	0	229	0	0	0	0	0	0	0	715
5:30PM	0	287	83	1	371	0	72	0	33	0	105	0	36	183	0	0	219	0	0	0	0	0	0	0	695
5:45PM	0	264	92	2	358	0	64	0	42	0	106	0	31	184	0	0	215	0	0	0	0	0	0	0	679
Total	0	1120	329	17	1466	0	290	0	161	1	452	0	141	776	0	0	917	0	0	0	0	0	0	0	2835
% Approach	0%	76.4%	22.4%	1.2%	-	-	64.2%	0%	35.6%	0.2%	-	-	15.4%	84.6%	0%	0%	-	-	0%	0%	0%	0%	-	-	-
% Total	0%	39.5%	11.6%	0.6%	51.7%	-	10.2%	0%	5.7%	0%	15.9%	-	5.0%	27.4%	0%	0%	32.3%	-	0%	0%	0%	0%	0%	-	-
PHF	-	0.952	0.894	0.607	0.945	-	0.755	-	0.875	0.250	0.825	-	0.860	0.878	-	-	0.903	-	-	-	-	-	-	-	0.950
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%
Lights	0	1082	327	17	1426	-	289	0	156	1	446	-	140	759	0	0	899	-	0	0	0	0	0	-	2771
% Lights	0%	96.6%	99.4%	100%	97.3%	-	99.7%	0%	96.9%	100%	98.7%	-	99.3%	97.8%	0%	0%	98.0%	-	0%	0%	0%	0%	-	-	97.7%
Single-Unit Trucks	0	6	0	0	6	-	0	0	0	0	0	-	1	9	0	0	10	-	0	0	0	0	0	-	16
% Single-Unit Trucks	0%	0.5%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0.7%	1.2%	0%	0%	1.1%	-	0%	0%	0%	0%	-	-	0.6%
Articulated Trucks	0	17	0	0	17	-	0	0	0	0	0	-	0	7	0	0	7	-	0	0	0	0	0	-	24
% Articulated Trucks	0%	1.5%	0%	0%	1.2%	-	0%	0%	0%	0%	0%	-	0%	0.9%	0%	0%	0.8%	-	0%	0%	0%	0%	-	-	0.8%
Buses	0	15	2	0	17	-	1	0	5	0	6	-	0	1	0	0	1	-	0	0	0	0	0	-	24
% Buses	0%	1.3%	0.6%	0%	1.2%	-	0.3%	0%	3.1%	0%	1.3%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	-	0.8%
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	-	-	-	-	-	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

239319 (5) Granite @ South Shore Plaza TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:45PM - 1:45 PM) - Overall Peak Hour

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

All Movements

ID: 1065005, Location: 42.218519, -71.025707

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						South Shore Plaza Road Westbound						Granite Street (Route 37) Northbound						Driveway 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*	
2023-05-06 12:45PM	0	198	154	2	354	0	97	0	42	0	139	0	83	187	0	1	271	3	0	0	0	0	0	3	764
1:00PM	0	213	127	4	344	0	94	0	39	1	134	0	54	214	0	0	268	0	0	0	0	0	0	0	746
1:15PM	0	156	160	3	319	0	104	0	43	1	148	0	67	206	0	0	273	1	0	0	0	0	0	0	740
1:30PM	0	185	144	4	333	0	122	0	44	0	166	0	62	191	0	0	253	0	0	0	0	0	0	0	752
Total	0	752	585	13	1350	0	417	0	168	2	587	0	266	798	0	1	1065	4	0	0	0	0	0	3	3002
% Approach	0%	55.7%	43.3%	1.0%	-	-	71.0%	0%	28.6%	0.3%	-	-	25.0%	74.9%	0%	0.1%	-	-	0%	0%	0%	0%	-	-	-
% Total	0%	25.0%	19.5%	0.4%	45.0%	-	13.9%	0%	5.6%	0.1%	19.6%	-	8.9%	26.6%	0%	0%	35.5%	-	0%	0%	0%	0%	0%	-	-
PHF	-	0.883	0.914	0.813	0.953	-	0.855	-	0.955	0.500	0.884	-	0.801	0.929	-	0.250	0.973	-	-	-	-	-	-	-	0.983
Motorcycles	0	2	0	0	2	-	2	0	1	0	3	-	0	3	0	0	3	-	0	0	0	0	0	-	8
% Motorcycles	0%	0.3%	0%	0%	0.1%	-	0.5%	0%	0.6%	0%	0.5%	-	0%	0.4%	0%	0%	0.3%	-	0%	0%	0%	0%	-	-	0.3%
Lights	0	735	585	12	1332	-	412	0	164	2	578	-	264	781	0	1	1046	-	0	0	0	0	0	-	2956
% Lights	0%	97.7%	100%	92.3%	98.7%	-	98.8%	0%	97.6%	100%	98.5%	-	99.2%	97.9%	0%	100%	98.2%	-	0%	0%	0%	0%	-	-	98.5%
Single-Unit Trucks	0	6	0	0	6	-	1	0	0	0	1	-	2	3	0	0	5	-	0	0	0	0	0	-	12
% Single-Unit Trucks	0%	0.8%	0%	0%	0.4%	-	0.2%	0%	0%	0%	0.2%	-	0.8%	0.4%	0%	0%	0.5%	-	0%	0%	0%	0%	-	-	0.4%
Articulated Trucks	0	4	0	0	4	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	6
% Articulated Trucks	0%	0.5%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0.2%
Buses	0	5	0	1	6	-	2	0	3	0	5	-	0	6	0	0	6	-	0	0	0	0	0	-	17
% Buses	0%	0.7%	0%	7.7%	0.4%	-	0.5%	0%	1.8%	0%	0.9%	-	0%	0.8%	0%	0%	0.6%	-	0%	0%	0%	0%	-	-	0.6%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	3
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.3%	-	0%	0%	0%	0%	-	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	4	-	-	-	-	-	3	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	0%	-

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

239319 (5) Granite @ South Shore Plaza TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065005, Location: 42.218519, -71.025707

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						South Shore Plaza Road Westbound						Granite Street (Route 37) Northbound						Driveway 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*	
2023-05-06 1:00PM	0	213	127	4	344	0	94	0	39	1	134	0	54	214	0	0	268	0	0	0	0	0	0	0	746
1:15PM	0	156	160	3	319	0	104	0	43	1	148	0	67	206	0	0	273	1	0	0	0	0	0	0	740
1:30PM	0	185	144	4	333	0	122	0	44	0	166	0	62	191	0	0	253	0	0	0	0	0	0	0	752
1:45PM	0	172	142	6	320	0	104	0	48	0	152	0	58	199	0	0	257	0	0	0	0	0	0	0	729
Total	0	726	573	17	1316	0	424	0	174	2	600	0	241	810	0	0	1051	1	0	0	0	0	0	0	2967
% Approach	0%	55.2%	43.5%	1.3%	-	-	70.7%	0%	29.0%	0.3%	-	-	22.9%	77.1%	0%	0%	-	-	0%	0%	0%	0%	-	-	-
% Total	0%	24.5%	19.3%	0.6%	44.4%	-	14.3%	0%	5.9%	0.1%	20.2%	-	8.1%	27.3%	0%	0%	35.4%	-	0%	0%	0%	0%	0%	-	-
PHF	-	0.852	0.895	0.708	0.956	-	0.869	-	0.906	0.500	0.904	-	0.899	0.944	-	-	0.961	-	-	-	-	-	-	-	0.988
Motorcycles	0	2	0	0	2	-	1	0	0	0	1	-	0	5	0	0	5	-	0	0	0	0	0	-	8
% Motorcycles	0%	0.3%	0%	0%	0.2%	-	0.2%	0%	0%	0%	0.2%	-	0%	0.6%	0%	0%	0.5%	-	0%	0%	0%	0%	-	-	0.3%
Lights	0	712	573	16	1301	-	420	0	172	2	594	-	239	792	0	0	1031	-	0	0	0	0	0	-	2926
% Lights	0%	98.1%	100%	94.1%	98.9%	-	99.1%	0%	98.9%	100%	99.0%	-	99.2%	97.8%	0%	0%	98.1%	-	0%	0%	0%	0%	-	-	98.6%
Single-Unit Trucks	0	3	0	0	3	-	1	0	0	0	1	-	2	3	0	0	5	-	0	0	0	0	0	-	9
% Single-Unit Trucks	0%	0.4%	0%	0%	0.2%	-	0.2%	0%	0%	0%	0.2%	-	0.8%	0.4%	0%	0%	0.5%	-	0%	0%	0%	0%	-	-	0.3%
Articulated Trucks	0	4	0	0	4	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	6
% Articulated Trucks	0%	0.6%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0.2%
Buses	0	5	0	1	6	-	2	0	2	0	4	-	0	6	0	0	6	-	0	0	0	0	0	-	16
% Buses	0%	0.7%	0%	5.9%	0.5%	-	0.5%	0%	1.1%	0%	0.7%	-	0%	0.7%	0%	0%	0.6%	-	0%	0%	0%	0%	-	-	0.5%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	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

Leg Direction	Granite Street (Route 37) Southbound					South Shore Plaza Road Westbound					Granite Street (Route 37) Northbound					Kindercare Driveway 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					
Buses	0	83	16	0	99	-	1	0	1	0	2	-	23	53	0	0	76	-	0	0	0	0	0	-	177	
% Buses	0%	1.0%	8.2%	0%	1.2%	-	0.3%	0%	0.1%	0%	0.2%	-	2.0%	0.6%	0%	0%	0.7%	-	0%	0%	0%	0%	0%	-	0.9%	
Bicycles on Road	0	2	0	0	2	-	0	0	0	0	0	-	2	1	0	0	3	-	0	0	0	0	0	-	5	
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.2%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	6	-	-	-	-	-	0	-	-	-	-	-	7	-	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	66.7%	-	-	-	-	-	-	-	-	-	-	-	-	70.0%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	3	-	-	-	-	-	0	-	-	-	-	-	-	3	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	33.3%	-	-	-	-	-	-	-	-	-	-	-	-	30.0%	-

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

239319 (6) Granite @ Kindercare TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065009, Location: 42.214762, -71.022019

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound					South Shore Plaza Road Westbound					Granite Street (Route 37) Northbound					Kindercare Driveway 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*					
2023-05-04 7:45AM	1	182	8	0	191	0	2	0	3	0	5	0	36	383	6	0	425	0	2	0	5	0	7	0	628
8:00AM	5	169	11	0	185	0	0	0	2	0	2	0	33	352	3	0	388	0	1	0	3	0	4	0	579
8:15AM	3	172	9	0	184	0	2	1	13	0	16	0	37	306	3	0	346	0	1	2	6	0	9	0	555
8:30AM	4	166	17	0	187	0	6	0	8	0	14	0	38	315	5	0	358	0	2	1	2	0	5	1	564
Total	13	689	45	0	747	0	10	1	26	0	37	0	144	1356	17	0	1517	0	6	3	16	0	25	1	2326
% Approach	1.7%	92.2%	6.0%	0%	-	-	27.0%	2.7%	70.3%	0%	-	-	9.5%	89.4%	1.1%	0%	-	-	24.0%	12.0%	64.0%	0%	-	-	-
% Total	0.6%	29.6%	1.9%	0%	32.1%	-	0.4%	0%	1.1%	0%	1.6%	-	6.2%	58.3%	0.7%	0%	65.2%	-	0.3%	0.1%	0.7%	0%	1.1%	-	-
PHF	0.650	0.946	0.662	-	0.978	-	0.417	0.250	0.500	-	0.578	-	0.941	0.885	0.708	-	0.892	-	0.750	0.375	0.667	-	0.694	-	0.926
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	13	628	43	0	684	-	10	1	26	0	37	-	139	1283	17	0	1439	-	6	3	16	0	25	-	2185
% Lights	100%	91.1%	95.6%	0%	91.6%	-	100%	100%	100%	0%	100%	-	96.5%	94.6%	100%	0%	94.9%	-	100%	100%	100%	0%	100%	-	93.9%
Single-Unit Trucks	0	32	0	0	32	-	0	0	0	0	0	-	1	57	0	0	58	-	0	0	0	0	0	-	90
% Single-Unit Trucks	0%	4.6%	0%	0%	4.3%	-	0%	0%	0%	0%	0%	-	0.7%	4.2%	0%	0%	3.8%	-	0%	0%	0%	0%	0%	-	3.9%
Articulated Trucks	0	11	0	0	11	-	0	0	0	0	0	-	0	13	0	0	13	-	0	0	0	0	0	-	24
% Articulated Trucks	0%	1.6%	0%	0%	1.5%	-	0%	0%	0%	0%	0%	-	0%	1.0%	0%	0%	0.9%	-	0%	0%	0%	0%	0%	-	1.0%
Buses	0	18	2	0	20	-	0	0	0	0	0	-	3	3	0	0	6	-	0	0	0	0	0	-	26
% Buses	0%	2.6%	4.4%	0%	2.7%	-	0%	0%	0%	0%	0%	-	2.1%	0.2%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	1.1%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	1	0	0	0	1	-	0	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.7%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	
% 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

239319 (6) Granite @ Kindercare TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:30PM - 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: 1065009, Location: 42.214762, -71.022019

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound					South Shore Plaza Road Westbound					Granite Street (Route 37) Northbound					Kindercare Driveway 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*					
2023-05-04 4:30PM	7	334	4	0	345	0	20	0	27	0	47	0	35	187	5	0	227	0	2	0	4	0	6	1	625
4:45PM	8	297	3	0	308	0	28	1	38	0	67	1	22	218	7	0	247	0	6	0	6	0	12	0	634
5:00PM	7	318	4	0	329	0	28	0	41	0	69	0	30	207	4	0	241	0	7	0	12	0	19	0	658
5:15PM	7	353	0	0	360	0	16	0	33	0	49	0	40	222	3	0	265	0	4	1	5	0	10	0	684
Total	29	1302	11	0	1342	0	92	1	139	0	232	1	127	834	19	0	980	0	19	1	27	0	47	1	2601
% Approach	2.2%	97.0%	0.8%	0%	-	-	39.7%	0.4%	59.9%	0%	-	-	13.0%	85.1%	1.9%	0%	-	-	40.4%	2.1%	57.4%	0%	-	-	-
% Total	1.1%	50.1%	0.4%	0%	51.6%	-	3.5%	0%	5.3%	0%	8.9%	-	4.9%	32.1%	0.7%	0%	37.7%	-	0.7%	0%	1.0%	0%	1.8%	-	-
PHF	0.906	0.922	0.688	-	0.932	-	0.821	0.250	0.848	-	0.841	-	0.794	0.939	0.679	-	0.925	-	0.679	0.250	0.563	-	0.618	-	0.951
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	29	1241	9	0	1279	-	91	1	139	0	231	-	125	820	19	0	964	-	19	1	27	0	47	-	2521
% Lights	100%	95.3%	81.8%	0%	95.3%	-	98.9%	100%	100%	0%	99.6%	-	98.4%	98.3%	100%	0%	98.4%	-	100%	100%	100%	0%	100%	-	96.9%
Single-Unit Trucks	0	23	0	0	23	-	0	0	0	0	0	-	0	8	0	0	8	-	0	0	0	0	0	-	31
% Single-Unit Trucks	0%	1.8%	0%	0%	1.7%	-	0%	0%	0%	0%	0%	-	0%	1.0%	0%	0%	0.8%	-	0%	0%	0%	0%	0%	-	1.2%
Articulated Trucks	0	20	0	0	20	-	0	0	0	0	0	-	0	5	0	0	5	-	0	0	0	0	0	-	25
% Articulated Trucks	0%	1.5%	0%	0%	1.5%	-	0%	0%	0%	0%	0%	-	0%	0.6%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	1.0%
Buses	0	18	2	0	20	-	1	0	0	0	1	-	2	1	0	0	3	-	0	0	0	0	0	-	24
% Buses	0%	1.4%	18.2%	0%	1.5%	-	1.1%	0%	0%	0%	0.4%	-	1.6%	0.1%	0%	0%	0.3%	-	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	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	1	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	0%	-

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

239319 (6) Granite @ Kindercare TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:45PM - 1:45 PM)

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

All Movements

ID: 1065009, Location: 42.214762, -71.022019

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						South Shore Plaza Road Westbound						Granite Street (Route 37) Northbound						Kindercare Driveway 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*	
2023-05-06 12:45PM	0	233	7	0	240	0	7	0	30	0	37	0	43	272	0	0	315	0	0	0	0	0	0	1	592
1:00PM	0	238	4	0	242	0	5	0	22	0	27	0	51	257	0	0	308	0	0	0	0	0	0	0	577
1:15PM	0	202	3	0	205	0	5	0	38	0	43	0	31	260	0	0	291	0	0	0	0	0	0	1	539
1:30PM	0	213	2	0	215	0	7	0	42	0	49	2	49	236	0	0	285	0	0	0	0	0	0	1	549
Total	0	886	16	0	902	0	24	0	132	0	156	2	174	1025	0	0	1199	0	0	0	0	0	0	3	2257
% Approach	0%	98.2%	1.8%	0%	-	-	15.4%	0%	84.6%	0%	-	-	14.5%	85.5%	0%	0%	-	-	0%	0%	0%	0%	-	-	-
% Total	0%	39.3%	0.7%	0%	40.0%	-	1.1%	0%	5.8%	0%	6.9%	-	7.7%	45.4%	0%	0%	53.1%	-	0%	0%	0%	0%	0%	-	-
PHF	-	0.931	0.571	-	0.932	-	0.857	-	0.786	-	0.796	-	0.853	0.945	-	-	0.954	-	-	-	-	-	-	-	0.954
Motorcycles	0	3	0	0	3	-	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	6
% Motorcycles	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	-	0.3%
Lights	0	866	15	0	881	-	24	0	131	0	155	-	172	1009	0	0	1181	-	0	0	0	0	0	-	2217
% Lights	0%	97.7%	93.8%	0%	97.7%	-	100%	0%	99.2%	0%	99.4%	-	98.9%	98.4%	0%	0%	98.5%	-	0%	0%	0%	0%	-	-	98.2%
Single-Unit Trucks	0	7	0	0	7	-	0	0	1	0	1	-	0	5	0	0	5	-	0	0	0	0	0	-	13
% Single-Unit Trucks	0%	0.8%	0%	0%	0.8%	-	0%	0%	0.8%	0%	0.6%	-	0%	0.5%	0%	0%	0.4%	-	0%	0%	0%	0%	-	-	0.6%
Articulated Trucks	0	3	0	0	3	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	4
% Articulated Trucks	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	-	0.2%
Buses	0	7	1	0	8	-	0	0	0	0	0	-	2	6	0	0	8	-	0	0	0	0	0	-	16
% Buses	0%	0.8%	6.3%	0%	0.9%	-	0%	0%	0%	0%	0%	-	1.1%	0.6%	0%	0%	0.7%	-	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	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	2	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	66.7%	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	1	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	33.3%	

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

239319 (6) Granite @ Kindercare TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065009, Location: 42.214762, -71.022019

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound						South Shore Plaza Road Westbound						Granite Street (Route 37) Northbound						Kindercare Driveway 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*	
2023-05-06 1:00PM	0	238	4	0	242	0	5	0	22	0	27	0	51	257	0	0	308	0	0	0	0	0	0	0	577
1:15PM	0	202	3	0	205	0	5	0	38	0	43	0	31	260	0	0	291	0	0	0	0	0	0	0	539
1:30PM	0	213	2	0	215	0	7	0	42	0	49	2	49	236	0	0	285	0	0	0	0	0	0	0	549
1:45PM	0	222	5	0	227	0	5	0	39	0	44	0	37	256	0	0	293	0	0	0	0	0	0	0	564
Total	0	875	14	0	889	0	22	0	141	0	163	2	168	1009	0	0	1177	0	0	0	0	0	0	0	2229
% Approach	0%	98.4%	1.6%	0%	-	-	13.5%	0%	86.5%	0%	-	-	14.3%	85.7%	0%	0%	-	-	0%	0%	0%	0%	-	-	-
% Total	0%	39.3%	0.6%	0%	39.9%	-	1.0%	0%	6.3%	0%	7.3%	-	7.5%	45.3%	0%	0%	52.8%	-	0%	0%	0%	0%	0%	-	-
PHF	-	0.919	0.700	-	0.918	-	0.786	-	0.839	-	0.832	-	0.824	0.970	-	-	0.955	-	-	-	-	-	-	-	0.966
Motorcycles	0	2	0	0	2	-	0	0	0	0	0	-	0	5	0	0	5	-	0	0	0	0	0	-	7
% Motorcycles	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0.5%	0%	0%	0.4%	-	0%	0%	0%	0%	-	-	0.3%
Lights	0	860	13	0	873	-	22	0	140	0	162	-	166	993	0	0	1159	-	0	0	0	0	0	-	2194
% Lights	0%	98.3%	92.9%	0%	98.2%	-	100%	0%	99.3%	0%	99.4%	-	98.8%	98.4%	0%	0%	98.5%	-	0%	0%	0%	0%	-	-	98.4%
Single-Unit Trucks	0	4	0	0	4	-	0	0	1	0	1	-	0	5	0	0	5	-	0	0	0	0	0	-	10
% Single-Unit Trucks	0%	0.5%	0%	0%	0.4%	-	0%	0%	0.7%	0%	0.6%	-	0%	0.5%	0%	0%	0.4%	-	0%	0%	0%	0%	-	-	0.4%
Articulated Trucks	0	3	0	0	3	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	3
% Articulated Trucks	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0.1%
Buses	0	6	1	0	7	-	0	0	0	0	0	-	2	6	0	0	8	-	0	0	0	0	0	-	15
% Buses	0%	0.7%	7.1%	0%	0.8%	-	0%	0%	0%	0%	0%	-	1.2%	0.6%	0%	0%	0.7%	-	0%	0%	0%	0%	-	-	0.7%
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	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	50.0%	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	1	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	50.0%	

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

239319 (7) Granite @ West/Franklin TMC - TMC

Thu May 4, 2023

Full Length (11 AM-2 PM, 6 AM-9 AM, 3 PM-6 PM)

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound								West Street Westbound								Franklin Street (Route 37) Northwestbound							
	R	T	BL	L	U	App	Ped*	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*			
2023-05-04 6:00AM	11	38	16	2	0	67	0	7	5	9	1	0	22	0	3	99	9	8	0	119	0			
6:15AM	1	75	33	2	0	111	0	0	8	14	2	0	24	0	3	104	10	4	0	121	0			
6:30AM	12	72	35	2	0	121	0	8	9	16	6	0	39	0	4	115	17	11	0	147	0			
6:45AM	4	91	48	4	0	147	0	21	17	33	3	0	74	0	0	164	22	13	0	199	0			
Hourly Total	28	276	132	10	0	446	0	36	39	72	12	0	159	0	10	482	58	36	0	586	0			
7:00AM	2	84	33	2	0	121	0	10	15	46	3	0	74	0	1	157	24	17	0	199	0			
7:15AM	2	77	50	4	0	133	0	25	25	93	1	0	144	0	3	134	12	23	0	172	0			
7:30AM	4	69	67	13	0	153	0	21	27	47	1	0	96	0	9	182	25	15	0	231	0			
7:45AM	9	99	92	8	0	208	0	25	40	43	2	0	110	0	7	205	21	6	0	239	0			
Hourly Total	17	329	242	27	0	615	0	81	107	229	7	0	424	0	20	678	82	61	0	841	0			
8:00AM	9	103	64	8	0	184	0	27	37	39	3	0	106	1	5	197	27	6	0	235	0			
8:15AM	9	81	72	10	0	172	0	29	48	54	4	0	135	0	5	178	24	8	0	215	0			
8:30AM	7	100	59	8	0	174	0	37	42	43	6	0	128	0	4	159	28	16	0	207	1			
8:45AM	6	133	66	10	0	215	0	23	28	33	4	0	88	1	4	115	22	17	0	158	1			
Hourly Total	31	417	261	36	0	745	0	116	155	169	17	0	457	2	18	649	101	47	0	815	2			
3:00PM	8	149	153	19	0	329	0	25	25	36	7	0	93	0	8	76	14	14	0	112	0			
3:15PM	6	139	176	23	0	344	0	9	27	31	1	0	68	0	6	102	32	13	0	153	0			
3:30PM	7	135	153	17	0	312	0	22	25	40	2	0	89	0	3	87	32	13	0	135	0			
3:45PM	10	177	167	25	0	379	0	15	23	44	4	0	86	0	6	113	29	11	0	159	0			
Hourly Total	31	600	649	84	0	1364	0	71	100	151	14	0	336	0	23	378	107	51	0	559	0			
4:00PM	12	143	138	13	0	306	0	15	21	52	1	0	89	1	7	98	27	9	0	141	1			
4:15PM	6	140	138	15	0	299	0	15	31	51	4	0	101	1	7	103	42	13	0	165	0			
4:30PM	14	183	171	26	0	394	0	19	29	38	1	0	87	0	6	88	32	9	0	135	0			
4:45PM	7	169	159	21	0	356	0	5	35	45	5	0	90	1	7	110	30	15	0	162	0			
Hourly Total	39	635	606	75	0	1355	0	54	116	186	11	0	367	3	27	399	131	46	0	603	1			
5:00PM	6	141	157	19	0	323	0	13	20	56	3	0	92	2	3	92	27	11	0	133	1			
5:15PM	12	197	183	29	0	421	0	7	15	46	3	0	71	0	9	119	14	14	0	156	0			
5:30PM	5	160	177	28	0	370	0	20	34	58	8	1	121	0	8	116	30	11	0	165	0			
5:45PM	11	152	127	24	0	314	0	19	29	54	6	0	108	2	6	79	20	13	0	118	0			
Hourly Total	34	650	644	100	0	1428	0	59	98	214	20	1	392	4	26	406	91	49	0	572	1			
2023-05-06 11:00AM	13	109	78	5	0	205	1	23	16	28	4	0	71	0	5	125	20	10	0	160	0			
11:15AM	9	95	107	19	0	230	0	23	12	27	10	0	72	2	8	137	17	13	0	175	0			
11:30AM	13	92	104	8	0	217	0	34	22	38	4	0	98	0	7	117	11	7	0	142	0			
11:45AM	9	86	97	7	0	199	0	29	16	42	5	0	92	0	10	171	23	8	0	212	0			
Hourly Total	44	382	386	39	0	851	1	109	66	135	23	0	333	2	30	550	71	38	0	689	0			
12:00PM	10	113	114	21	0	258	0	47	18	39	9	0	113	1	12	130	15	12	0	169	1			
12:15PM	13	85	129	13	0	240	0	31	23	37	8	0	99	1	9	143	14	17	0	183	0			
12:30PM	36	84	142	12	0	274	0	27	17	29	8	0	81	0	7	146	19	11	0	183	0			
12:45PM	10	114	108	5	0	237	0	23	16	28	7	0	74	1	3	159	14	12	0	188	1			
Hourly Total	69	396	493	51	0	1009	0	128	74	133	32	0	367	3	31	578	62	52	0	723	2			
1:00PM	13	105	126	10	0	254	2	28	18	22	8	0	76	0	10	130	19	12	0	171	0			
1:15PM	14	91	119	11	0	235	0	23	25	30	3	0	81	0	6	137	24	8	0	175	0			
1:30PM	7	114	136	15	0	272	0	28	14	41	4	0	87	0	4	140	9	3	0	156	0			
1:45PM	10	102	106	12	0	230	1	24	25	39	3	0	91	1	6	131	13	17	1	168	0			
Hourly Total	44	412	487	48	0	991	3	103	82	132	18	0	335	1	26	538	65	40	1	670	0			
Total	337	4097	3900	470	0	8804	4	757	837	1421	154	1	3170	15	211	4658	768	420	1	6058	6			
% Approach	3.8%	46.5%	44.3%	5.3%	0%	-	-	23.9%	26.4%	44.8%	4.9%	0%	-	-	3.5%	76.9%	12.7%	6.9%	0%	-	-			
% Total	1.3%	15.8%	15.1%	1.8%	0%	34.0%	-	2.9%	3.2%	5.5%	0.6%	0%	12.3%	-	0.8%	18.0%	3.0%	1.6%	0%	23.4%	-			
Motorcycles	0	2	4	1	0	7	-	4	0	2	0	0	6	-	0	6	0	0	0	6	-			
% Motorcycles	0%	0%	0.1%	0.2%	0%	0.1%	-	0.5%	0%	0.1%	0%	0%	0.2%	-	0%	0.1%	0%	0%	0%	0.1%	-			
Lights	319	3847	3834	457	0	8457	-	747	811	1381	153	1	3093	-	201	4571	749	412	1	5934	-			
% Lights	94.7%	93.9%	98.3%	97.2%	0%	96.1%	-	98.7%	96.9%	97.2%	99.4%	100%	97.6%	-	95.3%	98.1%	97.5%	98.1%	100%	98.0%	-			

Leg Direction	Granite Street (Route 37)							West Street							Franklin Street (Route 37)						
	Southbound							Westbound							Northwestbound						
Time	R	T	BL	L	U	App	Ped*	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*
Single-Unit Trucks	10	104	40	7	0	161	-	2	16	17	1	0	36	-	4	47	15	7	0	73	-
% Single-Unit Trucks	3.0%	2.5%	1.0%	1.5%	0%	1.8%	-	0.3%	1.9%	1.2%	0.6%	0%	1.1%	-	1.9%	1.0%	2.0%	1.7%	0%	1.2%	-
Articulated Trucks	6	79	10	2	0	97	-	0	3	6	0	0	9	-	0	18	1	0	0	19	-
% Articulated Trucks	1.8%	1.9%	0.3%	0.4%	0%	1.1%	-	0%	0.4%	0.4%	0%	0%	0.3%	-	0%	0.4%	0.1%	0%	0%	0.3%	-
Buses	2	65	12	2	0	81	-	3	6	15	0	0	24	-	6	15	3	1	0	25	-
% Buses	0.6%	1.6%	0.3%	0.4%	0%	0.9%	-	0.4%	0.7%	1.1%	0%	0%	0.8%	-	2.8%	0.3%	0.4%	0.2%	0%	0.4%	-
Bicycles on Road	0	0	0	1	0	1	-	1	1	0	0	0	2	-	0	1	0	0	0	1	-
% Bicycles on Road	0%	0%	0%	0.2%	0%	0%	-	0.1%	0.1%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	0%	-
Pedestrians	-	-	-	-	-	-	1	-	-	-	-	-	-	11	-	-	-	-	-	-	5
% Pedestrians	-	-	-	-	-	-	25.0%	-	-	-	-	-	-	73.3%	-	-	-	-	-	-	83.3%
Bicycles on Crosswalk	-	-	-	-	-	-	3	-	-	-	-	-	-	4	-	-	-	-	-	-	1
% Bicycles on Crosswalk	-	-	-	-	-	-	75.0%	-	-	-	-	-	-	26.7%	-	-	-	-	-	-	16.7%

*Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (7) Granite @ West/Franklin TMC - TMC

Thu May 4, 2023

Full Length (11 AM-2 PM, 6 AM-9 AM, 3 PM-6 PM)

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street Northbound							West Street Eastbound							Int
	HR	R	T	L	U	App	Ped*	R	BR	T	L	U	App	Ped*	
2023-05-04 6:00AM	2	7	105	7	0	121	0	4	4	4	10	0	22	0	351
6:15AM	3	5	105	4	0	117	0	4	9	7	10	0	30	0	403
6:30AM	4	21	113	3	0	141	0	5	6	7	5	0	23	0	471
6:45AM	5	15	138	9	0	167	0	6	16	10	8	0	40	0	627
Hourly Total	14	48	461	23	0	546	0	19	35	28	33	0	115	0	1852
7:00AM	5	0	169	7	0	181	1	9	22	0	9	0	40	1	615
7:15AM	7	0	159	10	0	176	0	7	19	0	10	0	36	0	661
7:30AM	2	0	164	11	0	177	0	4	24	0	10	0	38	0	695
7:45AM	6	0	177	6	0	189	0	7	19	0	13	0	39	0	785
Hourly Total	20	0	669	34	0	723	1	27	84	0	42	0	153	1	2756
8:00AM	5	26	151	7	0	189	0	13	28	19	14	0	74	0	788
8:15AM	10	40	129	6	0	185	0	10	27	18	18	0	73	0	780
8:30AM	10	22	136	10	0	178	0	4	22	14	7	0	47	0	734
8:45AM	8	38	160	8	0	214	0	5	24	20	10	0	59	0	734
Hourly Total	33	126	576	31	0	766	0	32	101	71	49	0	253	0	3036
3:00PM	7	37	117	12	0	173	0	8	50	29	12	0	99	0	806
3:15PM	11	28	98	20	0	157	0	6	38	15	6	0	65	0	787
3:30PM	14	35	126	19	0	194	0	12	38	16	8	0	74	0	804
3:45PM	9	28	86	17	0	140	0	7	47	33	9	0	96	0	860
Hourly Total	41	128	427	68	0	664	0	33	173	93	35	0	334	0	3257
4:00PM	17	0	108	18	0	143	0	9	27	23	5	0	64	0	743
4:15PM	15	0	84	9	0	108	0	23	31	25	10	0	89	0	762
4:30PM	22	0	105	17	0	144	0	11	26	15	8	0	60	0	820
4:45PM	16	0	104	18	0	138	0	12	34	1	8	0	55	0	801
Hourly Total	70	0	401	62	0	533	0	55	118	64	31	0	268	0	3126
5:00PM	12	41	100	21	0	174	0	12	36	30	16	0	94	0	816
5:15PM	6	26	109	8	0	149	0	7	27	30	3	0	67	0	864
5:30PM	8	31	88	14	0	141	0	6	34	29	11	0	80	0	877
5:45PM	15	39	125	9	0	188	0	10	18	24	7	0	59	0	787
Hourly Total	41	137	422	52	0	652	0	35	115	113	37	0	300	0	3344
2023-05-06 11:00AM	9	21	109	5	0	144	0	10	18	17	10	0	55	0	635
11:15AM	15	30	114	2	0	161	0	3	21	10	9	0	43	0	681
11:30AM	8	22	101	1	0	132	0	13	24	18	14	0	69	0	658
11:45AM	8	27	97	6	0	138	0	7	23	15	21	0	66	0	707
Hourly Total	40	100	421	14	0	575	0	33	86	60	54	0	233	0	2681
12:00PM	15	29	116	16	0	176	1	12	20	22	7	0	61	0	777
12:15PM	13	24	91	9	0	137	0	6	25	13	7	0	51	2	710
12:30PM	12	12	102	4	0	130	0	5	20	14	9	0	48	0	716
12:45PM	15	32	124	13	0	184	1	7	26	21	15	0	69	1	752
Hourly Total	55	97	433	42	0	627	2	30	91	70	38	0	229	3	2955
1:00PM	13	23	122	8	0	166	0	13	31	20	19	0	83	2	750
1:15PM	4	18	115	5	0	142	0	6	29	13	18	0	66	1	699
1:30PM	10	19	104	3	0	136	0	4	22	11	13	0	50	0	701
1:45PM	12	24	105	6	0	147	1	8	30	19	13	0	70	2	706
Hourly Total	39	84	446	22	0	591	1	31	112	63	63	0	269	5	2856
Total	353	720	4256	348	0	5677	4	295	915	562	382	0	2154	9	25863
% Approach	6.2%	12.7%	75.0%	6.1%	0%	-	-	13.7%	42.5%	26.1%	17.7%	0%	-	-	-
% Total	1.4%	2.8%	16.5%	1.3%	0%	22.0%	-	1.1%	3.5%	2.2%	1.5%	0%	8.3%	-	-
Motorcycles	0	0	4	1	0	5	-	0	3	3	1	0	7	-	31
% Motorcycles	0%	0%	0.1%	0.3%	0%	0.1%	-	0%	0.3%	0.5%	0.3%	0%	0.3%	-	0.1%
Lights	341	696	4007	330	0	5374	-	269	900	546	365	0	2080	-	24938
% Lights	96.6%	96.7%	94.1%	94.8%	0%	94.7%	-	91.2%	98.4%	97.2%	95.5%	0%	96.6%	-	96.4%

Leg Direction	Granite Street Northbound							West Street Eastbound							Int
	HR	R	T	L	U	App	Ped*	R	BR	T	L	U	App	Ped*	
Time															
Single-Unit Trucks	7	16	120	14	0	157	-	16	4	7	9	0	36	-	463
% Single-Unit Trucks	2.0%	2.2%	2.8%	4.0%	0%	2.8%	-	5.4%	0.4%	1.2%	2.4%	0%	1.7%	-	1.8%
Articulated Trucks	1	0	64	1	0	66	-	3	3	1	4	0	11	-	202
% Articulated Trucks	0.3%	0%	1.5%	0.3%	0%	1.2%	-	1.0%	0.3%	0.2%	1.0%	0%	0.5%	-	0.8%
Buses	4	6	61	2	0	73	-	6	3	4	3	0	16	-	219
% Buses	1.1%	0.8%	1.4%	0.6%	0%	1.3%	-	2.0%	0.3%	0.7%	0.8%	0%	0.7%	-	0.8%
Bicycles on Road	0	2	0	0	0	2	-	1	2	1	0	0	4	-	10
% Bicycles on Road	0%	0.3%	0%	0%	0%	0%	-	0.3%	0.2%	0.2%	0%	0%	0.2%	-	0%
Pedestrians	-	-	-	-	-	-	4	-	-	-	-	-	-	7	
% Pedestrians	-	-	-	-	-	-	100%	-	-	-	-	-	-	77.8%	-
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	2	
% Bicycles on Crosswalk	-	-	-	-	-	-	0%	-	-	-	-	-	-	22.2%	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (7) Granite @ West/Franklin TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound								West Street Westbound								Franklin Street (Route 37) Northwestbound							
Time	R	T	BL	L	U	App	Ped*	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*			
2023-05-04 7:45AM	9	99	92	8	0	208	0	25	40	43	2	0	110	0	7	205	21	6	0	239	0			
8:00AM	9	103	64	8	0	184	0	27	37	39	3	0	106	1	5	197	27	6	0	235	0			
8:15AM	9	81	72	10	0	172	0	29	48	54	4	0	135	0	5	178	24	8	0	215	0			
8:30AM	7	100	59	8	0	174	0	37	42	43	6	0	128	0	4	159	28	16	0	207	1			
Total	34	383	287	34	0	738	0	118	167	179	15	0	479	1	21	739	100	36	0	896	1			
% Approach	4.6%	51.9%	38.9%	4.6%	0%	-	-	24.6%	34.9%	37.4%	3.1%	0%	-	-	2.3%	82.5%	11.2%	4.0%	0%	-	-			
% Total	1.1%	12.4%	9.3%	1.1%	0%	23.9%	-	3.8%	5.4%	5.8%	0.5%	0%	15.5%	-	0.7%	23.9%	3.2%	1.2%	0%	29.0%	-			
PHF	0.944	0.930	0.780	0.850	-	0.887	-	0.797	0.870	0.829	0.625	-	0.887	-	0.750	0.901	0.893	0.563	-	0.937	-			
Motorcycles	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%	-			
Lights	28	343	276	31	0	678	-	117	164	175	14	0	470	-	17	718	96	35	0	866	-			
% Lights	82.4%	89.6%	96.2%	91.2%	0%	91.9%	-	99.2%	98.2%	97.8%	93.3%	0%	98.1%	-	81.0%	97.2%	96.0%	97.2%	0%	96.7%	-			
Single-Unit Trucks	3	13	11	3	0	30	-	0	1	1	1	0	3	-	2	15	4	1	0	22	-			
% Single-Unit Trucks	8.8%	3.4%	3.8%	8.8%	0%	4.1%	-	0%	0.6%	0.6%	6.7%	0%	0.6%	-	9.5%	2.0%	4.0%	2.8%	0%	2.5%	-			
Articulated Trucks	2	10	0	0	0	12	-	0	1	2	0	0	3	-	0	2	0	0	0	2	-			
% Articulated Trucks	5.9%	2.6%	0%	0%	0%	1.6%	-	0%	0.6%	1.1%	0%	0%	0.6%	-	0%	0.3%	0%	0%	0%	0.2%	-			
Buses	1	17	0	0	0	18	-	1	1	1	0	0	3	-	2	4	0	0	0	6	-			
% Buses	2.9%	4.4%	0%	0%	0%	2.4%	-	0.8%	0.6%	0.6%	0%	0%	0.6%	-	9.5%	0.5%	0%	0%	0%	0.7%	-			
Bicycles on Road	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%	-			
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	1			
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	100%			
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-	-	-	-	-	0			
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	0%			

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (7) Granite @ West/Franklin TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street Northbound							West Street Eastbound							Int
	HR	R	T	L	U	App	Ped*	R	BR	T	L	U	App	Ped*	
2023-05-04 7:45AM	6	0	177	6	0	189	0	7	19	0	13	0	39	0	785
8:00AM	5	26	151	7	0	189	0	13	28	19	14	0	74	0	788
8:15AM	10	40	129	6	0	185	0	10	27	18	18	0	73	0	780
8:30AM	10	22	136	10	0	178	0	4	22	14	7	0	47	0	734
Total	31	88	593	29	0	741	0	34	96	51	52	0	233	0	3087
% Approach	4.2%	11.9%	80.0%	3.9%	0%	-	-	14.6%	41.2%	21.9%	22.3%	0%	-	-	-
% Total	1.0%	2.9%	19.2%	0.9%	0%	24.0%	-	1.1%	3.1%	1.7%	1.7%	0%	7.5%	-	-
PHF	0.775	0.544	0.838	0.725	-	0.979	-	0.654	0.857	0.671	0.722	-	0.787	-	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	28	80	548	22	0	678	-	30	95	49	49	0	223	-	2915
% Lights	90.3%	90.9%	92.4%	75.9%	0%	91.5%	-	88.2%	99.0%	96.1%	94.2%	0%	95.7%	-	94.4%
Single-Unit Trucks	2	5	36	6	0	49	-	1	0	1	3	0	5	-	109
% Single-Unit Trucks	6.5%	5.7%	6.1%	20.7%	0%	6.6%	-	2.9%	0%	2.0%	5.8%	0%	2.1%	-	3.5%
Articulated Trucks	0	0	7	1	0	8	-	1	0	0	0	0	1	-	26
% Articulated Trucks	0%	0%	1.2%	3.4%	0%	1.1%	-	2.9%	0%	0%	0%	0%	0.4%	-	0.8%
Buses	1	2	2	0	0	5	-	2	1	1	0	0	4	-	36
% Buses	3.2%	2.3%	0.3%	0%	0%	0.7%	-	5.9%	1.0%	2.0%	0%	0%	1.7%	-	1.2%
Bicycles on Road	0	1	0	0	0	1	-	0	0	0	0	0	0	-	1
% Bicycles on Road	0%	1.1%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (7) Granite @ West/Franklin TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:45PM - 5:45 PM) - Overall Peak Hour

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound							West Street Westbound							Franklin Street (Route 37) Northwestbound						
Time	R	T	BL	L	U	App	Ped*	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*
2023-05-04 4:45PM	7	169	159	21	0	356	0	5	35	45	5	0	90	1	7	110	30	15	0	162	0
5:00PM	6	141	157	19	0	323	0	13	20	56	3	0	92	2	3	92	27	11	0	133	1
5:15PM	12	197	183	29	0	421	0	7	15	46	3	0	71	0	9	119	14	14	0	156	0
5:30PM	5	160	177	28	0	370	0	20	34	58	8	1	121	0	8	116	30	11	0	165	0
Total	30	667	676	97	0	1470	0	45	104	205	19	1	374	3	27	437	101	51	0	616	1
% Approach	2.0%	45.4%	46.0%	6.6%	0%	-	-	12.0%	27.8%	54.8%	5.1%	0.3%	-	-	4.4%	70.9%	16.4%	8.3%	0%	-	-
% Total	0.9%	19.9%	20.1%	2.9%	0%	43.8%	-	1.3%	3.1%	6.1%	0.6%	0%	11.1%	-	0.8%	13.0%	3.0%	1.5%	0%	18.3%	-
PHF	0.625	0.846	0.923	0.836	-	0.873	-	0.563	0.743	0.884	0.594	0.250	0.773	-	0.750	0.918	0.842	0.850	-	0.933	-
Motorcycles	0	0	0	0	0	0	-	0	0	0	0	0	0	-	0	1	0	0	0	1	-
% Motorcycles	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0%	0.2%	-
Lights	29	624	670	97	0	1420	-	45	102	201	19	1	368	-	27	429	97	50	0	603	-
% Lights	96.7%	93.6%	99.1%	100%	0%	96.6%	-	100%	98.1%	98.0%	100%	100%	98.4%	-	100%	98.2%	96.0%	98.0%	0%	97.9%	-
Single-Unit Trucks	0	15	4	0	0	19	-	0	2	2	0	0	4	-	0	4	4	1	0	9	-
% Single-Unit Trucks	0%	2.2%	0.6%	0%	0%	1.3%	-	0%	1.9%	1.0%	0%	0%	1.1%	-	0%	0.9%	4.0%	2.0%	0%	1.5%	-
Articulated Trucks	0	17	1	0	0	18	-	0	0	1	0	0	1	-	0	0	0	0	0	0	-
% Articulated Trucks	0%	2.5%	0.1%	0%	0%	1.2%	-	0%	0%	0.5%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	0%	-
Buses	1	11	1	0	0	13	-	0	0	1	0	0	1	-	0	3	0	0	0	3	-
% Buses	3.3%	1.6%	0.1%	0%	0%	0.9%	-	0%	0%	0.5%	0%	0%	0.3%	-	0%	0.7%	0%	0%	0%	0.5%	-
Bicycles on Road	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%	-
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	3	-	-	-	-	-	-	1
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	0%

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (7) Granite @ West/Franklin TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:45PM - 5:45 PM) - Overall Peak Hour

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street Northbound							West Street Eastbound							Int
	HR	R	T	L	U	App	Ped*	R	BR	T	L	U	App	Ped*	
2023-05-04 4:45PM	16	0	104	18	0	138	0	12	34	1	8	0	55	0	801
5:00PM	12	41	100	21	0	174	0	12	36	30	16	0	94	0	816
5:15PM	6	26	109	8	0	149	0	7	27	30	3	0	67	0	864
5:30PM	8	31	88	14	0	141	0	6	34	29	11	0	80	0	877
Total	42	98	401	61	0	602	0	37	131	90	38	0	296	0	3358
% Approach	7.0%	16.3%	66.6%	10.1%	0%	-	-	12.5%	44.3%	30.4%	12.8%	0%	-	-	-
% Total	1.3%	2.9%	11.9%	1.8%	0%	17.9%	-	1.1%	3.9%	2.7%	1.1%	0%	8.8%	-	-
PHF	0.656	0.598	0.920	0.726	-	0.865	-	0.771	0.929	0.750	0.594	-	0.793	-	0.957
Motorcycles	0	0	0	0	0	0	-	0	0	0	0	0	0	-	1
% Motorcycles	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-	0%
Lights	41	95	387	60	0	583	-	36	130	88	37	0	291	-	3265
% Lights	97.6%	96.9%	96.5%	98.4%	0%	96.8%	-	97.3%	99.2%	97.8%	97.4%	0%	98.3%	-	97.2%
Single-Unit Trucks	1	3	7	1	0	12	-	1	0	2	0	0	3	-	47
% Single-Unit Trucks	2.4%	3.1%	1.7%	1.6%	0%	2.0%	-	2.7%	0%	2.2%	0%	0%	1.0%	-	1.4%
Articulated Trucks	0	0	5	0	0	5	-	0	0	0	1	0	1	-	25
% Articulated Trucks	0%	0%	1.2%	0%	0%	0.8%	-	0%	0%	0%	2.6%	0%	0.3%	-	0.7%
Buses	0	0	2	0	0	2	-	0	0	0	0	0	0	-	19
% Buses	0%	0%	0.5%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	0%	-	0.6%
Bicycles on Road	0	0	0	0	0	0	-	0	1	0	0	0	1	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	0%	-	0%	0.8%	0%	0%	0%	0.3%	-	0%
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (7) Granite @ West/Franklin TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12PM - 1 PM)

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound							West Street Westbound							Franklin Street (Route 37) Northwestbound						
Time	R	T	BL	L	U	App	Ped*	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*
2023-05-06 12:00PM	10	113	114	21	0	258	0	47	18	39	9	0	113	1	12	130	15	12	0	169	1
12:15PM	13	85	129	13	0	240	0	31	23	37	8	0	99	1	9	143	14	17	0	183	0
12:30PM	36	84	142	12	0	274	0	27	17	29	8	0	81	0	7	146	19	11	0	183	0
12:45PM	10	114	108	5	0	237	0	23	16	28	7	0	74	1	3	159	14	12	0	188	1
Total	69	396	493	51	0	1009	0	128	74	133	32	0	367	3	31	578	62	52	0	723	2
% Approach	6.8%	39.2%	48.9%	5.1%	0%	-	-	34.9%	20.2%	36.2%	8.7%	0%	-	-	4.3%	79.9%	8.6%	7.2%	0%	-	-
% Total	2.3%	13.4%	16.7%	1.7%	0%	34.1%	-	4.3%	2.5%	4.5%	1.1%	0%	12.4%	-	1.0%	19.6%	2.1%	1.8%	0%	24.5%	-
PHF	0.479	0.868	0.868	0.607	-	0.921	-	0.676	0.793	0.853	0.889	-	0.815	-	0.646	0.909	0.816	0.765	-	0.961	-
Motorcycles	0	1	4	0	0	5	-	1	0	0	0	0	1	-	0	2	0	0	0	2	-
% Motorcycles	0%	0.3%	0.8%	0%	0%	0.5%	-	0.8%	0%	0%	0%	0%	0.3%	-	0%	0.3%	0%	0%	0%	0.3%	-
Lights	68	386	485	51	0	990	-	126	73	132	32	0	363	-	30	571	60	52	0	713	-
% Lights	98.6%	97.5%	98.4%	100%	0%	98.1%	-	98.4%	98.6%	99.2%	100%	0%	98.9%	-	96.8%	98.8%	96.8%	100%	0%	98.6%	-
Single-Unit Trucks	1	5	2	0	0	8	-	0	0	1	0	0	1	-	0	1	2	0	0	3	-
% Single-Unit Trucks	1.4%	1.3%	0.4%	0%	0%	0.8%	-	0%	0%	0.8%	0%	0%	0.3%	-	0%	0.2%	3.2%	0%	0%	0.4%	-
Articulated Trucks	0	2	1	0	0	3	-	0	0	0	0	0	0	-	0	2	0	0	0	2	-
% Articulated Trucks	0%	0.5%	0.2%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	0%	-	0%	0.3%	0%	0%	0%	0.3%	-
Buses	0	2	1	0	0	3	-	0	0	0	0	0	0	-	1	2	0	0	0	3	-
% Buses	0%	0.5%	0.2%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	0%	-	3.2%	0.3%	0%	0%	0%	0.4%	-
Bicycles on Road	0	0	0	0	0	0	-	1	1	0	0	0	2	-	0	0	0	0	0	0	-
% Bicycles on Road	0%	0%	0%	0%	0%	0%	-	0.8%	1.4%	0%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	0%	-
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	2	-	-	-	-	-	-	1
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	66.7%	-	-	-	-	-	-	50.0%
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-	-	-	-	-	1
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	33.3%	-	-	-	-	-	-	50.0%

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (7) Granite @ West/Franklin TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12PM - 1 PM)

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street Northbound							West Street Eastbound							Int
	HR	R	T	L	U	App	Ped*	R	BR	T	L	U	App	Ped*	
2023-05-06 12:00PM	15	29	116	16	0	176	1	12	20	22	7	0	61	0	777
12:15PM	13	24	91	9	0	137	0	6	25	13	7	0	51	2	710
12:30PM	12	12	102	4	0	130	0	5	20	14	9	0	48	0	716
12:45PM	15	32	124	13	0	184	1	7	26	21	15	0	69	1	752
Total	55	97	433	42	0	627	2	30	91	70	38	0	229	3	2955
% Approach	8.8%	15.5%	69.1%	6.7%	0%	-	-	13.1%	39.7%	30.6%	16.6%	0%	-	-	-
% Total	1.9%	3.3%	14.7%	1.4%	0%	21.2%	-	1.0%	3.1%	2.4%	1.3%	0%	7.7%	-	-
PHF	0.917	0.758	0.873	0.656	-	0.852	-	0.625	0.875	0.821	0.633	-	0.826	-	0.952
Motorcycles	0	0	0	0	0	0	-	0	0	0	1	0	1	-	9
% Motorcycles	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	2.6%	0%	0.4%	-	0.3%
Lights	55	97	426	42	0	620	-	30	91	69	37	0	227	-	2913
% Lights	100%	100%	98.4%	100%	0%	98.9%	-	100%	100%	98.6%	97.4%	0%	99.1%	-	98.6%
Single-Unit Trucks	0	0	4	0	0	4	-	0	0	0	0	0	0	-	16
% Single-Unit Trucks	0%	0%	0.9%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	0%	-	0.5%
Articulated Trucks	0	0	0	0	0	0	-	0	0	0	0	0	0	-	5
% Articulated Trucks	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-	0.2%
Buses	0	0	3	0	0	3	-	0	0	0	0	0	0	-	9
% Buses	0%	0%	0.7%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	0%	-	0.3%
Bicycles on Road	0	0	0	0	0	0	-	0	0	1	0	0	1	-	3
% Bicycles on Road	0%	0%	0%	0%	0%	0%	-	0%	0%	1.4%	0%	0%	0.4%	-	0.1%
Pedestrians	-	-	-	-	-	-	2	-	-	-	-	-	-	-	3
% Pedestrians	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	0%

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (7) Granite @ West/Franklin TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Granite Street (Route 37) Southbound								West Street Westbound								Franklin Street (Route 37) Northwestbound							
	R	T	BL	L	U	App	Ped*	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*			
2023-05-06 1:00PM	13	105	126	10	0	254	2	28	18	22	8	0	76	0	10	130	19	12	0	171	0			
1:15PM	14	91	119	11	0	235	0	23	25	30	3	0	81	0	6	137	24	8	0	175	0			
1:30PM	7	114	136	15	0	272	0	28	14	41	4	0	87	0	4	140	9	3	0	156	0			
1:45PM	10	102	106	12	0	230	1	24	25	39	3	0	91	1	6	131	13	17	1	168	0			
Total	44	412	487	48	0	991	3	103	82	132	18	0	335	1	26	538	65	40	1	670	0			
% Approach	4.4%	41.6%	49.1%	4.8%	0%	-	-	30.7%	24.5%	39.4%	5.4%	0%	-	-	3.9%	80.3%	9.7%	6.0%	0.1%	-	-			
% Total	1.5%	14.4%	17.1%	1.7%	0%	34.7%	-	3.6%	2.9%	4.6%	0.6%	0%	11.7%	-	0.9%	18.8%	2.3%	1.4%	0%	23.5%	-			
PHF	0.786	0.904	0.895	0.800	-	0.911	-	0.920	0.820	0.805	0.563	-	0.920	-	0.650	0.961	0.677	0.588	0.250	0.957	-			
Motorcycles	0	0	0	0	0	0	-	0	0	2	0	0	2	-	0	2	0	0	0	2	-			
% Motorcycles	0%	0%	0%	0%	0%	0%	-	0%	0%	1.5%	0%	0%	0.6%	-	0%	0.4%	0%	0%	0%	0.3%	-			
Lights	44	402	482	48	0	976	-	102	82	130	18	0	332	-	26	533	64	40	1	664	-			
% Lights	100%	97.6%	99.0%	100%	0%	98.5%	-	99.0%	100%	98.5%	100%	0%	99.1%	-	100%	99.1%	98.5%	100%	100%	99.1%	-			
Single-Unit Trucks	0	4	2	0	0	6	-	0	0	0	0	0	0	-	0	1	1	0	0	2	-			
% Single-Unit Trucks	0%	1.0%	0.4%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	0%	-	0%	0.2%	1.5%	0%	0%	0.3%	-			
Articulated Trucks	0	2	1	0	0	3	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-			
% Articulated Trucks	0%	0.5%	0.2%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-			
Buses	0	4	2	0	0	6	-	1	0	0	0	0	1	-	0	2	0	0	0	2	-			
% Buses	0%	1.0%	0.4%	0%	0%	0.6%	-	1.0%	0%	0%	0%	0%	0.3%	-	0%	0.4%	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	0	-			
% Bicycles on Road	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-			
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0			
% Pedestrians	-	-	-	-	-	-	0%	-	-	-	-	-	-	0%	-	-	-	-	-	-	-			
Bicycles on Crosswalk	-	-	-	-	-	-	3	-	-	-	-	-	-	1	-	-	-	-	-	-	0			
% Bicycles on Crosswalk	-	-	-	-	-	-	100%	-	-	-	-	-	-	100%	-	-	-	-	-	-	-			

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (7) Granite @ West/Franklin TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065010, Location: 42.212039, -71.01968

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Granite Street Northbound							West Street Eastbound							Int
	HR	R	T	L	U	App	Ped*	R	BR	T	L	U	App	Ped*	
2023-05-06 1:00PM	13	23	122	8	0	166	0	13	31	20	19	0	83	2	750
1:15PM	4	18	115	5	0	142	0	6	29	13	18	0	66	1	699
1:30PM	10	19	104	3	0	136	0	4	22	11	13	0	50	0	701
1:45PM	12	24	105	6	0	147	1	8	30	19	13	0	70	2	706
Total	39	84	446	22	0	591	1	31	112	63	63	0	269	5	2856
% Approach	6.6%	14.2%	75.5%	3.7%	0%	-	-	11.5%	41.6%	23.4%	23.4%	0%	-	-	-
% Total	1.4%	2.9%	15.6%	0.8%	0%	20.7%	-	1.1%	3.9%	2.2%	2.2%	0%	9.4%	-	-
PHF	0.750	0.875	0.914	0.688	-	0.890	-	0.577	0.903	0.788	0.829	-	0.807	-	0.952
Motorcycles	0	0	3	0	0	3	-	0	0	2	0	0	2	-	9
% Motorcycles	0%	0%	0.7%	0%	0%	0.5%	-	0%	0%	3.2%	0%	0%	0.7%	-	0.3%
Lights	39	82	436	22	0	579	-	30	112	61	62	0	265	-	2816
% Lights	100%	97.6%	97.8%	100%	0%	98.0%	-	96.8%	100%	96.8%	98.4%	0%	98.5%	-	98.6%
Single-Unit Trucks	0	2	3	0	0	5	-	0	0	0	0	0	0	-	13
% Single-Unit Trucks	0%	2.4%	0.7%	0%	0%	0.8%	-	0%	0%	0%	0%	0%	0%	-	0.5%
Articulated Trucks	0	0	0	0	0	0	-	0	0	0	0	0	0	-	3
% Articulated Trucks	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-	0.1%
Buses	0	0	4	0	0	4	-	0	0	0	1	0	1	-	14
% Buses	0%	0%	0.9%	0%	0%	0.7%	-	0%	0%	0%	1.6%	0%	0.4%	-	0.5%
Bicycles on Road	0	0	0	0	0	0	-	1	0	0	0	0	1	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	0%	-	3.2%	0%	0%	0%	0%	0.4%	-	0%
Pedestrians	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3
% Pedestrians	-	-	-	-	-	-	100%	-	-	-	-	-	-	60.0%	-
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	-	2
% Bicycles on Crosswalk	-	-	-	-	-	-	0%	-	-	-	-	-	-	40.0%	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

Leg Direction	Franklin Street (Route 37) Southbound						Driveway Westbound						Franklin Street (Route 37) Northbound						John West Leroy Jr Way 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
Articulated Trucks	0	14	0	0	14	-	0	0	0	0	0	-	0	21	0	0	21	-	0	0	0	0	0	-	35
% Articulated Trucks	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.3%
Buses	0	23	0	0	23	-	0	0	0	0	0	-	0	23	4	0	27	-	4	0	1	0	5	-	55
% Buses	0%	0.5%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	0.4%	0.9%	0%	0.4%	-	1.3%	0%	1.1%	0%	1.2%	-	0.5%
Bicycles on Road	0	2	0	0	2	-	0	0	0	0	0	-	0	1	3	0	4	-	0	0	0	0	0	-	6
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0.6%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	36	-	-	-	-	-	27	-	-	-	-	-	0	-	-	-	-	-	47	
% Pedestrians	-	-	-	-	-	85.7%	-	-	-	-	-	77.1%	-	-	-	-	-	-	-	-	-	-	-	90.4%	-
Bicycles on Crosswalk	-	-	-	-	-	6	-	-	-	-	-	8	-	-	-	-	-	0	-	-	-	-	-	5	
% Bicycles on Crosswalk	-	-	-	-	-	14.3%	-	-	-	-	-	22.9%	-	-	-	-	-	-	-	-	-	-	-	9.6%	-

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

239319 (8) Franklin @ John West TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7AM - 8 AM)

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

All Movements

ID: 1065011, Location: 42.207216, -71.012249

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Franklin Street (Route 37) Southbound					Driveway Westbound					Franklin Street (Route 37) Northbound					John West Leroy Jr Way 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*
2023-05-04 7:00AM	18	63	0	0	81	5	0	0	0	0	0	1	1	175	65	0	241	0	21	0	4	0	25	0	347
7:15AM	26	61	0	0	87	6	0	0	0	0	0	1	0	138	64	0	202	0	46	0	20	0	66	3	355
7:30AM	7	94	0	0	101	2	0	0	0	0	0	1	0	202	26	0	228	0	43	0	12	0	55	1	384
7:45AM	2	106	0	0	108	1	0	0	0	0	0	1	0	222	9	0	231	0	22	0	6	0	28	1	367
Total	53	324	0	0	377	14	0	0	0	0	0	4	1	737	164	0	902	0	132	0	42	0	174	5	1453
% Approach	14.1%	85.9%	0%	0%	-	-	0%	0%	0%	0%	-	-	0.1%	81.7%	18.2%	0%	-	-	75.9%	0%	24.1%	0%	-	-	-
% Total	3.6%	22.3%	0%	0%	25.9%	-	0%	0%	0%	0%	0%	-	0.1%	50.7%	11.3%	0%	62.1%	-	9.1%	0%	2.9%	0%	12.0%	-	-
PHF	0.510	0.764	-	-	0.873	-	-	-	-	-	-	-	0.250	0.830	0.627	-	0.935	-	0.717	-	0.525	-	0.659	-	0.945
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%
Lights	53	312	0	0	365	-	0	0	0	0	0	-	1	710	160	0	871	-	128	0	41	0	169	-	1405
% Lights	100%	96.3%	0%	0%	96.8%	-	0%	0%	0%	0%	-	-	100%	96.3%	97.6%	0%	96.6%	-	97.0%	0%	97.6%	0%	97.1%	-	96.7%
Single-Unit Trucks	0	4	0	0	4	-	0	0	0	0	0	-	0	14	0	0	14	-	0	0	0	0	0	-	18
% Single-Unit Trucks	0%	1.2%	0%	0%	1.1%	-	0%	0%	0%	0%	-	-	0%	1.9%	0%	0%	1.6%	-	0%	0%	0%	0%	0%	-	1.2%
Articulated Trucks	0	2	0	0	2	-	0	0	0	0	0	-	0	8	0	0	8	-	0	0	0	0	0	-	10
% Articulated Trucks	0%	0.6%	0%	0%	0.5%	-	0%	0%	0%	0%	-	-	0%	1.1%	0%	0%	0.9%	-	0%	0%	0%	0%	0%	-	0.7%
Buses	0	6	0	0	6	-	0	0	0	0	0	-	0	5	3	0	8	-	4	0	1	0	5	-	19
% Buses	0%	1.9%	0%	0%	1.6%	-	0%	0%	0%	0%	-	-	0%	0.7%	1.8%	0%	0.9%	-	3.0%	0%	2.4%	0%	2.9%	-	1.3%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	1	0	1	-	0	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%	0%	0.6%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	14	-	-	-	-	-	4	-	-	-	-	-	0	-	-	-	-	-	4	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	80.0%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	20.0%	-

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

239319 (8) Franklin @ John West TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:30PM - 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: 1065011, Location: 42.207216, -71.012249

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Franklin Street (Route 37) Southbound						Driveway Westbound						Franklin Street (Route 37) Northbound						John West Leroy Jr Way 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*	
2023-05-04 4:30PM	4	214	0	0	218	0	0	0	0	0	0	0	0	160	17	0	177	0	17	0	0	0	17	0	412
4:45PM	7	189	0	0	196	0	0	0	0	0	0	1	0	141	19	0	160	0	8	0	4	0	12	2	368
5:00PM	6	200	0	0	206	0	0	0	0	0	0	1	0	143	11	0	154	0	12	0	3	0	15	1	375
5:15PM	6	194	0	0	200	1	0	0	0	0	0	2	0	171	8	0	179	0	3	0	3	0	6	1	385
Total	23	797	0	0	820	1	0	0	0	0	0	4	0	615	55	0	670	0	40	0	10	0	50	4	1540
% Approach	2.8%	97.2%	0%	0%	-	-	0%	0%	0%	0%	-	-	0%	91.8%	8.2%	0%	-	-	80.0%	0%	20.0%	0%	-	-	-
% Total	1.5%	51.8%	0%	0%	53.2%	-	0%	0%	0%	0%	0%	-	0%	39.9%	3.6%	0%	43.5%	-	2.6%	0%	0.6%	0%	3.2%	-	-
PHF	0.821	0.930	-	-	0.939	-	-	-	-	-	-	-	-	0.899	0.724	-	0.936	-	0.588	-	0.625	-	0.735	-	0.934
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%
Lights	23	787	0	0	810	-	0	0	0	0	0	-	0	608	55	0	663	-	40	0	10	0	50	-	1523
% Lights	100%	98.7%	0%	0%	98.8%	-	0%	0%	0%	0%	-	-	0%	98.9%	100%	0%	99.0%	-	100%	0%	100%	0%	100%	-	98.9%
Single-Unit Trucks	0	5	0	0	5	-	0	0	0	0	0	-	0	5	0	0	5	-	0	0	0	0	0	-	10
% Single-Unit Trucks	0%	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	-	-	0%	0.8%	0%	0%	0.7%	-	0%	0%	0%	0%	0%	-	0.6%
Articulated Trucks	0	2	0	0	2	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	3
% Articulated Trucks	0%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0%	0.2%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.2%
Buses	0	2	0	0	2	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	3
% Buses	0%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0%	0.2%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.2%
Bicycles on Road	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Bicycles on Road	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	4	-	-	-	-	-	0	-	-	-	-	-	4	-
% 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

239319 (8) Franklin @ John West TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:15PM - 1:15 PM)

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

All Movements

ID: 1065011, Location: 42.207216, -71.012249

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Franklin Street (Route 37) Southbound						Driveway Westbound						Franklin Street (Route 37) Northbound						John West Leroy Jr Way 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*	
2023-05-06 12:15PM	2	160	0	0	162	0	0	0	0	0	0	0	0	183	2	0	185	0	6	0	0	0	6	2	353
12:30PM	1	160	0	0	161	0	0	0	0	0	0	0	0	180	7	0	187	0	4	0	0	0	4	0	352
12:45PM	2	160	0	0	162	0	0	0	0	0	0	0	0	171	3	0	174	0	3	0	2	0	5	3	341
1:00PM	0	178	0	0	178	0	0	0	0	0	0	0	0	201	12	0	213	0	2	0	0	0	2	1	393
Total	5	658	0	0	663	0	0	0	0	0	0	0	0	735	24	0	759	0	15	0	2	0	17	6	1439
% Approach	0.8%	99.2%	0%	0%	-	-	0%	0%	0%	0%	-	-	0%	96.8%	3.2%	0%	-	-	88.2%	0%	11.8%	0%	-	-	-
% Total	0.3%	45.7%	0%	0%	46.1%	-	0%	0%	0%	0%	0%	-	0%	51.1%	1.7%	0%	52.7%	-	1.0%	0%	0.1%	0%	1.2%	-	-
PHF	0.625	0.924	-	-	0.931	-	-	-	-	-	-	-	-	0.914	0.500	-	0.893	-	0.625	-	0.250	-	0.708	-	0.916
Motorcycles	0	4	0	0	4	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	5
% Motorcycles	0%	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	-	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.3%
Lights	5	649	0	0	654	-	0	0	0	0	0	-	0	728	22	0	750	-	15	0	1	0	16	-	1420
% Lights	100%	98.6%	0%	0%	98.6%	-	0%	0%	0%	0%	-	-	0%	99.0%	91.7%	0%	98.8%	-	100%	0%	50.0%	0%	94.1%	-	98.7%
Single-Unit Trucks	0	1	0	0	1	-	0	0	0	0	0	-	0	4	0	0	4	-	0	0	1	0	1	-	6
% Single-Unit Trucks	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0%	0.5%	0%	0%	0.5%	-	0%	0%	50.0%	0%	5.9%	-	0.4%
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%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	3	0	0	3	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	5
% Buses	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	-	-	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.3%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	2	0	2	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%	0%	8.3%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	6	
% 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

239319 (8) Franklin @ John West TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065011, Location: 42.207216, -71.012249

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Franklin Street (Route 37) Southbound						Driveway Westbound						Franklin Street (Route 37) Northbound						John West Leroy Jr Way 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*	
2023-05-06 1:00PM	0	178	0	0	178	0	0	0	0	0	0	0	0	201	12	0	213	0	2	0	0	0	2	1	393
1:15PM	0	168	0	0	168	8	0	0	0	0	0	6	0	153	3	0	156	0	5	0	0	0	5	4	329
1:30PM	2	157	0	0	159	3	0	0	0	0	0	3	0	170	14	0	184	0	2	0	0	0	2	0	345
1:45PM	2	156	0	0	158	0	0	0	0	0	0	0	0	166	11	0	177	0	7	0	3	0	10	0	345
Total	4	659	0	0	663	11	0	0	0	0	0	9	0	690	40	0	730	0	16	0	3	0	19	5	1412
% Approach	0.6%	99.4%	0%	0%	-	-	0%	0%	0%	0%	-	-	0%	94.5%	5.5%	0%	-	-	84.2%	0%	15.8%	0%	-	-	-
% Total	0.3%	46.7%	0%	0%	47.0%	-	0%	0%	0%	0%	0%	-	0%	48.9%	2.8%	0%	51.7%	-	1.1%	0%	0.2%	0%	1.3%	-	-
PHF	0.500	0.926	-	-	0.931	-	-	-	-	-	-	-	-	0.858	0.696	-	0.860	-	0.571	-	0.250	-	0.475	-	0.900
Motorcycles	0	0	0	0	0	-	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	3
% Motorcycles	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0.2%
Lights	4	653	0	0	657	-	0	0	0	0	0	-	0	680	39	0	719	-	16	0	3	0	19	-	1395
% Lights	100%	99.1%	0%	0%	99.1%	-	0%	0%	0%	0%	-	-	0%	98.6%	97.5%	0%	98.5%	-	100%	0%	100%	0%	100%	-	98.8%
Single-Unit Trucks	0	2	0	0	2	-	0	0	0	0	0	-	0	5	0	0	5	-	0	0	0	0	0	-	7
% Single-Unit Trucks	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	-	0%	0.7%	0%	0%	0.7%	-	0%	0%	0%	0%	0%	-	0.5%
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%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	3	0	0	3	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	5
% Buses	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	-	-	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.4%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	1	0	1	-	0	0	0	0	0	-	1
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%	0%	2.5%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	7	-	-	-	-	-	3	-	-	-	-	-	0	-	-	-	-	-	5	
% Pedestrians	-	-	-	-	-	63.6%	-	-	-	-	-	33.3%	-	-	-	-	-	-	-	-	-	-	-	100%	
Bicycles on Crosswalk	-	-	-	-	-	4	-	-	-	-	-	6	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	36.4%	-	-	-	-	-	66.7%	-	-	-	-	-	-	-	-	-	-	-	0%	

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

Leg Direction	Franklin Street (Route 37) Southbound						Washington Street Westbound						Washington Street (Route 37) Northbound						Driveway 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
% Buses	0%	0.2%	1.3%	0%	0.5%	-	0.7%	0%	0.9%	0%	0.9%	-	0.9%	0.2%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0.6%
Bicycles on Road	0	0	1	0	1	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	3
% Bicycles on Road	0%	0%	0.1%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	21	-	-	-	-	-	7	-	-	-	-	-	5	-	-	-	-	-	50	
% Pedestrians	-	-	-	-	-	-91.3%	-	-	-	-	-	-87.5%	-	-	-	-	-	-100%	-	-	-	-	-	-86.2%	-
Bicycles on Crosswalk	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	8	
% Bicycles on Crosswalk	-	-	-	-	-	8.7%	-	-	-	-	-	12.5%	-	-	-	-	-	0%	-	-	-	-	-	13.8%	-

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

239319 (9) Franklin @ Washington TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065012, Location: 42.201774, -71.007205

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Franklin Street (Route 37) Southbound						Washington Street Westbound						Washington Street (Route 37) Northbound						Driveway 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*	
2023-05-04 7:45AM	0	78	11	0	89	0	27	0	61	0	88	0	100	178	0	0	278	0	0	0	0	0	0	1	455
8:00AM	0	65	20	0	85	0	25	0	52	0	77	0	73	154	0	0	227	0	0	0	0	0	0	2	389
8:15AM	0	76	25	0	101	2	34	0	60	0	94	0	82	131	0	0	213	0	0	0	0	0	0	2	408
8:30AM	0	70	13	0	83	0	30	0	54	0	84	0	64	173	0	0	237	0	0	0	0	0	0	0	404
Total	0	289	69	0	358	2	116	0	227	0	343	0	319	636	0	0	955	0	0	0	0	0	0	5	1656
% Approach	0%	80.7%	19.3%	0%	-	-	33.8%	0%	66.2%	0%	-	-	33.4%	66.6%	0%	0%	-	-	0%	0%	0%	0%	-	-	-
% Total	0%	17.5%	4.2%	0%	21.6%	-	7.0%	0%	13.7%	0%	20.7%	-	19.3%	38.4%	0%	0%	57.7%	-	0%	0%	0%	0%	0%	-	-
PHF	-	0.926	0.690	-	0.886	-	0.853	-	0.930	-	0.912	-	0.798	0.893	-	-	0.859	-	-	-	-	-	-	-	0.910
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	279	64	0	343	-	111	0	215	0	326	-	304	624	0	0	928	-	0	0	0	0	0	-	1597
% Lights	0%	96.5%	92.8%	0%	95.8%	-	95.7%	0%	94.7%	0%	95.0%	-	95.3%	98.1%	0%	0%	97.2%	-	0%	0%	0%	0%	0%	-	96.4%
Single-Unit Trucks	0	9	2	0	11	-	4	0	6	0	10	-	8	10	0	0	18	-	0	0	0	0	0	-	39
% Single-Unit Trucks	0%	3.1%	2.9%	0%	3.1%	-	3.4%	0%	2.6%	0%	2.9%	-	2.5%	1.6%	0%	0%	1.9%	-	0%	0%	0%	0%	0%	-	2.4%
Articulated Trucks	0	1	0	0	1	-	0	0	0	0	0	-	2	0	0	0	2	-	0	0	0	0	0	-	3
% Articulated Trucks	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.6%	0%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.2%
Buses	0	0	3	0	3	-	1	0	6	0	7	-	5	2	0	0	7	-	0	0	0	0	0	-	17
% Buses	0%	0%	4.3%	0%	0.8%	-	0.9%	0%	2.6%	0%	2.0%	-	1.6%	0.3%	0%	0%	0.7%	-	0%	0%	0%	0%	0%	-	1.0%
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%
Pedestrians	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	5	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	

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

239319 (9) Franklin @ Washington TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 3PM - 4 PM)

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

All Movements

ID: 1065012, Location: 42.201774, -71.007205

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Franklin Street (Route 37) Southbound						Washington Street Westbound						Washington Street (Route 37) Northbound						Driveway 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*		
2023-05-04 3:00PM	0	151	42	0	193	1	32	0	70	0	102	0	80	99	0	0	179	0	0	0	0	0	0	0	2	474
3:15PM	0	146	52	0	198	1	24	0	83	0	107	0	69	77	0	0	146	0	0	0	0	0	0	0	15	451
3:30PM	0	142	37	0	179	0	31	0	60	0	91	0	84	110	0	0	194	0	0	0	0	0	0	0	5	464
3:45PM	0	116	37	0	153	0	34	0	76	0	110	0	73	84	0	0	157	1	0	0	0	1	1	0	0	421
Total	0	555	168	0	723	2	121	0	289	0	410	0	306	370	0	0	676	1	0	0	0	1	1	22	22	1810
% Approach	0%	76.8%	23.2%	0%	-	-	29.5%	0%	70.5%	0%	-	-	45.3%	54.7%	0%	0%	-	-	0%	0%	0%	100%	-	-	-	-
% Total	0%	30.7%	9.3%	0%	39.9%	-	6.7%	0%	16.0%	0%	22.7%	-	16.9%	20.4%	0%	0%	37.3%	-	0%	0%	0%	0.1%	0.1%	-	-	-
PHF	-	0.919	0.808	-	0.913	-	0.890	-	0.870	-	0.932	-	0.911	0.841	-	-	0.871	-	-	-	-	0.250	0.250	-	0.955	-
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	0	550	164	0	714	-	118	0	281	0	399	-	299	358	0	0	657	-	0	0	0	1	1	-	1771	-
% Lights	0%	99.1%	97.6%	0%	98.8%	-	97.5%	0%	97.2%	0%	97.3%	-	97.7%	96.8%	0%	0%	97.2%	-	0%	0%	0%	100%	100%	-	97.8%	-
Single-Unit Trucks	0	2	1	0	3	-	2	0	5	0	7	-	3	8	0	0	11	-	0	0	0	0	0	-	21	-
% Single-Unit Trucks	0%	0.4%	0.6%	0%	0.4%	-	1.7%	0%	1.7%	0%	1.7%	-	1.0%	2.2%	0%	0%	1.6%	-	0%	0%	0%	0%	0%	-	1.2%	-
Articulated Trucks	0	1	0	0	1	-	0	0	1	0	1	-	0	2	0	0	2	-	0	0	0	0	0	-	4	-
% Articulated Trucks	0%	0.2%	0%	0%	0.1%	-	0%	0%	0.3%	0%	0.2%	-	0%	0.5%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.2%	-
Buses	0	2	3	0	5	-	1	0	2	0	3	-	4	2	0	0	6	-	0	0	0	0	0	-	14	-
% Buses	0%	0.4%	1.8%	0%	0.7%	-	0.8%	0%	0.7%	0%	0.7%	-	1.3%	0.5%	0%	0%	0.9%	-	0%	0%	0%	0%	0%	-	0.8%	-
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	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	22	-	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	0%	-	-	-	-	-	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

239319 (9) Franklin @ Washington TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:15PM - 1:15 PM) - Overall Peak Hour

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

All Movements

ID: 1065012, Location: 42.201774, -71.007205

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Franklin Street (Route 37) Southbound						Washington Street Westbound						Washington Street (Route 37) Northbound						Driveway 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*	
2023-05-06 12:15PM	0	125	45	0	170	1	38	0	78	0	116	0	63	118	0	0	181	0	0	1	0	0	1	2	468
12:30PM	0	110	44	0	154	1	47	0	67	0	114	0	56	119	0	0	175	0	0	0	0	0	0	1	443
12:45PM	0	112	42	0	154	0	42	1	58	0	101	0	77	103	0	0	180	0	0	0	0	0	0	0	435
1:00PM	0	132	45	0	177	0	37	0	61	0	98	0	57	142	0	0	199	0	0	0	0	0	0	0	474
Total	0	479	176	0	655	2	164	1	264	0	429	0	253	482	0	0	735	0	0	1	0	0	1	3	1820
% Approach	0%	73.1%	26.9%	0%	-	-	38.2%	0.2%	61.5%	0%	-	-	34.4%	65.6%	0%	0%	-	-	0%	100%	0%	0%	-	-	-
% Total	0%	26.3%	9.7%	0%	36.0%	-	9.0%	0.1%	14.5%	0%	23.6%	-	13.9%	26.5%	0%	0%	40.4%	-	0%	0.1%	0%	0%	0.1%	-	-
PHF	-	0.907	0.978	-	0.925	-	0.872	0.250	0.846	-	0.925	-	0.821	0.849	-	-	0.923	-	-	0.250	-	-	0.250	-	0.960
Motorcycles	0	3	0	0	3	-	0	0	3	0	3	-	0	1	0	0	1	-	0	0	0	0	0	-	7
% Motorcycles	0%	0.6%	0%	0%	0.5%	-	0%	0%	1.1%	0%	0.7%	-	0%	0.2%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.4%
Lights	0	472	175	0	647	-	163	1	259	0	423	-	251	476	0	0	727	-	0	1	0	0	1	-	1798
% Lights	0%	98.5%	99.4%	0%	98.8%	-	99.4%	100%	98.1%	0%	98.6%	-	99.2%	98.8%	0%	0%	98.9%	-	0%	100%	0%	0%	100%	-	98.8%
Single-Unit Trucks	0	2	0	0	2	-	0	0	1	0	1	-	2	2	0	0	4	-	0	0	0	0	0	-	7
% Single-Unit Trucks	0%	0.4%	0%	0%	0.3%	-	0%	0%	0.4%	0%	0.2%	-	0.8%	0.4%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0.4%
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%	0.4%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.2%
Buses	0	1	1	0	2	-	1	0	1	0	2	-	0	1	0	0	1	-	0	0	0	0	0	-	5
% Buses	0%	0.2%	0.6%	0%	0.3%	-	0.6%	0%	0.4%	0%	0.5%	-	0%	0.2%	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	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	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-
% Pedestrians	-	-	-	-	-	50.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.3%	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	2	-
% Bicycles on Crosswalk	-	-	-	-	-	50.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66.7%	-

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

239319 (9) Franklin @ Washington TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065012, Location: 42.201774, -71.007205

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Franklin Street (Route 37) Southbound						Washington Street Westbound						Washington Street (Route 37) Northbound						Driveway 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*	
2023-05-06 1:00PM	0	132	45	0	177	0	37	0	61	0	98	0	57	142	0	0	199	0	0	0	0	0	0	0	474
1:15PM	0	118	38	0	156	0	39	0	54	0	93	1	58	107	0	0	165	1	0	0	0	0	0	0	414
1:30PM	0	119	32	0	151	0	38	0	65	0	103	0	75	111	0	0	186	1	0	0	0	0	0	0	440
1:45PM	0	124	40	0	164	0	30	0	62	0	92	1	75	114	0	0	189	0	0	0	0	1	1	3	446
Total	0	493	155	0	648	0	144	0	242	0	386	2	265	474	0	0	739	2	0	0	0	1	1	7	1774
% Approach	0%	76.1%	23.9%	0%	-	-	37.3%	0%	62.7%	0%	-	-	35.9%	64.1%	0%	0%	-	-	0%	0%	0%	100%	-	-	-
% Total	0%	27.8%	8.7%	0%	36.5%	-	8.1%	0%	13.6%	0%	21.8%	-	14.9%	26.7%	0%	0%	41.7%	-	0%	0%	0%	0.1%	0.1%	-	-
PHF	-	0.934	0.861	-	0.915	-	0.923	-	0.931	-	0.937	-	0.883	0.831	-	-	0.926	-	-	-	-	0.250	0.250	-	0.935
Motorcycles	0	1	0	0	1	-	2	0	2	0	4	-	0	1	0	0	1	-	0	0	0	0	0	-	6
% Motorcycles	0%	0.2%	0%	0%	0.2%	-	1.4%	0%	0.8%	0%	1.0%	-	0%	0.2%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.3%
Lights	0	487	154	0	641	-	141	0	240	0	381	-	261	469	0	0	730	-	0	0	0	1	1	-	1753
% Lights	0%	98.8%	99.4%	0%	98.9%	-	97.9%	0%	99.2%	0%	98.7%	-	98.5%	98.9%	0%	0%	98.8%	-	0%	0%	0%	100%	100%	-	98.8%
Single-Unit Trucks	0	3	0	0	3	-	0	0	0	0	0	-	4	1	0	0	5	-	0	0	0	0	0	-	8
% Single-Unit Trucks	0%	0.6%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	1.5%	0.2%	0%	0%	0.7%	-	0%	0%	0%	0%	0%	-	0.5%
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%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	1	1	0	2	-	1	0	0	0	1	-	0	1	0	0	1	-	0	0	0	0	0	-	4
% Buses	0%	0.2%	0.6%	0%	0.3%	-	0.7%	0%	0%	0%	0.3%	-	0%	0.2%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0.2%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	6	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	-	100%	-	-	-	-	-	85.7%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	1	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	-	0%	-	-	-	-	-	14.3%	-

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

Leg Direction	Washington Street (Route 37) Southbound						Frederick Road Westbound						Washington Street (Route 37) Northbound						Pond 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
Buses	21	5	0	0	26	-	0	0	0	0	0	-	1	5	27	0	33	-	24	1	22	0	47	-	106
% Buses	0.9%	0.1%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	3.1%	0.1%	1.2%	0%	0.5%	-	1.2%	0.2%	0.9%	0%	1.0%	-	0.6%
Bicycles on Road	3	0	0	0	3	-	0	0	0	0	0	-	0	3	0	0	3	-	1	0	0	0	1	-	7
% Bicycles on Road	0.1%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0%	-	0.1%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	7	-	-	-	-	-	14	-	-	-	-	-	4	-	-	-	-	-	15	
% Pedestrians	-	-	-	-	-	-63.6%	-	-	-	-	-	-93.3%	-	-	-	-	-	-80.0%	-	-	-	-	-	-75.0%	-
Bicycles on Crosswalk	-	-	-	-	-	4	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	5	
% Bicycles on Crosswalk	-	-	-	-	-	-36.4%	-	-	-	-	-	-6.7%	-	-	-	-	-	-20.0%	-	-	-	-	-	-25.0%	-

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

239319 (10) Washington @ Frederick TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7AM - 8 AM)

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

All Movements

ID: 1065013, Location: 42.19993, -71.007548

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Frederick Road Westbound						Washington Street (Route 37) Northbound						Pond 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
2023-05-04 7:00AM	76	46	1	0	123	0	0	0	0	1	1	0	0	158	115	0	273	0	48	6	50	0	104	1	501
7:15AM	82	55	1	0	138	0	0	0	0	0	0	0	0	109	153	0	262	0	55	2	72	0	129	2	529
7:30AM	46	64	1	0	111	1	0	0	0	0	0	1	2	165	75	0	242	0	69	13	87	0	169	1	522
7:45AM	64	71	0	0	135	0	0	0	0	0	0	0	1	167	90	0	258	0	70	9	110	0	189	0	582
Total	268	236	3	0	507	1	0	0	0	1	1	1	3	599	433	0	1035	0	242	30	319	0	591	4	2134
% Approach	52.9%	46.5%	0.6%	0%	-	-	0% 0% 0% 100%	-	-	0.3%	57.9%	41.8%	0%	-	-	40.9%	5.1%	54.0%	0%	-	-	-	-		
% Total	12.6%	11.1%	0.1%	0%	23.8%	-	0% 0% 0% 0%	0%	0%	-	0.1%	28.1%	20.3%	0%	48.5%	-	11.3%	1.4%	14.9%	0%	27.7%	-	-		
PHF	0.814	0.831	0.750	-	0.917	-	-	-	-	0.250	0.250	-	0.375	0.897	0.708	-	0.948	-	0.864	0.577	0.725	-	0.782	-	0.916
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%		
Lights	254	225	3	0	482	-	0	0	0	1	1	-	3	577	417	0	997	-	221	30	305	0	556	-	2036
% Lights	94.8%	95.3%	100%	0%	95.1%	-	0% 0% 0% 100%	100%	-	100%	96.3%	96.3%	0%	96.3%	-	91.3%	100%	95.6%	0%	94.1%	-	95.4%			
Single-Unit Trucks	2	4	0	0	6	-	0	0	0	0	0	-	0	16	5	0	21	-	5	0	5	0	10	-	37
% Single-Unit Trucks	0.7%	1.7%	0%	0%	1.2%	-	0% 0% 0% 0%	0%	0%	-	0%	2.7%	1.2%	0%	2.0%	-	2.1%	0%	1.6%	0%	1.7%	-	1.7%		
Articulated Trucks	0	5	0	0	5	-	0	0	0	0	0	-	0	5	1	0	6	-	3	0	1	0	4	-	15
% Articulated Trucks	0%	2.1%	0%	0%	1.0%	-	0% 0% 0% 0%	0%	0%	-	0%	0.8%	0.2%	0%	0.6%	-	1.2%	0%	0.3%	0%	0.7%	-	0.7%		
Buses	11	2	0	0	13	-	0	0	0	0	0	-	0	1	10	0	11	-	13	0	8	0	21	-	45
% Buses	4.1%	0.8%	0%	0%	2.6%	-	0% 0% 0% 0%	0%	0%	-	0%	0.2%	2.3%	0%	1.1%	-	5.4%	0%	2.5%	0%	3.6%	-	2.1%		
Bicycles on Road	1	0	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Bicycles on Road	0.4%	0%	0%	0%	0.2%	-	0% 0% 0% 0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%		
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	2	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	50.0%	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	2	
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	50.0%	

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

239319 (10) Washington @ Frederick TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:30PM - 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: 1065013, Location: 42.19993, -71.007548

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Frederick Road Westbound						Washington Street (Route 37) Northbound						Pond 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
2023-05-04 4:30PM	66	101	9	0	176	0	0	0	0	0	0	0	1	104	68	0	173	0	69	33	89	0	191	1	540
4:45PM	58	108	4	0	170	1	0	0	0	0	0	1	3	86	85	0	174	0	73	28	79	0	180	0	524
5:00PM	96	124	2	0	222	0	0	0	0	0	0	0	0	91	64	0	155	0	72	28	80	0	180	0	557
5:15PM	98	110	3	0	211	0	0	0	0	0	0	1	2	103	87	0	192	0	39	27	78	0	144	0	547
Total	318	443	18	0	779	1	0	0	0	0	0	2	6	384	304	0	694	0	253	116	326	0	695	1	2168
% Approach	40.8%	56.9%	2.3%	0%	-	-	0% 0% 0% 0%	-	-	0.9%	55.3%	43.8%	0%	-	-	36.4%	16.7%	46.9%	0%	-	-	-			
% Total	14.7%	20.4%	0.8%	0%	35.9%	-	0% 0% 0% 0%	0%	-	0.3%	17.7%	14.0%	0%	32.0%	-	11.7%	5.4%	15.0%	0%	32.1%	-	-			
PHF	0.817	0.893	0.500	-	0.876	-	-	-	-	-	-	-	0.500	0.923	0.874	-	0.904	-	0.866	0.879	0.916	-	0.910	-	0.973
Motorcycles	1	0	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	1	1	0	2	-	3
% Motorcycles	0.3%	0%	0%	0%	0.1%	-	0% 0% 0% 0%	-	-	0%	0%	0%	0%	0%	-	0%	0.9%	0.3%	0%	0.3%	-	0.1%			
Lights	309	440	18	0	767	-	0	0	0	0	0	-	6	379	298	0	683	-	251	115	323	0	689	-	2139
% Lights	97.2%	99.3%	100%	0%	98.5%	-	0% 0% 0% 0%	-	-	100%	98.7%	98.0%	0%	98.4%	-	99.2%	99.1%	99.1%	0%	99.1%	-	98.7%			
Single-Unit Trucks	5	2	0	0	7	-	0	0	0	0	0	-	0	4	4	0	8	-	1	0	0	0	1	-	16
% Single-Unit Trucks	1.6%	0.5%	0%	0%	0.9%	-	0% 0% 0% 0%	-	-	0%	1.0%	1.3%	0%	1.2%	-	0.4%	0%	0%	0%	0.1%	-	0.7%			
Articulated Trucks	0	1	0	0	1	-	0	0	0	0	0	-	0	1	1	0	2	-	0	0	0	0	0	-	3
% Articulated Trucks	0%	0.2%	0%	0%	0.1%	-	0% 0% 0% 0%	-	-	0%	0.3%	0.3%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.1%			
Buses	2	0	0	0	2	-	0	0	0	0	0	-	0	0	1	0	1	-	1	0	2	0	3	-	6
% Buses	0.6%	0%	0%	0%	0.3%	-	0% 0% 0% 0%	-	-	0%	0%	0.3%	0%	0.1%	-	0.4%	0%	0.6%	0%	0.4%	-	0.3%			
Bicycles on Road	1	0	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Bicycles on Road	0.3%	0%	0%	0%	0.1%	-	0% 0% 0% 0%	-	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%			
Pedestrians	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	1	-	1
% Pedestrians	-	-	-	-	0%	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	100%	-	-
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	0
% Bicycles on Crosswalk	-	-	-	-	100%	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	0%	-	-

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

239319 (10) Washington @ Frederick TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 11:30AM - 12:30 PM)

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

All Movements

ID: 1065013, Location: 42.19993, -71.007548

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Frederick Road Westbound						Washington Street (Route 37) Northbound						Pond 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
2023-05-06 11:30AM	60	102	0	0	162	0	0	0	0	0	0	2	0	124	53	0	177	0	52	3	82	0	137	0	476
11:45AM	62	85	2	0	149	0	0	0	0	0	0	2	0	153	66	0	219	0	62	12	67	0	141	1	509
12:00PM	72	103	2	0	177	0	0	0	0	0	0	0	0	100	50	0	150	0	63	10	82	0	155	2	482
12:15PM	76	125	4	0	205	1	0	0	0	0	0	0	0	128	46	0	174	0	51	8	57	0	116	0	495
Total	270	415	8	0	693	1	0	0	0	0	0	4	0	505	215	0	720	0	228	33	288	0	549	3	1962
% Approach	39.0%	59.9%	1.2%	0%	-	-	0%	0%	0%	0%	-	-	0%	70.1%	29.9%	0%	-	-	41.5%	6.0%	52.5%	0%	-	-	-
% Total	13.8%	21.2%	0.4%	0%	35.3%	-	0%	0%	0%	0%	0%	-	0%	25.7%	11.0%	0%	36.7%	-	11.6%	1.7%	14.7%	0%	28.0%	-	-
PHF	0.888	0.830	0.500	-	0.845	-	-	-	-	-	-	-	-	0.825	0.814	-	0.822	-	0.905	0.688	0.878	-	0.885	-	0.964
Motorcycles	1	2	0	0	3	-	0	0	0	0	0	-	0	1	1	0	2	-	2	0	1	0	3	-	8
% Motorcycles	0.4%	0.5%	0%	0%	0.4%	-	0%	0%	0%	0%	-	-	0%	0.2%	0.5%	0%	0.3%	-	0.9%	0%	0.3%	0%	0.5%	-	0.4%
Lights	266	407	8	0	681	-	0	0	0	0	0	-	0	500	211	0	711	-	224	32	281	0	537	-	1929
% Lights	98.5%	98.1%	100%	0%	98.3%	-	0%	0%	0%	0%	-	-	0%	99.0%	98.1%	0%	98.8%	-	98.2%	97.0%	97.6%	0%	97.8%	-	98.3%
Single-Unit Trucks	3	4	0	0	7	-	0	0	0	0	0	-	0	3	2	0	5	-	1	1	3	0	5	-	17
% Single-Unit Trucks	1.1%	1.0%	0%	0%	1.0%	-	0%	0%	0%	0%	-	-	0%	0.6%	0.9%	0%	0.7%	-	0.4%	3.0%	1.0%	0%	0.9%	-	0.9%
Articulated Trucks	0	2	0	0	2	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	3	0	3	-	6
% Articulated Trucks	0%	0.5%	0%	0%	0.3%	-	0%	0%	0%	0%	-	-	0%	0.2%	0%	0%	0.1%	-	0%	0%	1.0%	0%	0.5%	-	0.3%
Buses	0	0	0	0	0	-	0	0	0	0	0	-	0	0	1	0	1	-	1	0	0	0	1	-	2
% Buses	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%	0%	0.5%	0%	0.1%	-	0.4%	0%	0%	0%	0.2%	-	0.1%
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	-	-	-	-	-	0	-	-	-	-	-	4	-	-	-	-	-	0	-	-	-	-	-	2	-
% Pedestrians	-	-	-	-	-	0%	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	66.7%	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-
% Bicycles on Crosswalk	-	-	-	-	-	100%	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	33.3%	-

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

239319 (10) Washington @ Frederick TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065013, Location: 42.19993, -71.007548

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Frederick Road Westbound						Washington Street (Route 37) Northbound						Pond 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	
2023-05-06 1:00PM	61	131	2	0	194	0	0	0	0	0	0	0	0	130	55	0	185	0	66	4	62	0	132	0	511	
1:15PM	57	110	2	0	169	0	0	0	0	0	0	1	1	120	36	0	157	0	45	7	54	0	106	0	432	
1:30PM	77	116	3	0	196	0	0	0	0	0	0	1	2	125	41	0	168	0	47	7	64	0	118	0	482	
1:45PM	67	115	1	0	183	0	0	0	0	0	0	1	0	118	46	0	164	0	54	7	77	0	138	1	485	
Total	262	472	8	0	742	0	0	0	0	0	0	3	3	493	178	0	674	0	212	25	257	0	494	1	1910	
% Approach	35.3%	63.6%	1.1%	0%	-	-	0% 0% 0% 0%	-	-	0.4%	73.1%	26.4%	0%	-	-	42.9%	5.1%	52.0%	0%	-	-	-	-	-	-	-
% Total	13.7%	24.7%	0.4%	0%	38.8%	-	0% 0% 0% 0%	0%	-	0.2%	25.8%	9.3%	0%	35.3%	-	11.1%	1.3%	13.5%	0%	25.9%	-	-	-	-	-	-
PHF	0.851	0.901	0.667	-	0.946	-	-	-	-	-	-	-	0.375	0.944	0.809	-	0.908	-	0.803	0.893	0.834	-	0.895	-	0.933	
Motorcycles	1	1	0	0	2	-	0	0	0	0	0	-	0	1	2	0	3	-	1	0	0	0	1	-	6	
% Motorcycles	0.4%	0.2%	0%	0%	0.3%	-	0% 0% 0% 0%	-	-	0%	0.2%	1.1%	0%	0.4%	-	0.5%	0%	0%	0%	0.2%	-	0.3%	-	-	-	0.3%
Lights	261	467	8	0	736	-	0	0	0	0	0	-	2	489	173	0	664	-	209	25	253	0	487	-	1887	
% Lights	99.6%	98.9%	100%	0%	99.2%	-	0% 0% 0% 0%	-	-	66.7%	99.2%	97.2%	0%	98.5%	-	98.6%	100%	98.4%	0%	98.6%	-	98.8%	-	-	-	98.8%
Single-Unit Trucks	0	2	0	0	2	-	0	0	0	0	0	-	1	1	0	0	2	-	1	0	2	0	3	-	7	
% Single-Unit Trucks	0%	0.4%	0%	0%	0.3%	-	0% 0% 0% 0%	-	-	33.3%	0.2%	0%	0%	0.3%	-	0.5%	0%	0.8%	0%	0.6%	-	0.4%	-	-	-	0.4%
Articulated Trucks	0	1	0	0	1	-	0	0	0	0	0	-	0	0	2	0	2	-	1	0	0	0	1	-	4	
% Articulated Trucks	0%	0.2%	0%	0%	0.1%	-	0% 0% 0% 0%	-	-	0%	0%	1.1%	0%	0.3%	-	0.5%	0%	0%	0%	0.2%	-	0.2%	-	-	-	0.2%
Buses	0	1	0	0	1	-	0	0	0	0	0	-	0	0	1	0	1	-	0	0	2	0	2	-	4	
% Buses	0%	0.2%	0%	0%	0.1%	-	0% 0% 0% 0%	-	-	0%	0%	0.6%	0%	0.1%	-	0%	0%	0.8%	0%	0.4%	-	0.2%	-	-	-	0.2%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	2	
% Bicycles on Road	0%	0%	0%	0%	0%	-	0% 0% 0% 0%	-	-	0%	0.4%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.1%	-	-	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	3	-	-	-	-	-	0	-	-	-	-	-	1	-	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-	100%	
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-	0%	

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

Leg Direction	Hancock Street Southbound						Plain Street Westbound						Hancock Street (Route 37) Northbound						Washington Street (Route 37) 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
% Buses	0%	1.0%	0.3%	0%	0.8%	-	0.2%	0.4%	0.6%	0%	0.4%	-	0.4%	1.0%	0.5%	0%	0.7%	-	0.5%	0.6%	0%	0%	0.5%	-	0.6%
Bicycles on Road	0	0	1	0	1	-	0	1	0	0	1	-	3	1	2	0	6	-	0	0	0	0	0	-	8
% Bicycles on Road	0%	0%	0.1%	0%	0%	-	0%	0%	0%	0%	0%	-	0.2%	0%	0.1%	0%	0.1%	-	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	7	-	-	-	-	-	3	-	-	-	-	-	9	-	-	-	-	-	10	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	75.0%	-	-	-	-	-	83.3%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	3	-	-	-	-	-	2	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	25.0%	-	-	-	-	-	16.7%	-

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

239319 (11) Washington @ Hancock TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065017, Location: 42.196203, -71.005172

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Hancock Street Southbound						Plain Street Westbound						Hancock Street (Route 37) Northbound						Washington Street (Route 37) 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*	
2023-05-04 7:45AM	0	82	11	0	93	0	7	103	36	0	146	1	55	112	118	0	285	0	67	54	2	0	123	0	647
8:00AM	1	58	15	0	74	1	11	89	32	0	132	0	41	99	93	0	233	0	48	48	1	0	97	0	536
8:15AM	3	70	17	0	90	0	15	86	17	0	118	0	47	123	98	0	268	0	48	37	0	0	85	0	561
8:30AM	1	68	25	0	94	0	18	112	31	0	161	0	52	96	105	0	253	0	68	44	2	0	114	0	622
Total	5	278	68	0	351	1	51	390	116	0	557	1	195	430	414	0	1039	0	231	183	5	0	419	0	2366
% Approach	1.4%	79.2%	19.4%	0%	-	-	9.2%	70.0%	20.8%	0%	-	-	18.8%	41.4%	39.8%	0%	-	-	55.1%	43.7%	1.2%	0%	-	-	-
% Total	0.2%	11.7%	2.9%	0%	14.8%	-	2.2%	16.5%	4.9%	0%	23.5%	-	8.2%	18.2%	17.5%	0%	43.9%	-	9.8%	7.7%	0.2%	0%	17.7%	-	-
PHF	0.417	0.848	0.698	-	0.941	-	0.708	0.871	0.806	-	0.865	-	0.886	0.874	0.877	-	0.911	-	0.849	0.847	0.625	-	0.852	-	0.914
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	5	268	66	0	339	-	48	375	113	0	536	-	191	415	407	0	1013	-	220	178	5	0	403	-	2291
% Lights	100%	96.4%	97.1%	0%	96.6%	-	94.1%	96.2%	97.4%	0%	96.2%	-	97.9%	96.5%	98.3%	0%	97.5%	-	95.2%	97.3%	100%	0%	96.2%	-	96.8%
Single-Unit Trucks	0	5	0	0	5	-	2	10	1	0	13	-	3	3	5	0	11	-	5	2	0	0	7	-	36
% Single-Unit Trucks	0%	1.8%	0%	0%	1.4%	-	3.9%	2.6%	0.9%	0%	2.3%	-	1.5%	0.7%	1.2%	0%	1.1%	-	2.2%	1.1%	0%	0%	1.7%	-	1.5%
Articulated Trucks	0	1	1	0	2	-	1	1	0	0	2	-	0	4	0	0	4	-	2	2	0	0	4	-	12
% Articulated Trucks	0%	0.4%	1.5%	0%	0.6%	-	2.0%	0.3%	0%	0%	0.4%	-	0%	0.9%	0%	0%	0.4%	-	0.9%	1.1%	0%	0%	1.0%	-	0.5%
Buses	0	4	0	0	4	-	0	4	2	0	6	-	1	8	2	0	11	-	4	1	0	0	5	-	26
% Buses	0%	1.4%	0%	0%	1.1%	-	0%	1.0%	1.7%	0%	1.1%	-	0.5%	1.9%	0.5%	0%	1.1%	-	1.7%	0.5%	0%	0%	1.2%	-	1.1%
Bicycles on Road	0	0	1	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Bicycles on Road	0%	0%	1.5%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-	-

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

239319 (11) Washington @ Hancock TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:30PM - 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: 1065017, Location: 42.196203, -71.005172

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Hancock Street Southbound					Plain Street Westbound					Hancock Street (Route 37) Northbound					Washington Street (Route 37) 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																					
2023-05-04 4:30PM	3	92	50	0	145	17	92	59	0	168	40	70	60	0	170	99	76	0	0	175	658
4:45PM	1	134	49	0	184	12	92	43	0	147	49	90	56	0	195	78	79	0	0	157	683
5:00PM	1	77	32	0	110	10	78	58	0	146	47	83	74	0	204	105	76	0	0	181	641
5:15PM	4	95	65	0	164	15	95	54	0	164	39	86	78	0	203	75	66	0	0	141	672
Total	9	398	196	0	603	54	357	214	0	625	175	329	268	0	772	357	297	0	0	654	2654
% Approach	1.5%	66.0%	32.5%	0%	-	8.6%	57.1%	34.2%	0%	-	22.7%	42.6%	34.7%	0%	-	54.6%	45.4%	0%	0%	-	-
% Total	0.3%	15.0%	7.4%	0%	22.7%	2.0%	13.5%	8.1%	0%	23.5%	6.6%	12.4%	10.1%	0%	29.1%	13.5%	11.2%	0%	0%	24.6%	-
PHF	0.563	0.743	0.754	-	0.819	0.794	0.937	0.907	-	0.929	0.893	0.914	0.859	-	0.946	0.850	0.940	-	-	0.903	0.973
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	9	389	193	0	591	51	351	207	0	609	174	326	261	0	761	356	292	0	0	648	2609
% Lights	100%	97.7%	98.5%	0%	98.0%	94.4%	98.3%	96.7%	0%	97.4%	99.4%	99.1%	97.4%	0%	98.6%	99.7%	98.3%	0%	0%	99.1%	98.3%
Single-Unit Trucks	0	6	3	0	9	1	3	7	0	11	0	1	6	0	7	1	4	0	0	5	32
% Single-Unit Trucks	0%	1.5%	1.5%	0%	1.5%	1.9%	0.8%	3.3%	0%	1.8%	0%	0.3%	2.2%	0%	0.9%	0.3%	1.3%	0%	0%	0.8%	1.2%
Articulated Trucks	0	1	0	0	1	1	2	0	0	3	0	1	1	0	2	0	0	0	0	0	6
% Articulated Trucks	0%	0.3%	0%	0%	0.2%	1.9%	0.6%	0%	0%	0.5%	0%	0.3%	0.4%	0%	0.3%	0%	0%	0%	0%	0%	0.2%
Buses	0	2	0	0	2	1	0	0	0	1	1	1	0	0	2	0	1	0	0	1	6
% Buses	0%	0.5%	0%	0%	0.3%	1.9%	0%	0%	0%	0.2%	0.6%	0.3%	0%	0%	0.3%	0%	0.3%	0%	0%	0.2%	0.2%
Bicycles on Road	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
% Bicycles on Road	0%	0%	0%	0%	0%	0%	0.3%	0%	0%	0.2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	3	-	-	-	-	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

239319 (11) Washington @ Hancock TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 11:30AM - 12:30 PM)

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

All Movements

ID: 1065017, Location: 42.196203, -71.005172

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Hancock Street Southbound						Plain Street Westbound						Hancock Street (Route 37) Northbound						Washington Street (Route 37) 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*	
2023-05-06 11:30AM	4	92	17	0	113	1	18	79	37	0	134	0	46	81	85	0	212	0	87	71	5	0	163	0	622
11:45AM	4	86	19	0	109	1	24	78	43	0	145	0	58	95	104	0	257	0	74	60	3	0	137	1	648
12:00PM	2	83	19	0	104	0	19	59	36	0	114	0	48	88	67	0	203	2	89	79	1	0	169	0	590
12:15PM	4	89	21	0	114	0	16	73	44	0	133	0	38	80	78	0	196	0	91	63	2	0	156	2	599
Total	14	350	76	0	440	2	77	289	160	0	526	0	190	344	334	0	868	2	341	273	11	0	625	3	2459
% Approach	3.2%	79.5%	17.3%	0%	-	-	14.6%	54.9%	30.4%	0%	-	-	21.9%	39.6%	38.5%	0%	-	-	54.6%	43.7%	1.8%	0%	-	-	-
% Total	0.6%	14.2%	3.1%	0%	17.9%	-	3.1%	11.8%	6.5%	0%	21.4%	-	7.7%	14.0%	13.6%	0%	35.3%	-	13.9%	11.1%	0.4%	0%	25.4%	-	-
PHF	0.875	0.951	0.905	-	0.965	-	0.802	0.915	0.909	-	0.907	-	0.819	0.905	0.803	-	0.844	-	0.937	0.864	0.550	-	0.925	-	0.949
Motorcycles	0	2	0	0	2	-	1	0	0	0	1	-	2	0	2	0	4	-	4	1	0	0	5	-	12
% Motorcycles	0%	0.6%	0%	0%	0.5%	-	1.3%	0%	0%	0%	0.2%	-	1.1%	0%	0.6%	0%	0.5%	-	1.2%	0.4%	0%	0%	0.8%	-	0.5%
Lights	14	343	75	0	432	-	75	288	159	0	522	-	186	342	330	0	858	-	332	269	11	0	612	-	2424
% Lights	100%	98.0%	98.7%	0%	98.2%	-	97.4%	99.7%	99.4%	0%	99.2%	-	97.9%	99.4%	98.8%	0%	98.8%	-	97.4%	98.5%	100%	0%	97.9%	-	98.6%
Single-Unit Trucks	0	3	1	0	4	-	1	0	1	0	2	-	2	0	2	0	4	-	4	0	0	0	4	-	14
% Single-Unit Trucks	0%	0.9%	1.3%	0%	0.9%	-	1.3%	0%	0.6%	0%	0.4%	-	1.1%	0%	0.6%	0%	0.5%	-	1.2%	0%	0%	0%	0.6%	-	0.6%
Articulated Trucks	0	1	0	0	1	-	0	1	0	0	1	-	0	0	0	0	0	-	1	1	0	0	2	-	4
% Articulated Trucks	0%	0.3%	0%	0%	0.2%	-	0%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.3%	0.4%	0%	0%	0.3%	-	0.2%
Buses	0	1	0	0	1	-	0	0	0	0	0	-	0	2	0	0	2	-	0	2	0	0	2	-	5
% Buses	0%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0.6%	0%	0%	0.2%	-	0%	0.7%	0%	0%	0.3%	-	0.2%
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	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	3	-
% 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

239319 (11) Washington @ Hancock TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065017, Location: 42.196203, -71.005172

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Hancock Street Southbound						Plain Street Westbound						Hancock Street (Route 37) Northbound						Washington Street (Route 37) 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*	
2023-05-06 1:00PM	1	105	17	0	123	0	17	71	38	0	126	0	44	80	88	0	212	0	102	76	0	0	178	0	639
1:15PM	5	68	15	0	88	0	14	61	47	0	122	2	46	82	78	0	206	0	82	65	0	0	147	2	563
1:30PM	6	88	16	0	110	0	10	71	31	0	112	0	33	66	73	0	172	0	95	59	1	0	155	0	549
1:45PM	1	62	18	0	81	0	13	81	32	0	126	0	32	97	83	0	212	1	84	75	1	0	160	0	579
Total	13	323	66	0	402	0	54	284	148	0	486	2	155	325	322	0	802	1	363	275	2	0	640	2	2330
% Approach	3.2%	80.3%	16.4%	0%	-	-	11.1%	58.4%	30.5%	0%	-	-	19.3%	40.5%	40.1%	0%	-	-	56.7%	43.0%	0.3%	0%	-	-	-
% Total	0.6%	13.9%	2.8%	0%	17.3%	-	2.3%	12.2%	6.4%	0%	20.9%	-	6.7%	13.9%	13.8%	0%	34.4%	-	15.6%	11.8%	0.1%	0%	27.5%	-	-
PHF	0.542	0.769	0.917	-	0.817	-	0.794	0.877	0.787	-	0.964	-	0.842	0.838	0.930	-	0.943	-	0.890	0.905	0.500	-	0.899	-	0.914
Motorcycles	0	2	1	0	3	-	0	0	0	0	0	-	3	3	3	0	9	-	0	2	0	0	2	-	14
% Motorcycles	0%	0.6%	1.5%	0%	0.7%	-	0%	0%	0%	0%	0%	-	1.9%	0.9%	0.9%	0%	1.1%	-	0%	0.7%	0%	0%	0.3%	-	0.6%
Lights	13	315	63	0	391	-	54	279	146	0	479	-	150	317	315	0	782	-	358	269	2	0	629	-	2281
% Lights	100%	97.5%	95.5%	0%	97.3%	-	100%	98.2%	98.6%	0%	98.6%	-	96.8%	97.5%	97.8%	0%	97.5%	-	98.6%	97.8%	100%	0%	98.3%	-	97.9%
Single-Unit Trucks	0	4	2	0	6	-	0	4	1	0	5	-	1	3	1	0	5	-	5	3	0	0	8	-	24
% Single-Unit Trucks	0%	1.2%	3.0%	0%	1.5%	-	0%	1.4%	0.7%	0%	1.0%	-	0.6%	0.9%	0.3%	0%	0.6%	-	1.4%	1.1%	0%	0%	1.3%	-	1.0%
Articulated Trucks	0	0	0	0	0	-	0	0	0	0	0	-	0	1	1	0	2	-	0	1	0	0	1	-	3
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.3%	0.3%	0%	0.2%	-	0%	0.4%	0%	0%	0.2%	-	0.1%
Buses	0	2	0	0	2	-	0	1	1	0	2	-	1	1	0	0	2	-	0	0	0	0	0	-	6
% Buses	0%	0.6%	0%	0%	0.5%	-	0%	0.4%	0.7%	0%	0.4%	-	0.6%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.3%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	0	2	0	2	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0.6%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	2	-
% 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

239319 (12) Washington @ Braxton TMC - TMC

Thu May 4, 2023

Full Length (11 AM-2 PM, 6 AM-9 AM, 3 PM-6 PM)

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

All Movements

ID: 1065020, Location: 42.188421, -71.007562

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Washington Street (Route 37) Northbound					Braxton Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2023-05-04 6:00AM	1	34	0	35	0	172	1	0	173	0	1	2	0	3	0	211
6:15AM	8	62	0	70	0	209	0	0	209	0	0	0	0	0	0	279
6:30AM	18	74	0	92	0	223	12	0	235	0	0	4	0	4	0	331
6:45AM	22	87	0	109	0	279	10	0	289	0	2	2	0	4	0	402
Hourly Total	49	257	0	306	0	883	23	0	906	0	3	8	0	11	0	1223
7:00AM	3	94	0	97	0	298	5	0	303	0	2	1	0	3	0	403
7:15AM	6	111	0	117	0	243	3	0	246	0	0	5	0	5	0	368
7:30AM	6	125	0	131	0	252	7	0	259	0	2	10	0	12	0	402
7:45AM	10	174	0	184	0	263	8	0	271	0	1	8	0	9	0	464
Hourly Total	25	504	0	529	0	1056	23	0	1079	0	5	24	0	29	0	1637
8:00AM	6	143	0	149	0	267	11	0	278	0	2	4	0	6	1	433
8:15AM	14	116	0	130	0	253	11	0	264	0	5	3	0	8	0	402
8:30AM	24	170	0	194	0	233	10	0	243	0	1	6	0	7	0	444
8:45AM	24	115	0	139	0	224	12	0	236	0	5	4	0	9	0	384
Hourly Total	68	544	0	612	0	977	44	0	1021	0	13	17	0	30	1	1663
3:00PM	12	189	0	201	0	175	4	0	179	0	12	50	0	62	0	442
3:15PM	7	217	0	224	0	161	8	0	169	2	6	14	0	20	1	413
3:30PM	12	228	0	240	0	167	5	0	172	0	7	8	0	15	0	427
3:45PM	8	241	0	249	0	169	1	0	170	1	10	17	0	27	0	446
Hourly Total	39	875	0	914	0	672	18	0	690	3	35	89	0	124	1	1728
4:00PM	5	252	0	257	0	156	3	0	159	1	7	15	0	22	0	438
4:15PM	13	236	0	249	0	176	4	0	180	0	7	11	0	18	0	447
4:30PM	16	240	0	256	0	157	4	0	161	0	9	15	0	24	0	441
4:45PM	16	239	0	255	0	178	7	0	185	0	8	22	0	30	0	470
Hourly Total	50	967	0	1017	0	667	18	0	685	1	31	63	0	94	0	1796
5:00PM	10	221	0	231	0	187	5	0	192	1	13	26	0	39	1	462
5:15PM	7	220	0	227	0	194	8	0	202	0	6	17	0	23	0	452
5:30PM	30	210	0	240	0	165	17	0	182	0	13	14	0	27	0	449
5:45PM	18	218	0	236	0	171	15	0	186	0	11	13	0	24	0	446
Hourly Total	65	869	0	934	0	717	45	0	762	1	43	70	0	113	1	1809
2023-05-06 11:00AM	12	158	0	170	0	171	8	0	179	0	7	39	0	46	0	395
11:15AM	30	179	0	209	0	177	7	0	184	1	3	18	0	21	2	414
11:30AM	29	176	0	205	0	202	4	0	206	0	12	19	0	31	1	442
11:45AM	14	192	1	207	0	202	6	0	208	0	14	61	0	75	1	490
Hourly Total	85	705	1	791	0	752	25	0	777	1	36	137	0	173	4	1741
12:00PM	18	187	0	205	0	168	1	0	169	0	3	15	0	18	0	392
12:15PM	21	209	0	230	0	199	10	0	209	0	5	11	0	16	2	455
12:30PM	15	213	0	228	0	227	5	0	232	0	2	6	0	8	0	468
12:45PM	11	208	0	219	0	199	4	0	203	0	3	20	0	23	0	445
Hourly Total	65	817	0	882	0	793	20	0	813	0	13	52	0	65	2	1760
1:00PM	13	229	0	242	0	193	2	0	195	0	10	16	0	26	0	463
1:15PM	13	189	0	202	0	179	4	0	183	0	1	25	0	26	0	411
1:30PM	12	208	0	220	0	159	9	0	168	0	2	11	0	13	0	401
1:45PM	9	163	0	172	0	191	5	0	196	0	8	33	0	41	0	409
Hourly Total	47	789	0	836	0	722	20	0	742	0	21	85	0	106	0	1684
Total	493	6327	1	6821	0	7239	236	0	7475	6	200	545	0	745	9	15041
% Approach	7.2%	92.8%	0%	-	-	96.8%	3.2%	0%	-	-	26.8%	73.2%	0%	-	-	-
% Total	3.3%	42.1%	0%	45.3%	-	48.1%	1.6%	0%	49.7%	-	1.3%	3.6%	0%	5.0%	-	-
Motorcycles	0	11	0	11	-	14	0	0	14	-	0	0	0	0	-	25
% Motorcycles	0%	0.2%	0%	0.2%	-	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0.2%
Lights	489	6163	1	6653	-	7093	234	0	7327	-	199	536	0	735	-	14715
% Lights	99.2%	97.4%	100%	97.5%	-	98.0%	99.2%	0%	98.0%	-	99.5%	98.3%	0%	98.7%	-	97.8%

Leg Direction	Washington Street (Route 37) Southbound					Washington Street (Route 37) Northbound					Braxton Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
Time																
Single-Unit Trucks	3	97	0	100	-	57	1	0	58	-	1	5	0	6	-	164
% Single-Unit Trucks	0.6%	1.5%	0%	1.5%	-	0.8%	0.4%	0%	0.8%	-	0.5%	0.9%	0%	0.8%	-	1.1%
Articulated Trucks	0	13	0	13	-	17	1	0	18	-	0	1	0	1	-	32
% Articulated Trucks	0%	0.2%	0%	0.2%	-	0.2%	0.4%	0%	0.2%	-	0%	0.2%	0%	0.1%	-	0.2%
Buses	1	43	0	44	-	52	0	0	52	-	0	3	0	3	-	99
% Buses	0.2%	0.7%	0%	0.6%	-	0.7%	0%	0%	0.7%	-	0%	0.6%	0%	0.4%	-	0.7%
Bicycles on Road	0	0	0	0	-	6	0	0	6	-	0	0	0	0	-	6
% Bicycles on Road	0%	0%	0%	0%	-	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	4	-	-	-	-	7	-
% Pedestrians	-	-	-	-	-	-	-	-	-	66.7%	-	-	-	-	77.8%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	2	-	-	-	-	2	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	33.3%	-	-	-	-	22.2%	-

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

239319 (12) Washington @ Braxton TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065020, Location: 42.188421, -71.007562

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Washington Street (Route 37) Northbound					Braxton Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2023-05-04 7:45AM	10	174	0	184	0	263	8	0	271	0	1	8	0	9	0	464
8:00AM	6	143	0	149	0	267	11	0	278	0	2	4	0	6	1	433
8:15AM	14	116	0	130	0	253	11	0	264	0	5	3	0	8	0	402
8:30AM	24	170	0	194	0	233	10	0	243	0	1	6	0	7	0	444
Total	54	603	0	657	0	1016	40	0	1056	0	9	21	0	30	1	1743
% Approach	8.2%	91.8%	0%	-	-	96.2%	3.8%	0%	-	-	30.0%	70.0%	0%	-	-	-
% Total	3.1%	34.6%	0%	37.7%	-	58.3%	2.3%	0%	60.6%	-	0.5%	1.2%	0%	1.7%	-	-
PHF	0.563	0.866	-	0.847	-	0.951	0.909	-	0.950	-	0.450	0.656	-	0.833	-	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	54	576	0	630	-	992	40	0	1032	-	9	20	0	29	-	1691
% Lights	100%	95.5%	0%	95.9%	-	97.6%	100%	0%	97.7%	-	100%	95.2%	0%	96.7%	-	97.0%
Single-Unit Trucks	0	15	0	15	-	6	0	0	6	-	0	1	0	1	-	22
% Single-Unit Trucks	0%	2.5%	0%	2.3%	-	0.6%	0%	0%	0.6%	-	0%	4.8%	0%	3.3%	-	1.3%
Articulated Trucks	0	2	0	2	-	3	0	0	3	-	0	0	0	0	-	5
% Articulated Trucks	0%	0.3%	0%	0.3%	-	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	0.3%
Buses	0	10	0	10	-	15	0	0	15	-	0	0	0	0	-	25
% Buses	0%	1.7%	0%	1.5%	-	1.5%	0%	0%	1.4%	-	0%	0%	0%	0%	-	1.4%
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	-	-	-	-	-	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

239319 (12) Washington @ Braxton TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:45PM - 5:45 PM) - Overall Peak Hour

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

All Movements

ID: 1065020, Location: 42.188421, -71.007562

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Washington Street (Route 37) Northbound					Braxton Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2023-05-04 4:45PM	16	239	0	255	0	178	7	0	185	0	8	22	0	30	0	470
5:00PM	10	221	0	231	0	187	5	0	192	1	13	26	0	39	1	462
5:15PM	7	220	0	227	0	194	8	0	202	0	6	17	0	23	0	452
5:30PM	30	210	0	240	0	165	17	0	182	0	13	14	0	27	0	449
Total	63	890	0	953	0	724	37	0	761	1	40	79	0	119	1	1833
% Approach	6.6%	93.4%	0%	-	-	95.1%	4.9%	0%	-	-	33.6%	66.4%	0%	-	-	-
% Total	3.4%	48.6%	0%	52.0%	-	39.5%	2.0%	0%	41.5%	-	2.2%	4.3%	0%	6.5%	-	-
PHF	0.525	0.931	-	0.934	-	0.933	0.544	-	0.942	-	0.769	0.760	-	0.763	-	0.975
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	63	873	0	936	-	712	37	0	749	-	40	78	0	118	-	1803
% Lights	100%	98.1%	0%	98.2%	-	98.3%	100%	0%	98.4%	-	100%	98.7%	0%	99.2%	-	98.4%
Single-Unit Trucks	0	14	0	14	-	8	0	0	8	-	0	1	0	1	-	23
% Single-Unit Trucks	0%	1.6%	0%	1.5%	-	1.1%	0%	0%	1.1%	-	0%	1.3%	0%	0.8%	-	1.3%
Articulated Trucks	0	1	0	1	-	2	0	0	2	-	0	0	0	0	-	3
% Articulated Trucks	0%	0.1%	0%	0.1%	-	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	0.2%
Buses	0	2	0	2	-	2	0	0	2	-	0	0	0	0	-	4
% Buses	0%	0.2%	0%	0.2%	-	0.3%	0%	0%	0.3%	-	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	-	-	-	-	1	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	0%
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	1
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	100%

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

239319 (12) Washington @ Braxton TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:15PM - 1:15 PM)

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

All Movements

ID: 1065020, Location: 42.188421, -71.007562

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Washington Street (Route 37) Northbound					Braxton Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2023-05-06 12:15PM	21	209	0	230	0	199	10	0	209	0	5	11	0	16	2	455
12:30PM	15	213	0	228	0	227	5	0	232	0	2	6	0	8	0	468
12:45PM	11	208	0	219	0	199	4	0	203	0	3	20	0	23	0	445
1:00PM	13	229	0	242	0	193	2	0	195	0	10	16	0	26	0	463
Total	60	859	0	919	0	818	21	0	839	0	20	53	0	73	2	1831
% Approach	6.5%	93.5%	0%	-	-	97.5%	2.5%	0%	-	-	27.4%	72.6%	0%	-	-	-
% Total	3.3%	46.9%	0%	50.2%	-	44.7%	1.1%	0%	45.8%	-	1.1%	2.9%	0%	4.0%	-	-
PHF	0.714	0.938	-	0.949	-	0.902	0.525	-	0.905	-	0.500	0.663	-	0.702	-	0.979
Motorcycles	0	6	0	6	-	5	0	0	5	-	0	0	0	0	-	11
% Motorcycles	0%	0.7%	0%	0.7%	-	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	-	0.6%
Lights	60	839	0	899	-	807	20	0	827	-	20	53	0	73	-	1799
% Lights	100%	97.7%	0%	97.8%	-	98.7%	95.2%	0%	98.6%	-	100%	100%	0%	100%	-	98.3%
Single-Unit Trucks	0	12	0	12	-	1	1	0	2	-	0	0	0	0	-	14
% Single-Unit Trucks	0%	1.4%	0%	1.3%	-	0.1%	4.8%	0%	0.2%	-	0%	0%	0%	0%	-	0.8%
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	2	0	2	-	2	0	0	2	-	0	0	0	0	-	4
% Buses	0%	0.2%	0%	0.2%	-	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0.2%
Bicycles on Road	0	0	0	0	-	3	0	0	3	-	0	0	0	0	-	3
% Bicycles on Road	0%	0%	0%	0%	-	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	-	0.2%
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

239319 (12) Washington @ Braxton TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065020, Location: 42.188421, -71.007562

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Washington Street (Route 37) Northbound					Braxton Street Eastbound					Int
	R	T	U	App	Ped*	T	L	U	App	Ped*	R	L	U	App	Ped*	
2023-05-06 1:00PM	13	229	0	242	0	193	2	0	195	0	10	16	0	26	0	463
1:15PM	13	189	0	202	0	179	4	0	183	0	1	25	0	26	0	411
1:30PM	12	208	0	220	0	159	9	0	168	0	2	11	0	13	0	401
1:45PM	9	163	0	172	0	191	5	0	196	0	8	33	0	41	0	409
Total	47	789	0	836	0	722	20	0	742	0	21	85	0	106	0	1684
% Approach	5.6%	94.4%	0%	-	-	97.3%	2.7%	0%	-	-	19.8%	80.2%	0%	-	-	-
% Total	2.8%	46.9%	0%	49.6%	-	42.9%	1.2%	0%	44.1%	-	1.2%	5.0%	0%	6.3%	-	-
PHF	0.904	0.861	-	0.864	-	0.942	0.556	-	0.944	-	0.525	0.644	-	0.646	-	0.912
Motorcycles	0	0	0	0	-	9	0	0	9	-	0	0	0	0	-	9
% Motorcycles	0%	0%	0%	0%	-	1.2%	0%	0%	1.2%	-	0%	0%	0%	0%	-	0.5%
Lights	46	778	0	824	-	704	20	0	724	-	21	84	0	105	-	1653
% Lights	97.9%	98.6%	0%	98.6%	-	97.5%	100%	0%	97.6%	-	100%	98.8%	0%	99.1%	-	98.2%
Single-Unit Trucks	1	8	0	9	-	5	0	0	5	-	0	0	0	0	-	14
% Single-Unit Trucks	2.1%	1.0%	0%	1.1%	-	0.7%	0%	0%	0.7%	-	0%	0%	0%	0%	-	0.8%
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%	1.2%	0%	0.9%	-	0.1%
Buses	0	3	0	3	-	2	0	0	2	-	0	0	0	0	-	5
% Buses	0%	0.4%	0%	0.4%	-	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	0.3%
Bicycles on Road	0	0	0	0	-	2	0	0	2	-	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	-	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	0.1%
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

239319 (13) Washington @ Peach TMC - TMC

Thu May 4, 2023

Full Length (11 AM-2 PM, 6 AM-9 AM, 3 PM-6 PM)

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

All Movements

ID: 1065029, Location: 42.185921, -71.008598

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Peach Street Westbound					Washington Street (Route 37) Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
2023-05-04 6:00AM	25	10	0	35	0	9	10	0	19	0	19	173	0	192	0	246
6:15AM	54	6	0	60	0	4	12	0	16	0	18	199	0	217	0	293
6:30AM	64	14	0	78	0	22	13	0	35	0	12	218	0	230	1	343
6:45AM	74	11	0	85	0	28	20	0	48	0	17	268	0	285	0	418
Hourly Total	217	41	0	258	0	63	55	0	118	0	66	858	0	924	1	1300
7:00AM	87	0	0	87	0	51	14	0	65	0	21	228	0	249	0	401
7:15AM	94	4	0	98	0	39	8	0	47	0	16	203	0	219	0	364
7:30AM	105	13	0	118	0	37	25	0	62	0	45	214	0	259	0	439
7:45AM	136	30	0	166	0	60	16	0	76	0	40	209	0	249	0	491
Hourly Total	422	47	0	469	0	187	63	0	250	0	122	854	0	976	0	1695
8:00AM	134	10	0	144	0	37	23	0	60	1	34	246	0	280	0	484
8:15AM	103	14	0	117	0	25	16	0	41	0	28	229	0	257	0	415
8:30AM	150	25	0	175	0	28	20	0	48	0	48	221	0	269	0	492
8:45AM	100	16	0	116	0	32	13	0	45	0	24	197	0	221	0	382
Hourly Total	487	65	0	552	0	122	72	0	194	1	134	893	0	1027	0	1773
3:00PM	180	29	0	209	0	35	34	0	69	0	29	147	0	176	0	454
3:15PM	196	24	0	220	0	21	24	0	45	0	25	148	0	173	0	438
3:30PM	223	20	0	243	0	23	33	0	56	0	25	152	0	177	0	476
3:45PM	228	25	0	253	0	20	23	0	43	0	32	153	0	185	0	481
Hourly Total	827	98	0	925	0	99	114	0	213	0	111	600	0	711	0	1849
4:00PM	234	24	0	258	0	23	29	0	52	0	26	131	0	157	1	467
4:15PM	214	27	0	241	0	18	22	0	40	0	40	156	0	196	0	477
4:30PM	233	21	0	254	0	13	28	0	41	0	31	148	0	179	0	474
4:45PM	223	20	0	243	0	25	22	0	47	0	36	161	0	197	1	487
Hourly Total	904	92	0	996	0	79	101	0	180	0	133	596	0	729	2	1905
5:00PM	211	25	0	236	0	26	29	0	55	0	41	179	0	220	0	511
5:15PM	191	24	0	215	0	30	39	0	69	0	33	171	0	204	0	488
5:30PM	195	22	0	217	0	19	25	0	44	0	25	152	0	177	0	438
5:45PM	198	25	0	223	0	14	22	0	36	0	39	175	0	214	0	473
Hourly Total	795	96	0	891	0	89	115	0	204	0	138	677	0	815	0	1910
2023-05-06 11:00AM	141	19	0	160	0	21	21	0	42	0	17	151	0	168	0	370
11:15AM	172	20	0	192	0	13	20	0	33	2	12	175	0	187	0	412
11:30AM	162	25	0	187	0	17	17	0	34	0	13	187	0	200	0	421
11:45AM	181	24	0	205	0	30	13	0	43	0	17	174	0	191	0	439
Hourly Total	656	88	0	744	0	81	71	0	152	2	59	687	0	746	0	1642
12:00PM	161	8	0	169	0	9	16	0	25	0	36	189	0	225	0	419
12:15PM	193	4	0	197	0	25	19	0	44	0	22	185	0	207	0	448
12:30PM	187	19	0	206	0	13	18	0	31	0	23	186	0	209	0	446
12:45PM	187	11	0	198	0	17	18	0	35	0	21	183	0	204	0	437
Hourly Total	728	42	0	770	0	64	71	0	135	0	102	743	0	845	0	1750
1:00PM	198	39	0	237	0	18	23	0	41	1	20	171	0	191	0	469
1:15PM	177	22	0	199	0	19	15	0	34	1	23	164	0	187	0	420
1:30PM	181	21	0	202	0	27	27	0	54	1	28	133	0	161	0	417
1:45PM	153	19	0	172	0	16	19	1	36	0	17	182	0	199	0	407
Hourly Total	709	101	0	810	0	80	84	1	165	3	88	650	0	738	0	1713
Total	5745	670	0	6415	0	864	746	1	1611	6	953	6558	0	7511	3	15537
% Approach	89.6%	10.4%	0%	-	-	53.6%	46.3%	0.1%	-	-	12.7%	87.3%	0%	-	-	-
% Total	37.0%	4.3%	0%	41.3%	-	5.6%	4.8%	0%	10.4%	-	6.1%	42.2%	0%	48.3%	-	-
Motorcycles	14	1	0	15	-	2	1	0	3	-	1	12	0	13	-	31
% Motorcycles	0.2%	0.1%	0%	0.2%	-	0.2%	0.1%	0%	0.2%	-	0.1%	0.2%	0%	0.2%	-	0.2%
Lights	5591	657	0	6248	-	840	725	1	1566	-	928	6424	0	7352	-	15166
% Lights	97.3%	98.1%	0%	97.4%	-	97.2%	97.2%	100%	97.2%	-	97.4%	98.0%	0%	97.9%	-	97.6%

Leg Direction	Washington Street (Route 37) Southbound					Peach Street Westbound					Washington Street (Route 37) Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
Time																
Single-Unit Trucks	91	2	0	93	-	4	15	0	19	-	13	64	0	77	-	189
% Single-Unit Trucks	1.6%	0.3%	0%	1.4%	-	0.5%	2.0%	0%	1.2%	-	1.4%	1.0%	0%	1.0%	-	1.2%
Articulated Trucks	18	1	0	19	-	0	2	0	2	-	4	20	0	24	-	45
% Articulated Trucks	0.3%	0.1%	0%	0.3%	-	0%	0.3%	0%	0.1%	-	0.4%	0.3%	0%	0.3%	-	0.3%
Buses	30	9	0	39	-	18	3	0	21	-	6	36	0	42	-	102
% Buses	0.5%	1.3%	0%	0.6%	-	2.1%	0.4%	0%	1.3%	-	0.6%	0.5%	0%	0.6%	-	0.7%
Bicycles on Road	1	0	0	1	-	0	0	0	0	-	1	2	0	3	-	4
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	0.1%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	0	-	-	-	-	3	-	-	-	-	3	
% Pedestrians	-	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	3	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	50.0%	-	-	-	-	0%	-

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

239319 (13) Washington @ Peach TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065029, Location: 42.185921, -71.008598

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Peach Street Westbound					Washington Street (Route 37) Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
2023-05-04 7:45AM	136	30	0	166	0	60	16	0	76	0	40	209	0	249	0	491
8:00AM	134	10	0	144	0	37	23	0	60	1	34	246	0	280	0	484
8:15AM	103	14	0	117	0	25	16	0	41	0	28	229	0	257	0	415
8:30AM	150	25	0	175	0	28	20	0	48	0	48	221	0	269	0	492
Total	523	79	0	602	0	150	75	0	225	1	150	905	0	1055	0	1882
% Approach	86.9%	13.1%	0%	-	-	66.7%	33.3%	0%	-	-	14.2%	85.8%	0%	-	-	-
% Total	27.8%	4.2%	0%	32.0%	-	8.0%	4.0%	0%	12.0%	-	8.0%	48.1%	0%	56.1%	-	-
PHF	0.870	0.658	-	0.859	-	0.625	0.815	-	0.740	-	0.781	0.920	-	0.942	-	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	499	76	0	575	-	144	74	0	218	-	141	884	0	1025	-	1818
% Lights	95.4%	96.2%	0%	95.5%	-	96.0%	98.7%	0%	96.9%	-	94.0%	97.7%	0%	97.2%	-	96.6%
Single-Unit Trucks	13	0	0	13	-	0	0	0	0	-	5	10	0	15	-	28
% Single-Unit Trucks	2.5%	0%	0%	2.2%	-	0%	0%	0%	0%	-	3.3%	1.1%	0%	1.4%	-	1.5%
Articulated Trucks	3	0	0	3	-	0	1	0	1	-	1	4	0	5	-	9
% Articulated Trucks	0.6%	0%	0%	0.5%	-	0%	1.3%	0%	0.4%	-	0.7%	0.4%	0%	0.5%	-	0.5%
Buses	7	3	0	10	-	6	0	0	6	-	3	7	0	10	-	26
% Buses	1.3%	3.8%	0%	1.7%	-	4.0%	0%	0%	2.7%	-	2.0%	0.8%	0%	0.9%	-	1.4%
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	-	-	-	-	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

239319 (13) Washington @ Peach TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:30PM - 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: 1065029, Location: 42.185921, -71.008598

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Peach Street Westbound					Washington Street (Route 37) Northbound					
Time	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	Int
2023-05-04 4:30PM	233	21	0	254	0	13	28	0	41	0	31	148	0	179	0	474
4:45PM	223	20	0	243	0	25	22	0	47	0	36	161	0	197	1	487
5:00PM	211	25	0	236	0	26	29	0	55	0	41	179	0	220	0	511
5:15PM	191	24	0	215	0	30	39	0	69	0	33	171	0	204	0	488
Total	858	90	0	948	0	94	118	0	212	0	141	659	0	800	1	1960
% Approach	90.5%	9.5%	0%	-	-	44.3%	55.7%	0%	-	-	17.6%	82.4%	0%	-	-	-
% Total	43.8%	4.6%	0%	48.4%	-	4.8%	6.0%	0%	10.8%	-	7.2%	33.6%	0%	40.8%	-	-
PHF	0.921	0.900	-	0.933	-	0.783	0.756	-	0.768	-	0.860	0.920	-	0.909	-	0.959
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	839	90	0	929	-	93	116	0	209	-	140	651	0	791	-	1929
% Lights	97.8%	100%	0%	98.0%	-	98.9%	98.3%	0%	98.6%	-	99.3%	98.8%	0%	98.9%	-	98.4%
Single-Unit Trucks	16	0	0	16	-	1	2	0	3	-	1	5	0	6	-	25
% Single-Unit Trucks	1.9%	0%	0%	1.7%	-	1.1%	1.7%	0%	1.4%	-	0.7%	0.8%	0%	0.8%	-	1.3%
Articulated Trucks	1	0	0	1	-	0	0	0	0	-	0	2	0	2	-	3
% Articulated Trucks	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	-	0%	0.3%	0%	0.3%	-	0.2%
Buses	2	0	0	2	-	0	0	0	0	-	0	1	0	1	-	3
% Buses	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	0%	0.2%	0%	0.1%	-	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	-	-	-	-	-	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

239319 (13) Washington @ Peach TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:15PM - 1:15 PM)

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

All Movements

ID: 1065029, Location: 42.185921, -71.008598

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Peach Street Westbound					Washington Street (Route 37) Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
2023-05-06 12:15PM	193	4	0	197	0	25	19	0	44	0	22	185	0	207	0	448
12:30PM	187	19	0	206	0	13	18	0	31	0	23	186	0	209	0	446
12:45PM	187	11	0	198	0	17	18	0	35	0	21	183	0	204	0	437
1:00PM	198	39	0	237	0	18	23	0	41	1	20	171	0	191	0	469
Total	765	73	0	838	0	73	78	0	151	1	86	725	0	811	0	1800
% Approach	91.3%	8.7%	0%	-	-	48.3%	51.7%	0%	-	-	10.6%	89.4%	0%	-	-	-
% Total	42.5%	4.1%	0%	46.6%	-	4.1%	4.3%	0%	8.4%	-	4.8%	40.3%	0%	45.1%	-	-
PHF	0.966	0.468	-	0.884	-	0.730	0.848	-	0.858	-	0.924	0.973	-	0.968	-	0.963
Motorcycles	6	0	0	6	-	0	1	0	1	-	0	5	0	5	-	12
% Motorcycles	0.8%	0%	0%	0.7%	-	0%	1.3%	0%	0.7%	-	0%	0.7%	0%	0.6%	-	0.7%
Lights	749	72	0	821	-	72	74	0	146	-	83	716	0	799	-	1766
% Lights	97.9%	98.6%	0%	98.0%	-	98.6%	94.9%	0%	96.7%	-	96.5%	98.8%	0%	98.5%	-	98.1%
Single-Unit Trucks	9	0	0	9	-	0	2	0	2	-	2	2	0	4	-	15
% Single-Unit Trucks	1.2%	0%	0%	1.1%	-	0%	2.6%	0%	1.3%	-	2.3%	0.3%	0%	0.5%	-	0.8%
Articulated Trucks	0	0	0	0	-	0	1	0	1	-	0	0	0	0	-	1
% Articulated Trucks	0%	0%	0%	0%	-	0%	1.3%	0%	0.7%	-	0%	0%	0%	0%	-	0.1%
Buses	1	1	0	2	-	1	0	0	1	-	0	1	0	1	-	4
% Buses	0.1%	1.4%	0%	0.2%	-	1.4%	0%	0%	0.7%	-	0%	0.1%	0%	0.1%	-	0.2%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	1	1	0	2	-	2
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	1.2%	0.1%	0%	0.2%	-	0.1%
Pedestrians	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	1	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-

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

239319 (13) Washington @ Peach TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065029, Location: 42.185921, -71.008598

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound					Peach Street Westbound					Washington Street (Route 37) Northbound					Int
	T	L	U	App	Ped*	R	L	U	App	Ped*	R	T	U	App	Ped*	
2023-05-06 1:00PM	198	39	0	237	0	18	23	0	41	1	20	171	0	191	0	469
1:15PM	177	22	0	199	0	19	15	0	34	1	23	164	0	187	0	420
1:30PM	181	21	0	202	0	27	27	0	54	1	28	133	0	161	0	417
1:45PM	153	19	0	172	0	16	19	1	36	0	17	182	0	199	0	407
Total	709	101	0	810	0	80	84	1	165	3	88	650	0	738	0	1713
% Approach	87.5%	12.5%	0%	-	-	48.5%	50.9%	0.6%	-	-	11.9%	88.1%	0%	-	-	-
% Total	41.4%	5.9%	0%	47.3%	-	4.7%	4.9%	0.1%	9.6%	-	5.1%	37.9%	0%	43.1%	-	-
PHF	0.895	0.647	-	0.854	-	0.741	0.778	0.250	0.764	-	0.777	0.891	-	0.925	-	0.916
Motorcycles	3	0	0	3	-	1	0	0	1	-	1	8	0	9	-	13
% Motorcycles	0.4%	0%	0%	0.4%	-	1.3%	0%	0%	0.6%	-	1.1%	1.2%	0%	1.2%	-	0.8%
Lights	696	99	0	795	-	78	82	1	161	-	86	632	0	718	-	1674
% Lights	98.2%	98.0%	0%	98.1%	-	97.5%	97.6%	100%	97.6%	-	97.7%	97.2%	0%	97.3%	-	97.7%
Single-Unit Trucks	9	0	0	9	-	0	2	0	2	-	0	6	0	6	-	17
% Single-Unit Trucks	1.3%	0%	0%	1.1%	-	0%	2.4%	0%	1.2%	-	0%	0.9%	0%	0.8%	-	1.0%
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%	-	0.1%
Buses	1	2	0	3	-	1	0	0	1	-	0	1	0	1	-	5
% Buses	0.1%	2.0%	0%	0.4%	-	1.3%	0%	0%	0.6%	-	0%	0.2%	0%	0.1%	-	0.3%
Bicycles on Road	0	0	0	0	-	0	0	0	0	-	1	1	0	2	-	2
% Bicycles on Road	0%	0%	0%	0%	-	0%	0%	0%	0%	-	1.1%	0.2%	0%	0.3%	-	0.1%
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

239319 (14) Washington @ Standish/Park TMC - TMC

Thu May 4, 2023

Full Length (11 AM-2 PM, 6 AM-9 AM, 3 PM-6 PM)

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

All Movements

ID: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound								Standish Avenue Southwestbound								Park Avenue Westbound							
Time	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*	HR	R	T	L	U	App	Ped*			
2023-05-04 6:00AM	0	34	0	1	0	35	0	10	0	0	0	0	10	0	0	0	0	1	0	1	0			
6:15AM	2	59	0	0	0	61	0	10	0	0	0	0	10	0	0	0	0	1	0	1	1			
6:30AM	3	75	0	3	0	81	0	17	0	0	0	0	17	0	0	0	0	1	0	1	0			
6:45AM	8	80	0	5	0	93	0	22	0	0	0	0	22	0	0	1	0	1	0	2	2			
Hourly Total	13	248	0	9	0	270	0	59	0	0	0	0	59	0	0	1	0	4	0	5	3			
7:00AM	1	91	0	7	0	99	0	27	0	0	0	0	27	0	0	0	0	2	1	3	0			
7:15AM	0	97	0	9	0	106	0	23	0	0	0	0	23	0	0	0	0	1	0	1	0			
7:30AM	4	108	0	14	0	126	0	22	0	0	0	0	22	3	0	0	0	2	0	2	0			
7:45AM	3	134	0	9	0	146	0	23	1	0	0	0	24	0	0	0	1	2	0	3	0			
Hourly Total	8	430	0	39	0	477	0	95	1	0	0	0	96	3	0	0	1	7	1	9	0			
8:00AM	3	152	0	8	0	163	0	17	0	0	0	0	17	1	0	1	0	0	0	1	0			
8:15AM	6	89	1	11	0	107	0	16	2	0	0	0	18	1	0	0	0	6	0	6	1			
8:30AM	8	141	0	21	0	170	0	41	0	0	0	0	41	0	0	0	0	2	0	2	0			
8:45AM	6	110	0	3	0	119	0	14	0	0	0	0	14	0	0	0	0	1	0	1	0			
Hourly Total	23	492	1	43	0	559	0	88	2	0	0	0	90	2	0	1	0	9	0	10	1			
3:00PM	5	199	0	7	0	211	0	13	0	0	0	0	13	0	0	0	0	3	0	3	0			
3:15PM	9	190	0	14	0	213	0	10	1	0	0	0	11	0	0	2	4	3	0	9	3			
3:30PM	7	219	0	18	0	244	0	13	1	0	0	0	14	0	0	0	3	1	0	4	0			
3:45PM	16	225	0	14	0	255	0	15	2	0	0	0	17	0	0	0	4	0	0	4	1			
Hourly Total	37	833	0	53	0	923	0	51	4	0	0	0	55	0	0	2	11	7	0	20	4			
4:00PM	10	251	0	8	0	269	0	9	0	0	0	0	9	0	0	0	0	0	0	0	0			
4:15PM	4	214	0	16	0	234	0	13	0	0	0	0	13	1	0	0	0	1	0	1	1			
4:30PM	6	236	0	16	0	258	0	11	1	0	0	0	12	0	0	0	0	1	0	1	0			
4:45PM	15	227	0	10	0	252	0	16	0	0	0	0	16	0	0	0	0	1	0	1	1			
Hourly Total	35	928	0	50	0	1013	0	49	1	0	0	0	50	1	0	0	0	3	0	3	2			
5:00PM	10	225	0	9	0	244	0	18	0	0	0	0	18	1	0	0	1	1	0	2	2			
5:15PM	4	225	0	13	0	242	0	20	0	0	0	0	20	0	0	0	0	1	0	1	0			
5:30PM	6	194	0	20	0	220	0	16	0	0	0	0	16	0	0	0	1	2	0	3	1			
5:45PM	4	199	0	21	0	224	0	19	0	0	0	0	19	0	0	0	0	0	0	0	0			
Hourly Total	24	843	0	63	0	930	0	73	0	0	0	0	73	1	0	0	2	4	0	6	3			
2023-05-06 11:00AM	2	145	0	14	0	161	0	15	0	0	0	0	15	1	0	0	0	3	0	3	1			
11:15AM	4	164	0	9	0	177	0	15	1	0	0	0	16	0	0	0	0	1	0	1	0			
11:30AM	1	170	0	11	0	182	0	19	0	0	0	0	19	0	0	0	0	1	0	1	0			
11:45AM	1	172	0	13	0	186	0	19	1	0	0	0	20	2	0	0	0	3	0	3	4			
Hourly Total	8	651	0	47	0	706	0	68	2	0	0	0	70	3	0	0	0	8	0	8	5			
12:00PM	3	167	2	13	0	185	0	14	1	0	0	0	15	2	0	0	0	2	0	2	1			
12:15PM	10	170	0	21	0	201	0	6	0	0	0	0	6	0	0	0	0	2	0	2	0			
12:30PM	7	186	0	10	0	203	0	15	0	0	0	0	15	1	0	0	1	2	0	3	0			
12:45PM	2	185	0	18	0	205	0	12	0	0	0	0	12	0	0	0	0	2	0	2	0			
Hourly Total	22	708	2	62	0	794	0	47	1	0	0	0	48	3	0	0	1	8	0	9	1			
1:00PM	0	212	0	12	0	224	0	9	0	1	0	0	10	0	0	0	0	3	0	3	0			
1:15PM	1	160	0	16	1	178	0	13	1	0	0	0	14	0	0	0	0	2	0	2	0			
1:30PM	0	185	1	17	0	203	0	7	1	0	0	0	8	2	0	0	1	3	0	4	2			
1:45PM	1	165	1	15	0	182	0	11	0	0	0	0	11	1	0	0	0	1	0	1	1			
Hourly Total	2	722	2	60	1	787	0	40	2	1	0	0	43	3	0	0	1	9	0	10	3			
Total	172	5855	5	426	1	6459	0	570	13	1	0	0	584	16	0	4	16	59	1	80	22			
% Approach	2.7%	90.6%	0.1%	6.6%	0%	-	-	97.6%	2.2%	0.2%	0%	0%	-	-	0%	5.0%	20.0%	73.8%	1.3%	-	-			
% Total	1.2%	41.0%	0%	3.0%	0%	45.2%	-	4.0%	0.1%	0%	0%	0%	4.1%	-	0%	0%	0.1%	0.4%	0%	0.6%	-			
Motorcycles	0	16	0	0	0	16	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-			
% Motorcycles	0%	0.3%	0%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-			
Lights	170	5690	5	417	1	6283	-	559	13	1	0	0	573	-	0	4	16	54	1	75	-			
% Lights	98.8%	97.2%	100%	97.9%	100%	97.3%	-	98.1%	100%	100%	0%	0%	98.1%	-	0%	100%	100%	91.5%	100%	93.8%	-			

Leg Direction	Washington Street (Route 37) Southbound							Standish Avenue Southwestbound							Park Avenue Westbound						
Time	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*	HR	R	T	L	U	App	Ped*
Single-Unit Trucks	2	96	0	7	0	105	-	2	0	0	0	0	2	-	0	0	0	2	0	2	-
% Single-Unit Trucks	1.2%	1.6%	0%	1.6%	0%	1.6%	-	0.4%	0%	0%	0%	0%	0.3%	-	0%	0%	0%	3.4%	0%	2.5%	-
Articulated Trucks	0	21	0	0	0	21	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-
% Articulated Trucks	0%	0.4%	0%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-
Buses	0	31	0	2	0	33	-	9	0	0	0	0	9	-	0	0	0	3	0	3	-
% Buses	0%	0.5%	0%	0.5%	0%	0.5%	-	1.6%	0%	0%	0%	0%	1.5%	-	0%	0%	0%	5.1%	0%	3.8%	-
Bicycles on Road	0	1	0	0	0	1	-	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%	-
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	16	-	-	-	-	-	-	22
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	0%

*Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (14) Washington @ Standish/Park TMC - TMC

Thu May 4, 2023

Full Length (11 AM-2 PM, 6 AM-9 AM, 3 PM-6 PM)

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

All Movements

ID: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Northbound							Plaza Driveway Eastbound							Int
	R	BR	T	L	U	App	Ped*	R	T	BL	L	U	App	Ped*	
2023-05-04 6:00AM	0	0	187	1	0	188	0	0	0	0	0	0	0	0	234
6:15AM	0	0	206	2	0	208	0	0	0	0	0	0	0	0	280
6:30AM	0	0	223	1	0	224	0	1	0	0	2	0	3	0	326
6:45AM	0	0	265	2	0	267	0	0	0	0	1	0	1	0	385
Hourly Total	0	0	881	6	0	887	0	1	0	0	3	0	4	0	1225
7:00AM	3	1	258	1	0	263	1	0	0	0	2	0	2	0	394
7:15AM	3	0	210	1	0	214	0	1	0	0	0	0	1	0	345
7:30AM	2	0	220	3	0	225	0	0	0	0	2	0	2	0	377
7:45AM	2	0	226	2	0	230	0	1	0	0	3	0	4	1	407
Hourly Total	10	1	914	7	0	932	1	2	0	0	7	0	9	1	1523
8:00AM	1	0	245	2	0	248	0	0	0	0	0	0	0	0	429
8:15AM	2	0	234	1	0	237	0	2	0	0	1	0	3	0	371
8:30AM	3	0	215	4	0	222	0	0	0	0	2	0	2	0	437
8:45AM	1	0	211	2	0	214	0	1	0	1	2	0	4	0	352
Hourly Total	7	0	905	9	0	921	0	3	0	1	5	0	9	0	1589
3:00PM	3	0	152	3	0	158	0	6	0	0	5	0	11	0	396
3:15PM	1	0	154	7	0	162	12	5	0	2	3	0	10	0	405
3:30PM	1	0	168	0	0	169	0	8	1	1	3	0	13	0	444
3:45PM	2	0	161	7	0	170	3	2	0	2	5	0	9	0	455
Hourly Total	7	0	635	17	0	659	15	21	1	5	16	0	43	0	1700
4:00PM	0	0	146	5	0	151	0	9	3	1	10	0	23	1	452
4:15PM	2	0	171	2	0	175	1	3	3	1	8	0	15	0	438
4:30PM	2	0	159	2	0	163	0	3	1	1	4	0	9	0	443
4:45PM	3	0	178	15	0	196	0	4	1	1	3	0	9	0	474
Hourly Total	7	0	654	24	0	685	1	19	8	4	25	0	56	1	1807
5:00PM	2	0	184	6	0	192	2	11	14	2	26	0	53	0	509
5:15PM	1	0	166	1	0	168	2	4	2	0	7	0	13	0	444
5:30PM	1	0	161	4	0	166	0	1	0	0	3	0	4	0	409
5:45PM	1	0	174	2	0	177	1	4	2	0	17	0	23	0	443
Hourly Total	5	0	685	13	0	703	5	20	18	2	53	0	93	0	1805
2023-05-06 11:00AM	2	0	153	0	0	155	0	3	0	0	2	0	5	0	339
11:15AM	1	0	167	1	0	169	0	1	0	0	0	0	1	0	364
11:30AM	3	0	169	1	0	173	0	2	0	1	4	0	7	0	382
11:45AM	1	0	167	0	0	168	0	1	0	0	1	0	2	1	379
Hourly Total	7	0	656	2	0	665	0	7	0	1	7	0	15	1	1464
12:00PM	1	0	157	1	0	159	0	1	0	0	2	0	3	0	364
12:15PM	3	0	202	1	0	206	0	5	1	0	1	0	7	0	422
12:30PM	3	0	183	2	0	188	0	8	0	0	11	0	19	0	428
12:45PM	1	0	180	0	0	181	0	0	0	0	1	0	1	0	401
Hourly Total	8	0	722	4	0	734	0	14	1	0	15	0	30	0	1615
1:00PM	2	0	182	1	0	185	1	0	0	0	0	0	0	0	422
1:15PM	3	0	174	1	0	178	1	1	0	0	0	0	1	2	373
1:30PM	0	1	151	0	0	152	0	2	0	0	6	0	8	0	375
1:45PM	0	0	182	1	0	183	0	1	0	0	0	0	1	0	378
Hourly Total	5	1	689	3	0	698	2	4	0	0	6	0	10	2	1548
Total	56	2	6741	85	0	6884	24	91	28	13	137	0	269	5	14276
% Approach	0.8%	0%	97.9%	1.2%	0%	-	-	33.8%	10.4%	4.8%	50.9%	0%	-	-	-
% Total	0.4%	0%	47.2%	0.6%	0%	48.2%	-	0.6%	0.2%	0.1%	1.0%	0%	1.9%	-	-
Motorcycles	0	0	14	0	0	14	-	0	0	0	0	0	0	-	30
% Motorcycles	0%	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	0%	-	0.2%
Lights	54	2	6591	85	0	6732	-	90	28	13	136	0	267	-	13930
% Lights	96.4%	100%	97.8%	100%	0%	97.8%	-	98.9%	100%	100%	99.3%	0%	99.3%	-	97.6%

Leg Direction	Washington Street (Route 37)							Plaza Driveway							Int
	Northbound							Eastbound							
Time	R	BR	T	L	U	App	Ped*	R	T	BL	L	U	App	Ped*	
Single-Unit Trucks	2	0	75	0	0	77	-	1	0	0	1	0	2	-	188
% Single-Unit Trucks	3.6%	0%	1.1%	0%	0%	1.1%	-	1.1%	0%	0%	0.7%	0%	0.7%	-	1.3%
Articulated Trucks	0	0	25	0	0	25	-	0	0	0	0	0	0	-	46
% Articulated Trucks	0%	0%	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	0%	-	0.3%
Buses	0	0	31	0	0	31	-	0	0	0	0	0	0	-	76
% Buses	0%	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	0%	-	0.5%
Bicycles on Road	0	0	5	0	0	5	-	0	0	0	0	0	0	-	6
% Bicycles on Road	0%	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	-	20	-	-	-	-	-	-	5	
% Pedestrians	-	-	-	-	-	-	83.3%	-	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	-	4	-	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	16.7%	-	-	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (14) Washington @ Standish/Park TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound								Standish Avenue Southwestbound								Park Avenue Westbound							
	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*	HR	R	T	L	U	App	Ped*			
2023-05-04 7:45AM	3	134	0	9	0	146	0	23	1	0	0	0	24	0	0	0	1	2	0	3	0			
8:00AM	3	152	0	8	0	163	0	17	0	0	0	0	17	1	0	1	0	0	0	1	0			
8:15AM	6	89	1	11	0	107	0	16	2	0	0	0	18	1	0	0	0	6	0	6	1			
8:30AM	8	141	0	21	0	170	0	41	0	0	0	0	41	0	0	0	0	2	0	2	0			
Total	20	516	1	49	0	586	0	97	3	0	0	0	100	2	0	1	1	10	0	12	1			
% Approach	3.4%	88.1%	0.2%	8.4%	0%	-	-	97.0%	3.0%	0%	0%	0%	-	-	0%	8.3%	8.3%	83.3%	0%	-	-			
% Total	1.2%	31.4%	0.1%	3.0%	0%	35.6%	-	5.9%	0.2%	0%	0%	0%	6.1%	-	0%	0.1%	0.1%	0.6%	0%	0.7%	-			
PHF	0.625	0.847	0.250	0.583	-	0.860	-	0.591	0.375	-	-	-	0.610	-	-	0.250	0.250	0.417	-	0.500	-			
Motorcycles	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%	-			
Lights	20	492	1	49	0	562	-	93	3	0	0	0	96	-	0	1	1	9	0	11	-			
% Lights	100%	95.3%	100%	100%	0%	95.9%	-	95.9%	100%	0%	0%	0%	96.0%	-	0%	100%	100%	90.0%	0%	91.7%	-			
Single-Unit Trucks	0	12	0	0	0	12	-	0	0	0	0	0	0	-	0	0	0	1	0	1	-			
% Single-Unit Trucks	0%	2.3%	0%	0%	0%	2.0%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	10.0%	0%	8.3%	-			
Articulated Trucks	0	3	0	0	0	3	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-			
% Articulated Trucks	0%	0.6%	0%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-			
Buses	0	8	0	0	0	8	-	4	0	0	0	0	4	-	0	0	0	0	0	0	-			
% Buses	0%	1.6%	0%	0%	0%	1.4%	-	4.1%	0%	0%	0%	0%	4.0%	-	0%	0%	0%	0%	0%	0%	-			
Bicycles on Road	0	1	0	0	0	1	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-			
% Bicycles on Road	0%	0.2%	0%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-			
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	2	-	-	-	-	-	-	1			
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	100%			
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0			
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	0%			

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (14) Washington @ Standish/Park TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Northbound							Plaza Driveway Eastbound							Int
	R	BR	T	L	U	App	Ped*	R	T	BL	L	U	App	Ped*	
2023-05-04 7:45AM	2	0	226	2	0	230	0	1	0	0	3	0	4	1	407
8:00AM	1	0	245	2	0	248	0	0	0	0	0	0	0	0	429
8:15AM	2	0	234	1	0	237	0	2	0	0	1	0	3	0	371
8:30AM	3	0	215	4	0	222	0	0	0	0	2	0	2	0	437
Total	8	0	920	9	0	937	0	3	0	0	6	0	9	1	1644
% Approach	0.9%	0%	98.2%	1.0%	0%	-	-	33.3%	0%	0%	66.7%	0%	-	-	-
% Total	0.5%	0%	56.0%	0.5%	0%	57.0%	-	0.2%	0%	0%	0.4%	0%	0.5%	-	-
PHF	0.667	-	0.939	0.563	-	0.945	-	0.375	-	-	0.500	-	0.563	-	0.940
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	6	0	894	9	0	909	-	3	0	0	6	0	9	-	1587
% Lights	75.0%	0%	97.2%	100%	0%	97.0%	-	100%	0%	0%	100%	0%	100%	-	96.5%
Single-Unit Trucks	2	0	15	0	0	17	-	0	0	0	0	0	0	-	30
% Single-Unit Trucks	25.0%	0%	1.6%	0%	0%	1.8%	-	0%	0%	0%	0%	0%	0%	-	1.8%
Articulated Trucks	0	0	6	0	0	6	-	0	0	0	0	0	0	-	9
% Articulated Trucks	0%	0%	0.7%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	0%	-	0.5%
Buses	0	0	5	0	0	5	-	0	0	0	0	0	0	-	17
% Buses	0%	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	0%	-	1.0%
Bicycles on Road	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%	-	0.1%
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	-	1
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (14) Washington @ Standish/Park TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:30PM - 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: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound							Standish Avenue Southwestbound							Park Avenue Westbound						
Time	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*	HR	R	T	L	U	App	Ped*
2023-05-04 4:30PM	6	236	0	16	0	258	0	11	1	0	0	0	12	0	0	0	0	1	0	1	0
4:45PM	15	227	0	10	0	252	0	16	0	0	0	0	16	0	0	0	0	1	0	1	1
5:00PM	10	225	0	9	0	244	0	18	0	0	0	0	18	1	0	0	1	1	0	2	2
5:15PM	4	225	0	13	0	242	0	20	0	0	0	0	20	0	0	0	0	1	0	1	0
Total	35	913	0	48	0	996	0	65	1	0	0	0	66	1	0	0	1	4	0	5	3
% Approach	3.5%	91.7%	0%	4.8%	0%	-	-	98.5%	1.5%	0%	0%	0%	-	-	0%	0%	20.0%	80.0%	0%	-	-
% Total	1.9%	48.8%	0%	2.6%	0%	53.3%	-	3.5%	0.1%	0%	0%	0%	3.5%	-	0%	0%	0.1%	0.2%	0%	0.3%	-
PHF	0.583	0.967	-	0.750	-	0.965	-	0.813	0.250	-	-	-	0.825	-	-	-	0.250	1.000	-	0.625	-
Motorcycles	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%	-
Lights	35	889	0	48	0	972	-	64	1	0	0	0	65	-	0	0	1	4	0	5	-
% Lights	100%	97.4%	0%	100%	0%	97.6%	-	98.5%	100%	0%	0%	0%	98.5%	-	0%	0%	100%	100%	0%	100%	-
Single-Unit Trucks	0	19	0	0	0	19	-	1	0	0	0	0	1	-	0	0	0	0	0	0	-
% Single-Unit Trucks	0%	2.1%	0%	0%	0%	1.9%	-	1.5%	0%	0%	0%	0%	1.5%	-	0%	0%	0%	0%	0%	0%	-
Articulated Trucks	0	3	0	0	0	3	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-
% Articulated Trucks	0%	0.3%	0%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-
Buses	0	2	0	0	0	2	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-
% Buses	0%	0.2%	0%	0%	0%	0.2%	-	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	-
% Bicycles on Road	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	1	-	-	-	-	-	-	3
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	0%

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (14) Washington @ Standish/Park TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:30PM - 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: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Northbound								Plaza Driveway Eastbound								Int
	R	BR	T	L	U	App	Ped*	R	T	BL	L	U	App	Ped*			
2023-05-04 4:30PM	2	0	159	2	0	163	0	3	1	1	4	0	9	0	443		
4:45PM	3	0	178	15	0	196	0	4	1	1	3	0	9	0	474		
5:00PM	2	0	184	6	0	192	2	11	14	2	26	0	53	0	509		
5:15PM	1	0	166	1	0	168	2	4	2	0	7	0	13	0	444		
Total	8	0	687	24	0	719	4	22	18	4	40	0	84	0	1870		
% Approach	1.1%	0%	95.5%	3.3%	0%	-	-	26.2%	21.4%	4.8%	47.6%	0%	-	-	-		
% Total	0.4%	0%	36.7%	1.3%	0%	38.4%	-	1.2%	1.0%	0.2%	2.1%	0%	4.5%	-	-		
PHF	0.667	-	0.933	0.400	-	0.917	-	0.500	0.321	0.500	0.385	-	0.396	-	0.918		
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	8	0	678	24	0	710	-	22	18	4	40	0	84	-	1836		
% Lights	100%	0%	98.7%	100%	0%	98.7%	-	100%	100%	100%	100%	0%	100%	-	98.2%		
Single-Unit Trucks	0	0	7	0	0	7	-	0	0	0	0	0	0	-	27		
% Single-Unit Trucks	0%	0%	1.0%	0%	0%	1.0%	-	0%	0%	0%	0%	0%	0%	-	1.4%		
Articulated Trucks	0	0	2	0	0	2	-	0	0	0	0	0	0	-	5		
% Articulated Trucks	0%	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	0%	-	0.3%		
Buses	0	0	0	0	0	0	-	0	0	0	0	0	0	-	2		
% Buses	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		
% Bicycles on Road	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-	0%		
Pedestrians	-	-	-	-	-	-	4	-	-	-	-	-	-	0	-		
% Pedestrians	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-		
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-		
% Bicycles on Crosswalk	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-		

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (14) Washington @ Standish/Park TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:15PM - 1:15 PM)

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

All Movements

ID: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2, Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound							Standish Avenue Southwestbound							Park Avenue Westbound						
Time	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*	HR	R	T	L	U	App	Ped*
2023-05-06 12:15PM	10	170	0	21	0	201	0	6	0	0	0	0	6	0	0	0	0	2	0	2	0
12:30PM	7	186	0	10	0	203	0	15	0	0	0	0	15	1	0	0	1	2	0	3	0
12:45PM	2	185	0	18	0	205	0	12	0	0	0	0	12	0	0	0	0	2	0	2	0
1:00PM	0	212	0	12	0	224	0	9	0	1	0	0	10	0	0	0	0	3	0	3	0
Total	19	753	0	61	0	833	0	42	0	1	0	0	43	1	0	0	1	9	0	10	0
% Approach	2.3%	90.4%	0%	7.3%	0%	-	-	97.7%	0%	2.3%	0%	0%	-	-	0%	0%	10.0%	90.0%	0%	-	-
% Total	1.1%	45.0%	0%	3.6%	0%	49.8%	-	2.5%	0%	0.1%	0%	0%	2.6%	-	0%	0%	0.1%	0.5%	0%	0.6%	-
PHF	0.475	0.888	-	0.726	-	0.930	-	0.700	-	0.250	-	-	0.717	-	-	-	0.250	0.750	-	0.833	-
Motorcycles	0	8	0	0	0	8	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-
% Motorcycles	0%	1.1%	0%	0%	0%	1.0%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-
Lights	19	733	0	60	0	812	-	42	0	1	0	0	43	-	0	0	1	8	0	9	-
% Lights	100%	97.3%	0%	98.4%	0%	97.5%	-	100%	0%	100%	0%	0%	100%	-	0%	0%	100%	88.9%	0%	90.0%	-
Single-Unit Trucks	0	11	0	1	0	12	-	0	0	0	0	0	0	-	0	0	0	1	0	1	-
% Single-Unit Trucks	0%	1.5%	0%	1.6%	0%	1.4%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	11.1%	0%	10.0%	-
Articulated 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%	0%	0%	-	0%	0%	0%	0%	0%	0%	-
Buses	0	1	0	0	0	1	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-
% Buses	0%	0.1%	0%	0%	0%	0.1%	-	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	-
% Bicycles on Road	0%	0%	0%	0%	0%	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. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (14) Washington @ Standish/Park TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:15PM - 1:15 PM)

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

All Movements

ID: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Northbound							Plaza Driveway Eastbound							Int
	R	BR	T	L	U	App	Ped*	R	T	BL	L	U	App	Ped*	
2023-05-06 12:15PM	3	0	202	1	0	206	0	5	1	0	1	0	7	0	422
12:30PM	3	0	183	2	0	188	0	8	0	0	11	0	19	0	428
12:45PM	1	0	180	0	0	181	0	0	0	0	1	0	1	0	401
1:00PM	2	0	182	1	0	185	1	0	0	0	0	0	0	0	422
Total	9	0	747	4	0	760	1	13	1	0	13	0	27	0	1673
% Approach	1.2%	0%	98.3%	0.5%	0%	-	-	48.1%	3.7%	0%	48.1%	0%	-	-	-
% Total	0.5%	0%	44.7%	0.2%	0%	45.4%	-	0.8%	0.1%	0%	0.8%	0%	1.6%	-	-
PHF	0.750	-	0.920	0.500	-	0.917	-	0.406	0.250	-	0.295	-	0.355	-	0.979
Motorcycles	0	0	5	0	0	5	-	0	0	0	0	0	0	-	13
% Motorcycles	0%	0%	0.7%	0%	0%	0.7%	-	0%	0%	0%	0%	0%	0%	-	0.8%
Lights	9	0	730	4	0	743	-	13	1	0	13	0	27	-	1634
% Lights	100%	0%	97.7%	100%	0%	97.8%	-	100%	100%	0%	100%	0%	100%	-	97.7%
Single-Unit Trucks	0	0	7	0	0	7	-	0	0	0	0	0	0	-	20
% Single-Unit Trucks	0%	0%	0.9%	0%	0%	0.9%	-	0%	0%	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	0	1	0	0	1	-	0	0	0	0	0	0	-	2
% Buses	0%	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	0%	-	0.1%
Bicycles on Road	0	0	4	0	0	4	-	0	0	0	0	0	0	-	4
% Bicycles on Road	0%	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	0%	-	0.2%
Pedestrians	-	-	-	-	-	-	1	-	-	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (14) Washington @ Standish/Park TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound							Standish Avenue Southwestbound							Park Avenue Westbound						
	R	T	L	HL	U	App	Ped*	HR	BR	BL	HL	U	App	Ped*	HR	R	T	L	U	App	Ped*
2023-05-06 1:00PM	0	212	0	12	0	224	0	9	0	1	0	0	10	0	0	0	0	3	0	3	0
1:15PM	1	160	0	16	1	178	0	13	1	0	0	0	14	0	0	0	0	2	0	2	0
1:30PM	0	185	1	17	0	203	0	7	1	0	0	0	8	2	0	0	1	3	0	4	2
1:45PM	1	165	1	15	0	182	0	11	0	0	0	0	11	1	0	0	0	1	0	1	1
Total	2	722	2	60	1	787	0	40	2	1	0	0	43	3	0	0	1	9	0	10	3
% Approach	0.3%	91.7%	0.3%	7.6%	0.1%	-	-	93.0%	4.7%	2.3%	0%	0%	-	-	0%	0%	10.0%	90.0%	0%	-	-
% Total	0.1%	46.6%	0.1%	3.9%	0.1%	50.8%	-	2.6%	0.1%	0.1%	0%	0%	2.8%	-	0%	0%	0.1%	0.6%	0%	0.6%	-
PHF	0.500	0.851	0.500	0.882	0.250	0.878	-	0.769	0.500	0.250	-	-	0.768	-	-	-	0.250	0.750	-	0.625	-
Motorcycles	0	3	0	0	0	3	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-
% Motorcycles	0%	0.4%	0%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-
Lights	2	706	2	60	1	771	-	40	2	1	0	0	43	-	0	0	1	8	0	9	-
% Lights	100%	97.8%	100%	100%	100%	98.0%	-	100%	100%	100%	0%	0%	100%	-	0%	0%	100%	88.9%	0%	90.0%	-
Single-Unit Trucks	0	10	0	0	0	10	-	0	0	0	0	0	0	-	0	0	0	1	0	1	-
% Single-Unit Trucks	0%	1.4%	0%	0%	0%	1.3%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	11.1%	0%	10.0%	-
Articulated Trucks	0	1	0	0	0	1	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-
% Articulated Trucks	0%	0.1%	0%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-
Buses	0	2	0	0	0	2	-	0	0	0	0	0	0	-	0	0	0	0	0	0	-
% Buses	0%	0.3%	0%	0%	0%	0.3%	-	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	-
% Bicycles on Road	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	3	-	-	-	-	-	-	3
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	100%
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	-	0%

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

239319 (14) Washington @ Standish/Park TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065032, Location: 42.181696, -71.013498

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Northbound							Plaza Driveway Eastbound							Int
	R	BR	T	L	U	App	Ped*	R	T	BL	L	U	App	Ped*	
2023-05-06 1:00PM	2	0	182	1	0	185	1	0	0	0	0	0	0	0	422
1:15PM	3	0	174	1	0	178	1	1	0	0	0	0	1	2	373
1:30PM	0	1	151	0	0	152	0	2	0	0	6	0	8	0	375
1:45PM	0	0	182	1	0	183	0	1	0	0	0	0	1	0	378
Total	5	1	689	3	0	698	2	4	0	0	6	0	10	2	1548
% Approach	0.7%	0.1%	98.7%	0.4%	0%	-	-	40.0%	0%	0%	60.0%	0%	-	-	-
% Total	0.3%	0.1%	44.5%	0.2%	0%	45.1%	-	0.3%	0%	0%	0.4%	0%	0.6%	-	-
PHF	0.417	0.250	0.944	0.750	-	0.951	-	0.500	-	-	0.250	-	0.313	-	0.920
Motorcycles	0	0	9	0	0	9	-	0	0	0	0	0	0	-	12
% Motorcycles	0%	0%	1.3%	0%	0%	1.3%	-	0%	0%	0%	0%	0%	0%	-	0.8%
Lights	5	1	671	3	0	680	-	4	0	0	6	0	10	-	1513
% Lights	100%	100%	97.4%	100%	0%	97.4%	-	100%	0%	0%	100%	0%	100%	-	97.7%
Single-Unit Trucks	0	0	6	0	0	6	-	0	0	0	0	0	0	-	17
% Single-Unit Trucks	0%	0%	0.9%	0%	0%	0.9%	-	0%	0%	0%	0%	0%	0%	-	1.1%
Articulated Trucks	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%	0%	0%	-	0.1%
Buses	0	0	1	0	0	1	-	0	0	0	0	0	0	-	3
% Buses	0%	0%	0.1%	0%	0%	0.1%	-	0%	0%	0%	0%	0%	0%	-	0.2%
Bicycles on Road	0	0	2	0	0	2	-	0	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	-	2	-	-	-	-	-	-	2	-
% Pedestrians	-	-	-	-	-	-	100%	-	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	0%	-	-	-	-	-	-	0%	-

* Pedestrians and Bicycles on Crosswalk. BL: Bear left, BR: Bear right, HL: Hard left, HR: Hard right, L: Left, R: Right, T: Thru, U: U-Turn

Leg Direction	Washington Street (Route 37) Southbound							Driveway Westbound							Washington Street (Route 37) Northbound							South 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*	R	T	L	U	App	Ped*	Int
Bicycles on Road	0	1	0	0	1	-	0	0	0	0	0	-	0	2	0	0	2	-	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%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Pedestrians	-	-	-	-	-	4	-	-	-	-	-	37	-	-	-	-	-	19	-	-	-	-	-	-	18						
% Pedestrians	-	-	-	-	-	- 100%	-	-	-	-	-	- 97.4%	-	-	-	-	-	- 100%	-	-	-	-	-	-	- 100%	-					
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	-	0						
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	2.6%	-	-	-	-	-	0%	-	-	-	-	-	-	0%	-					

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

239319 (15) Washington @ South TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065033, Location: 42.175195, -71.013042

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Driveway Westbound						Washington Street (Route 37) Northbound						South 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*	
2023-05-04 7:45AM	63	76	0	0	139	0	0	0	0	0	0	0	0	152	23	1	176	0	25	0	71	0	96	0	411
8:00AM	59	87	0	0	146	0	1	0	0	0	1	0	0	169	36	0	205	0	15	0	39	0	54	0	406
8:15AM	53	63	0	0	116	0	0	0	0	0	0	1	0	152	37	0	189	1	23	0	50	0	73	0	378
8:30AM	54	82	0	0	136	0	0	0	0	0	0	1	0	144	22	0	166	0	26	0	65	0	91	1	393
Total	229	308	0	0	537	0	1	0	0	0	1	2	0	617	118	1	736	1	89	0	225	0	314	1	1588
% Approach	42.6%	57.4%	0%	0%	-	-	100%	0%	0%	0%	-	-	0%	83.8%	16.0%	0.1%	-	-	28.3%	0%	71.7%	0%	-	-	-
% Total	14.4%	19.4%	0%	0%	33.8%	-	0.1%	0%	0%	0%	0.1%	-	0%	38.9%	7.4%	0.1%	46.3%	-	5.6%	0%	14.2%	0%	19.8%	-	-
PHF	0.909	0.882	-	-	0.918	-	0.250	-	-	-	0.250	-	-	0.913	0.797	0.250	0.898	-	0.856	-	0.792	-	0.818	-	0.968
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	226	291	0	0	517	-	1	0	0	0	1	-	0	595	117	1	713	-	88	0	219	0	307	-	1538
% Lights	98.7%	94.5%	0%	0%	96.3%	-	100%	0%	0%	0%	100%	-	0%	96.4%	99.2%	100%	96.9%	-	98.9%	0%	97.3%	0%	97.8%	-	96.9%
Single-Unit Trucks	2	8	0	0	10	-	0	0	0	0	0	-	0	14	0	0	14	-	1	0	4	0	5	-	29
% Single-Unit Trucks	0.9%	2.6%	0%	0%	1.9%	-	0%	0%	0%	0%	0%	-	0%	2.3%	0%	0%	1.9%	-	1.1%	0%	1.8%	0%	1.6%	-	1.8%
Articulated Trucks	0	3	0	0	3	-	0	0	0	0	0	-	0	5	0	0	5	-	0	0	2	0	2	-	10
% Articulated Trucks	0%	1.0%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	0%	0.8%	0%	0%	0.7%	-	0%	0%	0.9%	0%	0.6%	-	0.6%
Buses	1	5	0	0	6	-	0	0	0	0	0	-	0	3	1	0	4	-	0	0	0	0	0	-	10
% Buses	0.4%	1.6%	0%	0%	1.1%	-	0%	0%	0%	0%	0%	-	0%	0.5%	0.8%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0.6%
Bicycles on Road	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Bicycles on Road	0%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	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

239319 (15) Washington @ South TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4PM - 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: 1065033, Location: 42.175195, -71.013042

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Driveway Westbound						Washington Street (Route 37) Northbound						South 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*	
2023-05-04 4:00PM	73	185	0	0	258	0	0	0	0	0	0	0	0	83	11	0	94	1	23	0	61	0	84	5	436
4:15PM	62	153	0	0	215	0	0	0	0	0	0	0	0	105	12	0	117	1	22	0	68	0	90	1	422
4:30PM	66	164	0	0	230	0	0	0	0	0	0	0	1	101	11	0	113	0	15	1	57	0	73	1	416
4:45PM	64	165	0	0	229	0	0	0	0	0	0	0	0	122	22	0	144	2	25	0	63	0	88	0	461
Total	265	667	0	0	932	0	0	0	0	0	0	0	1	411	56	0	468	4	85	1	249	0	335	7	1735
% Approach	28.4%	71.6%	0%	0%	-	-	0%	0%	0%	0%	-	-	0.2%	87.8%	12.0%	0%	-	-	25.4%	0.3%	74.3%	0%	-	-	-
% Total	15.3%	38.4%	0%	0%	53.7%	-	0%	0%	0%	0%	0%	-	0.1%	23.7%	3.2%	0%	27.0%	-	4.9%	0.1%	14.4%	0%	19.3%	-	-
PHF	0.908	0.901	-	-	0.903	-	-	-	-	-	-	-	0.250	0.842	0.636	-	0.813	-	0.850	0.250	0.915	-	0.931	-	0.941
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%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.1%
Lights	259	652	0	0	911	-	0	0	0	0	0	-	1	407	56	0	464	-	83	1	249	0	333	-	1708
% Lights	97.7%	97.8%	0%	0%	97.7%	-	0%	0%	0%	0%	-	-	100%	99.0%	100%	0%	99.1%	-	97.6%	100%	100%	0%	99.4%	-	98.4%
Single-Unit Trucks	6	10	0	0	16	-	0	0	0	0	0	-	0	0	0	0	0	-	2	0	0	0	2	-	18
% Single-Unit Trucks	2.3%	1.5%	0%	0%	1.7%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	2.4%	0%	0%	0%	0.6%	-	1.0%
Articulated Trucks	0	2	0	0	2	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	2
% Articulated Trucks	0%	0.3%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	3	0	0	3	-	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	6
% Buses	0%	0.4%	0%	0%	0.3%	-	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	-	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	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	4	-	-	-	-	-	7	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	-	-	0%	-

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

239319 (15) Washington @ South TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:15PM - 1:15 PM)

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

All Movements

ID: 1065033, Location: 42.175195, -71.013042

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Driveway Westbound						Washington Street (Route 37) Northbound						South 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*	
2023-05-06 12:15PM	36	133	0	0	169	0	0	0	0	0	0	3	0	143	9	0	152	3	16	0	56	0	72	0	393
12:30PM	60	129	0	0	189	0	0	0	0	0	0	4	0	143	24	0	167	0	19	0	44	0	63	0	419
12:45PM	50	121	0	0	171	0	0	0	0	0	0	1	0	118	18	0	136	0	11	0	51	0	62	0	369
1:00PM	52	151	0	0	203	0	0	0	0	0	0	1	0	119	20	0	139	0	15	0	49	0	64	1	406
Total	198	534	0	0	732	0	0	0	0	0	0	9	0	523	71	0	594	3	61	0	200	0	261	1	1587
% Approach	27.0%	73.0%	0%	0%	-	-	0%	0%	0%	0%	-	-	0%	88.0%	12.0%	0%	-	-	23.4%	0%	76.6%	0%	-	-	-
% Total	12.5%	33.6%	0%	0%	46.1%	-	0%	0%	0%	0%	0%	-	0%	33.0%	4.5%	0%	37.4%	-	3.8%	0%	12.6%	0%	16.4%	-	-
PHF	0.825	0.884	-	-	0.901	-	-	-	-	-	-	-	-	0.911	0.740	-	0.886	-	0.803	-	0.893	-	0.906	-	0.946
Motorcycles	0	7	0	0	7	-	0	0	0	0	0	-	0	2	1	0	3	-	2	0	1	0	3	-	13
% Motorcycles	0%	1.3%	0%	0%	1.0%	-	0%	0%	0%	0%	-	-	0%	0.4%	1.4%	0%	0.5%	-	3.3%	0%	0.5%	0%	1.1%	-	0.8%
Lights	195	518	0	0	713	-	0	0	0	0	0	-	0	512	69	0	581	-	58	0	196	0	254	-	1548
% Lights	98.5%	97.0%	0%	0%	97.4%	-	0%	0%	0%	0%	-	-	0%	97.9%	97.2%	0%	97.8%	-	95.1%	0%	98.0%	0%	97.3%	-	97.5%
Single-Unit Trucks	2	6	0	0	8	-	0	0	0	0	0	-	0	6	1	0	7	-	1	0	3	0	4	-	19
% Single-Unit Trucks	1.0%	1.1%	0%	0%	1.1%	-	0%	0%	0%	0%	-	-	0%	1.1%	1.4%	0%	1.2%	-	1.6%	0%	1.5%	0%	1.5%	-	1.2%
Articulated Trucks	1	2	0	0	3	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	3
% Articulated Trucks	0.5%	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.2%
Buses	0	1	0	0	1	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	2
% Buses	0%	0.2%	0%	0%	0.1%	-	0%	0%	0%	0%	-	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.1%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	2
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%	0.4%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	8	-	-	-	-	-	3	-	-	-	-	-	1	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	88.9%	-	-	-	-	-	100%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	11.1%	-	-	-	-	-	0%	-	-	-	-	-	0%	-

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

239319 (15) Washington @ South TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065033, Location: 42.175195, -71.013042

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Driveway Westbound						Washington Street (Route 37) Northbound						South 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*	
2023-05-06 1:00PM	52	151	0	0	203	0	0	0	0	0	0	1	0	119	20	0	139	0	15	0	49	0	64	1	406
1:15PM	54	110	0	0	164	0	0	0	0	0	0	6	0	122	13	0	135	1	9	0	50	0	59	0	358
1:30PM	63	119	0	0	182	0	0	0	0	0	0	1	0	112	16	0	128	0	18	0	40	0	58	0	368
1:45PM	35	115	1	0	151	1	0	0	0	0	0	2	0	128	19	0	147	0	24	0	49	0	73	2	371
Total	204	495	1	0	700	1	0	0	0	0	0	10	0	481	68	0	549	1	66	0	188	0	254	3	1503
% Approach	29.1%	70.7%	0.1%	0%	-	-	0%	0%	0%	0%	-	-	0%	87.6%	12.4%	0%	-	-	26.0%	0%	74.0%	0%	-	-	-
% Total	13.6%	32.9%	0.1%	0%	46.6%	-	0%	0%	0%	0%	0%	-	0%	32.0%	4.5%	0%	36.5%	-	4.4%	0%	12.5%	0%	16.9%	-	-
PHF	0.810	0.820	0.250	-	0.862	-	-	-	-	-	-	-	-	0.939	0.850	-	0.934	-	0.688	-	0.940	-	0.870	-	0.925
Motorcycles	0	3	0	0	3	-	0	0	0	0	0	-	0	4	0	0	4	-	1	0	0	0	1	-	8
% Motorcycles	0%	0.6%	0%	0%	0.4%	-	0%	0%	0%	0%	-	-	0%	0.8%	0%	0%	0.7%	-	1.5%	0%	0%	0%	0.4%	-	0.5%
Lights	201	483	1	0	685	-	0	0	0	0	0	-	0	474	68	0	542	-	63	0	188	0	251	-	1478
% Lights	98.5%	97.6%	100%	0%	97.9%	-	0%	0%	0%	0%	-	-	0%	98.5%	100%	0%	98.7%	-	95.5%	0%	100%	0%	98.8%	-	98.3%
Single-Unit Trucks	1	5	0	0	6	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	8
% Single-Unit Trucks	0.5%	1.0%	0%	0%	0.9%	-	0%	0%	0%	0%	-	-	0%	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0.5%
Articulated Trucks	2	3	0	0	5	-	0	0	0	0	0	-	0	0	0	0	0	-	1	0	0	0	1	-	6
% Articulated Trucks	1.0%	0.6%	0%	0%	0.7%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	1.5%	0%	0%	0%	0.4%	-	0.4%
Buses	0	1	0	0	1	-	0	0	0	0	0	-	0	1	0	0	1	-	1	0	0	0	1	-	3
% Buses	0%	0.2%	0%	0%	0.1%	-	0%	0%	0%	0%	-	-	0%	0.2%	0%	0%	0.2%	-	1.5%	0%	0%	0%	0.4%	-	0.2%
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%
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	9	-	-	-	-	-	1	-	-	-	-	-	3	-
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	90.0%	-	-	-	-	-	100%	-	-	-	-	-	100%	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	10.0%	-	-	-	-	-	0%	-	-	-	-	-	0%	-

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

Leg Direction	Washington Street (Route 37) Southbound						Driveway Westbound						Washington Street (Route 37) Northbound						Roosevelt 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
Single-Unit Trucks	1	68	0	0	69	-	0	0	0	0	0	-	0	59	0	0	59	-	2	0	0	0	2	-	130
% Single-Unit Trucks	2.4%	1.6%	0%	0%	1.6%	-	0%	0%	0%	0%	0%	-	0%	1.2%	0%	0%	1.2%	-	5.1%	0%	0%	0%	2.6%	-	1.4%
Articulated Trucks	0	15	0	0	15	-	0	0	0	0	0	-	0	25	0	0	25	-	0	0	0	0	0	-	40
% Articulated Trucks	0%	0.4%	0%	0%	0.4%	-	0%	0%	0%	0%	0%	-	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0.4%
Buses	1	24	0	0	25	-	0	0	0	0	0	-	0	29	0	0	29	-	0	0	1	0	1	-	55
% Buses	2.4%	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	0%	0.6%	0%	0%	0.6%	-	0%	0%	2.7%	0%	1.3%	-	0.6%
Bicycles on Road	0	2	0	0	2	-	0	0	0	0	0	-	0	3	0	0	3	-	0	0	2	0	2	-	7
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%	0.1%	0%	0%	0.1%	-	0%	0%	5.4%	0%	2.6%	-	0.1%
Pedestrians	-	-	-	-	-	38	-	-	-	-	-	71	-	-	-	-	-	1	-	-	-	-	-	82	
% Pedestrians	-	-	-	-	-	88.4%	-	-	-	-	-	92.2%	-	-	-	-	-	100%	-	-	-	-	-	85.4%	-
Bicycles on Crosswalk	-	-	-	-	-	5	-	-	-	-	-	6	-	-	-	-	-	0	-	-	-	-	-	14	
% Bicycles on Crosswalk	-	-	-	-	-	11.6%	-	-	-	-	-	7.8%	-	-	-	-	-	0%	-	-	-	-	-	14.6%	-

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

239319 (16) Washington @ Roosevelt TMC - TMC

Thu May 4, 2023

AM Peak (May 04 2023 7:45AM - 8:45 AM)

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

All Movements

ID: 1065034, Location: 42.169817, -71.00819

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Driveway Westbound						Washington Street (Route 37) Northbound						Roosevelt 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*	
2023-05-04 7:45AM	1	80	0	0	81	0	0	0	0	0	0	1	0	177	4	0	181	0	1	0	1	0	2	0	264
8:00AM	1	81	0	0	82	0	0	0	0	0	0	0	0	175	0	0	175	0	0	0	4	0	4	1	261
8:15AM	0	71	0	0	71	1	0	0	0	0	0	1	0	168	2	0	170	0	3	0	3	0	6	1	247
8:30AM	1	87	0	0	88	1	0	0	0	0	0	0	0	145	0	0	145	0	0	0	0	0	0	0	233
Total	3	319	0	0	322	2	0	0	0	0	0	2	0	665	6	0	671	0	4	0	8	0	12	2	1005
% Approach	0.9%	99.1%	0%	0%	-	-	0%	0%	0%	0%	-	-	0%	99.1%	0.9%	0%	-	-	33.3%	0%	66.7%	0%	-	-	-
% Total	0.3%	31.7%	0%	0%	32.0%	-	0%	0%	0%	0%	0%	-	0%	66.2%	0.6%	0%	66.8%	-	0.4%	0%	0.8%	0%	1.2%	-	-
PHF	0.750	0.914	-	-	0.912	-	-	-	-	-	-	-	-	0.939	0.375	-	0.927	-	0.333	-	0.500	-	0.500	-	0.954
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%
Lights	3	302	0	0	305	-	0	0	0	0	0	-	0	638	6	0	644	-	4	0	8	0	12	-	961
% Lights	100%	94.7%	0%	0%	94.7%	-	0%	0%	0%	0%	-	-	0%	95.9%	100%	0%	96.0%	-	100%	0%	100%	0%	100%	-	95.6%
Single-Unit Trucks	0	7	0	0	7	-	0	0	0	0	0	-	0	14	0	0	14	-	0	0	0	0	0	-	21
% Single-Unit Trucks	0%	2.2%	0%	0%	2.2%	-	0%	0%	0%	0%	-	-	0%	2.1%	0%	0%	2.1%	-	0%	0%	0%	0%	0%	-	2.1%
Articulated Trucks	0	3	0	0	3	-	0	0	0	0	0	-	0	9	0	0	9	-	0	0	0	0	0	-	12
% Articulated Trucks	0%	0.9%	0%	0%	0.9%	-	0%	0%	0%	0%	-	-	0%	1.4%	0%	0%	1.3%	-	0%	0%	0%	0%	0%	-	1.2%
Buses	0	6	0	0	6	-	0	0	0	0	0	-	0	4	0	0	4	-	0	0	0	0	0	-	10
% Buses	0%	1.9%	0%	0%	1.9%	-	0%	0%	0%	0%	-	-	0%	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	1.0%
Bicycles on Road	0	1	0	0	1	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	1
% Bicycles on Road	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Pedestrians	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	2	-
% 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

239319 (16) Washington @ Roosevelt TMC - TMC

Thu May 4, 2023

PM Peak (May 04 2023 4:45PM - 5:45 PM) - Overall Peak Hour

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

All Movements

ID: 1065034, Location: 42.169817, -71.00819

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Driveway Westbound						Washington Street (Route 37) Northbound						Roosevelt 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*	
2023-05-04 4:45PM	1	171	0	0	172	3	0	0	0	0	0	3	0	117	0	0	117	0	1	0	0	0	1	8	290
5:00PM	3	165	0	0	168	4	0	0	0	0	0	4	0	120	1	0	121	0	1	0	2	0	3	8	292
5:15PM	1	186	0	0	187	0	0	0	0	0	0	2	0	117	0	0	117	0	2	0	0	0	2	1	306
5:30PM	0	162	0	0	162	2	0	0	1	0	1	1	0	120	1	0	121	0	1	0	1	0	2	5	286
Total	5	684	0	0	689	9	0	0	1	0	1	10	0	474	2	0	476	0	5	0	3	0	8	22	1174
% Approach	0.7%	99.3%	0%	0%	-	-	0%	0%	100%	0%	-	-	0%	99.6%	0.4%	0%	-	-	62.5%	0%	37.5%	0%	-	-	-
% Total	0.4%	58.3%	0%	0%	58.7%	-	0%	0%	0.1%	0%	0.1%	-	0%	40.4%	0.2%	0%	40.5%	-	0.4%	0%	0.3%	0%	0.7%	-	-
PHF	0.417	0.919	-	-	0.921	-	-	-	0.250	-	0.250	-	-	0.988	0.500	-	0.983	-	0.625	-	0.375	-	0.667	-	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%
Lights	4	666	0	0	670	-	0	0	1	0	1	-	0	465	2	0	467	-	4	0	3	0	7	-	1145
% Lights	80.0%	97.4%	0%	0%	97.2%	-	0%	0%	100%	0%	100%	-	0%	98.1%	100%	0%	98.1%	-	80.0%	0%	100%	0%	87.5%	-	97.5%
Single-Unit Trucks	1	14	0	0	15	-	0	0	0	0	0	-	0	6	0	0	6	-	1	0	0	0	1	-	22
% Single-Unit Trucks	20.0%	2.0%	0%	0%	2.2%	-	0%	0%	0%	0%	0%	-	0%	1.3%	0%	0%	1.3%	-	20.0%	0%	0%	0%	12.5%	-	1.9%
Articulated Trucks	0	2	0	0	2	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	3
% Articulated Trucks	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.3%
Buses	0	2	0	0	2	-	0	0	0	0	0	-	0	2	0	0	2	-	0	0	0	0	0	-	4
% Buses	0%	0.3%	0%	0%	0.3%	-	0%	0%	0%	0%	0%	-	0%	0.4%	0%	0%	0.4%	-	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	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	-	-	-	-	-	9	-	-	-	-	-	10	-	-	-	-	-	0	-	-	-	-	-	22	
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	0	-	-	-	-	-	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

239319 (16) Washington @ Roosevelt TMC - TMC

Sat May 6, 2023

Midday Peak (WKND) (May 06 2023 12:15PM - 1:15 PM)

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

All Movements

ID: 1065034, Location: 42.169817, -71.00819

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Driveway Westbound						Washington Street (Route 37) Northbound						Roosevelt 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*	
2023-05-06 12:15PM	0	130	0	0	130	0	0	0	0	0	0	1	0	151	1	0	152	1	2	0	0	0	2	2	284
12:30PM	0	142	0	0	142	4	0	0	0	0	0	4	0	139	1	0	140	0	1	0	1	0	2	4	284
12:45PM	2	129	0	0	131	0	0	0	0	0	0	0	0	138	2	0	140	0	0	0	1	0	1	2	272
1:00PM	1	145	0	0	146	3	0	0	0	0	0	3	0	121	1	0	122	0	2	0	1	0	3	1	271
Total	3	546	0	0	549	7	0	0	0	0	0	8	0	549	5	0	554	1	5	0	3	0	8	9	1111
% Approach	0.5%	99.5%	0%	0%	-	-	0%	0%	0%	0%	-	-	0%	99.1%	0.9%	0%	-	-	62.5%	0%	37.5%	0%	-	-	-
% Total	0.3%	49.1%	0%	0%	49.4%	-	0%	0%	0%	0%	0%	-	0%	49.4%	0.5%	0%	49.9%	-	0.5%	0%	0.3%	0%	0.7%	-	-
PHF	0.375	0.941	-	-	0.940	-	-	-	-	-	-	-	-	0.904	0.625	-	0.906	-	0.625	-	0.750	-	0.667	-	0.975
Motorcycles	0	9	0	0	9	-	0	0	0	0	0	-	0	4	0	0	4	-	0	0	0	0	0	-	13
% Motorcycles	0%	1.6%	0%	0%	1.6%	-	0%	0%	0%	0%	-	-	0%	0.7%	0%	0%	0.7%	-	0%	0%	0%	0%	0%	-	1.2%
Lights	3	523	0	0	526	-	0	0	0	0	0	-	0	535	5	0	540	-	5	0	3	0	8	-	1074
% Lights	100%	95.8%	0%	0%	95.8%	-	0%	0%	0%	0%	-	-	0%	97.4%	100%	0%	97.5%	-	100%	0%	100%	0%	100%	-	96.7%
Single-Unit Trucks	0	13	0	0	13	-	0	0	0	0	0	-	0	6	0	0	6	-	0	0	0	0	0	-	19
% Single-Unit Trucks	0%	2.4%	0%	0%	2.4%	-	0%	0%	0%	0%	-	-	0%	1.1%	0%	0%	1.1%	-	0%	0%	0%	0%	0%	-	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
% Articulated Trucks	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0%
Buses	0	1	0	0	1	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	2
% Buses	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	0%	-	0.2%
Bicycles on Road	0	0	0	0	0	-	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	3
% Bicycles on Road	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	-	-	0%	0.5%	0%	0%	0.5%	-	0%	0%	0%	0%	0%	-	0.3%
Pedestrians	-	-	-	-	-	5	-	-	-	-	-	8	-	-	-	-	-	1	-	-	-	-	-	7	-
% Pedestrians	-	-	-	-	-	71.4%	-	-	-	-	-	100%	-	-	-	-	-	100%	-	-	-	-	-	77.8%	-
Bicycles on Crosswalk	-	-	-	-	-	2	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	2	-
% Bicycles on Crosswalk	-	-	-	-	-	28.6%	-	-	-	-	-	0%	-	-	-	-	-	0%	-	-	-	-	-	22.2%	-

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

239319 (16) Washington @ Roosevelt TMC - TMC

Sat May 6, 2023

PM Peak (WKND) (May 06 2023 1PM - 2 PM)

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

All Movements

ID: 1065034, Location: 42.169817, -71.00819

Provided by: Precision Data Industries, LLC (PDI)
157 Washington Street, 2,
Hudson, MA, 01749, US

Leg Direction	Washington Street (Route 37) Southbound						Driveway Westbound						Washington Street (Route 37) Northbound						Roosevelt 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*	
2023-05-06 1:00PM	1	145	0	0	146	3	0	0	0	0	0	3	0	121	1	0	122	0	2	0	1	0	3	1	271
1:15PM	3	111	0	0	114	0	0	0	0	0	0	6	0	129	2	0	131	0	0	0	2	0	2	3	247
1:30PM	1	133	0	0	134	0	0	0	0	0	0	3	0	121	2	0	123	0	2	0	0	0	2	6	259
1:45PM	3	131	0	0	134	3	0	0	0	0	0	3	0	136	1	0	137	0	1	0	3	0	4	2	275
Total	8	520	0	0	528	6	0	0	0	0	0	15	0	507	6	0	513	0	5	0	6	0	11	12	1052
% Approach	1.5%	98.5%	0%	0%	-	-	0%	0%	0%	0%	-	-	0%	98.8%	1.2%	0%	-	-	45.5%	0%	54.5%	0%	-	-	-
% Total	0.8%	49.4%	0%	0%	50.2%	-	0%	0%	0%	0%	0%	-	0%	48.2%	0.6%	0%	48.8%	-	0.5%	0%	0.6%	0%	1.0%	-	-
PHF	0.667	0.897	-	-	0.904	-	-	-	-	-	-	-	-	0.932	0.750	-	0.936	-	0.625	-	0.500	-	0.688	-	0.956
Motorcycles	0	3	0	0	3	-	0	0	0	0	0	-	0	8	0	0	8	-	0	0	0	0	0	-	11
% Motorcycles	0%	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	-	-	0%	1.6%	0%	0%	1.6%	-	0%	0%	0%	0%	0%	-	1.0%
Lights	8	503	0	0	511	-	0	0	0	0	0	-	0	495	6	0	501	-	5	0	6	0	11	-	1023
% Lights	100%	96.7%	0%	0%	96.8%	-	0%	0%	0%	0%	-	-	0%	97.6%	100%	0%	97.7%	-	100%	0%	100%	0%	100%	-	97.2%
Single-Unit Trucks	0	12	0	0	12	-	0	0	0	0	0	-	0	3	0	0	3	-	0	0	0	0	0	-	15
% Single-Unit Trucks	0%	2.3%	0%	0%	2.3%	-	0%	0%	0%	0%	-	-	0%	0.6%	0%	0%	0.6%	-	0%	0%	0%	0%	0%	-	1.4%
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%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%	-	0.1%
Buses	0	1	0	0	1	-	0	0	0	0	0	-	0	1	0	0	1	-	0	0	0	0	0	-	2
% Buses	0%	0.2%	0%	0%	0.2%	-	0%	0%	0%	0%	-	-	0%	0.2%	0%	0%	0.2%	-	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	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	-	-	-	-	-	6	-	-	-	-	-	15	-	-	-	-	-	0	-	-	-	-	-	12	
% 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

Part 2: Automatic Traffic Recorder Counts

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000087
Site ID: 000000000101
Location: Granite St. NB, north of Wood Rd.
Direction: NORTH

STA. INB

File: D0501004.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		27	25	18	33	26			26	103
02:00		12	11	12	11	12			12	46
03:00		16	12	6	7	10			10	41
04:00		19	15	26	17	19			19	77
05:00		35	40	39	33	37			37	147
06:00		450	350	343	282	356			356	1425
07:00		593	360	332	282	392			392	1567
08:00		867	842	763	430	726			726	2902
09:00		850	881	795	448	744			744	2974
10:00		500	399	431		443			443	1330
11:00	269	302	292	314		294			294	1177
12:00	332	306	330	315		321			321	1283
13:00	492	416	364	404		419			419	1676
14:00	413	414	377	510		428			428	1714
15:00	421	470	415	529		459			459	1835
16:00	390	512	451	520		468			468	1873
17:00	531	492	576	506		526			526	2105
18:00	566	609	636	630		610			610	2441
19:00	412	390	471	398		418			418	1671
20:00	269	309	329	307		304			304	1214
21:00	244	245	246	256		248			248	991
22:00	146	142	156	178		156			156	622
23:00	78	89	94	92		88			88	353
24:00	39	45	42	50		44			44	176
TOTALS	4602	8110	7714	7774	1543	7548			7548	29743
% AVG WKDY	61.0	107.4	102.2	103.0	20.4					
% AVG WEEK	61.0	107.4	102.2	103.0	20.4					
AM Times	12:00	08:00	09:00	09:00	09:00	09:00			09:00	
AM Peaks	332	867	881	795	448	744			744	
PM Times	18:00	18:00	18:00	18:00		18:00			18:00	
PM Peaks	566	609	636	630		610			610	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000025
Site ID: 000000000102
Location: Granite St. SB, north of Wood Rd.
Direction: SOUTH

STA. 15B

File: D0501005.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		26	31	32	30	30			30	119
02:00		14	21	12	9	14			14	56
03:00		12	8	8	19	12			12	47
04:00		15	22	22	27	22			22	86
05:00		46	39	39	27	38			38	151
06:00		107	104	107	101	105			105	419
07:00		222	228	237	208	224			224	895
08:00		369	364	377	309	355			355	1419
09:00		555	559	589	489	548			548	2192
10:00		349	405	388	340	370			370	1482
11:00	331	309	334	378		338			338	1352
12:00	377	428	422	361		397			397	1588
13:00	407	475	396	469		437			437	1747
14:00	449	692	462	477		520			520	2080
15:00	561	734	590	685		642			642	2570
16:00	819	868	930	933		888			888	3550
17:00	1039	929	1079	1002		1012			1012	4049
18:00	827	1068	1096	860		963			963	3851
19:00	446	712	619	519		574			574	2296
20:00	275	277	271	288		278			278	1111
21:00	180	165	168	240		188			188	753
22:00	96	144	113	128		120			120	481
23:00	64	68	77	86		74			74	295
24:00	55	53	63	54		56			56	225
TOTALS	5926	8637	8401	8291	1559	8205			8205	32814
% AVG WKDY	72.2	105.3	102.4	101.0	19.0					
% AVG WEEK	72.2	105.3	102.4	101.0	19.0					
AM Times	12:00	09:00	09:00	09:00	09:00	09:00			09:00	
AM Peaks	377	555	559	589	489	548			548	
PM Times	17:00	18:00	18:00	17:00		17:00			17:00	
PM Peaks	1039	1068	1096	1002		1012			1012	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000058
Site ID: 000000000203
Location: Wood St. EB, west of Granite St.
Direction: EAST

STA. 2 EB

File: D0501007.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU	FRI	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		18	21			20			20	39
02:00		11	12			12			12	23
03:00		14	13			14			14	27
04:00		6	11			8			8	17
05:00		17	18			18			18	35
06:00		33	42			38			38	75
07:00		107	95			101			101	202
08:00		143	152			148			148	295
09:00		150	151			150			150	301
10:00		188	175			182			182	363
11:00	240	206	194			213			213	640
12:00	298	252	252			267			267	802
13:00	314	268	270			284			284	852
14:00	263	206	286			252			252	755
15:00	292	271	291			285			285	854
16:00	252	287	284			274			274	823
17:00	326	279	313			306			306	918
18:00	317	332	353			334			334	1002
19:00	215	247	227			230			230	689
20:00	165	182	165			171			171	512
21:00	107	116	96			106			106	319
22:00	99	93	82			91			91	274
23:00	54	43	38			45			45	135
24:00	12	18	6			12			12	36
TOTALS	2954	3487	3547			3561			3561	9988
% AVG WKDY	83.0	97.9	99.6							
% AVG WEEK	83.0	97.9	99.6							
AM Times	12:00	12:00	12:00			12:00			12:00	
AM Peaks	298	252	252			267			267	
PM Times	17:00	18:00	18:00			18:00			18:00	
PM Peaks	326	332	353			334			334	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000139
Site ID: 000000000204
Location: Wood St. WB, west of Granite St.
Direction: WEST

STA. 2WB

File: D0501002.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		9	7	14	10	10			10	40
02:00		10	17	10	13	12			12	50
03:00		12	5	8	8	8			8	33
04:00		5	10	3	2	5			5	20
05:00		66	60	61	57	61			61	244
06:00		113	110	112	93	107			107	428
07:00		171	166	166	159	166			166	662
08:00		189	217	197	215	204			204	818
09:00		331	368	365	328	348			348	1392
10:00		302	262	301	233	274			274	1098
11:00	262	217	224	252		239			239	955
12:00	276	236	259	267		260			260	1038
13:00	257	246	247	252		250			250	1002
14:00	260	229	277	253		255			255	1019
15:00	226	241	224	210		225			225	901
16:00	208	209	215	251		221			221	883
17:00	204	212	220	230		216			216	866
18:00	208	192	203	224		207			207	827
19:00	137	158	156	173		156			156	624
20:00	110	109	106	119		111			111	444
21:00	86	80	80	109		89			89	355
22:00	51	41	35	35		40			40	162
23:00	25	29	20	29		26			26	103
24:00	11	12	10	19		13			13	52
TOTALS	2321	3419	3498	3660	1118	3503			3503	14016
% AVG WKDY	66.3	97.6	99.9	104.5	31.9					
% AVG WEEK	66.3	97.6	99.9	104.5	31.9					
AM Times	12:00	09:00	09:00	09:00	09:00	09:00			09:00	
AM Peaks	276	331	368	365	328	348			348	
PM Times	14:00	13:00	14:00	14:00		14:00			14:00	
PM Peaks	260	246	277	253		255			255	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000144
Site ID: 000000000303
Location: Rockdale St. EB, east of Granite St.
Direction: EAST

STA. 3EB

File: D0501008.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		7	6	3	6	6			6	22
02:00		6	4	3	4	4			4	17
03:00		3	3	2	7	4			4	15
04:00		2	1	6	2	3			3	11
05:00		4	6	5	2	4			4	17
06:00		10	13	13	13	12			12	49
07:00		55	51	65	37	52			52	208
08:00		170	164	171	135	160			160	640
09:00		426	468	467	300	415			415	1661
10:00		297	267	262		275			275	826
11:00	109	148	116	119		123			123	492
12:00	104	103	86	100		98			98	393
13:00	128	127	118	150		131			131	523
14:00	115	119	111	141		122			122	486
15:00	63	86	82	70		75			75	301
16:00	58	53	42	60		53			53	213
17:00	58	62	82	67		67			67	269
18:00	77	60	68	63		67			67	268
19:00	25	31	33	27		29			29	116
20:00	20	19	25	19		21			21	83
21:00	18	22	14	15		17			17	69
22:00	11	16	14	9		12			12	50
23:00	7	6	7	8		7			7	28
24:00	10	7	7	5		7			7	29
TOTALS	803	1839	1788	1850	506	1764			1764	6786
% AVG WKDY	45.5	104.3	101.4	104.9	28.7					
% AVG WEEK	45.5	104.3	101.4	104.9	28.7					
AM Times	11:00	09:00	09:00	09:00	09:00	09:00			09:00	
AM Peaks	109	426	468	467	300	415			415	
PM Times	13:00	13:00	13:00	13:00		13:00			13:00	
PM Peaks	128	127	118	150		131			131	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000074
Site ID: 000000000304
Location: Rockdale St. WB, east of Granite St.
Direction: WEST

STA. 3 WB

File: D0501009.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		7	8	4	6	6			6	25
02:00		6	4	3	6	5			5	19
03:00		4	2	3	11	5			5	20
04:00		1	0	4	2	2			2	7
05:00		2	5	3	1	3			3	11
06:00		6	7	13	10	9			9	36
07:00		25	25	23	21	24			24	94
08:00		44	41	38	38	40			40	161
09:00		62	75	78	73	72			72	288
10:00		78	73	99		83			83	250
11:00	59	67	60	82		67			67	268
12:00	94	120	99	106		105			105	419
13:00	135	144	151	135		141			141	565
14:00	122	133	110	156		130			130	521
15:00	107	141	109	121		120			120	478
16:00	145	155	138	170		152			152	608
17:00	239	270	287	281		269			269	1077
18:00	333	372	377	337		355			355	1419
19:00	97	100	127	126		112			112	450
20:00	46	55	50	43		48			48	194
21:00	22	31	21	17		23			23	91
22:00	13	13	24	17		17			17	67
23:00	17	21	23	21		20			20	82
24:00	10	7	7	5		7			7	29
TOTALS	1439	1864	1823	1885	168	1815			1815	7179
% AVG WKDY	79.3	102.7	100.4	103.9	9.3					
% AVG WEEK	79.3	102.7	100.4	103.9	9.3					
AM Times	12:00	12:00	12:00	12:00	09:00	12:00			12:00	
AM Peaks	94	120	99	106	73	105			105	
PM Times	18:00	18:00	18:00	18:00		18:00			18:00	
PM Peaks	333	372	377	337		355			355	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000077
Site ID: 110000000401
Location: Route 37 NB, north of Davis Rd.
Direction: NORTH

STA 4 NB
LN 1

File: D0501036.prn
City: Braintree
County: speed ln.1

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		30	36	34	38	34			34	138
02:00		31	31	20	19	25			25	101
03:00		17	15	18	18	17			17	68
04:00		33	49	38	41	40			40	161
05:00		101	100	102	90	98			98	393
06:00		307	280	285	275	287			287	1147
07:00		558	525	535	452	518			518	2070
08:00		702	752	721	587	690			690	2762
09:00		666	689	665	481	625			625	2501
10:00		494	488	462	449	473			473	1893
11:00		438	428	471		446			446	1337
12:00	449	458	512	487		476			476	1906
13:00	508	514	463	505		498			498	1990
14:00	503	490	486	502		495			495	1981
15:00	455	461	486	531		483			483	1933
16:00	473	526	451	473		481			481	1923
17:00	489	484	505	523		500			500	2001
18:00	487	482	528	508		501			501	2005
19:00	412	399	460	442		428			428	1713
20:00	310	306	313	352		320			320	1281
21:00	230	210	218	246		226			226	904
22:00	148	168	146	182		161			161	644
23:00	127	117	121	116		120			120	481
24:00	67	69	82	88		76			76	306
TOTALS	4658	8061	8164	8306	2450	8018			8018	31639
% AVG WKDY	58.1	100.5	101.8	103.6	30.6					
% AVG WEEK	58.1	100.5	101.8	103.6	30.6					
AM Times	12:00	08:00	08:00	08:00	08:00	08:00			08:00	
AM Peaks	449	702	752	721	587	690			690	
PM Times	13:00	16:00	18:00	15:00		18:00			18:00	
PM Peaks	508	526	528	531		501			501	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000034
Site ID: 220000000401
Location: Route 37 NB, north of Davis Rd.
Direction: NORTH

STA. 4NB
LN. 2

File: D0501040.prn
City: Braintree
County: speed ln.2

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		27	33	26	37	31			31	123
02:00		11	13	17	23	16			16	64
03:00		27	24	23	34	27			27	108
04:00		52	37	33	39	40			40	161
05:00		80	65	81	83	77			77	309
06:00		280	258	285	228	263			263	1051
07:00		487	485	479	426	469			469	1877
08:00		661	685	685	511	636			636	2542
09:00		638	595	613	443	572			572	2289
10:00		415	390	390	357	388			388	1552
11:00		343	336	352		344			344	1031
12:00	313	352	361	321		337			337	1347
13:00	368	397	348	357		368			368	1470
14:00	368	375	388	352		371			371	1483
15:00	396	384	419	430		407			407	1629
16:00	354	384	350	353		360			360	1441
17:00	370	388	375	344		369			369	1477
18:00	352	350	377	427		376			376	1506
19:00	330	286	325	337		320			320	1278
20:00	221	223	262	236		236			236	942
21:00	156	183	189	207		184			184	735
22:00	117	142	129	135		131			131	523
23:00	88	83	109	101		95			95	381
24:00	50	62	66	98		69			69	276
TOTALS	3483	6630	6619	6682	2181	6486			6486	25595
% AVG WKDY	53.7	102.2	102.1	103.0	33.6					
% AVG WEEK	53.7	102.2	102.1	103.0	33.6					
AM Times	12:00	08:00	08:00	08:00	08:00	08:00		08:00		
AM Peaks	313	661	685	685	511	636		636		
PM Times	15:00	13:00	15:00	15:00		15:00		15:00		
PM Peaks	396	397	419	430		407		407		

Mass Highway Department

WEEKLY SUMMARY FOR ALL LANES
Starting: 5/1/2023

Page: 1

Station #: 230200000057
Site ID: 110000000402
Location: Route 37 SB, north of Davis Rd.
Direction: ROAD TOTAL

STA. 4SB
LN. 1

File: D0501038.prn
City: Braintree
County: speed ln.1

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		68	91	78	93	82			82	330
02:00		47	35	30	49	40			40	161
03:00		46	38	36	41	40			40	161
04:00		43	40	41	41	41			41	165
05:00		80	74	75	67	74			74	296
06:00		165	167	166	157	164			164	655
07:00		301	320	327	296	311			311	1244
08:00		356	374	420	388	384			384	1538
09:00		479	477	465	474	474			474	1895
10:00		456	436	414		435			435	1306
11:00		397	450	406		418			418	1253
12:00	443	523	504	483		488			488	1953
13:00	527	514	520	534		524			524	2095
14:00	515	584	518	534		538			538	2151
15:00	553	592	600	611		589			589	2356
16:00	695	678	743	688		701			701	2804
17:00	762	675	726	706		717			717	2869
18:00	672	731	695	718		704			704	2816
19:00	576	630	661	513		595			595	2380
20:00	459	462	469	445		459			459	1835
21:00	339	316	358	375		347			347	1388
22:00	248	258	249	310		266			266	1065
23:00	159	178	148	201		172			172	686
24:00	121	104	144	154		131			131	523
TOTALS	6069	8683	8837	8730	1606	8694			8694	33925
% AVG WKDY	69.8	99.9	101.6	100.4	18.5					
% AVG WEEK	69.8	99.9	101.6	100.4	18.5					
AM Times	12:00	12:00	12:00	12:00	09:00	12:00			12:00	
AM Peaks	443	523	504	483	474	488			488	
PM Times	17:00	18:00	16:00	18:00		17:00			17:00	
PM Peaks	762	731	743	718		717			717	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000146
Site ID: 220000000402
Location: Route 37 SB, north of Davis Rd.
Direction: SOUTH

STA. 45B
LN. 2

File: D0501042.prn
City: Braintree
County: speed ln.2

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		28	24	28	34	28			28	114
02:00		17	10	6	13	12			12	46
03:00		20	10	13	9	13			13	52
04:00		7	8	5	5	6			6	25
05:00		17	12	23	14	16			16	66
06:00		79	71	75	66	73			73	291
07:00		166	174	157	138	159			159	635
08:00		211	230	230	209	220			220	880
09:00		320	312	338	311	320			320	1281
10:00		259	260	266	227	253			253	1012
11:00		245	244	241		243			243	730
12:00	271	272	308	272		281			281	1123
13:00	414	366	348	317		361			361	1445
14:00	392	387	339	364		370			370	1482
15:00	406	466	479	454		451			451	1805
16:00	589	586	613	617		601			601	2405
17:00	760	567	639	705		668			668	2671
18:00	557	572	605	565		575			575	2299
19:00	385	459	479	490		453			453	1813
20:00	250	276	311	269		276			276	1106
21:00	211	204	228	243		222			222	886
22:00	119	156	131	173		145			145	579
23:00	71	89	98	104		90			90	362
24:00	49	61	51	51		53			53	212
TOTALS	4474	5830	5984	6006	1026	5889			5889	23320
% AVG WKDY	76.0	99.0	101.6	102.0	17.4					
% AVG WEEK	76.0	99.0	101.6	102.0	17.4					
AM Times	12:00	09:00	09:00	09:00	09:00	09:00		09:00		
AM Peaks	271	320	312	338	311	320		320		
PM Times	17:00	16:00	17:00	17:00		17:00		17:00		
PM Peaks	760	586	639	705		668		668		

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000151
Site ID: 000000000503
Location: West St. EB, west of Route 37
Direction: EAST

STA. 5EB

File: D0501010.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		8	4	5	12	7			7	29
02:00		7	7	3	7	6			6	24
03:00		4	6	9	2	5			5	21
04:00		7	4	5	4	5			5	20
05:00		19	12	9	7	12			12	47
06:00		54	50	55	45	51			51	204
07:00		119	119	114	102	114			114	454
08:00		224	240	220	217	225			225	901
09:00		309	269	262	227	267			267	1067
10:00		222	206	203	192	206			206	823
11:00		197	148	158		168			168	503
12:00	200	210	218	175		201			201	803
13:00	250	238	227	201		229			229	916
14:00	278	178	189	253		224			224	898
15:00	294	288	264	297		286			286	1143
16:00	286	336	290	353		316			316	1265
17:00	313	356	335	338		336			336	1342
18:00	316	303	344	310		318			318	1273
19:00	163	175	208	197		186			186	743
20:00	119	125	139	89		118			118	472
21:00	81	90	72	84		82			82	327
22:00	50	43	62	63		54			54	218
23:00	29	31	37	27		31			31	124
24:00	13	7	9	14		11			11	43
TOTALS	2392	3550	3459	3444	815	3458			3458	13660
% AVG WKDY	69.2	102.7	100.0	99.6	23.6					
% AVG WEEK	69.2	102.7	100.0	99.6	23.6					
AM Times	12:00	09:00	09:00	09:00	09:00	09:00			09:00	
AM Peaks	200	309	269	262	227	267			267	
PM Times	18:00	17:00	18:00	16:00		17:00			17:00	
PM Peaks	316	356	344	353		336			336	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000018
Site ID: 000000000504
Location: West St. WB, west of Route 37
Direction: WEST

STA. 5WB

File: D0501011.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		4	6	10	16	9			9	36
02:00		8	5	9	5	7			7	27
03:00		2	4	4	4	4			4	14
04:00		7	4	5	6	6			6	22
05:00		16	14	6	8	11			11	44
06:00		83	78	63	72	74			74	296
07:00		133	140	149	120	136			136	542
08:00		249	243	237	212	235			235	941
09:00		285	287	325	214	278			278	1111
10:00		167	174	182	167	172			172	690
11:00		168	158	148		158			158	474
12:00	177	227	175	169		187			187	748
13:00	204	212	240	244		225			225	900
14:00	186	201	185	168		185			185	740
15:00	228	279	269	256		258			258	1032
16:00	344	311	367	326		337			337	1348
17:00	457	283	372	351		366			366	1463
18:00	269	290	337	280		294			294	1176
19:00	197	173	197	205		193			193	772
20:00	144	150	150	131		144			144	575
21:00	103	104	113	106		106			106	426
22:00	71	92	55	71		72			72	289
23:00	31	42	32	30		34			34	135
24:00	21	18	28	32		25			25	99
TOTALS	2432	3504	3633	3507	824	3516			3516	13900
% AVG WKDY	69.2	99.7	103.3	99.7	23.4					
% AVG WEEK	69.2	99.7	103.3	99.7	23.4					
AM Times	12:00	09:00	09:00	09:00	09:00	09:00			09:00	
AM Peaks	177	285	287	325	214	278			278	
PM Times	17:00	16:00	17:00	17:00		17:00			17:00	
PM Peaks	457	311	372	351		366			366	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000067
Site ID: 000000000603
Location: Granite St. EB, west of Route 37
Direction: EAST

STA 6 EB

File: D0501012.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		7	11	10		9			9	28
02:00		8	7	9		8			8	24
03:00		7	5			6			6	12
04:00		6	8			7			7	14
05:00		9	8			8			8	17
06:00		30	33			32			32	63
07:00		109	108			108			108	217
08:00		222	227			224			224	449
09:00		274	274			274			274	548
10:00		193	166			180			180	359
11:00		183	177			180			180	360
12:00	204	182	198			195			195	584
13:00	250	195	194			213			213	639
14:00	271	217	224			237			237	712
15:00	327	343	300			323			323	970
16:00	270	333	292			298			298	895
17:00	345	341	331			339			339	1017
18:00	366	347	362			358			358	1075
19:00	237	250	283			257			257	770
20:00	176	167	213			185			185	556
21:00	101	110	125			112			112	336
22:00	83	63	70			72			72	216
23:00	37	42	47			42			42	126
24:00	20	24	18			21			21	62
TOTALS	2687	3662	3681	19		3688			3688	10049
% AVG WKDY	72.9	99.3	99.8	0.5						
% AVG WEEK	72.9	99.3	99.8	0.5						
AM Times	12:00	09:00	09:00	01:00		09:00			09:00	
AM Peaks	204	274	274	10		274			274	
PM Times	18:00	18:00	18:00			18:00			18:00	
PM Peaks	366	347	362			358			358	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000050
Site ID: 000000000604
Location: Granite St. WB, west of Route 37
Direction: WEST

STA. 6 WB

File: D0501013.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		11	23	14	17	16			16	65
02:00		9	2	6	7	6			6	24
03:00		7	5	3	5	5			5	20
04:00		7	7	4	8	6			6	26
05:00		15	19	14	13	15			15	61
06:00		56	57	59	56	57			57	228
07:00		178	154	176	143	163			163	651
08:00		480	437	449	397	441			441	1763
09:00		434	422	484	318	414			414	1658
10:00		239	230	250	211	232			232	930
11:00		184	186	201		190			190	571
12:00	216	232	227	234		227			227	909
13:00	214	255	244	218		233			233	931
14:00	255	288	231	261		259			259	1035
15:00	243	316	304	334		299			299	1197
16:00	356	333	374	343		352			352	1406
17:00	491	359	442	363		414			414	1655
18:00	330	336	384	416		366			366	1466
19:00	209	183	235	221		212			212	848
20:00	164	169	193	186		178			178	712
21:00	125	109	97	122		113			113	453
22:00	54	79	51	62		62			62	246
23:00	43	35	33	34		36			36	145
24:00	25	20	29	28		26			26	102
TOTALS	2725	4334	4386	4482	1175	4322			4322	17102
% AVG WKDY	63.0	100.3	101.5	103.7	27.2					
% AVG WEEK	63.0	100.3	101.5	103.7	27.2					
AM Times	12:00	08:00	08:00	09:00	08:00	08:00			08:00	
AM Peaks	216	480	437	484	397	441			441	
PM Times	17:00	17:00	17:00	18:00		17:00			17:00	
PM Peaks	491	359	442	416		414			414	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000078
Site ID: 000000000703
Location: West St. EB, east of Route 37
Direction: EAST

STA. 7 EB

File: D0501001.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		41	52	33	63	47			47	189
02:00		27	42	33	33	34			34	135
03:00		29	26	15	41	28			28	111
04:00		66	39	48	47	50			50	200
05:00		132	115	113	107	117			117	467
06:00		286	256	286	273	275			275	1101
07:00		671	613	602	523	602			602	2409
08:00		877	905	903	796	870			870	3481
09:00		824	806	831	638	775			775	3099
10:00		580	541	583	559	566			566	2263
11:00		538	498	550		529			529	1586
12:00	499	534	560	526		530			530	2119
13:00	589	604	567	567		582			582	2327
14:00	595	611	573	580		590			590	2359
15:00	671	679	708	768		706			706	2826
16:00	695	693	686	667		685			685	2741
17:00	681	636	669	720		676			676	2706
18:00	646	660	668	716		672			672	2690
19:00	556	560	607	654		594			594	2377
20:00	376	409	395	419		400			400	1599
21:00	247	262	274	333		279			279	1116
22:00	208	230	197	222		214			214	857
23:00	138	135	154	150		144			144	577
24:00	81	85	99	118		96			96	383
TOTALS	5982	10169	10050	10437	3080	10061			10061	39718
% AVG WKDY	59.5	101.1	99.9	103.7	30.6					
% AVG WEEK	59.5	101.1	99.9	103.7	30.6					
AM Times	12:00	08:00	08:00	08:00	08:00	08:00			08:00	
AM Peaks	499	877	905	903	796	870			870	
PM Times	16:00	16:00	15:00	15:00		15:00			15:00	
PM Peaks	695	693	708	768		706			706	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000155
Site ID: 000000000704
Location: West St. WB, east of Route 37
Direction: WEST

STA. 7 WB

File: D0501014.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		63	91	67	80	75			75	301
02:00		42	32	29	51	38			38	154
03:00		52	41	33	47	43			43	173
04:00		49	44	45	40	44			44	178
05:00		102	93	90	76	90			90	361
06:00		188	190	197	192	192			192	767
07:00		419	461	406	396	420			420	1682
08:00		648	654	671	648	655			655	2621
09:00		683	687	701	614	671			671	2685
10:00		558	544	563	547	553			553	2212
11:00		495	485	480		487			487	1460
12:00	537	631	563	591		580			580	2322
13:00	620	634	618	581		613			613	2453
14:00	668	691	559	714		658			658	2632
15:00	682	703	779	743		727			727	2907
16:00	845	813	872	892		856			856	3422
17:00	1002	898	961	984		961			961	3845
18:00	913	904	968	1000		946			946	3785
19:00	614	699	750	741		701			701	2804
20:00	518	529	567	522		534			534	2136
21:00	372	375	396	437		395			395	1580
22:00	223	246	223	295		247			247	987
23:00	151	163	151	184		162			162	649
24:00	126	110	139	159		134			134	534
TOTALS	7271	10695	10868	11125	2691	10782			10782	42650
% AVG WKDY	67.4	99.2	100.8	103.2	25.0					
% AVG WEEK	67.4	99.2	100.8	103.2	25.0					
AM Times	12:00	09:00	09:00	09:00	08:00	09:00			09:00	
AM Peaks	537	683	687	701	648	671			671	
PM Times	17:00	18:00	18:00	18:00		17:00			17:00	
PM Peaks	1002	904	968	1000		961			961	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000056
Site ID: 000000000801
Location: Route 37 NB, north of JW Leroy Jr. Way
Direction: NORTH

STA. 8NB

File: D0501016.prn
City: Braintree
County: speed

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		17	17	26	23	21			21	83
02:00		13	13	15	13	14			14	54
03:00		16	15	24	15	18			18	70
04:00		28	43	29	30	32			32	130
05:00		83	77	85	74	80			80	319
06:00		342	317	300	272	308			308	1231
07:00		598	613	588		600			600	1799
08:00		853	854	853		853			853	2560
09:00		886	896	852		878			878	2634
10:00		585	587	548		573			573	1720
11:00		494	516	518		509			509	1528
12:00		503	571	562		545			545	1636
13:00	502	580	477	575		534			534	2134
14:00	505	537	563	533		534			534	2138
15:00	517	559	582	576		558			558	2234
16:00	578	606	630	597		603			603	2411
17:00	565	562	599	624		588			588	2350
18:00	535	559	623	631		587			587	2348
19:00	470	434	511	467		470			470	1882
20:00	346	359	435	372		378			378	1512
21:00	258	252	250	277		259			259	1037
22:00	131	150	139	163		146			146	583
23:00	91	76	87	105		90			90	359
24:00	52	51	63	109		69			69	275
TOTALS	4550	9143	9478	9429	427	9247			9247	33027
% AVG WKDY	49.2	98.9	102.5	102.0	4.6					
% AVG WEEK	49.2	98.9	102.5	102.0	4.6					
AM Times		09:00	09:00	08:00	06:00	09:00		09:00		
AM Peaks		886	896	853	272	878		878		
PM Times	16:00	16:00	16:00	18:00		16:00		16:00		
PM Peaks	578	606	630	631		603		603		

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000125
Site ID: 000000000802
Location: Route 37 SB, north of JW Leroy Jr. Way
Direction: SOUTH

STA 85B

File: D0501018.prn
City: Braintree
County: speed

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		35	51	40	53	45			45	179
02:00		20	18	12	18	17			17	68
03:00		17	13	16	11	14			14	57
04:00		11	12	11	9	11			11	43
05:00		23	15	20	24	20			20	82
06:00		88	84	84	64	80			80	320
07:00		178	181	189	173	180			180	721
08:00		368	342	387	411	377			377	1508
09:00		434	420	421	421	424			424	1696
10:00		393	375	355	360	371			371	1483
11:00		344	371	383		366			366	1098
12:00		436	466	421		441			441	1323
13:00	598	543	540	484		541			541	2165
14:00	597	555	548	558		564			564	2258
15:00	649	683	715	713		690			690	2760
16:00	819	864	896	863		860			860	3442
17:00	864	826	922	834		862			862	3446
18:00	837	839	848	775		825			825	3299
19:00	597	679	752	639		667			667	2667
20:00	424	438	435	418		429			429	1715
21:00	345	328	357	381		353			353	1411
22:00	183	214	224	274		224			224	895
23:00	109	115	128	176		132			132	528
24:00	61	74	71	75		70			70	281
TOTALS	6083	8505	8784	8529	1544	8563			8563	33445
% AVG WKDY	71.0	99.3	102.6	99.6	18.0					
% AVG WEEK	71.0	99.3	102.6	99.6	18.0					
AM Times		12:00	12:00	09:00	09:00	12:00			12:00	
AM Peaks		436	466	421	421	441			441	
PM Times	17:00	16:00	17:00	16:00		17:00			17:00	
PM Peaks	864	864	922	863		862			862	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000141
Site ID: 000000903904
Location: JW Leroy Jr. Way, west of Route 37
Direction: EAST

STA. 9EB

File: D0501034.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		0	0	0	0	0			0	0
02:00		0	2	0	0	0			0	2
03:00		0	0	0	0	0			0	0
04:00		0	1	0	0	0			0	1
05:00		2	2	1	2	2			2	7
06:00		6	7	8	4	6			6	25
07:00		44	49	47	46	46			46	186
08:00		316	259	283	307	291			291	1165
09:00		47	39	35	41	40			40	162
10:00		30	27	19	20	24			24	96
11:00		47	26	53		42			42	126
12:00		63	16	66		48			48	145
13:00	32	21	26	26		26			26	105
14:00	102	119	77	100		100			100	398
15:00	137	187	153	155		158			158	632
16:00	95	67	78	67		77			77	307
17:00	125	62	108	97		98			98	392
18:00	88	66	98	99		88			88	351
19:00	90	65	84	83		80			80	322
20:00	53	33	73	54		53			53	213
21:00	15	17	8	21		15			15	61
22:00	5	5	4	7		5			5	21
23:00	2	0	2	4		2			2	8
24:00	2	0	1	1		1			1	4
TOTALS	746	1197	1140	1226	420	1202			1202	4729
% AVG WKDY	62.1	99.6	94.8	102.0	34.9					
% AVG WEEK	62.1	99.6	94.8	102.0	34.9					
AM Times		08:00	08:00	08:00	08:00	08:00			08:00	
AM Peaks		316	259	283	307	291			291	
PM Times	15:00	15:00	15:00	15:00		15:00			15:00	
PM Peaks	137	187	153	155		158			158	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 2
Starting: 5/1/2023

Page: 2

Station #: 230200000141
Site ID: 000000903904
Location: JW Leroy Jr. Way, west of Route 37
Direction: WEST

STA. 9WB

File: D0501034.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		0	0	0	0	0			0	0
02:00		0	0	1	1	0			0	2
03:00		0	0	0	0	0			0	0
04:00		0	1	0	0	0			0	1
05:00		0	0	0	0	0			0	0
06:00		1	2	0	0	1			1	3
07:00		5	7	6	11	7			7	29
08:00		211	173	198	193	194			194	775
09:00		19	14	18	14	16			16	65
10:00		11	18	12	15	14			14	56
11:00		38	22	50		37			37	110
12:00		59	11	52		41			41	122
13:00	19	16	22	26		21			21	83
14:00	64	98	47	77		72			72	286
15:00	191	264	224	246		231			231	925
16:00	78	63	57	56		64			64	254
17:00	70	51	69	55		61			61	245
18:00	58	35	88	39		55			55	220
19:00	72	46	74	78		68			68	270
20:00	59	40	77	54		58			58	230
21:00	8	24	14	16		16			16	62
22:00	10	7	13	11		10			10	41
23:00	2	4	2	6		4			4	14
24:00	4	2	2	5		3			3	13
TOTALS	635	994	937	1006	234	973			973	3806
% AVG WKDY	65.3	102.2	96.3	103.4	24.0					
% AVG WEEK	65.3	102.2	96.3	103.4	24.0					
AM Times		08:00	08:00	08:00	08:00	08:00		08:00		
AM Peaks		211	173	198	193	194		194		
PM Times	15:00	15:00	15:00	15:00		15:00		15:00		
PM Peaks	191	264	224	246		231		231		

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000145
Site ID: 000000001003
Location: Pond St. EB, west of Route 37
Direction: EAST

STA: 10 EB

File: D0501019.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		50	43	48		47			47	141
02:00		23	22	20		22			22	65
03:00		18	16	18		17			17	52
04:00		23	21	27		24			24	71
05:00		57	54	66		59			59	177
06:00		205	222	221		216			216	648
07:00		586	577	541		568			568	1704
08:00		1201	1221	1222		1215			1215	3644
09:00		1112	1143	1010		1088			1088	3265
10:00		744	755	766		755			755	2265
11:00		677	661	655		664			664	1993
12:00		785	785	743		771			771	2313
13:00	829	755	832	805		805			805	3221
14:00	940	837	812	822		853			853	3411
15:00	1101	1158	1092	1151		1126			1126	4502
16:00	1144	1146	1169	732		1048			1048	4191
17:00	1261	1191	1192	797		1110			1110	4441
18:00	1231	1143	1280	850		1126			1126	4504
19:00	885	856	937	698		844			844	3376
20:00	712	665	755	585		679			679	2717
21:00	401	427	420	349		399			399	1597
22:00	255	261	264	284		266			266	1064
23:00	142	168	151	197		164			164	658
24:00	113	112	109	128		116			116	462
TOTALS	9014	14200	14533	12735		13982			13982	50482
% AVG WKDY	64.5	101.6	103.9	91.1						
% AVG WEEK	64.5	101.6	103.9	91.1						
AM Times		08:00	08:00	08:00		08:00			08:00	
AM Peaks		1201	1221	1222		1215			1215	
PM Times	17:00	17:00	18:00	15:00		15:00			15:00	
PM Peaks	1261	1191	1280	1151		1126			1126	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000045
Site ID: 000000001004
Location: Pond St. WB, west of Route 37
Direction: WEST

STA 110 WB

File: D0501003.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		46	42	45	48	45			45	181
02:00		22	20	21	25	22			22	88
03:00		19	16	17	11	16			16	63
04:00		22	22	28	18	22			22	90
05:00		53	52	65	53	56			56	223
06:00		204	222	223	149	200			200	798
07:00		589	580	533	388	522			522	2090
08:00		1190	1204	1227	811	1108			1108	4432
09:00		1094	1090	984	604	943			943	3772
10:00		697	724	739	440	650			650	2600
11:00		645	638	646		643			643	1929
12:00		746	773	728		749			749	2247
13:00	799	742	811	794		786			786	3146
14:00	897	833	766	808		826			826	3304
15:00	1069	1130	1053	1093		1086			1086	4345
16:00	1099	1107	1134	616		989			989	3956
17:00	1222	1171	1160	670		1056			1056	4223
18:00	1172	1110	1248	742		1068			1068	4272
19:00	849	842	895	621		802			802	3207
20:00	694	648	742	551		659			659	2635
21:00	398	430	415	337		395			395	1580
22:00	251	257	257	261		256			256	1026
23:00	137	163	151	191		160			160	642
24:00	111	111	109	120		113			113	451
TOTALS	8698	13871	14124	12060	2547	13172			13172	51300
% AVG WKDY	66.0	105.3	107.2	91.6	19.3					
% AVG WEEK	66.0	105.3	107.2	91.6	19.3					
AM Times		08:00	08:00	08:00	08:00	08:00			08:00	
AM Peaks		1190	1204	1227	811	1108			1108	
PM Times	17:00	17:00	18:00	15:00		15:00			15:00	
PM Peaks	1222	1171	1248	1093		1086			1086	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000033
Site ID: 000000110304
Location: Hancock St., east of Route 37
Direction: EAST

STA. 11 EB

File: D0501032.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU	FRI	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		25	27			26			26	52
02:00		14	12			13			13	26
03:00		7	19			13			13	26
04:00		25	33			29			29	58
05:00		91	93			92			92	184
06:00		288	276			282			282	564
07:00		392	389			390			390	781
08:00		482	528			505			505	1010
09:00		460	438			449			449	898
10:00		352	347			350			350	699
11:00		322	351			336			336	673
12:00		310	339			324			324	649
13:00	398	325	362			362			362	1085
14:00	344	316	323			328			328	983
15:00	351	367	340			353			353	1058
16:00	370	330	379			360			360	1079
17:00	389	338	378			368			368	1105
18:00	345	372	356			358			358	1073
19:00	272	285	293			283			283	850
20:00	249	231				240			240	480
21:00	199	180				190			190	379
22:00	141	158				150			150	299
23:00	81	98				90			90	179
24:00	60	53				56			56	113
TOTALS	3199	5821	5283			5947			5947	14303
% AVG WKDY	53.8	97.9	88.8							
% AVG WEEK	53.8	97.9	88.8							
AM Times		08:00	08:00			08:00			08:00	
AM Peaks		482	528			505			505	
PM Times	13:00	18:00	16:00			17:00			17:00	
PM Peaks	398	372	379			368			368	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 2
Starting: 5/1/2023

Page: 2

Station #: 230200000033
Site ID: 000000110304
Location: Hancock St., east of Route 37
Direction: WEST

STA 11 WB

File: D0501032.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU	FRI	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		50	53			52			52	103
02:00		25	21			23			23	46
03:00		16	21			18			18	37
04:00		13	20			16			16	33
05:00		32	32			32			32	64
06:00		79	55			67			67	134
07:00		142	153			148			148	295
08:00		286	290			288			288	576
09:00		353	351			352			352	704
10:00		294	313			304			304	607
11:00		323	311			317			317	634
12:00		366	374			370			370	740
13:00	390	388	417			398			398	1195
14:00	415	409	417			414			414	1241
15:00	491	452	472			472			472	1415
16:00	534	563	546			548			548	1643
17:00	593	549	571			571			571	1713
18:00	554	574	569			566			566	1697
19:00	449	447	434			443			443	1330
20:00	344	361				352			352	705
21:00	276	264				270			270	540
22:00	163	202				182			182	365
23:00	99	120				110			110	219
24:00	91	93				92			92	184
TOTALS	4399	6401	5420			6405			6405	16220
% AVG WKDY	68.7	99.9	84.6							
% AVG WEEK	68.7	99.9	84.6							
AM Times		12:00	12:00			12:00		12:00		
AM Peaks		366	374			370		370		
PM Times	17:00	18:00	17:00			17:00		17:00		
PM Peaks	593	574	571			571		571		

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1

Page: 1

Starting: 5/1/2023

Station #: 230200000053
 Site ID: 000000001203
 Location: Plain St. EB, east of Route 37
 Direction: EAST

STA. 12 EB

File: D0501020.prn
 City: Braintree
 County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		17	13	11	21	16			16	62
02:00		10	7	3	12	8			8	32
03:00		10	4	12	10	9			9	36
04:00		11	10	11	7	10			10	39
05:00		57	44	49	51	50			50	201
06:00		146	150	153	153	150			150	602
07:00		256	261	260	226	251			251	1003
08:00		432	460	424	389	426			426	1705
09:00		501	498	467	456	480			480	1922
10:00		393	383	433	386	399			399	1595
11:00		395	416	372		394			394	1183
12:00		428	422	396		415			415	1246
13:00	503	446	431	434		454			454	1814
14:00	488	428	447	451		454			454	1814
15:00	606	563	581	562		578			578	2312
16:00	602	616	633	677		632			632	2528
17:00	612	626	671	651		640			640	2560
18:00	562	579	578	598		579			579	2317
19:00	395	412	463	482		438			438	1752
20:00	312	297	371	306		322			322	1286
21:00	200	203	227	214		211			211	844
22:00	93	131	114	175		128			128	513
23:00	81	74	83	82		80			80	320
24:00	40	47	41	49		44			44	177
TOTALS	4494	7078	7308	7272	1711	7168			7168	27863
% AVG WKDY	62.7	98.7	102.0	101.5	23.9					
% AVG WEEK	62.7	98.7	102.0	101.5	23.9					
AM Times		09:00	09:00	09:00	09:00	09:00			09:00	
AM Peaks		501	498	467	456	480			480	
PM Times	17:00	17:00	17:00	16:00		17:00			17:00	
PM Peaks	612	626	671	677		640			640	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000127
Site ID: 000000001204
Location: Plain St. WB, east of Route 37
Direction: WEST

STA. 12 WB

File: D0501001.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		25	21	30	44	30			30	120
02:00		14	10	14	13	13			13	51
03:00		11	9	14	10	11			11	44
04:00		12	15	11	7	11			11	45
05:00		45	48	40	42	44			44	175
06:00		146	129	139	112	132			132	526
07:00		368	374	378	309	357			357	1429
08:00		686	841	745	569	710			710	2841
09:00		695	788	688	508	670			670	2679
10:00		463	452	498	510	481			481	1923
11:00		450	473	462		462			462	1385
12:00		447	503	561		504			504	1511
13:00	568	490	443	589		522			522	2090
14:00	518	551	554	537		540			540	2160
15:00	536	524	576	527		541			541	2163
16:00	576	617	649	611		613			613	2453
17:00	642	608	605	691		636			636	2546
18:00	636	640	713	763		688			688	2752
19:00	441	473	533	502		487			487	1949
20:00	326	374	406	332		360			360	1438
21:00	269	249	240	233		248			248	991
22:00	134	142	171	174		155			155	621
23:00	99	95	92	106		98			98	392
24:00	77	75	84	101		84			84	337
TOTALS	4822	8200	8729	8746	2124	8397			8397	32621
% AVG WKDY	57.4	97.7	104.0	104.2	25.3					
% AVG WEEK	57.4	97.7	104.0	104.2	25.3					
AM Times		09:00	08:00	08:00	08:00	08:00			08:00	
AM Peaks		695	841	745	569	710			710	
PM Times	17:00	18:00	18:00	18:00		18:00			18:00	
PM Peaks	642	640	713	763		688			688	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000017
Site ID: 000000001301
Location: Route 37 NB, north of Braxton St.
Direction: NORTH

STA. 13NB

File: D0501022.prn
City: Braintree
County: speed

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		36	35	50	26	37			37	147
02:00		16	25	16	23	20			20	80
03:00		25	34	28	29	29			29	116
04:00		52	61	63	53	57			57	229
05:00		197	173	182	178	182			182	730
06:00		614	616	589	557	594			594	2376
07:00		918	943	908	808	894			894	3577
08:00		1172	1202	1066	1036	1119			1119	4476
09:00		1119	1063	1004	938	1031			1031	4124
10:00		692	704	736	683	704			704	2815
11:00		621	665	600		629			629	1886
12:00		576	623	633		611			611	1832
13:00		629	647	629		635			635	1905
14:00	600	607	599	578		596			596	2384
15:00	695	672	701	720		697			697	2788
16:00	752	721	729	768		742			742	2970
17:00	766	707	783	713		742			742	2969
18:00	726	656	739	799		730			730	2920
19:00	557	505	580	560		550			550	2202
20:00	467	443	477	502		472			472	1889
21:00	321	271	303	358		313			313	1253
22:00	205	237	225	280		237			237	947
23:00	132	146	152	147		144			144	577
24:00	91	81	99	109		95			95	380
TOTALS	5312	11713	12178	12038	4331	11860			11860	45572
% AVG WKDY	44.8	98.8	102.7	101.5	36.5					
% AVG WEEK	44.8	98.8	102.7	101.5	36.5					
AM Times		08:00	08:00	08:00	08:00	08:00			08:00	
AM Peaks		1172	1202	1066	1036	1119			1119	
PM Times	17:00	16:00	17:00	18:00		16:00			16:00	
PM Peaks	766	721	783	799		742			742	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000102
Site ID: 000000001302
Location: Route 37 SB, north of Braxton St.
Direction: SOUTH

STA. 13 SB

File: D0501024.prn
City: Braintree
County: speed

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		90	92	100	109	98			98	391
02:00		39	45	49	44	44			44	177
03:00		26	29	31	32	30			30	118
04:00		18	25	18	22	21			21	83
05:00		41	40	42	43	42			42	166
06:00		134	116	121	105	119			119	476
07:00		272	309	313	306	300			300	1200
08:00		564	546	549	528	547			547	2187
09:00		585	567	626	540	580			580	2318
10:00		475	523	488	483	492			492	1969
11:00		506	513	494		504			504	1513
12:00		594	596	545		578			578	1735
13:00		623	678	655		652			652	1956
14:00	722	706	753	679		715			715	2860
15:00	933	927	977	888		931			931	3725
16:00	1003	1057	1087	945		1023			1023	4092
17:00	1154	1114	1106	1053		1107			1107	4427
18:00	1205	1080	1191	988		1116			1116	4464
19:00	927	955	999	1023		976			976	3904
20:00	743	703	798	863		777			777	3107
21:00	536	530	602	597		566			566	2265
22:00	349	377	412	430		392			392	1568
23:00	202	228	217	293		235			235	940
24:00	173	175	210	227		196			196	785
TOTALS	7947	11819	12431	12017	2212	12041			12041	46426
% AVG WKDY	66.0	98.2	103.2	99.8	18.4					
% AVG WEEK	66.0	98.2	103.2	99.8	18.4					
AM Times		12:00	12:00	09:00	09:00	09:00			09:00	
AM Peaks		594	596	626	540	580			580	
PM Times	18:00	17:00	18:00	17:00		18:00			18:00	
PM Peaks	1205	1114	1191	1053		1116			1116	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000123
Site ID: 000000001403
Location: Braxton St. EB, west of Route 37
Direction: EAST

STA. 14 EB

File: D0501025.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		8	10	14	2	8			8	34
02:00		4	2	1	0	2			2	7
03:00		0	1	1	0	0			0	2
04:00		1	1	3	2	2			2	7
05:00		4	3	3	2	3			3	12
06:00		3	3	4	5	4			4	15
07:00		18	20	13	17	17			17	68
08:00		37	31	30	27	31			31	125
09:00		58	46	30	46	45			45	180
10:00		70	58	64	60	63			63	252
11:00		65	60	54		60			60	179
12:00		91	68	64		74			74	223
13:00		75	79	80		78			78	234
14:00	61	82	81	63		72			72	287
15:00	113	96	102	106		104			104	417
16:00	115	124	173	120		133			133	532
17:00	100	112	197	101		128			128	510
18:00	139	136	120	112		127			127	507
19:00	72	76	105	85		84			84	338
20:00	102	110	90	117		105			105	419
21:00	87	50	53	69		65			65	259
22:00	50	66	48	88		63			63	252
23:00	33	14	16	19		20			20	82
24:00	52	48	51	53		51			51	204
TOTALS	924	1348	1418	1294	161	1339			1339	5145
% AVG WKDY	69.0	100.7	105.9	96.6	12.0					
% AVG WEEK	69.0	100.7	105.9	96.6	12.0					
AM Times		12:00	12:00	10:00	10:00	12:00			12:00	
AM Peaks		91	68	64	60	74			74	
PM Times	18:00	18:00	17:00	16:00		16:00			16:00	
PM Peaks	139	136	197	120		133			133	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000118
Site ID: 000000001404
Location: Braxton St. WB, west of Route 37
Direction: WEST

STA 14WB

File: D0501026.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		6	5	6	3	5			5	20
02:00		0	2	0	0	0			0	2
03:00		1	1	0	0	0			0	2
04:00		1	2	4	4	3			3	11
05:00		5	6	10	5	6			6	26
06:00		32	22	25	34	28			28	113
07:00		91	81	81	76	82			82	329
08:00		89	74	61	67	73			73	291
09:00		157	152	121	139	142			142	569
10:00		147	118	131	132	132			132	528
11:00		82	76	76	80	78			78	314
12:00		85	68	74		76			76	227
13:00		103	93	97		98			98	293
14:00	96	88	85	74		86			86	343
15:00	131	120	131	101		121			121	483
16:00	126	124	147	99		124			124	496
17:00	79	111	99	93		96			96	382
18:00	155	136	124	140		139			139	555
19:00	121	98	105	111		109			109	435
20:00	128	130	110	146		128			128	514
21:00	71	50	57	63		60			60	241
22:00	49	45	48	60		50			50	202
23:00	14	12	9	12		12			12	47
24:00	20	22	24	27		23			23	93
TOTALS	990	1735	1639	1612	540	1671			1671	6516
% AVG WKDY	59.2	103.8	98.1	96.5	32.3					
% AVG WEEK	59.2	103.8	98.1	96.5	32.3					
AM Times		09:00	09:00	10:00	09:00	09:00		09:00		
AM Peaks		157	152	131	139	142		142		
PM Times	18:00	18:00	16:00	20:00		18:00		18:00		
PM Peaks	155	136	147	146		139		139		

Mass Highway Department

WEEKLY SUMMARY FOR ALL LANES
Starting: 5/1/2023

Page: 1

Station #: 230200000032
Site ID: 000000001501
Location: Peach St. NB, east of Route 37
Direction: ROAD TOTAL

STA 15NB

File: D0501027.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED	THU	FRI	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		7				7			7	7
02:00		6				6			6	6
03:00		7				7			7	7
04:00						0			0	0
05:00						0			0	0
06:00						0			0	0
07:00						0			0	0
08:00						0			0	0
09:00						0			0	0
10:00						0			0	0
11:00						0			0	0
12:00						0			0	0
13:00						0			0	0
14:00	138					138			138	138
15:00	187					187			187	187
16:00	198					198			198	198
17:00	164					164			164	164
18:00	149					149			149	149
19:00	124					124			124	124
20:00	114					114			114	114
21:00	75					75			75	75
22:00	40					40			40	40
23:00	29					29			29	29
24:00	13					13			13	13
TOTALS	1231	20				1251			1251	1251
% AVG WKDY	98.4	1.6								
% AVG WEEK	98.4	1.6								
AM Times		01:00				01:00			01:00	
AM Peaks		7				7			7	
PM Times	16:00					16:00			16:00	
PM Peaks	198					198			198	

NO DATA

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000040
Site ID: 000000001502
Location: Peach St. SB, east of Route 37
Direction: SOUTH

STA. 15SB

File: D0501028.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		11	9	10	10	10			10	40
02:00		5	9	6	6	6			6	26
03:00		7	6	14	6	8			8	33
04:00		5	3	6	11	6			6	25
05:00		12	8	13	10	11			11	43
06:00		53	54	42	40	47			47	189
07:00		125	123	115	101	116			116	464
08:00		232	236	210	202	220			220	880
09:00		213	195	219	191	204			204	818
10:00		122	128	140	106	124			124	496
11:00		128	127	127	94	119			119	476
12:00		162	127	116		135			135	405
13:00		124	134	135		131			131	393
14:00	143	130	149	142		141			141	564
15:00	222	225	239	236		230			230	922
16:00	221	261	219	213		228			228	914
17:00	273	263	266	227		257			257	1029
18:00	275	262	300	247		271			271	1084
19:00	189	171	228	234		206			206	822
20:00	143	139	128	148		140			140	558
21:00	90	85	106	118		100			100	399
22:00	51	56	64	81		63			63	252
23:00	30	33	24	38		31			31	125
24:00	24	15	28	28		24			24	95
TOTALS	1661	2839	2910	2865	777	2828			2828	11052
% AVG WKDY	58.7	100.4	102.9	101.3	27.5					
% AVG WEEK	58.7	100.4	102.9	101.3	27.5					
AM Times		08:00	08:00	09:00	08:00	08:00			08:00	
AM Peaks		232	236	219	202	220			220	
PM Times	18:00	17:00	18:00	18:00		18:00			18:00	
PM Peaks	275	263	300	247		271			271	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000065
Site ID: 000000160304
Location: Park Ave., east of Route 37
Direction: EAST

STA. 16 EB

File: D0501033.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		2	2	2	6	3			3	12
02:00		1	0	0	0	0			0	1
03:00		0	0	3	2	1			1	5
04:00		1	1	0	2	1			1	4
05:00		1	0	1	1	1			1	3
06:00		3	4	2	4	3			3	13
07:00		8	10	8	9	9			9	35
08:00		30	29	49	32	35			35	140
09:00		57	53	52	50	53			53	212
10:00		21	22	26	25	24			24	94
11:00		37	36	20	28	30			30	121
12:00		31	45	28		35			35	104
13:00		26	32	42		33			33	100
14:00	56	30	44	37		42			42	167
15:00	77	79	90	78		81			81	324
16:00	54	56	63	58		58			58	231
17:00	78	76	71	51		69			69	276
18:00	51	74	66	69		65			65	260
19:00	62	49	58	48		54			54	217
20:00	62	46	67	55		58			58	230
21:00	31	41	42	37		38			38	151
22:00	22	22	20	22		22			22	86
23:00	11	14	11	13		12			12	49
24:00	5	5	5	14		7			7	29
TOTALS	509	710	771	715	159	734			734	2864
% AVG WKDY	69.3	96.7	105.0	97.4	21.7					
% AVG WEEK	69.3	96.7	105.0	97.4	21.7					
AM Times		09:00	09:00	09:00	09:00	09:00		09:00		
AM Peaks		57	53	52	50	53		53		
PM Times	17:00	15:00	15:00	15:00		15:00		15:00		
PM Peaks	78	79	90	78		81		81		

Mass Highway Department

WEEKLY SUMMARY FOR LANE 2
Starting: 5/1/2023

Page: 2

Station #: 230200000065
Site ID: 000000160304
Location: Park Ave., east of Route 37
Direction: WEST

STA: 16WB

File: D0501033.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		0	1	2	1	1			1	4
02:00		0	1	0	0	0			0	1
03:00		1	2	1	1	1			1	5
04:00		1	2	1	3	2			2	7
05:00		8	8	6	7	7			7	29
06:00		19	23	19	22	21			21	83
07:00		42	54	52	49	49			49	197
08:00		78	80	93	71	80			80	322
09:00		100	94	90	93	94			94	377
10:00		41	47	49	43	45			45	180
11:00		35	28	34	35	33			33	132
12:00		32	32	30		31			31	94
13:00		41	42	45		43			43	128
14:00	56	35	44	43		44			44	178
15:00	47	52	64	73		59			59	236
16:00	59	63	57	68		62			62	247
17:00	70	57	65	52		61			61	244
18:00	68	55	67	68		64			64	258
19:00	44	38	44	44		42			42	170
20:00	31	33	36	40		35			35	140
21:00	26	23	14	20		21			21	83
22:00	10	9	12	15		12			12	46
23:00	6	4	6	8		6			6	24
24:00	2	2	2	2		2			2	8
TOTALS	419	769	825	855	325	815			815	3193
% AVG WKDY	51.4	94.4	101.2	104.9	39.9					
% AVG WEEK	51.4	94.4	101.2	104.9	39.9					
AM Times		09:00	09:00	08:00	09:00	09:00			09:00	
AM Peaks		100	94	93	93	94			94	
PM Times	17:00	16:00	18:00	15:00		18:00			18:00	
PM Peaks	70	63	67	73		64			64	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000164
Site ID: 000000001703
Location: South St. EB, west of Route 37
Direction: EAST

STA. 17 EB

File: D0501006.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		11	11	17	7	12			12	46
02:00		11	11	8	7	9			9	37
03:00		9	10	12	15	12			12	46
04:00		20	23	17	18	20			20	78
05:00		36	31	35	34	34			34	136
06:00		89	100	98	93	95			95	380
07:00		203	195	193	170	190			190	761
08:00		352	358	346	278	334			334	1334
09:00		354	308	331	273	316			316	1266
10:00		184	181	238	165	192			192	768
11:00		168	152	147	159	156			156	626
12:00		157	153	162		157			157	472
13:00		186	212	169		189			189	567
14:00	168	172	200	161		175			175	701
15:00	241	263	257	245		252			252	1006
16:00	275	286	270	277		277			277	1108
17:00	371	341	343	334		347			347	1389
18:00	302	306	320	310		310			310	1238
19:00	208	168	229	202		202			202	807
20:00	144	120	123	131		130			130	518
21:00	81	71	92	117		90			90	361
22:00	64	55	66	50		59			59	235
23:00	41	40	43	41		41			41	165
24:00	12	18	21	29		20			20	80
TOTALS	1907	3620	3709	3670	1219	3619			3619	14125
% AVG WKDY	52.7	100.0	102.5	101.4	33.7					
% AVG WEEK	52.7	100.0	102.5	101.4	33.7					
AM Times		09:00	08:00	08:00	08:00	08:00			08:00	
AM Peaks		354	358	346	278	334			334	
PM Times	17:00	17:00	17:00	17:00		17:00			17:00	
PM Peaks	371	341	343	334		347			347	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000149
Site ID: 000000001704
Location: South St. WB, west of Route 37
Direction: WEST

STA. 17 WB

File: D0501029.prn
City: Braintree
County: volume

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		13	23	19	19	18			18	74
02:00		7	5	7	9	7			7	28
03:00		12	14	14	15	14			14	55
04:00		8	6	9	11	8			8	34
05:00		12	21	16	23	18			18	72
06:00		75	63	63	47	62			62	248
07:00		101	132	131	130	124			124	494
08:00		254	263	278	224	255			255	1019
09:00		265	265	316	223	267			267	1069
10:00		158	169	177	143	162			162	647
11:00		142	139	147	153	145			145	581
12:00		175	169	157		167			167	501
13:00		196	214	195		202			202	605
14:00	202	212	201	183		200			200	798
15:00	248	242	259	236		246			246	985
16:00	281	331	327	312		313			313	1251
17:00	315	255	286	288		286			286	1144
18:00	305	263	298	274		285			285	1140
19:00	238	230	268	249		246			246	985
20:00	155	140	169	176		160			160	640
21:00	107	108	115	120		112			112	450
22:00	69	79	85	80		78			78	313
23:00	55	55	46	60		54			54	216
24:00	49	33	39	36		39			39	157
TOTALS	2024	3366	3576	3543	997	3468			3468	13506
% AVG WKDY	58.4	97.1	103.1	102.2	28.7					
% AVG WEEK	58.4	97.1	103.1	102.2	28.7					
AM Times		09:00	09:00	09:00	08:00	09:00			09:00	
AM Peaks		265	265	316	224	267			267	
PM Times	17:00	16:00	16:00	16:00		16:00			16:00	
PM Peaks	315	331	327	312		313			313	

Mass Highway Department

WEEKLY SUMMARY FOR LANE 1
Starting: 5/1/2023

Page: 1

Station #: 230200000120
Site ID: 000000001801
Location: Route 37 NB, south of South St.
Direction: NORTH

STA. 18 NB

File: D0501031.prn
City: Braintree
County: speed

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		31	30	37	28	32			32	126
02:00		10	19	12	16	14			14	57
03:00		26	26	23	32	27			27	107
04:00		48	47	55	48	50			50	198
05:00		165	144	160	160	157			157	629
06:00		526	536	517	497	519			519	2076
07:00		763	763	755	671	738			738	2952
08:00		815	834	767	747	791			791	3163
09:00		738	786	732	683	735			735	2939
10:00		520	546	635	529	558			558	2230
11:00		430	509	486	438	466			466	1863
12:00		415	453	479		449			449	1347
13:00		501	471	494		489			489	1466
14:00		425	420	481		442			442	1326
15:00	448	465	471	497		470			470	1881
16:00	501	490	528	511		508			508	2030
17:00	493	493	527	528		510			510	2041
18:00	432	450	519	536		484			484	1937
19:00	401	385	388	390		391			391	1564
20:00	344	347	348	361		350			350	1400
21:00	230	209	232	266		234			234	937
22:00	126	176	188	200		172			172	690
23:00	100	141	110	96		112			112	447
24:00	61	36	56	59		53			53	212
TOTALS	3136	8605	8951	9077	3849	8751			8751	33618
% AVG WKDY	35.8	98.3	102.3	103.7	44.0					
% AVG WEEK	35.8	98.3	102.3	103.7	44.0					
AM Times		08:00	08:00	08:00	08:00	08:00		08:00		
AM Peaks		815	834	767	747	791		791		
PM Times	16:00	13:00	16:00	18:00		17:00		17:00		
PM Peaks	501	501	528	536		510		510		

Mass Highway Department

WEEKLY SUMMARY FOR ALL LANES
Starting: 5/1/2023

Page: 1

Station #: 230200000100
Site ID: 000000001802
Location: Route 37 SB, south of South St.
Direction: ROAD TOTAL

STA. 18 SB

File: D0501003.prn
City: Braintree
County: speed

TIME	MON 1	TUE 2	WED 3	THU 4	FRI 5	WKDAY AVG	SAT	SUN	WEEK AVG	TOTAL
01:00		84	79	83	92	84			84	338
02:00		40	38	51	37	42			42	166
03:00		24	23	23	30	25			25	100
04:00		16	22	16	17	18			18	71
05:00		28	29	23	36	29			29	116
06:00		75	58	69	61	66			66	263
07:00		153	177	204	184	180			180	718
08:00		333	319	330	283	316			316	1265
09:00		345	336	406	332	355			355	1419
10:00		323	326	353	332	334			334	1334
11:00		342	350	373	379	361			361	1444
12:00		387	406	399		397			397	1192
13:00		447	505	462		471			471	1414
14:00		465	520	479		488			488	1464
15:00	558	598	584	587		582			582	2327
16:00	699	730	720	687		709			709	2836
17:00	812	838	826	771		812			812	3247
18:00	826	781	883	717		802			802	3207
19:00	606	701	647	657		653			653	2611
20:00	497	485	515	520		504			504	2017
21:00	391	402	401	429		406			406	1623
22:00	248	252	293	315		277			277	1108
23:00	181	171	173	211		184			184	736
24:00	134	160	182	184		165			165	660
TOTALS	4952	8180	8412	8349	1783	8260			8260	31676
% AVG WKDY	60.0	99.0	101.8	101.1	21.6					
% AVG WEEK	60.0	99.0	101.8	101.1	21.6					
AM Times		12:00	12:00	09:00	11:00	12:00			12:00	
AM Peaks		387	406	406	379	397			397	
PM Times	18:00	17:00	18:00	17:00		17:00			17:00	
PM Peaks	826	838	883	771		812			812	

Part 3: Speed Data

Mass Highway Department

SPEED SUMMARY
 Mon 5/1/2023

Station #: 230200000077
 Site ID: 110000000401
 Location: Route 37 NB, north of Davis Rd.
 Direction: NORTH
 Lane: 1

STA 4 NB
LN. 1

File: D0501036.prn
 City: Braintree
 County: speed ln.1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
12:00	24	13	10	25	65	79	119	67	27	12	2	3	1	2	449
13:00	39	28	17	30	53	60	131	76	43	18	7	2	0	4	508
14:00	38	31	31	39	61	103	78	69	34	9	4	3	0	3	503
15:00	38	26	25	31	68	74	84	60	35	7	3	1	0	3	455
16:00	44	16	17	26	35	64	103	102	46	12	7	0	0	1	473
17:00	44	26	15	28	48	51	92	99	53	23	5	2	1	2	489
18:00	53	35	11	20	43	60	95	94	50	14	5	0	2	5	487
19:00	32	8	7	19	36	63	111	84	36	3	4	0	0	9	412
20:00	7	9	6	4	29	62	78	61	27	4	4	2	4	13	310
21:00	4	1	1	4	10	24	55	56	43	13	6	1	1	11	230
22:00	6	2	1	6	8	21	47	35	12	3	1	0	0	6	148
23:00	3	1	2	2	0	14	30	22	25	14	5	2	1	6	127
24:00	3	4	0	1	1	5	8	13	17	5	5	2	0	3	67
DAY TOTAL	335	200	143	235	457	680	1031	838	448	137	58	18	10	68	4658
PERCENTS	7.2%	4.3%	3.1%	5.0%	9.8%	14.6%	22.1%	18.0%	9.6%	2.9%	1.2%	0.4%	0.2%	1.5%	100.0%

Statistical Information...

15th Percentile Speed
 25.7 mph

85th Percentile Speed
 45.4 mph

Median Speed
 37.0 mph

Average Speed
 35.9 mph

10 MPH Pace Speed
 35 mph to 45 mph
 1869 vehicles in pace
 Representing 43.9% of the total vehicles

Vehicles > 65 MPH
 10
 0.2%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Station #: 230200000077
Site ID: 110000000401
Location: Route 37 NB, north of Davis Rd.
Direction: NORTH
Lane: 1

File: D0501036.prn
City: Braintree
County: speed ln.1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	2	4	6	8	5	4	1	0	0	0	30
02:00	0	0	0	1	1	2	1	8	11	4	2	1	0	0	31
03:00	0	1	0	1	0	0	0	2	6	1	4	0	0	2	17
04:00	5	0	0	0	0	2	0	3	4	6	9	3	0	1	33
05:00	7	1	0	2	1	4	4	18	31	16	11	6	0	0	101
06:00	19	16	4	3	9	13	13	25	54	52	48	31	7	13	307
07:00	41	22	13	17	28	42	66	67	91	64	53	20	5	29	558
08:00	49	31	23	43	55	68	98	142	103	31	13	11	1	34	702
09:00	46	28	31	27	33	96	105	150	75	27	15	7	0	26	666
10:00	37	26	12	19	38	68	90	90	62	17	12	4	3	16	494
11:00	27	10	6	23	36	67	112	95	49	5	2	1	0	5	438
12:00	34	16	15	29	51	82	95	78	37	10	4	2	1	4	458
13:00	31	16	35	37	73	81	101	88	26	5	1	0	1	19	514
14:00	20	18	24	28	58	75	119	83	44	6	3	1	1	10	490
15:00	22	17	13	23	26	41	103	104	52	19	8	2	0	31	461
16:00	20	21	14	27	51	93	138	100	31	9	3	1	2	16	526
17:00	26	17	13	19	35	64	128	92	54	11	8	2	0	15	484
18:00	17	13	13	23	49	69	122	101	39	10	5	2	2	17	482
19:00	9	9	2	7	31	55	116	100	40	9	5	2	1	13	399
20:00	7	7	0	10	25	56	81	69	27	3	3	2	1	15	306
21:00	4	3	2	4	7	30	55	52	30	5	0	1	1	16	210
22:00	1	1	1	4	7	35	42	39	22	8	1	0	0	7	168
23:00	2	2	0	1	4	23	28	20	21	8	4	0	0	4	117
24:00	1	0	0	0	3	6	12	15	17	6	2	3	0	4	69
DAY TOTAL	425	275	221	348	623	1076	1635	1549	931	336	217	102	26	297	8061
PERCENTS	5.3%	3.4%	2.7%	4.3%	7.7%	13.3%	20.3%	19.2%	11.5%	4.2%	2.7%	1.3%	0.3%	3.7%	100.0%

Statistical Information...

15th Percentile Speed
27.1 mph

85th Percentile Speed
47.8 mph

Median Speed
38.5 mph

Average Speed
37.7 mph

10 MPH Pace Speed
35 mph to 45 mph
3184 vehicles in pace
Representing 43.4% of the total vehicles

Vehicles > 65 MPH
26
0.4%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Page: 3

Station #: 23020000077
Site ID: 110000000401
Location: Route 37 NB, north of Davis Rd.
Direction: NORTH
Lane: 1

File: D0501036.prn
City: Braintree
County: speed ln.1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	2	5	10	10	5	4	0	0	0	36
02:00	0	0	0	0	1	4	2	9	9	4	2	0	0	0	31
03:00	0	0	0	0	0	0	1	4	6	2	2	0	0	0	15
04:00	0	0	0	0	0	2	2	10	10	10	7	5	0	3	49
05:00	4	3	0	0	0	0	11	16	12	20	18	8	0	8	100
06:00	18	10	4	0	6	19	17	35	43	51	39	29	5	4	280
07:00	37	21	4	9	18	23	44	81	114	81	40	26	6	21	525
08:00	45	35	15	32	40	73	95	196	122	41	17	6	2	33	752
09:00	49	33	30	32	70	96	144	112	67	25	7	6	4	14	689
10:00	26	17	18	26	56	74	100	77	55	17	6	1	0	15	488
11:00	18	11	9	27	40	66	120	86	29	10	1	0	3	8	428
12:00	29	33	25	41	59	91	124	64	18	7	3	2	2	14	512
13:00	26	14	13	24	56	85	119	77	27	6	2	1	1	12	463
14:00	27	23	20	16	61	72	112	96	47	4	3	0	0	5	486
15:00	44	25	25	40	53	61	98	95	33	5	2	1	0	4	486
16:00	31	23	6	20	35	75	100	79	39	19	10	1	0	13	451
17:00	30	20	12	10	46	90	115	102	36	16	7	1	1	19	505
18:00	24	24	20	31	42	65	121	112	57	9	8	0	1	14	528
19:00	10	14	2	12	47	77	116	80	51	19	7	7	2	16	460
20:00	3	7	1	8	20	58	88	60	30	12	6	2	2	16	313
21:00	0	4	1	4	13	35	62	63	19	5	4	2	0	6	218
22:00	1	5	1	3	10	29	32	37	13	8	3	0	0	4	146
23:00	3	0	2	0	7	14	31	25	20	11	3	1	0	4	121
24:00	1	1	0	0	3	9	21	16	16	8	2	0	1	4	82
DAY TOTAL	426	323	208	335	683	1120	1680	1542	883	395	203	99	30	237	8164
PERCENTS	5.2%	4.0%	2.5%	4.1%	8.4%	13.7%	20.6%	18.9%	10.8%	4.8%	2.5%	1.2%	0.4%	2.9%	100.0%

Statistical Information...

15th Percentile Speed
26.9 mph

85th Percentile Speed
47.8 mph

Median Speed
38.2 mph

Average Speed
37.5 mph

10 MPH Pace Speed
35 mph to 45 mph
3222 vehicles in pace
Representing 43.0% of the total vehicles

Vehicles > 65 MPH
30
0.4%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Station #: 230200000077
Site ID: 110000000401
Location: Route 37 NB, north of Davis Rd.
Direction: NORTH
Lane: 1

File: D0501036.prn
City: Braintree
County: speed ln.1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	1	2	5	5	13	5	1	1	0	1	34
02:00	1	1	0	0	0	1	2	6	4	3	1	0	0	1	20
03:00	1	0	0	0	0	1	1	5	3	3	3	1	0	0	18
04:00	2	0	0	1	0	1	2	5	10	5	5	4	1	2	38
05:00	7	5	0	0	1	4	9	19	26	11	16	3	0	1	102
06:00	13	13	2	3	12	23	32	45	41	40	30	15	2	14	285
07:00	36	29	14	22	30	39	45	86	96	66	36	18	2	16	535
08:00	56	33	27	39	56	56	91	166	112	32	9	2	4	38	721
09:00	30	35	21	39	53	98	111	154	66	20	6	3	1	28	665
10:00	27	14	13	21	42	70	93	86	58	17	7	1	0	13	462
11:00	28	16	21	26	32	57	112	101	45	10	4	0	4	15	471
12:00	26	13	14	24	63	83	129	82	34	6	2	3	0	8	487
13:00	13	23	18	46	78	90	112	61	34	8	7	1	2	12	505
14:00	18	22	29	23	49	79	110	104	43	3	2	0	0	20	502
15:00	23	16	23	44	63	89	104	105	23	10	8	0	1	22	531
16:00	19	22	21	16	25	57	114	91	53	20	5	1	0	29	473
17:00	21	19	16	29	45	82	119	102	50	15	3	3	0	19	523
18:00	30	25	11	19	35	71	119	105	56	15	6	1	1	14	508
19:00	10	11	13	36	53	66	121	72	39	6	2	1	0	12	442
20:00	8	3	1	15	51	59	81	78	29	6	3	0	1	17	352
21:00	9	3	2	2	18	44	71	54	23	10	2	1	0	7	246
22:00	3	1	0	2	15	35	57	40	15	5	5	0	0	4	182
23:00	1	2	1	2	5	15	21	23	24	8	5	1	2	6	116
24:00	1	0	0	1	2	10	21	20	15	11	2	2	1	2	88
DAY TOTAL	383	306	247	410	729	1132	1682	1615	912	335	170	62	22	301	8306
PERCENTS	4.6%	3.7%	3.0%	4.9%	8.8%	13.6%	20.3%	19.4%	11.0%	4.0%	2.0%	0.7%	0.3%	3.6%	100.0%

Statistical Information...

15th Percentile Speed
26.2 mph

85th Percentile Speed
47.0 mph

Median Speed
37.9 mph

Average Speed
37.0 mph

10 MPH Pace Speed
35 mph to 45 mph
3297 vehicles in pace
Representing 43.3% of the total vehicles

Vehicles > 65 MPH
22
0.3%

Mass Highway Department

SPEED SUMMARY
 Fri 5/5/2023

Station #: 230200000077
 Site ID: 110000000401
 Location: Route 37 NB, north of Davis Rd.
 Direction: NORTH
 Lane: 1

File: D0501036.prn
 City: Braintree
 County: speed ln.1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	2	0	0	1	2	8	5	14	2	1	2	0	1	38
02:00	0	0	0	1	0	1	0	7	5	3	2	0	0	0	19
03:00	1	0	0	1	0	0	0	1	9	3	2	1	0	0	18
04:00	2	3	0	0	1	0	3	9	8	10	2	1	0	2	41
05:00	3	8	0	0	1	5	12	12	23	9	10	3	2	2	90
06:00	15	19	2	6	4	8	21	43	53	39	39	14	1	11	275
07:00	27	24	7	13	23	25	55	86	77	35	39	22	2	17	452
08:00	47	23	18	20	31	47	81	126	105	29	20	8	4	28	587
09:00	18	12	6	29	40	64	90	114	50	19	10	7	4	18	481
10:00	20	9	7	35	37	71	101	95	34	8	6	0	4	22	449
DAY TOTAL	133	100	40	105	138	223	371	498	378	157	131	58	17	101	2450
PERCENTS	5.4%	4.1%	1.6%	4.3%	5.6%	9.1%	15.1%	20.3%	15.4%	6.4%	5.3%	2.4%	0.7%	4.1%	100.0%

Statistical Information...

15th Percentile Speed
 28.2 mph

85th Percentile Speed
 51.0 mph

Median Speed
 41.3 mph

Average Speed
 40.1 mph

10 MPH Pace Speed
 40 mph to 50 mph
 876 vehicles in pace
 Representing 39.5% of the total vehicles

Vehicles > 65 MPH
 17
 0.8%

Mass Highway Department

SPEED SUMMARY
 Mon 5/1/2023

Page: 1

Station #: 230200000034
 Site ID: 220000000401
 Location: Route 37 NB, north of Davis Rd.
 Direction: NORTH
 Lane: 1

STA. 4 NB
 LN. 2

File: D0501040.prn
 City: Braintree
 County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
12:00	31	19	25	45	57	54	53	21	5	2	1	0	0	0	313
13:00	73	17	32	47	53	47	43	30	22	2	1	1	0	0	368
14:00	79	30	41	46	64	42	36	16	10	2	2	0	0	0	368
15:00	70	31	36	45	55	60	53	35	8	1	2	0	0	0	396
16:00	68	18	15	21	47	52	81	35	15	2	0	0	0	0	354
17:00	53	28	24	33	49	51	62	54	10	6	0	0	0	0	370
18:00	66	23	21	33	45	40	65	50	8	1	0	0	0	0	352
19:00	26	14	16	40	54	75	69	27	8	1	0	0	0	0	330
20:00	16	3	6	20	42	64	48	17	4	0	0	1	0	0	221
21:00	18	2	1	4	33	30	34	28	6	0	0	0	0	0	156
22:00	8	1	4	8	27	35	28	3	2	1	0	0	0	0	117
23:00	8	0	3	3	13	22	24	12	2	0	1	0	0	0	88
24:00	3	0	0	0	1	11	14	18	3	0	0	0	0	0	50
DAY TOTAL	519	186	224	345	540	583	610	346	103	18	7	2	0	0	3483
PERCENTS	14.9%	5.3%	6.4%	9.9%	15.5%	16.7%	17.5%	9.9%	3.0%	0.5%	0.2%	0.1%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
 20.5 mph

85th Percentile Speed
 40.5 mph

Median Speed
 31.6 mph

Average Speed
 31.0 mph

10 MPH Pace Speed
 30 mph to 40 mph
 1193 vehicles in pace
 Representing 40.2% of the total vehicles

Vehicles > 65 MPH
 0
 0.0%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Page: 2

Station #: 230200000034
Site ID: 220000000401
Location: Route 37 NB, north of Davis Rd.
Direction: NORTH
Lane: 1

File: D0501040.prn
City: Braintree
County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	2	0	0	0	2	9	6	7	1	0	0	0	0	0	27
02:00	2	0	0	1	1	1	2	3	1	0	0	0	0	0	11
03:00	2	0	1	0	1	3	7	9	1	2	1	0	0	0	27
04:00	5	0	0	0	4	2	10	19	9	2	1	0	0	0	52
05:00	11	1	0	1	1	7	22	26	7	2	1	0	0	1	80
06:00	34	9	2	13	25	19	45	86	35	6	5	1	0	0	280
07:00	60	33	13	27	38	59	96	111	28	17	3	2	0	0	487
08:00	107	52	42	41	65	122	141	73	11	7	0	0	0	0	661
09:00	91	30	40	43	91	137	133	50	20	2	1	0	0	0	638
10:00	72	29	17	24	54	64	88	55	11	1	0	0	0	0	415
11:00	57	14	24	27	39	63	78	33	4	2	2	0	0	0	343
12:00	60	17	24	43	48	68	49	33	8	2	0	0	0	0	352
13:00	38	21	33	54	45	97	79	22	7	1	0	0	0	0	397
14:00	45	15	22	47	60	78	76	28	3	0	0	0	0	1	375
15:00	48	17	11	24	73	85	80	36	7	3	0	0	0	0	384
16:00	49	16	28	34	66	73	64	39	14	1	0	0	0	0	384
17:00	66	19	14	53	49	63	67	39	14	3	1	0	0	0	388
18:00	36	14	19	35	58	73	69	33	9	4	0	0	0	0	350
19:00	28	7	5	21	39	62	86	28	7	3	0	0	0	0	286
20:00	22	4	5	28	37	39	49	33	5	1	0	0	0	0	223
21:00	15	3	3	10	45	37	51	15	3	1	0	0	0	0	183
22:00	17	0	1	11	33	37	28	11	4	0	0	0	0	0	142
23:00	5	0	1	4	18	24	11	12	5	1	0	1	1	0	83
24:00	1	0	0	0	7	11	20	11	8	3	0	0	0	1	62
DAY TOTAL	873	301	305	541	899	1233	1357	812	222	64	15	4	1	3	6630
PERCENTS	13.2%	4.5%	4.6%	8.2%	13.6%	18.6%	20.5%	12.2%	3.3%	1.0%	0.2%	0.1%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
22.4 mph

85th Percentile Speed
41.6 mph

Median Speed
33.4 mph

Average Speed
32.4 mph

10 MPH Pace Speed
30 mph to 40 mph
2590 vehicles in pace
Representing 45.0% of the total vehicles

Vehicles > 65 MPH
1
0.0%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Page: 3

Station #: 230200000034
Site ID: 220000000401
Location: Route 37 NB, north of Davis Rd.
Direction: NORTH
Lane: 1

File: D0501040.prn
City: Braintree
County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	1	1	3	16	11	1	0	0	0	0	0	33
02:00	1	0	0	1	0	3	2	4	2	0	0	0	0	0	13
03:00	1	0	0	0	0	3	8	9	2	0	1	0	0	0	24
04:00	4	0	0	0	1	2	7	11	10	1	0	1	0	0	37
05:00	4	1	0	0	1	7	17	20	8	4	2	1	0	0	65
06:00	25	4	1	4	14	36	37	60	60	12	4	1	0	0	258
07:00	73	10	13	17	25	54	100	114	50	21	6	2	0	0	485
08:00	113	30	29	54	73	134	148	79	16	8	1	0	0	0	685
09:00	112	41	33	67	94	83	93	55	17	0	0	0	0	0	595
10:00	73	23	19	46	47	55	69	44	11	3	0	0	0	0	390
11:00	38	8	19	35	48	75	69	39	5	0	0	0	0	0	336
12:00	34	24	34	63	64	64	51	21	5	1	0	0	0	0	361
13:00	48	13	31	39	68	60	62	21	6	0	0	0	0	0	348
14:00	69	23	23	31	69	50	84	33	5	1	0	0	0	0	388
15:00	75	22	32	55	72	68	55	31	4	1	4	0	0	0	419
16:00	60	22	14	29	44	70	47	51	12	1	0	0	0	0	350
17:00	51	22	14	34	64	63	69	46	10	0	1	1	0	0	375
18:00	50	24	27	43	50	58	64	47	14	0	0	0	0	0	377
19:00	29	14	31	29	53	71	49	39	4	2	4	0	0	0	325
20:00	37	3	7	33	57	43	52	24	6	0	0	0	0	0	262
21:00	21	3	1	11	28	49	44	25	7	0	0	0	0	0	189
22:00	13	0	6	8	26	37	26	11	1	0	1	0	0	0	129
23:00	7	2	3	5	19	32	23	12	5	1	0	0	0	0	109
24:00	9	0	2	1	7	12	17	13	3	2	0	0	0	0	66
DAY TOTAL	947	289	339	606	925	1132	1209	820	264	58	24	6	0	0	6619
PERCENTS	14.3%	4.4%	5.1%	9.2%	14.0%	17.1%	18.3%	12.4%	4.0%	0.9%	0.4%	0.1%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
21.8 mph

85th Percentile Speed
42.0 mph

Median Speed
33.0 mph

Average Speed
32.3 mph

10 MPH Pace Speed
30 mph to 40 mph
2341 vehicles in pace
Representing 41.3% of the total vehicles

Vehicles > 65 MPH
0
0.0%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Page: 4

Station #: 230200000034
Site ID: 220000000401
Location: Route 37 NB, north of Davis Rd.
Direction: NORTH
Lane: 1

File: D0501040.prn
City: Braintree
County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	1	1	0	4	6	4	6	3	1	0	0	0	0	26
02:00	0	0	0	0	0	3	6	4	3	1	0	0	0	0	17
03:00	1	1	0	0	2	2	6	6	3	2	0	0	0	0	23
04:00	3	2	0	2	1	4	9	9	3	0	0	0	0	0	33
05:00	8	5	4	1	2	7	16	25	9	4	0	0	0	0	81
06:00	33	6	6	10	13	43	52	80	31	8	2	1	0	0	285
07:00	77	20	19	42	39	49	97	92	30	4	8	2	0	0	479
08:00	72	54	41	59	71	134	165	69	14	1	4	1	0	0	685
09:00	63	38	48	57	106	125	136	29	9	2	0	0	0	0	613
10:00	42	10	13	37	54	77	110	37	9	1	0	0	0	0	390
11:00	41	9	18	35	61	69	70	42	6	0	0	1	0	0	352
12:00	42	10	20	46	63	55	51	25	7	2	0	0	0	0	321
13:00	42	13	26	59	67	74	49	24	2	1	0	0	0	0	357
14:00	50	32	26	36	44	63	66	32	2	0	1	0	0	0	352
15:00	53	31	29	40	75	83	73	39	6	1	0	0	0	0	430
16:00	43	19	15	40	63	52	69	39	10	3	0	0	0	0	353
17:00	50	17	4	46	43	91	55	21	15	2	0	0	0	0	344
18:00	54	30	28	46	56	81	82	39	9	1	1	0	0	0	427
19:00	44	22	25	32	62	51	68	27	5	1	0	0	0	0	337
20:00	23	7	6	32	48	48	44	20	7	1	0	0	0	0	236
21:00	20	7	4	16	45	46	48	20	1	0	0	0	0	0	207
22:00	12	5	9	10	35	31	24	4	1	4	0	0	0	0	135
23:00	10	0	1	6	11	25	22	15	7	3	1	0	0	0	101
24:00	12	3	1	2	7	19	26	25	3	0	0	0	0	0	98
DAY TOTAL	795	342	344	654	972	1238	1348	729	195	43	17	5	0	0	6682
PERCENTS	11.9%	5.1%	5.1%	9.8%	14.5%	18.5%	20.2%	10.9%	2.9%	0.6%	0.3%	0.1%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
21.5 mph

85th Percentile Speed
40.7 mph

Median Speed
32.6 mph

Average Speed
31.7 mph

10 MPH Pace Speed
30 mph to 40 mph
2586 vehicles in pace
Representing 43.9% of the total vehicles

Vehicles > 65 MPH
0
0.0%

Mass Highway Department

SPEED SUMMARY
 Fri 5/5/2023

Page: 5

Station #: 230200000034
 Site ID: 220000000401
 Location: Route 37 NB, north of Davis Rd.
 Direction: NORTH
 Lane: 1

File: D0501040.prn
 City: Braintree
 County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	3	1	0	0	3	9	12	7	1	1	0	0	0	0	37
02:00	0	0	0	0	0	3	10	8	2	0	0	0	0	0	23
03:00	3	2	3	1	0	3	7	12	1	1	1	0	0	0	34
04:00	3	0	1	1	3	3	5	15	4	4	0	0	0	0	39
05:00	9	1	0	0	3	7	22	23	16	1	1	0	0	0	83
06:00	34	18	2	3	14	18	28	68	33	6	3	0	0	1	228
07:00	70	12	7	18	41	64	76	79	46	8	2	3	0	0	426
08:00	70	23	21	21	54	88	113	91	25	2	2	1	0	0	511
09:00	69	11	8	41	65	93	90	52	12	2	0	0	0	0	443
10:00	33	13	29	40	51	82	72	36	1	0	0	0	0	0	357
DAY TOTAL	294	81	71	125	234	370	435	391	141	25	9	4	0	1	2181
PERCENTS	13.5%	3.7%	3.3%	5.7%	10.7%	17.0%	19.9%	17.9%	6.5%	1.1%	0.4%	0.2%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
 25.1 mph

85th Percentile Speed
 43.7 mph

Median Speed
 35.7 mph

Average Speed
 34.6 mph

10 MPH Pace Speed
 35 mph to 45 mph
 826 vehicles in pace
 Representing 43.8% of the total vehicles

Vehicles > 65 MPH
 0
 0.0%

Mass Highway Department

SPEED SUMMARY
Mon 5/1/2023

Page: 1

STA. 4 SB

Station #: 230200000057
Site ID: 110000000402
Location: Route 37 SB, north of Davis Rd.
Direction: ROAD TOTAL
Lane:

File: D0501038.prn
City: Braintree
County: speed ln.1

LN. 1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
12:00	49	12	0	4	24	67	119	86	29	5	4	0	4	40	443
13:00	86	16	0	6	21	93	112	100	39	7	1	2	3	41	527
14:00	86	14	1	2	21	82	119	88	37	7	3	2	2	51	515
15:00	81	21	1	3	29	96	124	80	40	4	5	2	2	65	553
16:00	93	28	0	1	40	132	200	95	23	6	2	1	4	70	695
17:00	217	98	34	32	29	90	119	59	25	8	2	1	5	43	762
18:00	100	20	6	9	103	145	125	77	16	2	4	3	5	57	672
19:00	59	15	1	1	24	85	143	84	31	8	1	4	3	117	576
20:00	32	18	1	3	14	66	108	94	15	9	2	2	4	91	459
21:00	16	11	1	0	27	38	78	81	17	1	0	2	2	65	339
22:00	9	9	0	1	9	51	56	42	12	2	0	1	2	54	248
23:00	8	5	3	0	4	18	35	53	8	3	1	2	1	18	159
24:00	4	1	0	0	1	8	27	36	18	3	0	2	0	21	121
DAY TOTAL	840	268	48	62	346	971	1365	975	310	65	25	24	37	733	6069
PERCENTS	13.8%	4.4%	0.8%	1.0%	5.7%	16.0%	22.5%	16.1%	5.1%	1.1%	0.4%	0.4%	0.6%	12.1%	100.0%

Statistical Information...

15th Percentile Speed
29.3 mph

85th Percentile Speed
43.9 mph

Median Speed
37.0 mph

Average Speed
36.2 mph

10 MPH Pace Speed
35 mph to 45 mph
2340 vehicles in pace
Representing 52.0% of the total vehicles

Vehicles > 65 MPH
37
0.8%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Page: 2

Station #: 230200000057
Site ID: 110000000402
Location: Route 37 SB, north of Davis Rd.
Direction: ROAD TOTAL
Lane:

File: D0501038.prn
City: Braintree
County: speed ln.1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	2	1	0	1	2	9	19	15	9	3	0	0	0	7	68
02:00	2	0	0	0	3	0	8	15	8	4	1	2	0	4	47
03:00	4	0	0	0	2	2	11	11	10	4	0	0	0	2	46
04:00	5	1	0	0	0	2	6	8	11	5	2	1	0	2	43
05:00	8	2	0	0	1	5	12	21	15	7	4	2	1	2	80
06:00	16	5	1	0	0	2	11	47	50	12	11	4	0	6	165
07:00	26	13	2	0	3	14	45	122	32	15	8	3	0	18	301
08:00	31	18	0	0	3	30	72	113	38	9	8	2	1	31	356
09:00	48	29	1	6	15	48	100	99	45	10	3	8	1	66	479
10:00	75	20	1	3	16	60	118	77	17	3	6	3	4	53	456
11:00	70	27	0	1	12	39	99	69	34	3	3	2	0	38	397
12:00	80	20	18	16	24	66	104	90	16	8	0	1	1	79	523
13:00	43	8	1	1	21	108	147	70	15	2	2	3	3	90	514
14:00	40	4	0	2	35	149	166	72	18	2	5	1	6	84	584
15:00	51	19	3	3	35	112	154	89	27	5	4	7	0	83	592
16:00	69	20	0	4	39	141	155	108	34	8	8	11	1	80	678
17:00	68	15	2	3	30	131	204	117	21	2	7	0	3	72	675
18:00	63	21	0	6	57	138	203	117	26	0	3	0	5	92	731
19:00	58	17	0	1	22	86	171	130	40	7	5	1	1	91	630
20:00	38	8	1	0	18	56	124	115	31	5	5	0	2	59	462
21:00	22	2	0	4	20	51	84	71	22	7	0	1	3	29	316
22:00	8	2	0	2	16	52	78	48	10	5	1	1	0	35	258
23:00	5	3	0	1	5	25	37	46	17	5	3	2	0	29	178
24:00	7	5	0	0	1	6	21	37	16	4	4	0	0	3	104
DAY TOTAL	839	260	30	54	380	1332	2149	1707	562	135	93	55	32	1055	8683
PERCENTS	9.7%	3.0%	0.3%	0.6%	4.4%	15.3%	24.7%	19.7%	6.5%	1.6%	1.1%	0.6%	0.4%	12.2%	100.0%

Statistical Information...

15th Percentile Speed
31.1 mph

85th Percentile Speed
44.6 mph

Median Speed
38.1 mph

Average Speed
37.8 mph

10 MPH Pace Speed
35 mph to 45 mph
3856 vehicles in pace
Representing 56.8% of the total vehicles

Vehicles > 65 MPH
32
0.5%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Page: 3

Station #: 230200000057
Site ID: 110000000402
Location: Route 37 SB, north of Davis Rd.
Direction: ROAD TOTAL
Lane:

File: D0501038.prn
City: Braintree
County: speed ln.1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	4	3	0	1	2	4	23	32	12	1	2	2	0	5	91
02:00	5	1	0	0	0	4	3	15	5	0	0	0	1	1	35
03:00	5	1	0	0	0	5	11	10	2	3	1	0	0	0	38
04:00	0	1	1	0	0	1	9	14	7	2	3	0	0	2	40
05:00	8	3	0	1	3	5	6	18	15	6	5	1	0	3	74
06:00	8	4	1	0	1	4	16	53	54	14	7	0	1	4	167
07:00	33	12	2	0	3	14	48	94	64	18	13	5	2	12	320
08:00	38	16	1	2	5	15	64	110	62	17	3	2	0	39	374
09:00	77	18	2	0	6	36	90	123	41	13	5	1	0	65	477
10:00	60	13	1	0	9	41	91	115	30	9	5	3	2	57	436
11:00	53	13	1	1	15	47	112	105	34	4	2	1	5	57	450
12:00	60	23	1	2	13	75	131	84	27	3	0	1	1	83	504
13:00	60	19	0	4	37	95	120	73	29	6	1	11	2	63	520
14:00	71	20	0	2	15	86	110	102	31	9	2	0	0	70	518
15:00	88	22	1	4	31	101	170	78	23	6	2	6	1	67	600
16:00	93	11	1	4	24	168	185	106	21	6	4	11	5	104	743
17:00	115	48	35	46	114	125	99	45	17	5	3	1	0	73	726
18:00	78	28	0	0	35	133	174	100	25	3	5	5	2	107	695
19:00	71	26	0	3	19	103	179	119	36	1	2	2	3	97	661
20:00	42	9	0	4	24	75	124	74	29	3	2	1	7	75	469
21:00	17	8	1	2	21	64	89	91	20	4	3	1	0	37	358
22:00	19	1	1	0	23	54	70	36	7	2	0	2	3	31	249
23:00	5	3	0	1	2	27	24	41	17	2	1	0	0	25	148
24:00	12	4	0	0	1	20	30	30	13	9	4	2	0	19	144
DAY TOTAL	1022	307	49	77	403	1302	1978	1668	621	146	75	58	35	1096	8837
PERCENTS	11.6%	3.5%	0.6%	0.9%	4.6%	14.7%	22.4%	18.9%	7.0%	1.7%	0.8%	0.7%	0.4%	12.4%	100.0%

Statistical Information...

15th Percentile Speed
30.7 mph

85th Percentile Speed
44.8 mph

Median Speed
38.1 mph

Average Speed
37.6 mph

10 MPH Pace Speed
35 mph to 45 mph
3646 vehicles in pace
Representing 54.3% of the total vehicles

Vehicles > 65 MPH
35
0.5%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Page: 4

Station #: 230200000057
Site ID: 110000000402
Location: Route 37 SB, north of Davis Rd.
Direction: ROAD TOTAL
Lane:

File: D0501038.prn
City: Braintree
County: speed ln.1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	2	2	2	0	4	10	17	17	10	1	0	0	0	13	78
02:00	2	1	0	0	1	5	10	6	4	1	0	0	0	0	30
03:00	1	5	0	0	0	4	5	13	5	1	2	0	0	0	36
04:00	5	1	0	0	0	2	10	14	7	0	1	0	0	1	41
05:00	8	2	0	0	3	5	13	18	12	6	1	3	0	4	75
06:00	15	8	0	0	3	8	24	56	30	10	5	2	0	5	166
07:00	17	16	2	0	2	8	60	110	51	18	11	4	1	27	327
08:00	48	20	1	0	3	22	101	113	53	7	6	6	0	40	420
09:00	49	17	3	0	10	62	120	96	45	6	2	10	0	45	465
10:00	43	16	1	3	20	51	110	88	32	6	1	3	0	40	414
11:00	32	8	0	1	14	54	124	86	27	11	1	4	2	42	406
12:00	43	9	1	3	16	62	166	95	32	3	1	1	2	49	483
13:00	43	21	0	1	18	86	134	114	37	3	8	0	2	67	534
14:00	47	14	0	3	22	82	171	99	27	5	0	2	1	61	534
15:00	66	24	1	5	36	103	166	98	36	4	3	2	3	64	611
16:00	68	16	5	8	46	120	166	114	33	7	3	0	5	97	688
17:00	272	96	39	23	55	68	70	39	12	1	0	1	2	28	706
18:00	84	19	0	5	37	132	224	81	25	5	7	2	3	94	718
19:00	39	28	1	10	16	94	151	85	21	2	1	3	0	62	513
20:00	38	20	0	3	18	57	112	92	25	7	2	1	0	70	445
21:00	21	10	0	3	17	61	128	57	16	4	0	1	5	52	375
22:00	14	16	0	0	15	51	97	60	13	4	0	1	0	39	310
23:00	9	12	0	1	11	25	56	55	13	3	1	0	0	15	201
24:00	7	3	1	0	0	12	37	54	18	1	0	1	1	19	154
DAY TOTAL	973	384	57	69	367	1184	2272	1660	584	116	56	47	27	934	8730
PERCENTS	11.1%	4.4%	0.7%	0.8%	4.2%	13.6%	26.0%	19.0%	6.7%	1.3%	0.6%	0.5%	0.3%	10.7%	100.0%

Statistical Information...

15th Percentile Speed
30.6 mph

85th Percentile Speed
44.4 mph

Median Speed
38.0 mph

Average Speed
37.2 mph

10 MPH Pace Speed
35 mph to 45 mph
3932 vehicles in pace
Representing 57.6% of the total vehicles

Vehicles > 65 MPH
27
0.4%

Mass Highway Department

SPEED SUMMARY
 Fri 5/5/2023

Page: 5

Station #: 230200000057
 Site ID: 110000000402
 Location: Route 37 SB, north of Davis Rd.
 Direction: ROAD TOTAL
 Lane:

File: D050i038.prn
 City: Braintree
 County: speed ln.1

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	3	3	0	0	1	9	31	23	13	0	2	0	2	6	93
02:00	3	2	0	0	3	7	6	8	6	3	1	0	0	10	49
03:00	1	3	1	0	0	3	12	12	5	3	0	0	0	1	41
04:00	4	3	1	0	1	2	7	8	5	4	1	1	0	4	41
05:00	4	4	0	0	0	3	16	21	9	7	0	0	0	3	67
06:00	21	5	3	1	0	2	15	45	36	14	3	1	0	11	157
07:00	48	11	2	0	2	8	40	95	49	13	4	2	1	21	296
08:00	55	24	2	0	3	22	76	107	41	8	8	4	2	36	388
09:00	54	16	1	1	12	66	132	108	29	5	4	0	1	45	474
DAY TOTAL	193	71	10	2	22	122	335	427	193	57	23	8	6	137	1606
PERCENTS	12.0%	4.4%	0.6%	0.1%	1.4%	7.6%	20.9%	26.6%	12.0%	3.5%	1.4%	0.5%	0.4%	8.5%	100.0%

Statistical Information...

15th Percentile Speed
 33.6 mph

85th Percentile Speed
 47.5 mph

Median Speed
 40.9 mph

Average Speed
 39.8 mph

10 MPH Pace Speed
 35 mph to 45 mph
 762 vehicles in pace
 Representing 59.7% of the total vehicles

Vehicles > 65 MPH
 6
 0.5%

Mass Highway Department

SPEED SUMMARY
 Mon 5/1/2023

Page: 1

Station #: 230200000146
 Site ID: 220000000402
 Location: Route 37 SB, north of Davis Rd.
 Direction: SOUTH
 Lane: 1

STA. 4SB
 LN. 2

File: D0501042.prn
 City: Braintree
 County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
12:00	14	0	0	0	10	43	78	62	50	11	3	0	0	0	271
13:00	30	3	1	0	5	51	100	124	78	15	6	1	0	0	414
14:00	20	6	0	0	20	46	111	110	46	29	4	0	0	0	392
15:00	20	2	1	1	9	78	111	115	44	17	4	3	1	0	406
16:00	49	7	1	0	8	76	184	176	67	13	2	4	1	1	589
17:00	139	77	34	43	70	101	114	130	38	8	5	0	1	0	760
18:00	36	6	1	4	30	109	178	128	62	3	0	0	0	0	557
19:00	26	0	0	0	22	50	108	118	47	6	6	1	0	1	385
20:00	5	1	1	0	9	44	71	63	37	14	5	0	0	0	250
21:00	8	0	0	0	12	39	58	59	26	6	0	1	0	2	211
22:00	0	1	1	1	6	21	37	35	11	4	1	1	0	0	119
23:00	2	0	0	1	1	10	17	23	11	3	2	1	0	0	71
24:00	1	1	0	0	0	2	8	19	10	8	0	0	0	0	49
DAY TOTAL	350	104	40	50	202	670	1175	1162	527	137	38	12	3	4	4474
PERCENTS	7.8%	2.3%	0.9%	1.1%	4.5%	15.0%	26.3%	26.0%	11.8%	3.1%	0.8%	0.3%	0.1%	0.1%	100.0%

Statistical Information...

15th Percentile Speed
 31.7 mph

85th Percentile Speed
 45.9 mph

Median Speed
 39.2 mph

Average Speed
 38.7 mph

10 MPH Pace Speed
 35 mph to 45 mph
 2337 vehicles in pace
 Representing 56.7% of the total vehicles

Vehicles > 65 MPH
 3
 0.1%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Page: 2

Station #: 230200000146
Site ID: 220000000402
Location: Route 37 SB, north of Davis Rd.
Direction: SOUTH
Lane: 1

File: D0501042.prn
City: Braintree
County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	1	0	0	0	0	3	8	5	8	2	0	0	0	1	28
02:00	0	0	0	0	1	1	1	3	7	2	2	0	0	0	17
03:00	1	0	0	0	1	1	4	6	5	2	0	0	0	0	20
04:00	0	0	0	0	0	1	0	4	1	0	0	1	0	0	7
05:00	0	0	0	0	0	0	3	3	7	3	1	0	0	0	17
06:00	3	0	1	0	1	2	4	15	29	9	12	3	0	0	79
07:00	7	0	0	0	0	3	14	56	49	22	8	3	1	3	166
08:00	7	0	0	0	5	3	31	83	54	11	10	4	1	2	211
09:00	15	5	0	0	4	31	43	113	84	21	3	0	0	1	320
10:00	16	2	0	0	1	12	48	96	47	18	16	1	0	2	259
11:00	14	2	0	0	6	23	65	78	44	10	2	0	1	0	245
12:00	24	4	0	3	15	28	64	79	39	8	4	3	1	0	272
13:00	14	1	0	0	17	58	124	98	41	9	3	1	0	0	366
14:00	6	1	0	5	22	80	128	100	35	6	2	0	0	2	387
15:00	17	2	0	0	19	101	144	126	42	12	2	1	0	0	466
16:00	32	1	0	7	26	82	175	186	62	9	3	3	0	0	586
17:00	32	4	0	1	12	82	182	186	59	7	1	1	0	0	567
18:00	19	4	0	3	19	75	214	175	50	8	1	2	0	2	572
19:00	6	4	0	0	12	66	138	143	70	13	4	2	0	1	459
20:00	6	2	1	0	11	41	74	80	42	11	7	0	0	1	276
21:00	3	3	0	1	12	42	56	58	25	3	1	0	0	0	204
22:00	3	0	0	0	6	27	60	39	14	1	1	0	0	5	156
23:00	1	0	0	0	4	21	16	26	15	5	0	1	0	0	89
24:00	2	0	0	0	1	4	14	19	13	5	1	1	0	1	61
DAY TOTAL	229	35	2	20	195	787	1610	1777	842	197	84	27	4	21	5830
PERCENTS	3.9%	0.6%	0.0%	0.3%	3.3%	13.5%	27.6%	30.5%	14.4%	3.4%	1.4%	0.5%	0.1%	0.4%	100.0%

Statistical Information...

15th Percentile Speed
33.7 mph

85th Percentile Speed
46.9 mph

Median Speed
40.4 mph

Average Speed
40.3 mph

10 MPH Pace Speed
35 mph to 45 mph
3387 vehicles in pace
Representing 60.7% of the total vehicles

Vehicles > 65 MPH
4
0.1%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Station #: 230200000146
Site ID: 220000000402
Location: Route 37 SB, north of Davis Rd.
Direction: SOUTH
Lane: 1

File: D0501042.prn
City: Braintree
County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	2	7	10	2	1	2	0	0	0	24
02:00	0	0	0	0	0	0	0	4	4	1	1	0	0	0	10
03:00	0	0	0	0	0	2	4	2	1	1	0	0	0	0	10
04:00	0	0	0	1	0	0	4	0	1	0	1	1	0	0	8
05:00	0	0	0	0	1	1	2	1	4	2	1	0	0	0	12
06:00	2	0	0	0	1	1	5	16	28	10	5	2	0	1	71
07:00	8	1	1	0	0	3	10	40	54	31	20	4	1	1	174
08:00	7	2	1	0	2	6	21	83	72	25	10	1	0	0	230
09:00	16	11	1	0	6	22	51	108	68	22	5	1	0	1	312
10:00	18	2	0	0	5	27	50	76	57	12	10	2	0	1	260
11:00	16	1	2	0	5	29	50	73	46	11	8	2	0	1	244
12:00	12	2	1	1	7	42	77	95	61	7	1	0	0	2	308
13:00	18	1	0	0	14	63	100	91	44	13	3	1	0	0	348
14:00	20	7	0	0	7	48	91	90	59	14	0	2	0	1	339
15:00	28	2	2	3	7	75	131	142	65	14	6	2	0	2	479
16:00	53	5	0	2	18	79	209	166	59	14	7	0	0	1	613
17:00	82	30	34	24	78	119	133	95	32	5	3	2	0	2	639
18:00	29	1	0	1	20	98	170	201	62	16	4	1	0	2	605
19:00	19	5	1	1	15	83	135	142	62	10	3	0	1	2	479
20:00	7	1	1	0	15	55	108	83	25	13	2	0	1	0	311
21:00	2	4	0	2	13	56	49	58	36	5	1	0	0	2	228
22:00	0	0	0	1	10	38	40	30	9	2	1	0	0	0	131
23:00	0	0	0	4	3	14	19	27	22	7	1	1	0	0	98
24:00	0	0	0	0	1	5	12	23	8	1	0	1	0	0	51
DAY TOTAL	337	75	44	40	228	868	1478	1656	881	237	95	23	3	19	5984
PERCENTS	5.6%	1.3%	0.7%	0.7%	3.8%	14.5%	24.7%	27.7%	14.7%	4.0%	1.6%	0.4%	0.1%	0.3%	100.0%

Statistical Information...

15th Percentile Speed
32.6 mph

85th Percentile Speed
47.3 mph

Median Speed
40.3 mph

Average Speed
39.9 mph

10 MPH Pace Speed
35 mph to 45 mph
3134 vehicles in pace
Representing 55.7% of the total vehicles

Vehicles > 65 MPH
3
0.1%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Page: 4

Station #: 230200000146
Site ID: 220000000402
Location: Route 37 SB, north of Davis Rd.
Direction: SOUTH
Lane: 1

File: D0501042.prn
City: Braintree
County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	3	8	10	5	1	1	0	0	0	28
02:00	0	0	0	0	0	0	2	0	3	1	0	0	0	0	6
03:00	0	0	0	0	0	1	5	2	2	2	0	1	0	0	13
04:00	0	0	0	0	0	0	1	2	2	0	0	0	0	0	5
05:00	0	0	0	0	0	3	3	7	6	3	0	1	0	0	23
06:00	5	0	0	0	2	1	11	21	21	9	5	0	0	0	75
07:00	8	4	0	0	0	2	6	44	68	13	7	4	0	1	157
08:00	9	2	0	0	0	2	40	77	64	19	14	1	0	2	230
09:00	15	0	0	0	10	30	66	116	76	13	7	3	1	1	338
10:00	9	2	0	1	3	15	55	112	48	15	3	0	0	3	266
11:00	3	1	0	1	2	28	68	82	36	14	5	0	1	0	241
12:00	6	0	0	2	8	28	86	90	44	6	1	1	0	0	272
13:00	6	3	0	0	10	55	103	78	48	7	6	0	1	0	317
14:00	8	1	5	0	7	63	102	103	59	14	1	0	0	1	364
15:00	17	3	0	1	9	65	136	156	40	17	6	2	0	2	454
16:00	25	2	1	0	26	85	203	186	69	11	5	1	0	3	617
17:00	235	116	66	35	51	49	76	54	15	6	2	0	0	0	705
18:00	26	5	0	0	18	75	211	152	58	15	3	1	0	1	565
19:00	15	2	1	0	14	94	184	136	36	6	1	1	0	0	490
20:00	11	0	0	1	8	55	60	78	35	15	5	0	0	1	269
21:00	3	1	0	1	12	64	69	54	31	8	0	0	0	0	243
22:00	0	0	1	0	7	35	51	49	16	6	3	1	0	4	173
23:00	3	0	1	1	3	8	24	44	14	6	0	0	0	0	104
24:00	0	0	0	1	1	3	11	15	16	3	1	0	0	0	51
DAY TOTAL	404	142	75	44	191	764	1581	1668	812	210	76	17	3	19	6006
PERCENTS	6.7%	2.4%	1.2%	0.7%	3.2%	12.7%	26.3%	27.8%	13.5%	3.5%	1.3%	0.3%	0.0%	0.3%	100.0%

Statistical Information...

15th Percentile Speed
32.5 mph

85th Percentile Speed
46.7 mph

Median Speed
40.0 mph

Average Speed
39.3 mph

10 MPH Pace Speed
35 mph to 45 mph
3249 vehicles in pace
Representing 58.2% of the total vehicles

Vehicles > 65 MPH
3
0.1%

Mass Highway Department

SPEED SUMMARY
Fri 5/5/2023

Page: 5

Station #: 230200000146
Site ID: 220000000402
Location: Route 37 SB, north of Davis Rd.
Direction: SOUTH
Lane: 1

File: D0501042.prn
City: Braintree
County: speed ln.2

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	5	7	10	10	1	1	0	0	0	34
02:00	2	0	0	0	1	0	0	7	2	1	0	0	0	0	13
03:00	0	0	0	0	0	0	1	5	2	1	0	0	0	0	9
04:00	0	0	0	0	0	0	1	0	4	0	0	0	0	0	5
05:00	0	0	0	0	0	2	3	3	5	0	1	0	0	0	14
06:00	4	2	0	0	0	3	8	13	15	12	9	0	0	0	66
07:00	3	0	0	0	1	5	9	47	36	23	7	5	0	2	138
08:00	9	1	0	0	1	4	24	83	62	14	9	2	0	0	209
09:00	13	2	0	0	1	16	58	130	70	14	4	2	0	1	311
10:00	10	1	2	0	4	24	59	73	42	9	2	1	0	0	227
DAY TOTAL	41	6	2	0	8	59	170	371	248	75	33	10	0	3	1026
PERCENTS	4.0%	0.6%	0.2%	0.0%	0.8%	5.8%	16.6%	36.2%	24.2%	7.3%	3.2%	1.0%	0.0%	0.3%	100.0%

Statistical Information...

15th Percentile Speed
37.1 mph

85th Percentile Speed
49.4 mph

Median Speed
43.3 mph

Average Speed
43.4 mph

10 MPH Pace Speed
40 mph to 50 mph
619 vehicles in pace
Representing 63.0% of the total vehicles

Vehicles > 65 MPH
0
0.0%

Mass Highway Department

SPEED SUMMARY
 Mon 5/1/2023

Page: 1

STA 8NB

Station #: 230200000056
 Site ID: 00000000801
 Location: Route 37 NB, north of JW Leroy Jr. Way
 Direction: NORTH
 Lane: 1

File: D0501016.prn
 City: Braintree
 County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
13:00	73	5	0	0	29	163	178	52	1	0	0	0	0	1	502
14:00	57	9	3	6	47	165	170	35	3	0	0	0	1	9	505
15:00	35	2	4	24	100	193	121	19	3	1	5	3	2	5	517
16:00	68	3	3	17	69	202	179	28	2	0	2	0	0	5	578
17:00	93	18	35	40	61	183	97	26	2	0	0	2	6	2	565
18:00	77	15	1	0	57	195	153	20	0	2	1	3	0	11	535
19:00	27	5	0	4	43	143	156	37	1	1	2	1	7	43	470
20:00	24	2	2	2	25	93	115	30	0	2	0	6	6	39	346
21:00	19	2	0	0	12	71	83	23	10	0	2	1	1	34	258
22:00	6	3	0	1	2	39	42	19	1	0	1	0	4	13	131
23:00	0	1	0	0	8	10	37	14	2	0	0	0	2	17	91
24:00	0	3	0	0	2	9	18	15	1	0	0	0	0	4	52
DAY TOTAL	479	68	48	94	455	1466	1349	318	26	6	13	16	29	183	4550
PERCENTS	10.5%	1.5%	1.1%	2.1%	10.0%	32.2%	29.6%	7.0%	0.6%	0.1%	0.3%	0.4%	0.6%	4.0%	100.0%

Statistical Information...

15th Percentile Speed
 29.1 mph

85th Percentile Speed
 39.4 mph

Median Speed
 34.4 mph

Average Speed
 34.3 mph

10 MPH Pace Speed
 30 mph to 40 mph
 2815 vehicles in pace
 Representing 72.4% of the total vehicles

Vehicles > 65 MPH
 29
 0.7%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Station #: 230200000056
Site ID: 000000000801
Location: Route 37 NB, north of JW Leroy Jr. Way
Direction: NORTH
Lane: 1

File: D0501016.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	4	4	6	0	0	0	0	0	3	17
02:00	1	0	0	1	2	3	3	2	1	0	0	0	0	0	13
03:00	1	0	0	0	0	1	3	4	1	0	0	0	0	6	16
04:00	0	0	0	0	0	3	12	5	4	3	0	0	0	1	28
05:00	3	0	0	0	0	7	16	42	10	0	0	0	0	5	83
06:00	24	1	0	0	0	19	104	130	25	2	1	0	8	28	342
07:00	41	5	0	1	13	71	275	120	13	0	0	0	8	51	598
08:00	49	9	15	34	162	260	211	25	3	5	1	11	14	54	853
09:00	70	6	1	9	99	285	286	47	3	3	5	6	22	44	886
10:00	67	5	0	4	22	168	241	33	6	0	3	3	3	30	585
11:00	69	2	0	5	36	179	121	35	1	0	2	4	6	34	494
12:00	59	10	1	7	61	149	144	43	2	1	0	2	5	19	503
13:00	36	3	3	16	64	178	188	29	2	1	0	4	11	45	580
14:00	32	6	6	16	85	158	142	27	5	1	4	4	10	41	537
15:00	30	6	9	23	95	212	98	30	0	0	1	6	7	42	559
16:00	46	4	6	20	76	188	174	25	3	0	2	7	9	46	606
17:00	58	5	0	7	47	196	151	28	0	0	2	7	4	57	562
18:00	28	4	0	3	50	149	198	40	2	4	1	5	12	63	559
19:00	21	5	1	2	45	127	135	31	2	0	3	6	17	39	434
20:00	22	4	2	3	27	95	133	25	4	1	0	3	7	33	359
21:00	8	1	1	1	9	63	106	22	1	0	0	0	9	31	252
22:00	4	0	0	0	5	36	51	24	2	0	0	0	4	24	150
23:00	5	1	1	0	1	9	25	20	5	1	2	0	2	4	76
24:00	0	0	0	1	2	11	23	11	3	0	0	0	0	0	51
DAY TOTAL	674	77	46	153	901	2571	2844	804	98	22	27	68	158	700	9143
PERCENTS	7.4%	0.8%	0.5%	1.7%	9.9%	28.1%	31.1%	8.8%	1.1%	0.2%	0.3%	0.7%	1.7%	7.7%	100.0%

Statistical Information...

15th Percentile Speed
29.9 mph

85th Percentile Speed
40.1 mph

Median Speed
35.2 mph

Average Speed
35.6 mph

10 MPH Pace Speed
30 mph to 40 mph
5415 vehicles in pace
Representing 69.7% of the total vehicles

Vehicles > 65 MPH
158
2.0%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Page: 3

Station #: 230200000056
Site ID: 00000000801
Location: Route 37 NB, north of JW Leroy Jr. Way
Direction: NORTH
Lane: 1

File: D0501016.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	1	2	7	5	0	0	0	0	0	2	17
02:00	1	0	0	0	0	2	1	6	1	0	0	0	0	2	13
03:00	1	0	0	0	1	1	5	3	1	2	1	0	0	0	15
04:00	0	0	0	0	0	7	10	19	4	2	0	1	0	0	43
05:00	0	0	0	0	1	6	22	29	8	1	0	1	0	9	77
06:00	13	1	0	0	5	25	90	123	33	2	1	0	4	20	317
07:00	32	0	1	0	12	105	245	152	12	7	2	0	3	42	613
08:00	57	2	11	18	119	276	264	35	3	0	3	6	14	46	854
09:00	100	7	6	19	109	320	225	33	7	0	3	8	8	51	896
10:00	79	6	2	4	21	153	209	49	3	1	1	1	4	54	587
11:00	64	4	0	3	39	134	185	41	3	0	1	5	7	30	516
12:00	26	2	4	22	57	185	186	41	4	0	0	5	4	35	571
13:00	36	5	0	6	49	168	148	22	4	2	0	0	4	33	477
14:00	69	8	2	9	65	170	155	43	0	2	4	3	3	30	563
15:00	49	7	3	11	93	246	108	31	2	2	0	6	5	19	582
16:00	64	12	9	24	94	207	146	21	2	2	3	2	7	37	630
17:00	97	47	19	6	56	175	126	17	0	0	0	5	5	46	599
18:00	52	5	3	12	73	219	158	30	4	2	2	8	5	50	623
19:00	45	1	1	11	46	132	194	36	1	0	0	3	5	36	511
20:00	22	0	1	7	51	146	105	25	3	2	0	6	6	61	435
21:00	11	6	1	0	16	66	104	17	3	0	0	4	2	20	250
22:00	5	1	0	1	6	21	57	32	6	0	1	1	2	6	139
23:00	2	6	0	1	6	19	30	10	2	2	0	2	0	7	87
24:00	2	1	0	0	1	9	25	19	1	1	0	0	0	4	63
DAY TOTAL	827	121	63	154	921	2794	2805	839	107	30	22	67	88	640	9478
PERCENTS	8.7%	1.3%	0.7%	1.6%	9.7%	29.5%	29.6%	8.9%	1.1%	0.3%	0.2%	0.7%	0.9%	6.8%	100.0%

Statistical Information...

15th Percentile Speed
29.7 mph

85th Percentile Speed
39.9 mph

Median Speed
34.9 mph

Average Speed
35.1 mph

10 MPH Pace Speed
30 mph to 40 mph
5599 vehicles in pace
Representing 69.9% of the total vehicles

Vehicles > 65 MPH
88
1.1%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Page: 4

Station #: 230200000056
Site ID: 000000000801
Location: Route 37 NB, north of JW Leroy Jr. Way
Direction: NORTH
Lane: 1

File: D0501016.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	2	4	5	11	4	0	0	0	0	0	26
02:00	0	0	0	0	0	4	4	2	0	0	0	0	0	5	15
03:00	3	0	0	0	2	3	4	6	3	1	0	0	0	2	24
04:00	0	0	0	0	0	1	5	15	3	0	0	0	0	5	29
05:00	8	3	0	0	0	7	24	28	8	2	0	0	0	5	85
06:00	22	2	0	0	5	28	99	94	21	7	0	1	3	18	300
07:00	25	3	0	3	26	122	235	123	5	1	0	0	4	41	588
08:00	37	26	57	64	150	277	152	25	1	1	0	9	1	53	853
09:00	33	10	13	37	132	243	268	34	4	2	2	12	9	53	852
10:00	35	10	1	11	42	147	199	54	2	0	1	1	10	35	548
11:00	42	3	0	1	37	147	172	60	0	0	0	2	9	45	518
12:00	32	2	1	11	62	176	189	38	4	0	0	1	9	37	562
13:00	28	2	0	12	64	193	199	20	3	0	2	5	3	44	575
14:00	29	4	5	4	48	166	175	43	2	0	0	9	5	43	533
15:00	26	2	2	32	117	175	122	21	2	2	0	5	12	58	576
16:00	34	1	3	18	119	196	137	27	2	2	4	1	10	43	597
17:00	46	6	3	3	44	191	212	31	3	0	2	3	12	68	624
18:00	42	2	3	13	71	223	153	14	3	3	5	7	21	71	631
19:00	32	8	3	3	20	125	166	42	3	4	1	6	2	52	467
20:00	19	5	1	2	30	109	131	32	0	0	0	6	1	36	372
21:00	8	1	0	2	19	81	100	28	4	0	0	5	7	22	277
22:00	6	1	0	0	10	39	66	23	1	0	1	0	4	12	163
23:00	4	1	0	0	5	19	43	13	3	0	0	0	0	17	105
24:00	1	1	0	0	1	22	47	19	8	1	0	0	0	9	109
DAY TOTAL	512	93	92	216	1006	2698	2907	803	89	26	18	73	122	774	9429
PERCENTS	5.4%	1.0%	1.0%	2.3%	10.7%	28.6%	30.8%	8.5%	0.9%	0.3%	0.2%	0.8%	1.3%	8.2%	100.0%

Statistical Information.

15th Percentile Speed
29.1 mph

85th Percentile Speed
39.9 mph

Median Speed
34.9 mph

Average Speed
35.1 mph

10 MPH Pace Speed
30 mph to 40 mph
5605 vehicles in pace
Representing 68.8% of the total vehicles

Vehicles > 65 MPH
122
1.5%

Mass Highway Department

SPEED SUMMARY
 Fri 5/5/2023

Station #: 230200000056
 Site ID: 000000000801
 Location: Route 37 NB, north of JW Leroy Jr. Way
 Direction: NORTH
 Lane: 1

File: D0501016.prn
 City: Braintree
 County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	1	0	0	0	2	2	11	4	0	1	0	0	0	2	23
02:00	0	0	1	0	1	3	4	2	1	0	1	0	0	0	13
03:00	1	2	0	0	0	1	3	5	3	0	0	0	0	0	15
04:00	1	0	0	0	0	3	9	12	2	1	0	0	0	2	30
05:00	8	3	0	0	1	7	11	29	7	2	1	0	0	5	74
06:00	28	7	1	0	3	11	83	95	24	2	0	0	2	16	272
DAY TOTAL	39	12	2	0	7	27	121	147	37	6	2	0	2	25	427
PERCENTS	9.1%	2.8%	0.5%	0.0%	1.6%	6.3%	28.3%	34.4%	8.7%	1.4%	0.5%	0.0%	0.5%	5.9%	100.0%

Statistical Information...

15th Percentile Speed
 35.3 mph

85th Percentile Speed
 44.8 mph

Median Speed
 40.4 mph

Average Speed
 39.6 mph

10 MPH Pace Speed
 35 mph to 45 mph
 268 vehicles in pace
 Representing 73.8% of the total vehicles

Vehicles > 65 MPH
 2
 0.6%

Mass Highway Department

SPEED SUMMARY
 Mon 5/1/2023

Page: 1

STA. 8 SB

Station #: 230200000125
 Site ID: 000000000802
 Location: Route 37 SB, north of JW Leroy Jr. Way
 Direction: SOUTH
 Lane: 1

File: D0501018.prn
 City: Braintree
 County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
13:00	1	3	0	0	19	156	297	102	17	2	1	0	0	0	598
14:00	0	1	3	9	52	201	252	68	8	0	2	1	0	0	597
15:00	3	13	42	42	111	209	189	34	3	0	0	0	1	2	649
16:00	6	11	29	23	184	312	200	45	5	0	0	0	0	4	819
17:00	2	7	18	12	125	382	244	58	10	0	0	0	0	6	864
18:00	4	2	6	11	103	336	286	67	5	0	1	0	0	16	837
19:00	6	0	0	11	57	182	232	81	8	2	1	0	0	17	597
20:00	2	0	0	3	38	102	155	95	10	3	0	0	2	14	424
21:00	0	0	1	1	8	123	153	42	12	1	0	0	0	4	345
22:00	0	1	0	1	7	35	81	39	10	3	0	0	0	6	183
23:00	0	0	0	0	3	21	33	40	12	0	0	0	0	0	109
24:00	0	0	0	1	1	6	21	26	6	0	0	0	0	0	61
DAY TOTAL	24	38	99	114	708	2065	2143	697	106	11	5	1	3	69	6083
PERCENTS	0.4%	0.6%	1.6%	1.9%	11.6%	33.9%	35.2%	11.5%	1.7%	0.2%	0.1%	0.0%	0.0%	1.1%	100.0%

Statistical Information...

15th Percentile Speed
 29.6 mph

85th Percentile Speed
 39.8 mph

Median Speed
 34.9 mph

Average Speed
 34.7 mph

10 MPH Pace Speed
 30 mph to 40 mph
 4208 vehicles in pace
 Representing 70.3% of the total vehicles

Vehicles > 65 MPH
 3
 0.1%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Page: 2

Station #: 230200000125
Site ID: 000000000802
Location: Route 37 SB, north of JW Leroy Jr. Way
Direction: SOUTH
Lane: 1

File: D0501018.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	1	0	0	0	1	3	12	14	3	1	0	0	0	0	35
02:00	0	0	0	0	2	2	6	7	3	0	0	0	0	0	20
03:00	0	0	0	0	0	5	6	5	1	0	0	0	0	0	17
04:00	0	0	0	0	0	2	5	3	1	0	0	0	0	0	11
05:00	0	0	0	0	1	2	11	5	2	0	0	0	0	2	23
06:00	0	0	0	0	2	4	26	39	10	4	0	0	0	3	88
07:00	1	0	0	1	4	20	79	57	9	4	0	0	0	3	178
08:00	3	1	4	11	67	140	112	19	1	2	0	0	2	6	368
09:00	4	2	2	6	32	152	155	56	7	1	0	0	0	17	434
10:00	3	0	0	1	14	103	183	76	5	0	0	0	1	7	393
11:00	3	2	1	2	11	101	157	48	6	0	0	0	0	13	344
12:00	2	0	5	7	36	134	171	60	9	1	0	0	3	8	436
13:00	5	5	3	17	68	207	154	48	9	0	0	0	4	23	543
14:00	2	5	4	17	48	217	209	37	4	0	0	0	2	10	555
15:00	69	42	41	35	73	186	179	41	3	0	0	0	0	14	683
16:00	14	7	9	32	129	380	235	43	5	0	1	0	1	8	864
17:00	3	0	2	14	124	377	236	53	1	1	0	0	0	15	826
18:00	6	4	12	60	153	306	243	40	3	0	2	0	0	10	839
19:00	2	0	1	20	78	215	255	84	12	1	0	0	0	11	679
20:00	1	1	0	7	23	123	212	58	10	0	0	0	0	3	438
21:00	1	1	1	0	16	59	165	61	9	1	0	2	1	11	328
22:00	0	0	3	1	9	36	96	48	17	2	0	0	0	2	214
23:00	0	0	0	0	2	13	51	33	12	3	1	0	0	0	115
24:00	0	0	0	0	1	7	33	19	11	1	2	0	0	0	74
DAY TOTAL	120	70	88	231	894	2794	2991	954	153	22	6	2	14	166	8505
PERCENTS	1.4%	0.8%	1.0%	2.7%	10.5%	32.9%	35.2%	11.2%	1.8%	0.3%	0.1%	0.0%	0.2%	2.0%	100.0%

Statistical Information...

15th Percentile Speed
29.7 mph

85th Percentile Speed
39.9 mph

Median Speed
35.1 mph

Average Speed
34.8 mph

10 MPH Pace Speed
30 mph to 40 mph
5785 vehicles in pace
Representing 70.4% of the total vehicles

Vehicles > 65 MPH
14
0.2%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Page: 3

Station #: 230200000125
Site ID: 00000000802
Location: Route 37 SB, north of JW Leroy Jr. Way
Direction: SOUTH
Lane: 1

File: D0501018.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	1	8	16	19	4	1	0	0	0	2	51
02:00	0	0	0	0	0	2	7	6	0	2	1	0	0	0	18
03:00	0	0	0	0	1	3	3	3	1	1	0	0	0	1	13
04:00	0	0	0	0	1	0	6	2	1	0	1	1	0	0	12
05:00	1	0	0	0	1	3	5	4	1	0	0	0	0	0	15
06:00	0	0	0	1	1	3	23	37	14	2	1	0	0	2	84
07:00	1	0	0	6	4	20	73	43	27	3	1	0	1	2	181
08:00	6	3	1	5	52	120	114	29	5	0	0	0	1	6	342
09:00	1	1	2	8	32	141	164	61	5	1	0	0	0	4	420
10:00	2	0	1	2	11	106	164	63	9	1	0	0	2	14	375
11:00	2	1	0	1	21	91	151	79	4	2	0	0	1	18	371
12:00	3	9	0	5	39	105	200	80	6	1	0	0	0	18	466
13:00	8	1	3	5	22	165	254	55	10	0	0	0	0	17	540
14:00	4	3	6	17	42	132	239	81	11	0	0	0	0	13	548
15:00	55	33	48	51	95	208	159	48	3	0	0	0	0	15	715
16:00	22	12	24	54	184	310	218	30	2	1	1	0	4	34	896
17:00	16	9	24	58	169	311	250	47	3	0	0	1	0	34	922
18:00	33	22	17	30	113	339	226	34	6	0	1	0	0	27	848
19:00	3	6	4	22	116	255	239	68	6	0	0	1	0	32	752
20:00	4	0	2	6	48	103	179	60	9	0	0	1	2	21	435
21:00	0	0	0	0	16	117	152	59	3	2	0	0	0	8	357
22:00	2	1	2	0	11	70	92	36	6	2	0	0	0	2	224
23:00	0	0	0	0	3	25	52	34	9	1	0	0	0	4	128
24:00	0	0	0	1	2	6	29	22	9	0	0	0	2	0	71
DAY TOTAL	163	101	134	272	985	2643	3015	1000	154	20	6	4	13	274	8784
PERCENTS	1.9%	1.1%	1.5%	3.1%	11.2%	30.1%	34.3%	11.4%	1.8%	0.2%	0.1%	0.0%	0.1%	3.1%	100.0%

Statistical Information...

15th Percentile Speed
28.8 mph

85th Percentile Speed
39.9 mph

Median Speed
35.1 mph

Average Speed
34.5 mph

10 MPH Pace Speed
30 mph to 40 mph
5658 vehicles in pace
Representing 67.8% of the total vehicles

Vehicles > 65 MPH
13
0.2%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Station #: 230200000125
Site ID: 000000000802
Location: Route 37 SB, north of JW Leroy Jr. Way
Direction: SOUTH
Lane: 1

File: D0501018.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	2	7	10	11	5	3	0	0	0	2	40
02:00	0	0	0	0	1	3	4	4	0	0	0	0	0	0	12
03:00	0	0	0	0	1	3	5	4	0	1	0	0	1	1	16
04:00	0	0	0	0	0	2	3	4	1	1	0	0	0	0	11
05:00	0	0	0	0	1	1	11	1	5	0	1	0	0	0	20
06:00	0	0	0	0	3	7	29	33	9	1	0	0	0	2	84
07:00	2	1	1	2	11	27	84	41	15	0	1	2	0	2	189
08:00	6	1	3	17	62	138	102	31	2	0	0	2	5	18	387
09:00	2	0	1	4	29	117	180	69	7	2	1	2	0	7	421
10:00	6	0	2	0	16	92	149	59	8	0	0	2	0	21	355
11:00	1	1	1	2	13	102	176	65	9	1	1	0	0	11	383
12:00	6	0	0	0	20	123	193	58	9	0	1	0	1	10	421
13:00	2	1	0	0	28	132	209	84	8	0	1	1	3	15	484
14:00	0	1	0	19	81	149	219	66	3	1	0	0	5	14	558
15:00	39	26	34	57	135	209	174	16	2	1	0	0	2	18	713
16:00	58	25	17	43	176	262	208	43	3	0	0	2	1	25	863
17:00	92	47	63	54	97	227	200	31	6	0	0	3	1	13	834
18:00	237	137	110	60	74	103	36	6	0	1	0	1	4	6	775
19:00	6	3	5	5	62	235	221	62	4	1	0	0	4	31	639
20:00	4	0	0	2	9	113	178	79	12	1	2	0	3	15	418
21:00	1	1	0	1	18	132	157	56	6	1	0	0	0	8	381
22:00	0	0	0	2	5	63	132	53	4	3	0	0	1	11	274
23:00	0	0	0	1	4	36	63	56	11	0	0	0	2	3	176
24:00	0	0	0	0	1	13	24	32	4	1	0	0	0	0	75
DAY TOTAL	462	244	237	269	849	2296	2767	964	133	19	8	15	33	233	8529
PERCENTS	5.4%	2.9%	2.8%	3.2%	10.0%	26.9%	32.4%	11.3%	1.6%	0.2%	0.1%	0.2%	0.4%	2.7%	100.0%

Statistical Information...

15th Percentile Speed
27.5 mph

85th Percentile Speed
40.0 mph

Median Speed
35.0 mph

Average Speed
34.1 mph

10 MPH Pace Speed
30 mph to 40 mph
5063 vehicles in pace
Representing 64.6% of the total vehicles

Vehicles > 65 MPH
33
0.4%

Mass Highway Department

SPEED SUMMARY
Fri 5/5/2023

Station #: 230200000125
Site ID: 000000000802
Location: Route 37 SB, north of JW Leroy Jr. Way
Direction: SOUTH
Lane: 1

File: D0501018.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	4	18	21	6	3	0	0	0	1	53
02:00	0	0	0	0	0	3	7	3	4	0	1	0	0	0	18
03:00	0	0	0	0	0	2	3	5	1	0	0	0	0	0	11
04:00	0	0	0	0	0	1	2	3	1	0	2	0	0	0	9
05:00	1	0	0	0	1	1	12	8	1	0	0	0	0	0	24
06:00	0	0	0	0	1	7	23	20	11	1	1	0	0	0	64
07:00	1	1	1	4	2	30	79	45	5	3	0	0	0	2	173
08:00	3	3	7	25	51	150	117	34	2	0	4	3	12	411	
09:00	2	0	0	14	31	128	175	35	3	0	6	0	2	25	421
10:00	2	0	0	3	13	93	158	62	11	1	0	0	1	16	360
DAY TOTAL	9	4	8	46	99	419	594	236	45	8	10	4	6	56	1544
PERCENTS	0.6%	0.3%	0.5%	3.0%	6.4%	27.1%	38.5%	15.3%	2.9%	0.5%	0.6%	0.3%	0.4%	3.6%	100.0%

Statistical Information...

15th Percentile Speed
30.8 mph

85th Percentile Speed
41.9 mph

Median Speed
36.4 mph

Average Speed
36.3 mph

10 MPH Pace Speed
30 mph to 40 mph
1013 vehicles in pace
Representing 68.5% of the total vehicles

Vehicles > 65 MPH
6
0.4%

Mass Highway Department

SPEED SUMMARY
 Mon 5/1/2023

Page: 1

STA. 13 NB

Station #: 23020000017
 Site ID: 00000001301
 Location: Route 37 NB, north of Braxton St.
 Direction: NORTH
 Lane: 1

File: D0501022.prn
 City: Braintree
 County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
14:00	1	0	0	5	25	60	184	193	101	21	8	1	1	0	600
15:00	4	2	6	26	51	130	212	146	96	17	4	1	0	0	695
16:00	4	1	10	13	52	135	218	170	110	37	2	0	0	0	752
17:00	1	0	12	29	64	107	182	212	120	27	9	2	0	1	766
18:00	1	3	6	28	66	111	157	187	114	42	11	0	0	0	726
19:00	0	1	0	7	15	51	132	172	123	42	12	2	0	0	557
20:00	2	0	0	3	12	32	122	138	111	34	10	2	1	0	467
21:00	0	0	0	0	9	18	96	102	69	21	5	0	0	1	321
22:00	0	0	0	1	3	7	32	81	51	20	6	4	0	0	205
23:00	0	0	0	0	1	4	16	47	42	11	11	0	0	0	132
24:00	0	0	0	0	0	15	22	25	13	11	4	0	1	0	91
DAY TOTAL	13	7	34	112	298	670	1373	1473	950	283	82	12	3	2	5312
PERCENTS	0.2%	0.1%	0.6%	2.1%	5.6%	12.6%	25.8%	27.7%	17.9%	5.3%	1.5%	0.2%	0.1%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
 32.6 mph

85th Percentile Speed
 47.8 mph

Median Speed
 40.5 mph

Average Speed
 40.2 mph

10 MPH Pace Speed
 35 mph to 45 mph
 2846 vehicles in pace
 Representing 53.7% of the total vehicles

Vehicles > 65 MPH
 3
 0.1%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Page: 2

Station #: 230200000017
Site ID: 000000001301
Location: Route 37 NB, north of Braxton St.
Direction: NORTH
Lane: 1

File: D0501022.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	0	8	7	10	4	5	0	1	1	36
02:00	0	0	0	0	1	0	0	7	5	2	1	0	0	0	16
03:00	0	0	0	0	0	0	0	6	8	5	2	3	1	0	25
04:00	0	0	0	0	0	0	2	10	16	12	8	2	1	1	52
05:00	0	0	0	1	1	0	3	37	65	57	22	6	3	2	197
06:00	0	1	0	0	0	5	37	88	235	169	70	8	1	0	614
07:00	5	4	1	6	17	29	138	320	270	95	26	4	2	1	918
08:00	5	11	12	83	132	243	329	259	80	13	5	0	0	0	1172
09:00	31	30	72	94	117	183	253	240	89	9	0	1	0	0	1119
10:00	0	0	2	2	11	71	201	230	148	21	5	1	0	0	692
11:00	0	0	0	3	9	37	156	259	123	25	7	2	0	0	621
12:00	0	0	0	5	28	65	188	164	102	19	5	0	0	0	576
13:00	0	2	0	3	25	136	184	186	77	14	2	0	0	0	629
14:00	0	2	3	8	38	84	195	184	72	15	5	1	0	0	607
15:00	3	1	7	16	59	119	198	158	91	16	4	0	0	0	672
16:00	0	0	6	23	69	141	192	182	81	22	4	1	0	0	721
17:00	2	8	7	25	72	107	195	173	96	16	5	1	0	0	707
18:00	4	0	4	24	67	131	172	148	82	19	3	2	0	0	656
19:00	0	2	0	2	13	54	121	164	106	37	4	1	0	1	505
20:00	3	0	0	2	12	67	128	141	65	20	4	1	0	0	443
21:00	1	0	0	1	1	16	55	99	65	26	4	2	0	1	271
22:00	0	0	0	1	0	12	45	88	60	22	9	0	0	0	237
23:00	0	0	0	3	7	13	20	33	43	17	7	3	0	0	146
24:00	0	0	0	0	3	11	19	23	20	4	1	0	0	0	81
DAY TOTAL	54	61	114	302	682	1524	2839	3206	2009	659	208	39	9	7	11713
PERCENTS	0.5%	0.5%	1.0%	2.6%	5.8%	13.0%	24.2%	27.4%	17.2%	5.6%	1.8%	0.3%	0.1%	0.1%	100.0%

Statistical Information...

15th Percentile Speed
31.9 mph

85th Percentile Speed
47.9 mph

Median Speed
40.5 mph

Average Speed
40.0 mph

10 MPH Pace Speed
35 mph to 45 mph
6045 vehicles in pace
Representing 51.9% of the total vehicles

Vehicles > 65 MPH
9
0.1%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Page: 3

Station #: 230200000017
Site ID: 000000001301
Location: Route 37 NB, north of Braxton St.
Direction: NORTH
Lane: 1

File: D0501022.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	2	0	8	14	5	4	2	0	0	35
02:00	0	0	0	1	1	0	0	7	6	6	4	0	0	0	25
03:00	0	0	0	0	0	0	2	6	10	7	5	3	0	1	34
04:00	0	0	0	0	0	0	1	11	13	19	10	5	0	2	61
05:00	0	0	0	1	1	1	5	25	42	56	27	13	0	2	173
06:00	0	1	0	0	0	4	10	118	285	144	44	9	1	0	616
07:00	4	0	4	1	20	47	138	325	288	92	21	2	1	0	943
08:00	84	104	196	197	120	108	168	158	59	5	3	0	0	0	1202
09:00	38	36	84	59	93	145	248	245	96	15	3	1	0	0	1063
10:00	0	1	4	5	17	70	195	251	135	19	7	0	0	0	704
11:00	0	1	6	4	14	44	213	247	117	16	3	0	0	0	665
12:00	0	1	0	1	13	49	179	246	113	20	1	0	0	0	623
13:00	0	0	0	2	40	93	166	192	118	25	9	2	0	0	647
14:00	0	0	0	7	29	66	171	164	133	26	3	0	0	0	599
15:00	6	3	5	27	49	118	184	183	101	20	5	0	0	0	701
16:00	7	10	5	14	53	127	249	155	87	16	4	0	0	2	729
17:00	0	0	0	23	58	191	183	197	96	26	8	1	0	0	783
18:00	1	3	1	14	69	124	208	193	97	24	4	1	0	0	739
19:00	0	0	2	16	44	66	140	181	98	24	8	0	0	1	580
20:00	2	0	0	1	11	49	129	163	87	30	4	0	1	0	477
21:00	0	0	0	2	13	31	92	95	45	13	9	2	1	0	303
22:00	0	0	0	0	2	13	98	77	22	8	3	0	0	2	225
23:00	0	0	1	0	3	15	50	53	22	7	0	1	0	0	152
24:00	0	0	0	0	2	14	34	35	11	3	0	0	0	0	99
DAY TOTAL	142	160	308	375	652	1377	2863	3335	2095	626	189	42	4	10	12178
PERCENTS	1.2%	1.3%	2.5%	3.1%	5.4%	11.3%	23.5%	27.4%	17.2%	5.1%	1.6%	0.3%	0.0%	0.1%	100.0%

Statistical Information...

15th Percentile Speed
31.1 mph

85th Percentile Speed
47.8 mph

Median Speed
40.4 mph

Average Speed
39.4 mph

10 MPH Pace Speed
35 mph to 45 mph
6198 vehicles in pace
Representing 51.5% of the total vehicles

Vehicles > 65 MPH
4
0.0%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Page: 4

Station #: 230200000017
Site ID: 000000001301
Location: Route 37 NB, north of Braxton St.
Direction: NORTH
Lane: 1

File: D0501022.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	1	2	8	20	13	4	1	1	0	0	50
02:00	0	0	0	0	0	0	6	6	2	2	0	0	0	0	16
03:00	0	0	0	0	0	2	7	12	4	1	1	1	0	0	28
04:00	0	0	0	0	1	0	11	17	13	12	6	3	0	0	63
05:00	0	0	0	0	1	7	37	58	42	30	4	3	0	0	182
06:00	0	1	0	4	12	69	182	205	86	27	3	0	0	0	589
07:00	6	7	0	19	139	225	330	139	37	3	3	0	0	0	908
08:00	3	8	31	129	223	310	296	55	8	2	1	0	0	0	1066
09:00	19	20	34	124	288	283	160	61	11	3	1	0	0	0	1004
10:00	0	0	3	14	66	196	308	122	23	3	0	1	0	0	736
11:00	0	0	4	12	38	126	263	119	33	4	1	0	0	0	600
12:00	2	4	1	14	64	182	219	116	27	4	0	0	0	0	633
13:00	1	0	0	15	62	193	222	105	26	3	2	0	0	0	629
14:00	2	0	9	5	44	119	216	135	35	11	2	0	0	0	578
15:00	2	1	23	52	99	170	221	119	27	4	2	0	0	0	720
16:00	12	14	34	71	129	215	193	61	31	3	4	1	0	0	768
17:00	1	0	2	42	92	174	195	118	76	12	1	0	0	0	713
18:00	5	2	6	45	139	188	207	142	56	7	1	0	0	1	799
19:00	0	0	0	6	39	114	156	150	77	13	4	0	0	1	560
20:00	3	0	1	9	49	123	181	88	38	8	2	0	0	0	502
21:00	1	0	0	7	30	50	127	94	39	6	4	0	0	0	358
22:00	0	0	0	2	13	30	112	71	38	8	4	1	0	1	280
23:00	0	0	0	0	1	13	47	41	31	8	5	1	0	0	147
24:00	0	0	0	0	2	18	35	32	16	4	1	0	0	1	109
DAY TOTAL	57	57	148	570	1532	2809	3739	2086	789	182	53	12	0	4	12038
PERCENTS	0.5%	0.5%	1.2%	4.7%	12.7%	23.3%	31.1%	17.3%	6.6%	1.5%	0.4%	0.1%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
28.3 mph

85th Percentile Speed
43.2 mph

Median Speed
36.2 mph

Average Speed
35.8 mph

10 MPH Pace Speed
30 mph to 40 mph
6548 vehicles in pace
Representing 54.7% of the total vehicles

Vehicles > 65 MPH
0
0.0%

Mass Highway Department

SPEED SUMMARY
 Fri 5/5/2023

Page: 5

Station #: 230200000017
 Site ID: 000000001301
 Location: Route 37 NB, north of Braxton St.
 Direction: NORTH
 Lane: 1

File: D0501022.prn
 City: Braintree
 County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	2	4	7	11	1	1	0	0	0	26
02:00	0	0	0	0	1	3	3	3	6	5	1	1	0	0	23
03:00	0	0	0	0	0	0	2	18	6	1	0	0	1	1	29
04:00	0	0	0	0	0	1	10	19	11	7	4	1	0	0	53
05:00	0	0	0	1	1	4	28	55	63	13	9	2	2	0	178
06:00	0	1	0	0	22	66	138	175	111	38	6	0	0	0	557
07:00	3	0	0	12	69	212	314	164	28	2	4	0	0	0	808
08:00	1	0	11	52	158	368	329	101	13	3	0	0	0	0	1036
09:00	4	3	14	52	125	258	280	160	38	2	2	0	0	0	938
10:00	2	3	3	12	43	76	199	232	87	20	5	1	0	0	683
DAY TOTAL	10	7	28	129	419	990	1307	934	374	92	32	5	3	1	4331
PERCENTS	0.2%	0.2%	0.6%	3.0%	9.7%	22.9%	30.2%	21.6%	8.6%	2.1%	0.7%	0.1%	0.1%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
 30.3 mph

85th Percentile Speed
 44.2 mph

Median Speed
 37.3 mph

Average Speed
 37.2 mph

10 MPH Pace Speed
 30 mph to 40 mph
 2297 vehicles in pace
 Representing 53.2% of the total vehicles

Vehicles > 65 MPH
 3
 0.1%

Mass Highway Department

SPEED SUMMARY
 Mon 5/1/2023

Page: 1

STA. 135B

Station #: 230200000102
 Site ID: 000000001302
 Location: Route 37 SB, north of Braxton St.
 Direction: SOUTH
 Lane: 1

File: D0501024.prn
 City: Braintree
 County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
14:00	18	22	22	59	94	116	221	138	28	3	1	0	0	0	722
15:00	66	55	86	138	177	180	164	54	12	1	0	0	0	0	933
16:00	58	76	97	143	225	173	148	72	7	3	0	0	0	1	1003
17:00	97	99	134	205	218	210	150	36	3	1	1	0	0	0	1154
18:00	101	99	112	213	275	226	141	36	1	1	0	0	0	0	1205
19:00	43	53	52	79	101	154	269	156	20	0	0	0	0	0	927
20:00	7	11	17	43	132	128	207	171	20	6	1	0	0	0	743
21:00	6	12	9	21	38	87	181	145	31	2	4	0	0	0	536
22:00	0	0	3	1	7	29	111	123	61	7	3	3	1	0	349
23:00	0	0	1	4	5	18	46	68	48	8	3	1	0	0	202
24:00	0	0	0	1	10	10	34	73	29	13	1	1	1	0	173
DAY TOTAL	396	427	533	907	1282	1331	1672	1072	260	45	14	5	2	1	7947
PERCENTS	5.0%	5.4%	6.7%	11.4%	16.1%	16.7%	21.0%	13.5%	3.3%	0.6%	0.2%	0.1%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
 21.0 mph

85th Percentile Speed
 41.2 mph

Median Speed
 32.4 mph

Average Speed
 31.5 mph

10 MPH Pace Speed
 30 mph to 40 mph
 3003 vehicles in pace
 Representing 39.8% of the total vehicles

Vehicles > 65 MPH
 2
 0.0%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Page: 2

Station #: 230200000102
Site ID: 000000001302
Location: Route 37 SB, north of Braxton St.
Direction: SOUTH
Lane: 1

File: D0501024.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	1	0	2	12	36	27	8	2	2	0	0	90
02:00	0	0	0	0	1	2	6	12	12	2	3	1	0	0	39
03:00	0	0	0	0	1	1	2	9	10	2	1	0	0	0	26
04:00	0	0	0	0	0	2	2	5	4	2	2	1	0	0	18
05:00	0	0	0	0	1	0	7	9	11	10	2	1	0	0	41
06:00	0	0	0	0	2	8	28	50	34	7	3	2	0	0	134
07:00	0	0	0	6	22	33	61	98	41	9	2	0	0	0	272
08:00	8	12	15	33	51	98	187	128	26	5	0	0	1	0	564
09:00	12	20	22	49	53	97	203	112	13	3	1	0	0	0	585
10:00	2	1	8	12	40	78	189	113	28	4	0	0	0	0	475
11:00	2	1	10	11	49	112	166	113	38	3	1	0	0	0	506
12:00	3	2	13	32	72	146	189	119	17	0	1	0	0	0	594
13:00	1	4	27	66	100	144	196	72	12	1	0	0	0	0	623
14:00	11	23	35	41	90	172	217	98	19	0	0	0	0	0	706
15:00	67	58	75	114	206	154	166	73	13	1	0	0	0	0	927
16:00	89	85	117	149	189	194	162	63	8	1	0	0	0	0	1057
17:00	124	88	127	198	283	193	90	11	0	0	0	0	0	0	1114
18:00	108	86	146	179	262	164	106	28	1	0	0	0	0	0	1080
19:00	48	29	60	91	184	199	234	87	19	4	0	0	0	0	955
20:00	18	11	22	67	92	114	242	115	18	3	1	0	0	0	703
21:00	4	7	11	39	58	72	157	152	21	5	1	3	0	0	530
22:00	0	0	2	12	10	51	108	151	33	7	3	0	0	0	377
23:00	0	0	4	2	10	22	61	75	35	14	3	2	0	0	228
24:00	0	0	0	3	2	13	45	57	38	11	4	2	0	0	175
DAY TOTAL	497	427	694	1105	1778	2071	2836	1786	478	102	30	14	1	0	11819
PERCENTS	4.2%	3.6%	5.9%	9.3%	15.0%	17.5%	24.0%	15.1%	4.0%	0.9%	0.3%	0.1%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
22.6 mph

85th Percentile Speed
42.0 mph

Median Speed
34.0 mph

Average Speed
32.8 mph

10 MPH Pace Speed
30 mph to 40 mph
4907 vehicles in pace
Representing 43.3% of the total vehicles

Vehicles > 65 MPH
1
0.0%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Page: 3

Station #: 230200000102
Site ID: 000000001302
Location: Route 37 SB, north of Braxton St.
Direction: SOUTH
Lane: 1

File: D0501024.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	1	2	15	37	21	10	6	0	0	0	92
02:00	0	0	0	0	1	1	8	20	10	3	1	1	0	0	45
03:00	0	0	0	0	0	0	4	9	10	3	1	1	0	1	29
04:00	0	0	0	0	1	1	7	7	3	3	2	0	0	1	25
05:00	0	0	0	0	2	1	3	12	12	5	4	1	0	0	40
06:00	1	0	0	0	2	8	17	51	30	3	2	2	0	0	116
07:00	0	2	0	1	13	32	71	125	43	17	3	2	0	0	309
08:00	5	6	9	18	38	90	200	144	35	1	0	0	0	0	546
09:00	7	9	9	32	34	92	236	126	21	1	0	0	0	0	567
10:00	4	3	18	29	38	92	171	135	30	3	0	0	0	0	523
11:00	0	0	6	24	52	89	181	129	24	5	3	0	0	0	513
12:00	5	9	22	39	68	104	186	122	31	10	0	0	0	0	596
13:00	14	13	22	47	68	115	233	131	31	1	2	1	0	0	678
14:00	25	27	39	48	81	108	241	147	31	6	0	0	0	0	753
15:00	59	87	124	126	132	150	186	100	11	2	0	0	0	0	977
16:00	139	135	145	200	178	139	124	26	0	1	0	0	0	0	1087
17:00	109	132	178	176	224	156	80	42	6	1	2	0	0	0	1106
18:00	132	92	116	199	308	197	109	29	7	2	0	0	0	0	1191
19:00	71	61	76	138	143	140	219	126	21	4	0	0	0	0	999
20:00	8	21	35	68	111	172	237	120	23	3	0	0	0	0	798
21:00	4	14	20	35	80	108	203	111	24	2	0	1	0	0	602
22:00	16	11	21	25	66	97	89	76	11	0	0	0	0	0	412
23:00	0	0	6	6	33	42	50	61	17	1	0	0	0	1	217
24:00	0	1	1	11	24	51	55	46	19	1	1	0	0	0	210
DAY TOTAL	599	623	847	1222	1698	1987	2925	1932	471	88	27	9	0	3	12431
PERCENTS	4.8%	5.0%	6.8%	9.8%	13.7%	16.0%	23.5%	15.5%	3.8%	0.7%	0.2%	0.1%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
21.3 mph

85th Percentile Speed
42.0 mph

Median Speed
33.8 mph

Average Speed
32.3 mph

10 MPH Pace Speed
30 mph to 40 mph
4912 vehicles in pace
Representing 41.5% of the total vehicles

Vehicles > 65 MPH
0
0.0%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Page: 4

Station #: 230200000102
Site ID: 000000001302
Location: Route 37 SB, north of Braxton St.
Direction: SOUTH
Lane: 1

File: D0501024.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	7	20	28	29	13	3	0	0	0	0	100
02:00	0	0	0	2	6	8	11	14	5	1	2	0	0	0	49
03:00	0	0	0	0	3	3	10	6	3	1	2	3	0	0	31
04:00	0	0	0	1	3	4	3	3	3	1	0	0	0	0	18
05:00	0	0	1	0	5	7	10	9	5	2	3	0	0	0	42
06:00	0	0	0	3	15	16	39	31	13	3	1	0	0	0	121
07:00	4	0	6	16	48	64	89	61	18	3	3	1	0	0	313
08:00	17	24	23	54	83	129	122	76	16	4	1	0	0	0	549
09:00	54	40	56	75	98	89	142	55	12	1	3	0	1	0	626
10:00	16	21	25	51	101	112	106	40	14	1	1	0	0	0	488
11:00	7	11	25	56	98	108	133	52	2	2	0	0	0	0	494
12:00	26	24	47	79	98	106	115	43	6	1	0	0	0	0	545
13:00	73	46	69	102	97	135	99	32	2	0	0	0	0	0	655
14:00	56	51	80	95	115	107	123	47	4	1	0	0	0	0	679
15:00	121	90	96	222	178	91	69	19	2	0	0	0	0	0	888
16:00	185	115	164	247	165	52	14	3	0	0	0	0	0	0	945
17:00	170	150	160	267	219	71	13	3	0	0	0	0	0	0	1053
18:00	187	115	252	241	149	40	4	0	0	0	0	0	0	0	988
19:00	163	136	179	270	180	71	19	5	0	0	0	0	0	0	1023
20:00	171	104	114	174	143	75	59	19	4	0	0	0	0	0	863
21:00	18	19	52	69	104	133	148	47	6	0	0	1	0	0	597
22:00	4	4	14	38	76	110	107	63	12	1	1	0	0	0	430
23:00	0	0	2	15	50	83	84	47	10	2	0	0	0	0	293
24:00	0	0	2	19	35	49	60	44	12	6	0	0	0	0	227
DAY TOTAL	1272	950	1367	2096	2076	1683	1607	748	162	33	17	5	1	0	12017
PERCENTS	10.6%	7.9%	11.4%	17.4%	17.3%	14.0%	13.4%	6.2%	1.3%	0.3%	0.1%	0.0%	0.0%	0.0%	100.0%

Statistical Information...

15th Percentile Speed
17.4 mph

85th Percentile Speed
38.0 mph

Median Speed
27.3 mph

Average Speed
27.7 mph

10 MPH Pace Speed
20 mph to 30 mph
4172 vehicles in pace
Representing 38.8% of the total vehicles

Vehicles > 65 MPH
1
0.0%

Mass Highway Department

SPEED SUMMARY
 Fri 5/5/2023

Page: 5

Station #: 230200000102
 Site ID: 000000001302
 Location: Route 37 SB, north of Braxton St.
 Direction: SOUTH
 Lane: 1

File: D0501024.prn
 City: Braintree
 County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	1	4	13	12	33	30	11	4	1	0	0	0	109
02:00	0	0	1	2	4	11	7	15	4	0	0	0	0	0	44
03:00	0	0	1	3	4	4	7	4	3	0	1	1	0	4	32
04:00	0	0	0	1	1	5	5	5	5	0	0	0	0	0	22
05:00	0	0	1	1	9	7	10	8	5	2	0	0	0	0	43
06:00	0	0	0	0	11	17	34	29	12	2	0	0	0	0	105
07:00	7	6	9	15	36	70	86	64	8	3	2	0	0	0	306
08:00	19	15	15	41	86	113	133	85	18	1	2	0	0	0	528
09:00	23	23	23	58	101	134	115	49	13	1	0	0	0	0	540
10:00	0	3	2	22	67	120	145	100	22	2	0	0	0	0	483
DAY TOTAL	49	47	53	147	332	493	575	389	101	15	6	1	0	4	2212
PERCENTS	2.2%	2.1%	2.4%	6.6%	15.0%	22.3%	26.0%	17.6%	4.6%	0.7%	0.3%	0.0%	0.0%	0.2%	100.0%

Statistical Information...

15th Percentile Speed
 26.2 mph

85th Percentile Speed
 42.4 mph

Median Speed
 35.1 mph

Average Speed
 34.3 mph

10 MPH Pace Speed
 30 mph to 40 mph
 1068 vehicles in pace
 Representing 49.5% of the total vehicles

Vehicles > 65 MPH
 0
 0.0%

Mass Highway Department

SPEED SUMMARY
Mon 5/1/2023

Page: 1

STA. 18NB

Station #: 230200000120
Site ID: 000000001801
Location: Route 37 NB, south of South St.
Direction: NORTH
Lane: 1

File: D0501031.prn
City: Braintree
County: speed

TIME	30	35	40	45	50	55	60	65	70	75	80	85	90	250	Total
15:00	138	101	81	20	4	3	6	20	7	18	38	8	0	4	448
16:00	187	87	82	35	7	6	9	16	10	13	37	8	0	4	501
17:00	151	75	109	13	10	2	11	23	10	20	52	4	0	13	493
18:00	137	51	76	32	15	1	5	4	20	13	48	29	0	1	432
19:00	103	53	43	29	14	4	6	12	20	26	61	25	0	5	401
20:00	43	57	80	21	8	4	6	10	11	18	61	18	0	7	344
21:00	15	32	57	27	7	6	1	4	13	14	36	12	0	6	230
22:00	8	18	24	29	1	0	1	3	2	10	16	4	0	10	126
23:00	7	7	22	15	6	2	0	2	1	10	21	5	0	2	100
24:00	1	6	6	9	6	2	0	4	0	7	16	3	0	1	61
DAY TOTAL	790	487	580	230	78	30	45	98	94	149	386	116	0	53	3136
PERCENTS	25.2%	15.5%	18.5%	7.3%	2.5%	1.0%	1.4%	3.1%	3.0%	4.8%	12.3%	3.7%	0.0%	1.7%	100.0%

Statistical Information...

15th Percentile Speed
33.5 mph

85th Percentile Speed
77.1 mph

Median Speed
41.7 mph

Average Speed
51.5 mph

10 MPH Pace Speed
30 mph to 40 mph
1067 vehicles in pace
Representing 46.5% of the total vehicles

Vehicles > 65 MPH
745
32.5%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Station #: 230200000120
Site ID: 000000001801
Location: Route 37 NB, south of South St.
Direction: NORTH
Lane: 1

File: D0501031.prn
City: Braintree
County: speed

TIME	30	35	40	45	50	55	60	65	70	75	80	85	90	250	Total
01:00	0	4	4	10	0	1	0	0	0	0	8	4	0	0	31
02:00	0	0	6	1	1	1	0	0	0	0	0	0	0	1	10
03:00	1	0	1	5	5	1	1	0	0	4	4	0	0	4	26
04:00	2	0	5	9	7	3	6	1	1	2	2	8	0	2	48
05:00	10	9	23	39	36	8	4	2	1	4	15	5	0	9	165
06:00	139	41	57	84	28	6	8	13	12	16	94	22	0	6	526
07:00	369	85	60	56	12	9	4	23	21	37	72	10	0	5	763
08:00	512	67	54	22	19	7	4	31	18	31	37	12	0	1	815
09:00	398	92	63	32	11	9	15	14	14	26	48	16	0	0	738
10:00	174	109	80	25	13	1	4	16	16	23	42	15	0	2	520
11:00	148	78	70	31	18	3	1	12	7	13	38	7	0	4	430
12:00	88	68	66	30	22	0	10	14	14	26	67	9	0	1	415
13:00	144	58	84	25	13	7	14	21	21	34	67	11	0	2	501
14:00	87	72	77	27	5	5	2	11	18	20	74	23	0	4	425
15:00	136	64	71	28	5	4	3	18	11	39	73	7	0	6	465
16:00	184	72	59	26	7	4	3	13	19	31	60	7	0	5	490
17:00	147	68	76	41	4	3	7	21	17	18	71	20	0	0	493
18:00	104	64	54	29	10	1	5	13	13	29	108	17	0	3	450
19:00	72	34	78	45	7	7	3	7	25	21	59	19	0	8	385
20:00	50	44	52	40	17	4	3	8	11	27	68	18	0	5	347
21:00	21	29	27	29	15	2	2	5	2	14	49	10	0	4	209
22:00	10	14	27	38	9	0	2	2	2	10	38	18	0	6	176
23:00	14	3	29	17	3	3	1	2	3	8	37	15	0	6	141
24:00	1	2	4	11	4	0	0	0	0	2	6	4	0	2	36
DAY TOTAL	2811	1077	1127	700	271	89	102	247	246	435	1137	277	0	86	8605
PERCENTS	32.7%	12.5%	13.1%	8.1%	3.1%	1.0%	1.2%	2.9%	2.9%	5.1%	13.2%	3.2%	0.0%	1.0%	100.0%

Statistical Information...

15th Percentile Speed
34.0 mph

85th Percentile Speed
77.5 mph

Median Speed
44.7 mph

Average Speed
53.4 mph

10 MPH Pace Speed
30 mph to 40 mph
2204 vehicles in pace
Representing 38.6% of the total vehicles

Vehicles > 65 MPH
2095
36.7%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Page: 3

Station #: 230200000120
Site ID: 000000001801
Location: Route 37 NB, south of South St.
Direction: NORTH
Lane: 1

File: D0501031.prn
City: Braintree
County: speed

TIME	30	35	40	45	50	55	60	65	70	75	80	85	90	250	Total
01:00	2	0	5	2	6	2	0	0	2	2	5	2	0	2	30
02:00	1	0	4	2	2	1	0	2	0	0	2	5	0	0	19
03:00	0	0	8	10	3	1	0	0	0	2	0	0	0	2	26
04:00	4	0	6	12	7	2	1	2	0	0	7	4	0	2	47
05:00	11	4	11	40	27	14	3	2	2	0	14	7	0	9	144
06:00	128	36	64	87	38	17	4	8	14	12	107	11	0	10	536
07:00	311	93	100	49	20	5	12	16	17	30	91	17	0	2	763
08:00	472	84	73	28	13	6	7	31	12	33	63	11	0	1	834
09:00	401	90	85	20	9	11	21	24	12	33	70	9	0	1	786
10:00	175	76	92	37	11	2	6	16	5	24	73	23	0	6	546
11:00	165	87	74	21	10	7	10	9	21	26	60	16	0	3	509
12:00	110	77	61	33	9	5	5	11	13	22	88	7	0	12	453
13:00	130	71	68	32	11	8	8	14	27	25	60	14	0	3	471
14:00	101	81	79	19	11	7	5	6	11	24	58	15	0	3	420
15:00	143	74	56	30	19	3	8	16	16	37	59	8	0	2	471
16:00	140	80	77	26	18	7	5	31	31	25	70	14	0	4	528
17:00	117	78	95	28	14	4	11	15	14	22	95	25	0	9	527
18:00	152	62	82	37	22	4	13	19	10	27	67	19	0	5	519
19:00	90	60	55	28	12	8	6	15	16	21	58	12	0	7	388
20:00	73	60	46	32	3	3	2	5	21	27	56	18	0	2	348
21:00	27	29	39	23	8	1	4	2	10	18	49	11	0	11	232
22:00	17	14	39	30	7	0	1	0	2	10	41	23	0	4	188
23:00	10	5	18	27	4	1	0	1	0	12	23	8	0	1	110
24:00	1	6	15	8	2	0	0	0	0	2	12	9	0	1	56
DAY TOTAL	2781	1167	1252	661	286	119	132	245	256	434	1228	288	0	102	8951
PERCENTS	31.1%	13.0%	14.0%	7.4%	3.2%	1.3%	1.5%	2.7%	2.9%	4.8%	13.7%	3.2%	0.0%	1.1%	100.0%

Statistical Information...

15th Percentile Speed
33.9 mph

85th Percentile Speed
77.5 mph

Median Speed
44.7 mph

Average Speed
53.3 mph

10 MPH Pace Speed
30 mph to 40 mph
2419 vehicles in pace
Representing 39.9% of the total vehicles

Vehicles > 65 MPH
2206
36.4%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Station #: 230200000120
Site ID: 000000001801
Location: Route 37 NB, south of South St.
Direction: NORTH
Lane: 1

File: D0501031.prn
City: Braintree
County: speed

TIME	30	35	40	45	50	55	60	65	70	75	80	85	90	250	Total
01:00	1	2	6	7	4	1	0	0	0	0	9	6	0	1	37
02:00	0	2	3	3	1	1	0	0	0	0	0	2	0	0	12
03:00	0	2	2	11	2	0	0	0	0	0	4	2	0	0	23
04:00	0	1	0	13	6	15	3	0	2	0	9	4	0	2	55
05:00	16	9	16	38	29	15	1	2	0	6	19	7	0	2	160
06:00	122	51	40	80	39	7	8	6	13	33	70	28	0	20	517
07:00	380	100	69	37	17	9	2	9	16	27	67	22	0	0	755
08:00	589	43	45	12	1	3	6	15	7	12	26	8	0	0	767
09:00	527	62	35	15	7	3	6	19	12	12	30	4	0	0	732
10:00	186	98	89	25	8	1	11	17	24	36	120	16	0	4	635
11:00	103	74	81	30	9	10	2	20	21	18	100	18	0	0	486
12:00	75	59	115	35	4	8	6	10	23	46	69	28	0	1	479
13:00	129	80	87	32	5	3	6	17	18	32	71	8	0	6	494
14:00	96	78	82	43	7	2	6	19	27	35	70	14	0	2	481
15:00	178	56	76	18	10	3	3	18	19	31	71	14	0	0	497
16:00	156	66	63	36	15	3	15	13	23	34	70	14	0	3	511
17:00	157	68	76	51	5	1	15	11	12	25	79	24	0	4	528
18:00	156	72	79	34	11	7	2	19	11	24	88	30	0	3	536
19:00	69	51	69	37	5	6	7	6	17	23	72	19	0	9	390
20:00	59	52	47	43	5	1	8	11	11	26	83	14	0	1	361
21:00	32	28	54	26	9	2	1	2	5	11	77	12	0	7	266
22:00	23	9	41	31	7	4	1	3	2	8	47	12	0	12	200
23:00	5	5	31	24	9	4	2	0	0	3	6	2	0	5	96
24:00	7	3	11	8	7	3	2	0	0	8	10	0	0	0	59
DAY TOTAL	3066	1071	1217	689	222	112	113	217	263	450	1267	308	0	82	9077
PERCENTS	33.8%	11.8%	13.4%	7.6%	2.4%	1.2%	1.2%	2.4%	2.9%	5.0%	14.0%	3.4%	0.0%	0.9%	100.0%

Statistical Information...

15th Percentile Speed
34.2 mph

85th Percentile Speed
77.7 mph

Median Speed
44.9 mph

Average Speed
54.0 mph

10 MPH Pace Speed
30 mph to 40 mph
2288 vehicles in pace
Representing 38.6% of the total vehicles

Vehicles > 65 MPH
2288
38.6%

Mass Highway Department

SPEED SUMMARY
 Fri 5/5/2023

Page: 5

Station #: 230200000120
 Site ID: 000000001801
 Location: Route 37 NB, south of South St.
 Direction: NORTH
 Lane: 1

File: D0501031.prn
 City: Braintree
 County: speed

TIME	30	35	40	45	50	55	60	65	70	75	80	85	90	250	Total
01:00	4	0	3	8	1	0	0	0	0	0	12	0	0	0	28
02:00	0	0	2	5	4	4	0	0	1	0	0	0	0	0	16
03:00	2	5	6	1	2	2	0	0	1	8	4	1	0	0	32
04:00	3	1	9	9	9	3	1	0	4	4	0	4	0	1	48
05:00	12	11	13	31	15	11	2	7	1	8	41	6	0	2	160
06:00	83	36	59	96	39	3	8	14	27	20	81	23	0	8	497
07:00	265	81	90	54	14	7	6	20	18	33	71	8	0	4	671
08:00	384	76	78	25	8	5	6	21	24	46	52	19	0	3	747
09:00	277	79	67	41	16	17	5	37	26	43	61	13	0	1	683
10:00	133	80	77	45	15	3	5	15	25	31	80	14	0	6	529
11:00	97	42	84	26	10	5	4	18	14	34	89	13	0	2	438
DAY TOTAL	1260	411	488	341	133	60	37	132	141	227	491	101	0	27	3849
PERCENTS	32.7%	10.7%	12.7%	8.9%	3.5%	1.6%	1.0%	3.4%	3.7%	5.9%	12.8%	2.6%	0.0%	0.7%	100.0%

Statistical Information...

15th Percentile Speed
 34.7 mph

85th Percentile Speed
 77.1 mph

Median Speed
 46.6 mph

Average Speed
 54.0 mph

10 MPH Pace Speed
 30 mph to 40 mph
 899 vehicles in pace
 Representing 35.1% of the total vehicles

Vehicles > 65 MPH
 960
 37.5%

Mass Highway Department

SPEED SUMMARY
 Mon 5/1/2023

Page: 1

STA. 18SB

Station #: 230200000100
 Site ID: 000000001802
 Location: Route 37 SB, south of South St.
 Direction: SOUTH
 Lane: 1

File: D0501003.prn
 City: Braintree
 County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
15:00	12	0	0	1	29	114	217	91	17	0	0	12	10	55	558
16:00	29	2	3	9	55	159	242	102	5	1	0	0	10	82	699
17:00	38	0	1	3	32	178	287	123	12	3	1	3	18	113	812
18:00	52	2	7	11	52	168	258	93	15	4	4	6	14	140	826
19:00	21	0	0	6	22	105	189	112	19	0	1	1	17	113	606
20:00	22	0	0	0	12	65	143	89	26	3	1	6	10	120	497
21:00	16	0	0	7	12	24	98	113	29	2	0	3	2	85	391
22:00	5	0	0	0	2	16	43	73	35	4	3	4	3	60	248
23:00	2	0	0	0	0	4	32	50	25	5	1	0	5	57	181
24:00	1	0	0	0	0	1	17	62	26	9	1	0	0	17	134
DAY TOTAL	198	4	11	37	216	834	1526	908	209	31	12	35	89	842	4952
PERCENTS	4.0%	0.1%	0.2%	0.7%	4.4%	16.8%	30.8%	18.3%	4.2%	0.6%	0.2%	0.7%	1.8%	17.0%	100.0%

Statistical Information...

15th Percentile Speed
 31.9 mph

85th Percentile Speed
 43.8 mph

Median Speed
 37.8 mph

Average Speed
 38.4 mph

10 MPH Pace Speed
 35 mph to 45 mph
 2434 vehicles in pace
 Representing 62.2% of the total vehicles

Vehicles > 65 MPH
 89
 2.3%

Mass Highway Department

SPEED SUMMARY
Tue 5/2/2023

Page: 2

Station #: 230200000100
Site ID: 000000001802
Location: Route 37 SB, south of South St.
Direction: SOUTH
Lane: 1

File: D0501003.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	0	6	21	28	6	2	0	1	20	84
02:00	0	0	0	0	1	1	1	8	13	0	4	0	1	11	40
03:00	0	0	0	0	0	1	5	3	5	1	3	0	1	5	24
04:00	0	0	0	0	0	1	1	5	3	3	0	0	0	3	16
05:00	0	0	0	0	0	3	3	7	5	7	2	0	0	1	28
06:00	2	0	0	1	3	9	12	15	11	3	1	0	0	18	75
07:00	3	0	0	0	1	9	38	53	15	2	2	1	0	29	153
08:00	24	1	2	9	14	36	62	48	13	3	1	3	7	110	333
09:00	17	1	1	0	4	62	89	47	9	1	6	13	10	85	345
10:00	6	1	0	1	11	53	102	59	12	3	2	5	4	64	323
11:00	9	0	1	14	31	65	88	61	10	3	2	3	3	52	342
12:00	12	2	1	7	25	76	125	45	8	1	3	1	4	77	387
13:00	20	0	1	11	47	93	108	38	5	3	3	11	8	99	447
14:00	20	2	2	0	16	61	143	53	13	0	1	9	24	121	465
15:00	28	0	2	0	17	110	178	64	12	0	1	11	35	140	598
16:00	49	1	2	2	31	156	185	81	9	1	8	16	33	156	730
17:00	64	0	7	26	32	159	205	80	6	1	2	23	33	200	838
18:00	45	3	3	12	40	162	204	84	13	5	1	13	23	173	781
19:00	43	0	0	0	27	134	180	74	12	6	1	17	12	195	701
20:00	35	0	0	0	12	65	100	82	28	4	1	7	13	138	485
21:00	20	0	0	0	2	38	95	80	20	3	0	5	5	134	402
22:00	5	0	0	1	0	7	57	76	27	6	0	2	3	68	252
23:00	5	0	0	2	3	9	35	53	22	6	1	0	2	33	171
24:00	5	0	0	0	0	9	26	33	30	8	1	0	1	47	160
DAY TOTAL	412	11	22	86	317	1319	2048	1170	329	76	48	140	223	1979	8180
PERCENTS	5.0%	0.1%	0.3%	1.1%	3.9%	16.1%	25.0%	14.3%	4.0%	0.9%	0.6%	1.7%	2.7%	24.2%	100.0%

Statistical Information...

15th Percentile Speed
31.6 mph

85th Percentile Speed
44.8 mph

Median Speed
37.8 mph

Average Speed
39.2 mph

10 MPH Pace Speed
30 mph to 40 mph
3367 vehicles in pace
Representing 58.2% of the total vehicles

Vehicles > 65 MPH
223
3.9%

Mass Highway Department

SPEED SUMMARY
Wed 5/3/2023

Page: 3

Station #: 230200000100
Site ID: 000000001802
Location: Route 37 SB, south of South St.
Direction: SOUTH
Lane: 1

File: D0501003.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	0	0	0	0	0	3	8	24	24	4	3	0	4	9	79
02:00	2	0	0	0	0	0	9	9	5	3	2	0	0	8	38
03:00	0	0	0	0	1	0	2	6	4	4	3	2	0	1	23
04:00	0	0	0	0	0	0	5	5	3	4	0	4	0	1	22
05:00	0	0	0	0	1	4	1	6	8	0	1	2	0	6	29
06:00	1	0	0	0	0	2	15	17	12	0	0	1	2	8	58
07:00	10	0	0	0	5	18	35	30	22	2	5	4	6	40	177
08:00	12	0	0	4	20	39	57	68	22	1	1	9	12	74	319
09:00	25	0	0	0	13	47	77	58	17	1	3	4	9	82	336
10:00	18	1	1	1	18	31	90	70	19	2	0	5	0	70	326
11:00	12	0	0	0	23	72	89	46	13	3	1	3	12	76	350
12:00	17	1	0	3	17	72	112	40	14	4	0	8	13	105	406
13:00	24	0	0	0	27	85	107	79	6	2	3	15	17	140	505
14:00	41	0	0	1	11	82	117	92	22	0	0	9	8	137	520
15:00	25	0	2	9	22	97	192	82	23	1	2	6	12	111	584
16:00	45	3	2	0	54	126	194	96	16	6	8	5	20	145	720
17:00	56	2	9	6	43	187	224	93	17	0	4	17	25	143	826
18:00	45	0	0	0	49	191	257	109	17	1	0	11	16	187	883
19:00	42	3	0	5	30	99	164	107	24	1	2	8	17	145	647
20:00	27	0	0	0	13	87	147	87	14	0	0	7	16	117	515
21:00	14	0	0	5	4	47	115	103	15	0	2	1	2	93	401
22:00	14	0	0	0	1	26	61	86	30	3	2	3	1	66	293
23:00	5	0	0	0	1	9	35	44	27	4	2	1	0	45	173
24:00	4	0	0	0	0	6	29	60	41	3	0	0	1	38	182
DAY TOTAL	439	10	14	34	353	1330	2142	1417	415	49	44	125	193	1847	8412
PERCENTS	5.2%	0.1%	0.2%	0.4%	4.2%	15.8%	25.5%	16.8%	4.9%	0.6%	0.5%	1.5%	2.3%	22.0%	100.0%

Statistical Information...

15th Percentile Speed
31.9 mph

85th Percentile Speed
44.7 mph

Median Speed
38.1 mph

Average Speed
39.2 mph

10 MPH Pace Speed
35 mph to 45 mph
3559 vehicles in pace
Representing 58.1% of the total vehicles

Vehicles > 65 MPH
193
3.2%

Mass Highway Department

SPEED SUMMARY
Thu 5/4/2023

Page: 4

Station #: 230200000100
Site ID: 000000001802
Location: Route 37 SB, south of South St.
Direction: SOUTH
Lane: 1

File: D0501003.prn
City: Braintree
County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	2	0	0	0	0	0	19	18	16	12	3	0	0	13	83
02:00	0	0	0	0	0	1	7	13	10	4	0	0	2	14	51
03:00	0	0	0	0	0	1	3	2	6	3	2	1	0	5	23
04:00	0	0	0	0	1	0	2	5	3	2	0	0	1	2	16
05:00	0	0	0	0	0	1	2	9	3	4	2	0	0	2	23
06:00	1	0	0	0	1	12	14	12	9	4	1	2	1	12	69
07:00	5	0	0	1	11	21	51	47	11	1	2	1	4	49	204
08:00	13	0	0	1	11	50	84	54	13	2	0	4	14	84	330
09:00	14	0	3	2	33	99	85	43	14	3	5	6	10	89	406
10:00	12	0	0	5	36	63	70	61	14	1	0	6	12	73	353
11:00	10	0	0	1	15	67	92	58	9	1	4	4	5	107	373
12:00	18	0	0	6	33	63	98	56	12	2	1	5	5	100	399
13:00	21	0	1	10	17	56	127	69	11	5	1	8	12	124	462
14:00	28	0	1	3	8	60	134	82	8	4	0	6	13	132	479
15:00	37	0	3	11	25	101	148	82	12	0	0	10	24	134	587
16:00	43	0	11	9	29	99	189	101	29	2	1	4	18	152	687
17:00	59	0	0	1	35	139	198	90	5	4	4	14	27	195	771
18:00	64	0	0	3	32	129	180	98	8	1	0	9	20	173	717
19:00	41	0	0	5	29	95	182	98	27	6	0	6	15	153	657
20:00	29	0	0	0	17	68	130	90	21	2	0	6	13	144	520
21:00	31	0	0	0	0	38	108	97	22	5	0	8	15	105	429
22:00	9	0	0	2	4	8	78	105	33	6	0	0	4	66	315
23:00	3	0	0	0	1	4	23	71	43	16	1	1	1	47	211
24:00	10	0	0	0	1	6	34	61	28	5	1	2	1	35	184
DAY TOTAL	450	0	19	60	339	1181	2058	1422	367	95	28	103	217	2010	8349
PERCENTS	5.4%	0.0%	0.2%	0.7%	4.1%	14.1%	24.6%	17.0%	4.4%	1.1%	0.3%	1.2%	2.6%	24.1%	100.0%

Statistical Information...

15th Percentile Speed
32.0 mph

85th Percentile Speed
44.8 mph

Median Speed
38.3 mph

Average Speed
39.4 mph

10 MPH Pace Speed
35 mph to 45 mph
3480 vehicles in pace
Representing 59.1% of the total vehicles

Vehicles > 65 MPH
217
3.7%

Mass Highway Department

SPEED SUMMARY
 Fri 5/5/2023

Page: 5

Station #: 230200000100
 Site ID: 000000001802
 Location: Route 37 SB, south of South St.
 Direction: SOUTH
 Lane: 1

File: D0501003.prn
 City: Braintree
 County: speed

TIME	10	15	20	25	30	35	40	45	50	55	60	65	70	250	Total
01:00	4	0	0	1	0	0	6	32	18	4	4	1	0	22	92
02:00	0	0	0	0	0	2	4	9	7	2	2	0	1	10	37
03:00	0	0	0	3	4	4	5	5	2	1	0	0	0	6	30
04:00	0	1	0	0	1	3	6	2	0	4	0	0	0	0	17
05:00	0	0	0	0	0	3	4	8	2	3	3	0	2	11	36
06:00	1	0	0	0	1	6	6	17	13	2	2	0	2	11	61
07:00	5	0	0	0	6	17	45	36	12	1	3	2	7	50	184
08:00	12	0	0	1	9	41	68	64	11	1	2	4	6	64	283
09:00	10	0	0	0	20	49	81	41	10	4	2	3	23	89	332
10:00	14	0	0	1	10	56	82	61	14	1	3	8	15	67	332
11:00	12	0	0	2	20	58	98	66	16	4	1	4	14	84	379
DAY TOTAL	58	1	0	8	71	239	405	341	105	27	22	22	70	414	1783
PERCENTS	3.3%	0.1%	0.0%	0.4%	4.0%	13.4%	22.7%	19.1%	5.9%	1.5%	1.2%	1.2%	3.9%	23.2%	100.0%

Statistical Information...

15th Percentile Speed
 32.5 mph

85th Percentile Speed
 47.4 mph

Median Speed
 39.2 mph

Average Speed
 40.7 mph

10 MPH Pace Speed
 35 mph to 45 mph
 746 vehicles in pace
 Representing 56.9% of the total vehicles

Vehicles > 65 MPH
 70
 5.3%

Part 4: Signal Timing Data

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

ADAPTIVE TRAFFIC SIGNAL CONTROL SYSTEM PROJECT 7 LOCATIONS - GRANITE STREET (ROUTE 37)

IN THE TOWN OF
BRAINTREE
NORFOLK COUNTY

BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	01	21
PROJECT FILE NO.		608651	

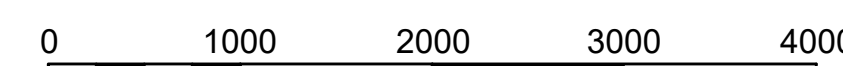
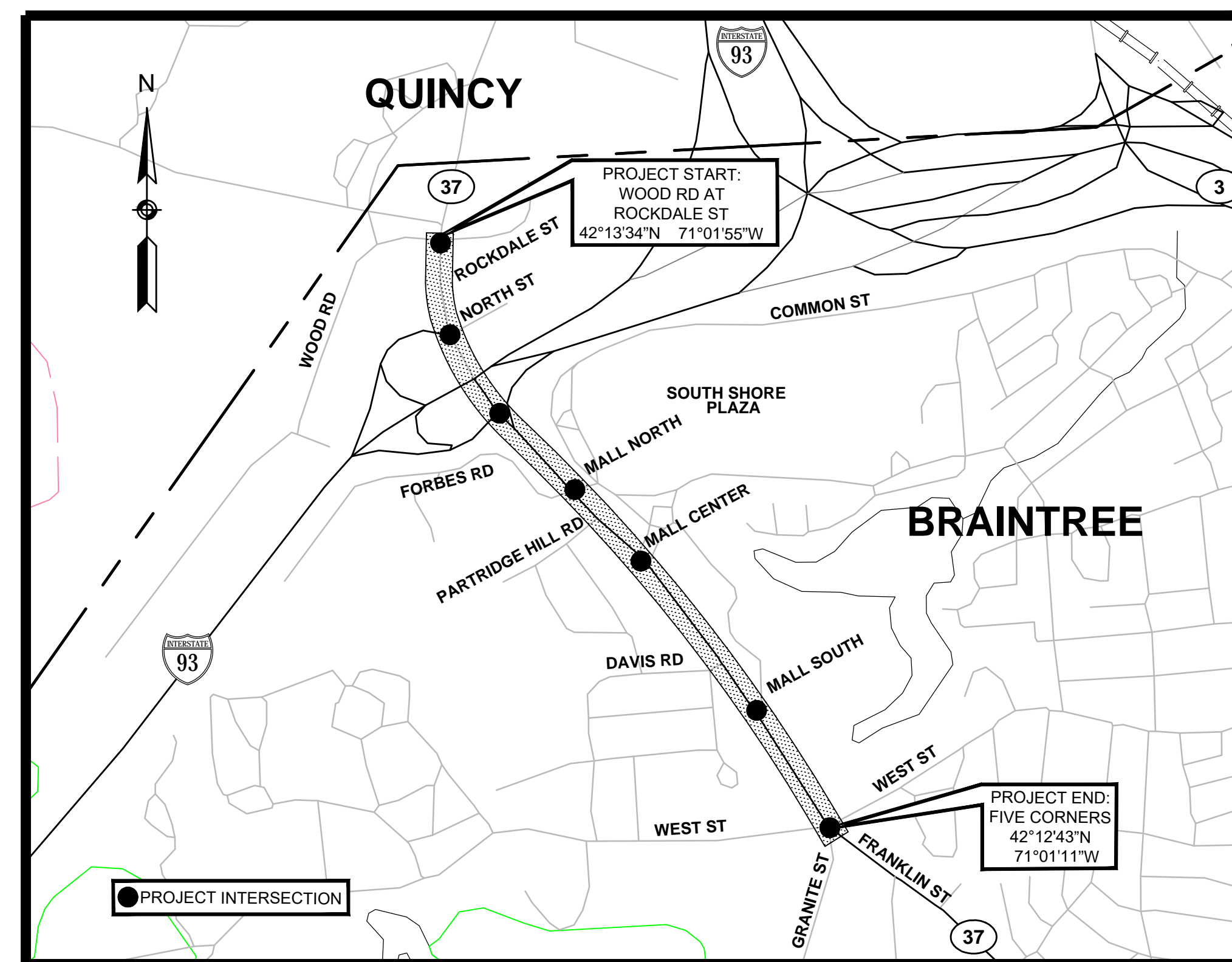
TITLE SHEET & INDEX

THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 1988, AS AMENDED, THE SUPPLEMENTAL SPECIFICATIONS DATED JULY 1, 2015, THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK WILL GOVERN.

PS&E SUBMITTAL

INDEX

SHEET NO.	DESCRIPTION
01	TITLE SHEET & INDEX
02	LEGEND, ABBREVIATIONS & GENERAL NOTES
03-16	TRAFFIC SIGNAL PLANS
17	SYSTEM ARCHITECTURE PLAN
18	CONSTRUCTION DETAILS
19-21	TEMPORARY TRAFFIC CONTROL PLANS



SCALE: 1" = 1000'

PROJECT LENGTH: 6,200 FEET

JULY 2018

DATE	DESCRIPTION	REV #

PLAN PREPARED BY: 101 WALNUT STREET WATERTOWN, MA 02471	 Massachusetts Department of Transportation Highway Division RECOMMENDED FOR APPROVAL
_____ DATE	_____ CHIEF ENGINEER _____ DATE
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED:	APPROVED _____ HIGHWAY ADMINISTRATOR _____ DATE
_____ DIVISION ADMINISTRATOR _____ DATE	_____ DATE

LEGEND

GENERAL SYMBOLS

EXISTING

	JERSEY BARRIER
	CATCH BASIN
	BUOY
	FLAG POLE
	GAS PUMP
	DROP INLET
	MAIL BOX
	GRANITE POST
	PLANTER
	POST
	TELEPHONE BOOTH
	VAULT
	VALVE
	WELL
	ELECTRIC MANHOLE (HANDHOLE)
	GATE POST
	FLOW LINE
	GAS GATE
	BORING HOLE
	MONITORING WELL
	TEST PIT
	CONCRETE HEADWALL
	HANDHOLE
	STONE HEADWALL
	HYDRANT
	LIGHT POLE
	COUNTY BOUND
	GPS POINT
	CABLE MANHOLE
	DRAINAGE MANHOLE
	ELECTRIC MANHOLE
	GAS MANHOLE
	MISC MANHOLE
	OTHER MANHOLE
	SEWER MANHOLE
	TELEPHONE MANHOLE
	WATER MANHOLE
	MHD BOUND
	MONUMENT
	STONE BOUND
	TOWN OR CITY BOUND
	TRAVERSE OR TRIANGULATION STATION
	TROLLEY POLE OR GUY POLE
	TRANS. POLE
	UP W ITH FIREBOX
	POLE WITH DOUBLE LIGHT
	UP W ITH 1 LIGHT
	UTILITY POLE
	BUSH
	TREE
	STUMP
	SWAMP / MARSH
	WATER GATE
	FIRE ALARM BOX
	PARKING METER
	ELECTRICAL GROUND
	GATE VALVE
	RIP RAP
	OVERHEAD CABLE
	DIRECT BURIAL CABLE
	CURBING
	CONTOURS
	DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
	ELECTRIC DUCT
	GAS MAIN
	SEWER MAIN
	TELEPHONE DUCT
	WATER MAIN
	BALANCE STONE WALL
	CULVERT
	GUARD RAIL
	GUTTER LINE AT DRIVEWAYS
	CHAIN LINK FENCE
	STOCKADE FENCE
	GUTTER INLET
	MAG NAIL

GENERAL SYMBOLS (CONT.)

EXISTING

	HAY BALES/SILT FENCE
	RETAINING WALL
	TREE LINE OR LIMIT OF CLEARING AND GRUBBING
	SAWCUT LINE
	TOP OR BOTTOM OF SLOPE
	LIMIT OF EDGE OF PAVEMENT OR COLD PLAN & OVERLAY
	BANK OF RIVER OR STREAM
	BORDER OF WETLAND
	100 FT WETLAND OR 200 FT RIVERFRONT BUFFER
	STATE HIGHWAY LAYOUT
	TOWN OR CITY LAYOUT
	COUNTY LAYOUT
	RAILROAD SIDELINE
	TOWN OR CITY BOUNDARY LINE
	PROPERTY LINE OR APPROXIMATE PROPERTY LINE
	EASEMENT

PAVEMENT MARKINGS AND SIGNING SYMBOLS

EXISTING

	PAVEMENT ARROW - WHITE
	LEGEND "ONLY" - WHITE
	WHITE STOP LINE - 12"
	WHITE CROSSWALK (WIDTH NOTED)
	SOLID WHITE LANE LINE
	BROKEN WHITE LANE LINE (10' LINE, 30' SPACE TYP.)
	SOLID WHITE EDGE LINE
	SOLID YELLOW CHANNELIZATION LINE
	DOUBLE YELLOW CENTER LINE
	SOLID WHITE CHANNELIZATION LINE
	SOLID YELLOW EDGE LINE
	LONG DOTTED WHITE LINE
	DOTTED WHITE LANE LINE
	DIRECTION OF TRAFFIC FLOW
	SHARED LANE

TRAFFIC SIGNAL SYMBOLS

EXISTING PROPOSED

		CONTROLLER PHASE ACTUATED
		WIRE LOOP DETECTOR (6'X 6' TYPICAL UNLESS OTHERWISE SPECIFIED)
		PEDESTRIAN PUSH BUTTON, SIGN AND SADDLE
		VEHICULAR SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD (TYPE AS NOTED OR AS SPECIFIED)
		PEDESTRIAN SIGNAL POST AND BASE
		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
		STEEL MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		SIGN AND POST
		SIGN AND POST (TWO POSTS)
		CONTROL CABINET, GROUND MOUNTED
		HANDHOLE 12" X 24" (AND AS NOTED)
		TRAFFIC SIGNAL CONDUIT
		JUNCTION BOX 24" X 24" X 10"
		VEHICLE DETECTION SENSOR
		VIRTUAL VEHICLE DETECTION ZONE

BRAINTREE ADAPTIVE TRAFFIC CONTROL SYSTEM

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	02	21
PROJECT FILE NO. 608651			

LEGEND, ABBREVIATIONS & GENERAL NOTES

GENERAL NOTES

- BASE PLAN INFORMATION BASED ON MASSDOT LAYOUT PLANS WITH EDITS BASED ON VHB FIELD NOTES AND AERIAL IMAGERY.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK.
- UTILITY RELOCATIONS ARE NOT ANTICIPATED FOR THIS PROJECT.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE OWNER.
- THE TERM "PROPOSED" (PROP) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET" (R&R).
- EXISTING STATE, COUNTY, CITY, AND TOWN LOCATION LINES AND PRIVATE PROPERTY LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND THEIR EXACT LOCATION ARE NOT GUARANTEED.
- EXISTING SIGNS AND PAVEMENT MARKINGS WITHIN THE PROJECT LIMIT SHALL BE RETAINED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

ABBREVIATIONS

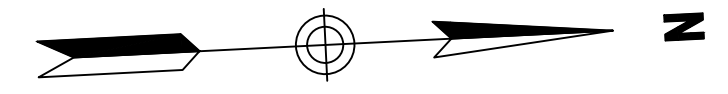
ABAN	ABANDON	HOR	HORIZONTAL
ADJ	ADJUST	HWY	HIGHWAY
APPROX	APPROXIMATE	HYD	HYDRANT
A.C.	ASPHALT CONCRETE	JCT	JUNCTION
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE	LB	LEACHING BASIN
BIT.	BITUMINOUS	LP	LIGHT POLE
BD.	BOUND	LT	LEFT
BLDG	BUILDING	MAX	MAXIMUM
BO	BY OTHERS	MB	MAIL BOX
BR.	BRIDGE	MH	MANHOLE
CB	CATCH BASIN	MHB	MASSACHUSETTS HIGHWAY BOUND
CBCI	CATCH BASIN WITH CURB INLET	MIN	MINIMUM
CC	CEMENT CONCRETE	MTD	MOUNTED
CCM	CEMENT CONCRETE MASONRY	NIC	NOT IN CONTRACT
CEM	CEMENT	NO.	NUMBER
CI	CURB INLET	OC	ON CENTER
CIP	CAST IRON PIPE / CAST IN PLACE	PROJ	PROJECT
CIT	CHANGE IN TYPE	PROP	PROPOSED
CLF	CHAIN LINK FENCE	PVMT	PAVEMENT
CL (OR C)	CENTERLINE	PWW	PAVED WATER WAY
CMP	CORRUGATED METAL PIPE	R&D	REMOVE AND DISPOSE
CSP	CORRUGATED STEEL PIPE	R&R	REMOVE & RESET
CO.	COUNTY	RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	RD	ROAD
CONT	CONTINUOUS	RDWY	ROADWAY
CONST	CONSTRUCTION	REM	REMOVE
DI	DROP INLET	RET	RETAIN
DIA	DIAMETER	RET WALL	RETAINING WALL
DIP	DUCTILE IRON PIPE	ROW	RIGHT-OF-WAY
DMH	DRAINAGE MANHOLE	RR	RAILROAD
DW	STEADY DON'T WALK - PORTLAND ORANGE	R&R	REMOVE AND RESET
DWY	DRIVEWAY	R&S	REMOVE AND STACK
ELEC	ELECTRIC	RT	RIGHT
EMB	EMBANKMENT	SBT	STEEL BACKED TIMBER
EMH	ELECTRIC MANHOLE	SB	STONE BOUND
EOP	EDGE OF PAVEMENT	SHLD	SHOULDER
EXIST (OR EX)	EXISTING	SMH	SEWER MANHOLE
EB	EASTBOUND	ST	STREET
F&C	FRAME AND COVER	STA	STATION
F&G	FRAME AND GRATE	SHLO	STATE HIGHWAY LAYOUT LINE
FDN.	FOUNDATION	SW	SIDEWALK
FLDSTN	FIELDSTONE	TEL	TELEPHONE
GAR	GARAGE	TEMP	TEMPORARY
GD	GROUND	TMH	TELEPHONE MANHOLE
GG	GAS GATE	TTCP	TEMP TRAFFIC CONTROL PLAN
GI	GUTTER INLET	TYP	TYPICAL
GIP	GALVANIZED IRON PIPE	UP	UTILITY POLE
GRAN	GRANITE	VAR	VARIES
GRAV	GRAVEL	WB	WESTBOUND
GRD	GUARD	WCR	WHEELCHAIR RAMP
HDW	HEADWALL	WG	WATER GATE
HH	HANDHOLE	WIP	WROUGHT IRON PIPE
HMA	HOT MIX ASPHALT	WM	WATER METER/WATER MAIN

**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	03	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 1**

NOTE:
PRE-EMPTION PHASE SELECTOR & CHASSIS SHALL BE REPLACED UNDER THIS CONTRACT. CONTRACTOR SHALL TEST EMERGENCY PRE-EMPTION SYSTEM WITH CONFIRMATION STROBE AND NOTIFY MASSDOT OF ANY DEFICIENCIES RELATED TO THE OPTICAL DETECTORS AND/OR CONFIRMATION STROBE.



R&S EXIST TS CONTROLLER & CABINET ASSEMBLY
R&R BLUETOOTH READER POWER INTERFACE UNIT
PROP 8Ø TS 2 TYPE 1 ATC CONTROLLER
W/TYP 6 CABINET ON EXIST FOUNDATION
RET EXIST SERVICE CONNECTION
SEE NOTE 6

N/F
The Flatley 06 LLC
Granite St
2057-0-12G

GRANITE ST (ROUTE 37)

PROP 15' EXTENSION BRACKET
(SEE NOTE 4)

SERVICE CONNECTION
POLE #107

WOOD ROAD

PROP VEHICLE DETECTION SENSOR (TYP)

PROP VEHICLE DETECTION ZONE (TYP)

CHICKATAWBUT ROAD

ABAN EXIST WIRE LOOP DETECTOR (TYP)

R&D EXIST COMMUNICATION CABLE
PROP 12 PAIR TWISTED 19 AWG
SHIELDED COMMUNICATION CABLE
IMSA SPEC 40-2
IN EXISTING CONDUIT
TO TS CONTROLLER AT I-93 SB RAMPS

1957 SHLO NO. 4556



N/F
The Flatley 06 LLC
1 Rockdale St
2057-0-7

ROCKDALE STREET

2009 SHLO NO. 7985

PROP 15' EXTENSION BRACKET
(SEE NOTE 4)

N/F
Bushman Francis
C/O Flatley Co
44 Granite St
2057-0-6K

CONSTRUCTION NOTES

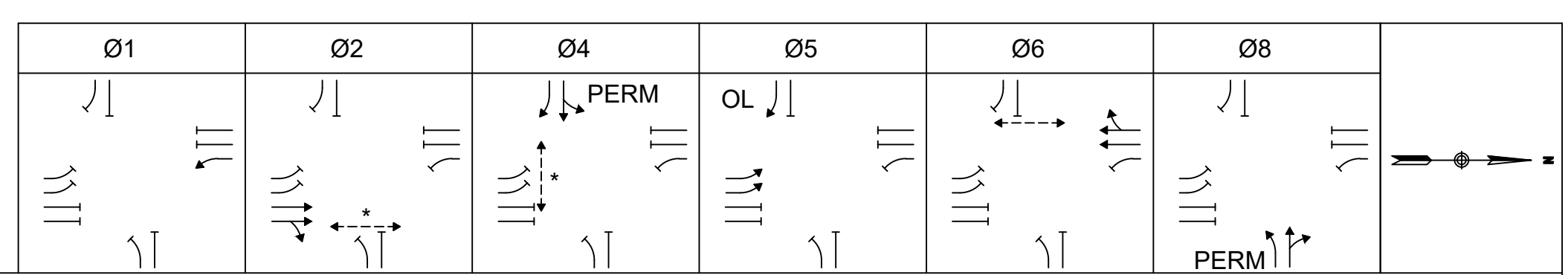
1. SEE SHEET 04 FOR TRAFFIC SIGNAL DATA.
2. RETAIN ALL EXISTING TS EQUIPMENT AND ALL TS CONDUIT UNLESS OTHERWISE NOTED.
3. RETAIN ALL EXISTING SIGNS, PAVEMENT MARKINGS AND FEATURES UNLESS OTHERWISE NOTED.
4. EXTENSION BRACKETS FOR DETECTION SENSOR SHALL BE POSITIONED TO PROVIDE OPTIMAL VEHICLE DETECTION PER MANUFACTURER RECOMMENDATIONS WHILE AVOIDING PHYSICAL CONTACT WITH EXISTING OVERHEAD WIRES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.
6. EXISTING BONDING WIRES HAVE BEEN CUT IN THE BASE OF THE CABINET. CONTRACTOR SHALL RE-ESTABLISH UNTERMINATED BONDING WIRES.

**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	04	21

PROJECT FILE NO. 608651

**TRAFFIC SIGNAL PLANS
LOCATION 1**



SEQUENCE AND TIMING FOR FULLY ACTUATED CONTROL (COORDINATED)

APPROACH	DIRECTION	HOUSING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	FLASH	
GRANITE STREET	SB	C	<G-	<Y-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<FR-	
GRANITE STREET	SB	A,B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	FY
GRANITE STREET	NB	D,E	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<R-	<FR-
GRANITE STREET	NB	F,G	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
WOOD ROAD	EB	H	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	FR
WOOD ROAD	EB	J	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	FR
ROCKDALE STREET	WB	K,L	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	FR
PEDESTRIAN	N-S	P1-P2	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT
PEDESTRIAN	E-W	P3-P4	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT
PEDESTRIAN	N-S	P5-P6	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	OUT

TIMING IN SECONDS																					
MINIMUM GREEN (INITIAL)			5			10				5					10					5	
PASSAGE TIME (VEHICLE)			2			2				2					2					2	
MAXIMUM 1			15			40				30					40					30	
MAXIMUM 2			15			40				30					40					30	
YELLOW CLEARANCE				3.5			4			4.5			3.5			4				4.5	
RED CLEARANCE					3.5			1			1.5					4					1.5
PEDESTRIAN INTERVAL						7/12				8/24						7/16					

DETECTOR MEMORY		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK	
RECALL		OFF		MIN		OFF		OFF		MIN		OFF	

COORDINATION DATA				COORDINATION PHASE SPLIT TIMES					
TIMING PLAN	WEEKS	CYCLE	OFFSET	Ø1	Ø2	Ø4	Ø5	Ø6	Ø8
1/1/1 M-F 0500-1200	1-53	110	3	22	70	18	34	58	18
2/1/1 M-F 1200-2100	1-47	120	118	14	55	51	16	53	51
3/1/1 SAT&SUN 1000-2100	1-47	100	20	13	66	21	24	55	21
4/1/1 ALL 1200-2100	48-53	120	118	14	55	51	16	53	51
21/1/1 ALL 0500-2100	1-53	60	59	15	30	15	15	30	15
MODE				COORD Ø				COORD Ø	

- NOTES:**
- AUTOMATIC FLASHING OPERATION PER M.U.T.C.D..
 - * UPON PEDESTRIAN PUSH BUTTON ACTUATION
 - OL = OVERLAP
 - PERM = PERMISSIVE
 - Ø4 & Ø8 DUAL ENTRY
 - MAXIMUM 1 = NORMAL OPERATION
 - MAXIMUM 2 = NOT USED
 - STOP AND GO OPERATION FOR 24 HOURS PER DAY. FLASHING OPERATION FOR EMERGENCY ONLY.
 - INHIBIT MAX TERMINATION SHALL BE IN EFFECT DURING COORDINATION.
 - OFFSET: BEGINNING OF Ø2 & Ø6 YELLOW
 - PLAN FORCE OFF SHALL BE IN EFFECT.
 - YIELD MODE SHALL BE IN EFFECT.
 - SPLIT TIMES EQUAL GREEN PLUS CLEARANCES.
 - FDW THRU YELLOW OPERATION SHALL NOT BE IN EFFECT.
 - WHEN A PEDESTRIAN PHASE IS ACTUATED THAT CANNOT BE ACCOMMODATED IN THE GIVEN SPLIT TIME, THE INTERSECTION SHALL DROP OUT OF COORDINATION.
 - COORDINATION SHALL BE PROGRAMMED SUCH THAT THE COORDINATED PHASE(S) IS NOT OPERATING UNDER ACTIVE CALL TO NON-ACTUATED (CNA). PEDESTRIAN DEMAND WILL BE CONDITIONALLY SERVICED BASED UPON PEDESTRIAN PUSH BUTTON ACTUATION ONLY.

PROPOSED PRE-EMPTION PHASING & PRIORITY

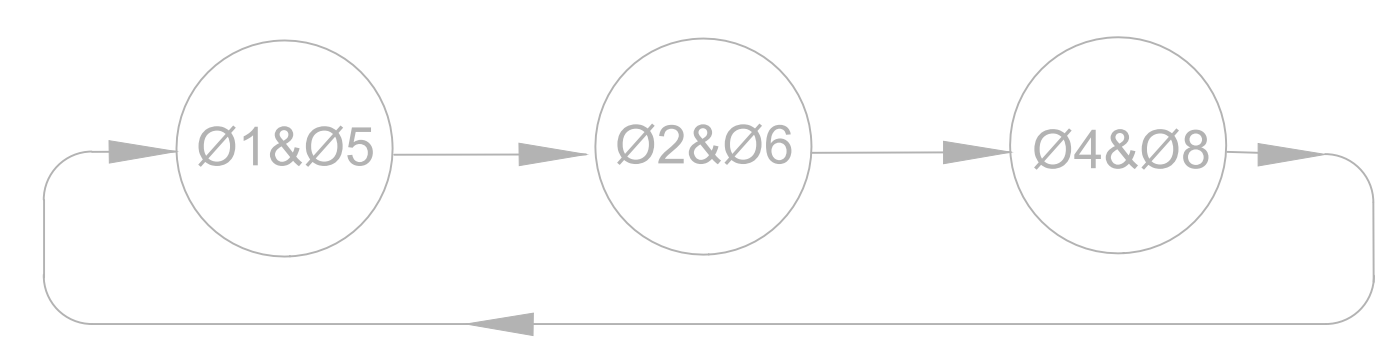
DETECTOR & PRIORITY	PRE-EMPT PHASE ASSIGNMENT	MOVEMENT	VEHICLE PHASE ASSIGNMENT
D1	1		Ø1&Ø6
D2	2		Ø2&Ø5
D3	3		Ø4
D4	4		Ø8

- EMERGENCY VEHICLE PRE-EMPTION OPERATION**
- EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE OPTICALLY TRANSMITTED BY OPTICAL EMITTERS MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT EACH INTERSECTION.
 - PRE-EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH DETECTORS D1, D2, D3 OR D4 ASSIGNED DESCENDING PRIORITIES AS FOLLOWS: (D1 HIGHEST AND D3 LOWEST)
 - IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY OPTICAL DETECTOR D1 (OR D2, D3, D4) THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD IN EMERGENCY VEHICLE PRE-EMPTION PHASE #1 (OR #2, #3, #4) GREEN FOR A MINIMUM OF TEN (10) SECONDS OR UNTIL PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE-EMPTION PHASE CLEARANCES FOR THE ASSOCIATED PHASE(S) AS SHOWN IN THE SEQUENCE AND TIMING CHART AND SERVICE SUBSEQUENT EMERGENCY VEHICLE PRE-EMPTION PHASES AS NECESSARY.
 - MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
 - PRE-EMPTION STROBE SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PRE-EMPTION GREEN IS ON.
 - EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE COORDINATION AND ADAPTIVE PROGRAMMING.

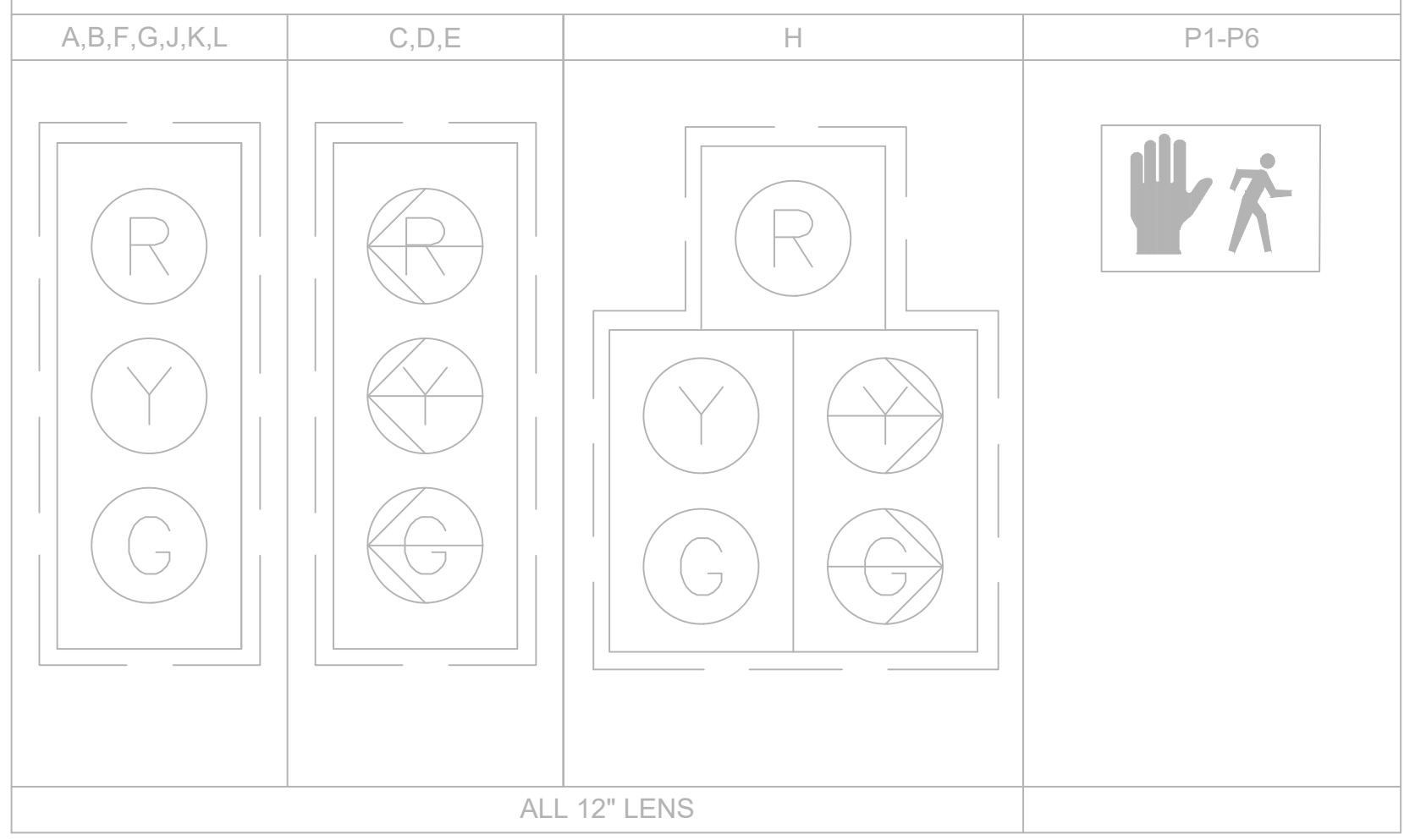
PROPOSED ADAPTIVE TRAFFIC CONTROL SETTINGS

INTERSECTION SETTINGS (ALL ENTRIES IN SECONDS)			
MIN CYCLE	MAX CYCLE	MAX CYCLE RATE OF CHANGE	MAX SPLIT RATE OF CHANGE
60	140	10	5

EXISTING PREFERENTIAL PHASE SEQUENCE



EXISTING SIGNAL HEAD DATA



LIST OF MAJOR ITEMS REQUIRED

PAY ITEM	QUANTITY	DESCRIPTION
816.01	1	80 TS 2 TYPE 1 ATC CONTROLLER, WITH INTERNAL ADAPTIVE CONTROL BY CYCLE/SPLIT/OFFSET W/TYPE 6 CABINET ON EXIST FOUNDATION
	1	ADAPTIVE INTERSECTION LICENSE
	1	ETHERNET OVER COPPER ACCESS DEVICE, 8-PAIRS
	1	VEHICLE DETECTION SYSTEM (5 SENSORS OR 2 360° CAMERAS, INTERFACE BOARD & CABLES)
	3	15' EXTENSION BRACKET
	1	MALFUNCTION MANAGEMENT UNIT
	2	INTERFACE/EXTENSION VIDEO BIU
	1	EMERGENCY PRE-EMPTION 4 CHANNEL PHASE SELECTOR
	1	EMERGENCY PRE-EMPTION SYSTEM CHASSIS

PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.

PROPOSED DETECTION DATA

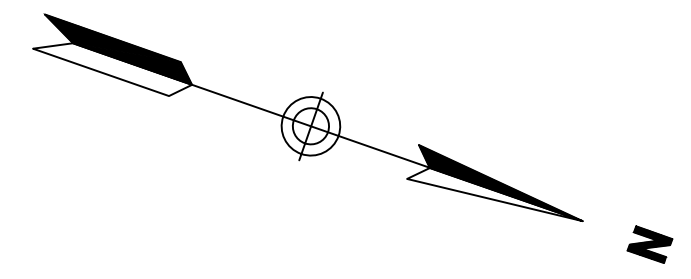
DETECTION ZONE	APPROACH/LANE	CAMERA	DELAY /EXT	CALL PHASE	ADAPTIVE CONTROL
1	ROUTE 37 SB LEFT LANE	S1	0	Ø1	-
2	ROUTE 37 SB THRU LANE	S1	0	Ø6	-
3	ROUTE 37 SB THRU/RIGHT LANE	S1	0	Ø6	-
4	ROUTE 37 NB LEFT LANE (LEFT)	S2	0	Ø5	-
5	ROUTE 37 NB LEFT LANE (RIGHT)	S2	0	Ø5	-
6	ROUTE 37 NB THRU LANE	S2	0	Ø2	-
7	ROUTE 37 NB THRU/RIGHT LANE	S2	0	Ø2	-
8	WOOD ROAD EB LEFT/THRU LANE	S3	0	Ø4	-
9	WOOD ROAD EB RIGHT LANE	S3	0	Ø4	-
10	ROCKDALE STREET WB LEFT LANE	S4	0	Ø8	-
11	ROCKDALE STREET WB THRU/RIGHT LANE	S4	0	Ø8	-
17	ROUTE 37 SB LEFT LANE	S1	0	-	Ø1
18	ROUTE 37 SB THRU LANE	S1	0	-	Ø6
19	ROUTE 37 SB THRU/RIGHT LANE	S1	0	-	Ø6
20	ROUTE 37 NB LEFT LANE (LEFT)	S2	0	-	Ø5
21	ROUTE 37 NB LEFT LANE (RIGHT)	S2	0	-	Ø5
22	ROUTE 37 NB THRU LANE	S2	0	-	Ø2
23	ROUTE 37 NB THRU/RIGHT LANE	S2	0	-	Ø2
24	WOOD ROAD EB LEFT/THRU LANE	S3	0	-	Ø4
25	WOOD ROAD EB RIGHT LANE	S3	0	-	Ø4
26	ROCKDALE STREET WB LEFT LANE	S4	0	-	Ø8
27	ROCKDALE STREET WB THRU/RIGHT LANE	S4	0	-	Ø8
28	ROUTE 37 SB DEPARTURE (LEFT)	S5	0	-	COUNTING
29	ROUTE 37 SB DEPARTURE (RIGHT)	S5	0	-	COUNTING
30	ROUTE 37 SB DEPARTURE (LEFT)	S5	0	-	SYSTEM
31	ROUTE 37 SB DEPARTURE (RIGHT)	S5	0	-	SYSTEM
32	ROUTE 37 SB THRU LANE	S1	0	-	SYSTEM
33	ROUTE 37 SB THRU/RIGHT LANE	S1	0	-	SYSTEM

- NOTES:**
- DELAY AND EXTENSION TIMINGS SHALL BE PROGRAMMED IN THE CONTROLLER ONLY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/RE-ADJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.
 - DETECTION ZONES SHALL RECORD VOLUME AND OCCUPANCY.

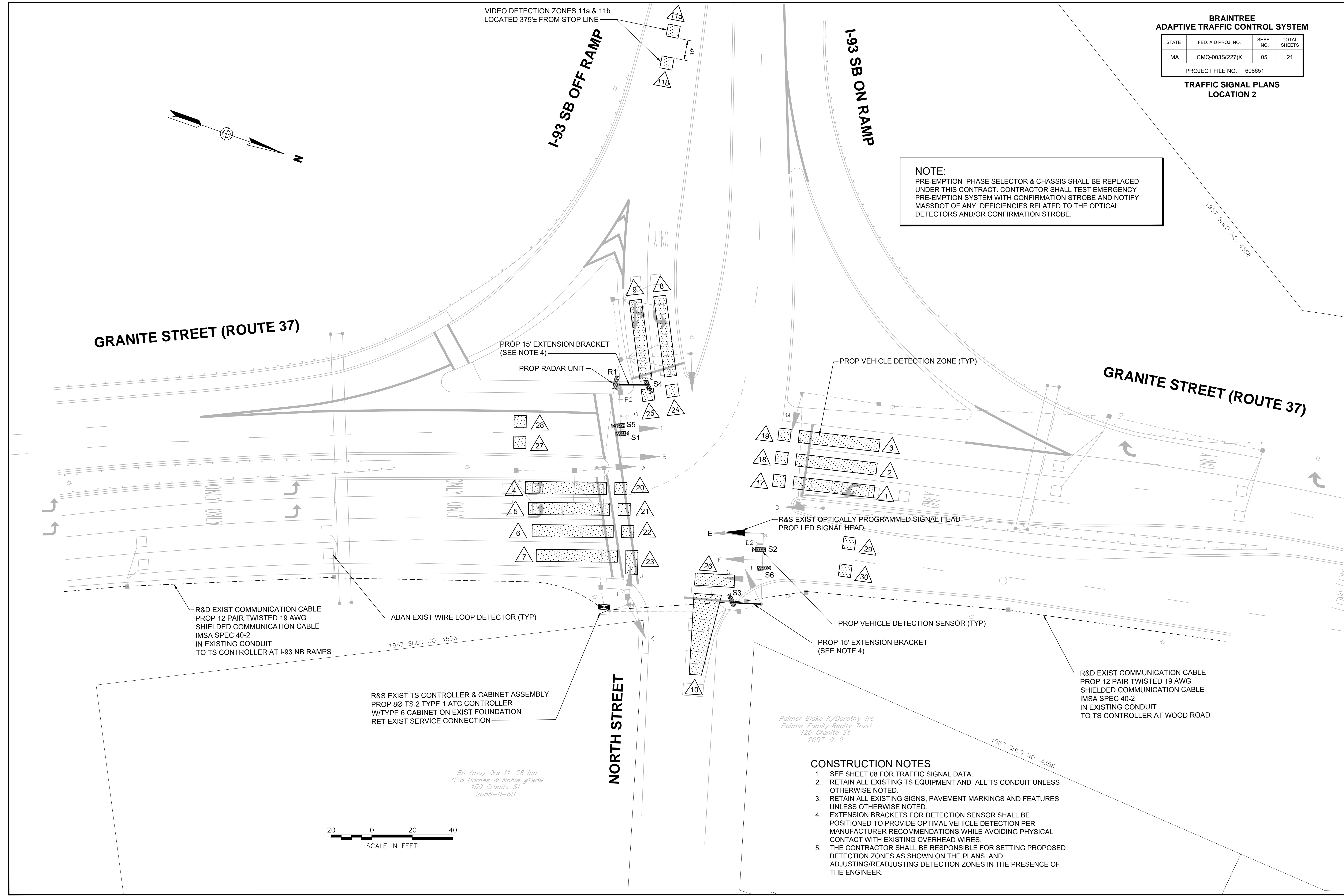
**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	05	21

PROJECT FILE NO. 608651
**TRAFFIC SIGNAL PLANS
LOCATION 2**



NOTE:
PRE-EMPTION PHASE SELECTOR & CHASSIS SHALL BE REPLACED UNDER THIS CONTRACT. CONTRACTOR SHALL TEST EMERGENCY PRE-EMPTION SYSTEM WITH CONFIRMATION STROBE AND NOTIFY MASSDOT OF ANY DEFICIENCIES RELATED TO THE OPTICAL DETECTORS AND/OR CONFIRMATION STROBE.



VIDEO DETECTION ZONES 11a & 11b
LOCATED 375'± FROM STOP LINE

I-93 SB OFF RAMP

I-93 SB ON RAMP

GRANITE STREET (ROUTE 37)

GRANITE STREET (ROUTE 37)

NORTH STREET

PROP 15' EXTENSION BRACKET
(SEE NOTE 4)
PROP RADAR UNIT

PROP VEHICLE DETECTION ZONE (TYP)

R&D EXIST COMMUNICATION CABLE
PROP 12 PAIR TWISTED 19 AWG
SHIELDED COMMUNICATION CABLE
IMSA SPEC 40-2
IN EXISTING CONDUIT
TO TS CONTROLLER AT I-93 NB RAMPS

ABAN EXIST WIRE LOOP DETECTOR (TYP)

R&S EXIST OPTICALLY PROGRAMMED SIGNAL HEAD
PROP LED SIGNAL HEAD

R&S EXIST TS CONTROLLER & CABINET ASSEMBLY
PROP 80 TS 2 TYPE 1 ATC CONTROLLER
W/TYP 6 CABINET ON EXIST FOUNDATION
RET EXIST SERVICE CONNECTION

PROP VEHICLE DETECTION SENSOR (TYP)

R&D EXIST COMMUNICATION CABLE
PROP 12 PAIR TWISTED 19 AWG
SHIELDED COMMUNICATION CABLE
IMSA SPEC 40-2
IN EXISTING CONDUIT
TO TS CONTROLLER AT WOOD ROAD

PROP 15' EXTENSION BRACKET
(SEE NOTE 4)

*Bn (ma) Ors 11-58 Inc
C/o Barnes & Noble #1989
150 Granite St
2056-0-68*

*Palmer Blake K/Dorothy Trs
Palmer Family Realty Trust
120 Granite St
2057-0-9*



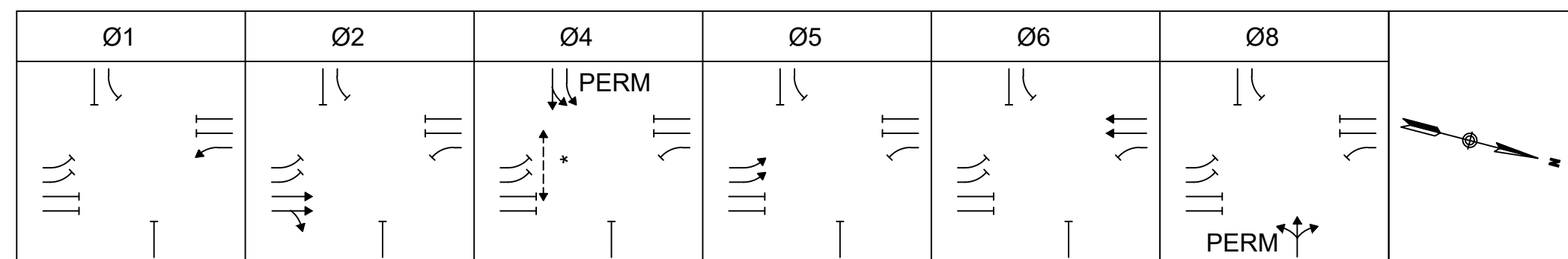
CONSTRUCTION NOTES

- SEE SHEET 08 FOR TRAFFIC SIGNAL DATA.
- RETAIN ALL EXISTING TS EQUIPMENT AND ALL TS CONDUIT UNLESS OTHERWISE NOTED.
- RETAIN ALL EXISTING SIGNS, PAVEMENT MARKINGS AND FEATURES UNLESS OTHERWISE NOTED.
- EXTENSION BRACKETS FOR DETECTION SENSOR SHALL BE POSITIONED TO PROVIDE OPTIMAL VEHICLE DETECTION PER MANUFACTURER RECOMMENDATIONS WHILE AVOIDING PHYSICAL CONTACT WITH EXISTING OVERHEAD WIRES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.

**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	06	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 2**



PROPOSED PRE-EMPTION PHASING & PRIORITY

DETECTOR & PRIORITY	PRE-EMPT PHASE ASSIGNMENT	MOVEMENT	VEHICLE PHASE ASSIGNMENT
D1	1	[Left Arrow]	Ø1&Ø6
D2	2	[Right Arrow]	Ø2&Ø5

EMERGENCY VEHICLE PRE-EMPTION OPERATION

- EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE OPTICALLY TRANSMITTED BY OPTICAL EMITTERS MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT EACH INTERSECTION.
- PRE-EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH DETECTORS D1 OR D2 ASSIGNED DESCENDING PRIORITIES AS FOLLOWS: (D1 HIGHEST AND D2 LOWEST)
- IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY OPTICAL DETECTOR D1 (OR D2) THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD IN EMERGENCY VEHICLE PRE-EMPTION PHASE #1 (OR #2) GREEN FOR A MINIMUM OF TEN (10) SECONDS OR UNTIL PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE-EMPTION PHASE CLEARANCES FOR THE ASSOCIATED PHASE(S) AS SHOWN IN THE SEQUENCE AND TIMING CHART AND SERVICE SUBSEQUENT EMERGENCY VEHICLE PRE-EMPTION PHASES AS NECESSARY.
- MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
- PRE-EMPTION STROBE SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PRE-EMPTION GREEN IS ON.
- EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE COORDINATION, QUEUE PRE-EMPTION, AND ADAPTIVE PROGRAMMING.

PROPOSED ADAPTIVE TRAFFIC CONTROL SETTINGS

INTERSECTION SETTINGS (ALL ENTRIES IN SECONDS)			
MIN CYCLE	MAX CYCLE	MAX CYCLE RATE OF CHANGE	MAX SPLIT RATE OF CHANGE
60	140	10	5

QUEUE DETECTION OPERATION

- A PRE-EMPT CALL SHALL BE PLACED INTO THE CONTROLLER AFTER A DELAY TIME ON DETECTOR ZONES 11a & 11b HAS TIMED OUT (INITIALLY SET AT 40 SECONDS).
- THIS QUEUE PRE-EMPT SHALL CAUSE THE CONTROLLER TO FORCE OFF PHASES CURRENTLY IN OPERATION AND SERVICE PHASE 4.
- PRE-EMPT DURATION SHALL INITIALLY BE SET FOR 30 SECONDS.
- UPON TERMINATION OF PRE-EMPTION, THE CONTROLLER SHALL RETURN TO NORMAL OPERATION BY SERVICING PHASES 2 & 6.
- THE CONTROLLER SHALL BE INITIALLY PROGRAMMED TO PROVIDE A MINIMUM RESERVE TIME FOR QUEUE PRE-EMPT OF 4 MINUTES.
- EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE QUEUE DETECTION PRE-EMPT.
- THE QUEUE PRE-EMPTION SHALL OVERRIDE COORDINATION.
- MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.

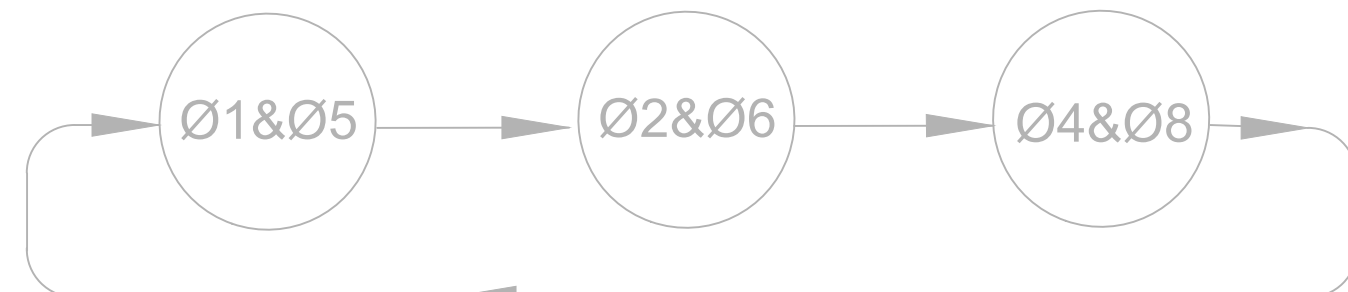
SEQUENCE AND TIMING FOR FULLY ACTUATED CONTROL (COORDINATED)

APPROACH	DIRECTION	HOUSING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	FLASH		
GRANITE STREET	SB	A	<G	<Y	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<FR		
GRANITE STREET	SB	B,C	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y		
GRANITE STREET	NB	D,E	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<G	<Y	<R	<R	<R	<R	<R	<R	<FR		
GRANITE STREET	NB	F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
GRANITE STREET	NB	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y		
I-95 SB RAMPS	EB	H	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	FR		
NORTH STREET	WB	K,L	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	FR		
PEDESTRIAN	E-W	P1-P2	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT		
TIMING IN SECONDS																							
MINIMUM GREEN (INITIAL)			5			10			5			10			5								
PASSAGE TIME (VEHICLE)			2			2			2			2			2								
MAXIMUM 1			20			40			30			30			40							30	
MAXIMUM 2			20			40			30			30			40							30	
YELLOW CLEARANCE				3.5				4				4.5					3.5				4		
RED CLEARANCE					2.5				1						2.5							1	
PEDESTRIAN INTERVAL										8/20												3	
DETECTOR MEMORY																							
RECALL						NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK		
						OFF			MIN			OFF			OFF			MIN			OFF		
COORDINATION DATA												COORDINATION PHASE SPLIT TIMES											
TIMING PLAN	WEEKS	CYCLE	OFFSET	Ø1	Ø2	Ø4	Ø5	Ø6	Ø8														
1/1/1 M-F 0500-1200	1-53	110	102	12		71		27		26		57		27									
2/1/1 M-F 1200-2100	1-47	120	6	15		80		25		30		65		25									
3/1/1 SAT&SUN 1000-2100	1-47	100	5	12		60		28		30		42		28									
4/1/1 ALL 1200-2100	48-53	120	6	15		80		25		30		65		25									
21/1/1 ALL 0500-2100	1-53	60	3	15		30		15		30		30		15									
MODE						COORD Ø						COORD Ø											

NOTES:

- AUTOMATIC FLASHING OPERATION PER M.U.T.C.D..
- * UPON PEDESTRIAN PUSH BUTTON ACTUATION
- PERM = PERMISSIVE
- MAXIMUM 1 = NORMAL OPERATION
- MAXIMUM 2 = NOT USED
- Ø4 & Ø8 DUAL ENTRY
- STOP AND GO OPERATION FOR 24 HOURS PER DAY. FLASHING OPERATION FOR EMERGENCY ONLY.
- INHIBIT MAX TERMINATION SHALL BE IN EFFECT DURING COORDINATION.
- OFFSET: BEGINNING OF Ø2 & Ø6 YELLOW
- PLAN FORCE OFF SHALL BE IN EFFECT.
- YIELD MODE SHALL BE IN EFFECT.
- SPLIT TIMES EQUAL GREEN PLUS CLEARANCES.
- FDW THRU YELLOW OPERATION SHALL NOT BE IN EFFECT.
- WHEN A PEDESTRIAN PHASE IS ACTUATED THAT CANNOT BE ACCOMMODATED IN THE GIVEN SPLIT TIME, THE INTERSECTION SHALL DROP OUT OF COORDINATION.
- COORDINATION SHALL BE PROGRAMMED SUCH THAT THE COORDINATED PHASE(S) IS NOT OPERATING UNDER ACTIVE CALL TO NON-ACTUATED (CNA). PEDESTRIAN DEMAND WILL BE CONDITIONALLY SERVICED BASED UPON PEDESTRIAN PUSH BUTTON ACTUATION ONLY.

EXISTING PREFERENTIAL PHASE SEQUENCE



PROPOSED/EXISTING SIGNAL HEAD DATA

E	A,D,E	B,C,F	G	H,J,K,L,M	P1-P2
R&S HEAD E					
ALL 12" LENS					

NOTE:

- PROP SIGNAL HEAD SHALL BE EQUIPPED WITH L.E.D. MODULES.

LIST OF MAJOR ITEMS REQUIRED

GRANITE STREET (ROUTE 37) AT I-93 SOUTHBOUND RAMPS/NORTH STREET

PAY ITEM	QUANTITY	DESCRIPTION
816.02	1	80 TS 2 TYPE 1 ATC CONTROLLER, W/INTERNAL ADAPTIVE CONTROL BY CYCLE/SPLIT/OFFSET W/TYP 6 CABINET ON EXIST FOUNDATION
	1	ADAPTIVE INTERSECTION LICENSE
	1	ETHERNET OVER COPPER ACCESS DEVICE, 8-PAIRS
	1	12" 3-SECTION SIGNAL HEAD, L.E.D.
	1	VEHICLE DETECTION SYSTEM (1 RADAR UNIT AND 6 SENSORS OR 2 360° CAMERAS, INTERFACE BOARD & CABLES)
	2	15' EXTENSION BRACKET
	1	MAJFUNCTION MANAGEMENT UNIT
	2	INTERFACE/ EXTENSION VIDEO BIU
	1	EMERGENCY PRE-EMPTION 4 CHANNEL PHASE SELECTOR
	1	EMERGENCY PRE-EMPTION SYSTEM CHASSIS

PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.

PROPOSED DETECTION DATA

DETECTION ZONE	APPROACH/LANE	CAMERA	DELAY /EXT	CALL PHASE	ADAPTIVE CONTROL
1	ROUTE 37 SB LEFT LANE	S1	0	Ø1	-
2	ROUTE 37 SB THRU LANE (LEFT)	S1	0	Ø6	-
3	ROUTE 37 SB THRU LANE (RIGHT)	S1	0	Ø6	-
4	ROUTE 37 NB LEFT LANE (LEFT)	S2	0	Ø5	-
5	ROUTE 37 NB LEFT LANE (RIGHT)	S2	0	Ø5	-
6	ROUTE 37 NB THRU LANE	S2	0	Ø2	-
7	ROUTE 37 NB THRU/RIGHT LANE	S2	0	Ø2	-
8	I-93 RAMP EB LEFT LANE	S3	0	Ø4	-
9	I-93 RAMP EB LEFT-THRU LANE	S3	0	Ø4	-
10	NORTH STREET WB	S4	0	Ø8	-
11a, 11b	I-93 RAMP EB (QUEUE DETECTION)	R1	0	Ø4	-
17	ROUTE 37 SB LEFT LANE	S1	0	-	Ø1
18	ROUTE 37 SB THRU LANE	S1	0	-	Ø6
19	ROUTE 37 SB THRU LANE (RIGHT)	S1	0	-	Ø6
20	ROUTE 37 NB LEFT LANE (LEFT)	S2	0	-	Ø5
21	ROUTE 37 NB LEFT LANE (RIGHT)	S2	0	-	Ø5
22	ROUTE 37 NB THRU LANE	S2	0	-	Ø2
23	ROUTE 37 NB THRU/RIGHT LANE	S2	0	-	Ø2
24	I-93 RAMP EB LEFT LANE	S3	0	-	Ø4
25	I-93 RAMP EB LEFT-THRU LANE	S3	0	-	Ø4
26	NORTH STREET WB	S4	0	-	Ø8
27	ROUTE 37 SB DEPARTURE (LEFT)	S5	0	-	SYSTEM
28	ROUTE 37 SB DEPARTURE (RIGHT)	S5	0	-	SYSTEM
29	ROUTE 37 NB DEPARTURE (LEFT)	S6	0	-	SYSTEM
30	ROUTE 37 NB DEPARTURE (RIGHT)	S6	0	-	SYSTEM

NOTES:

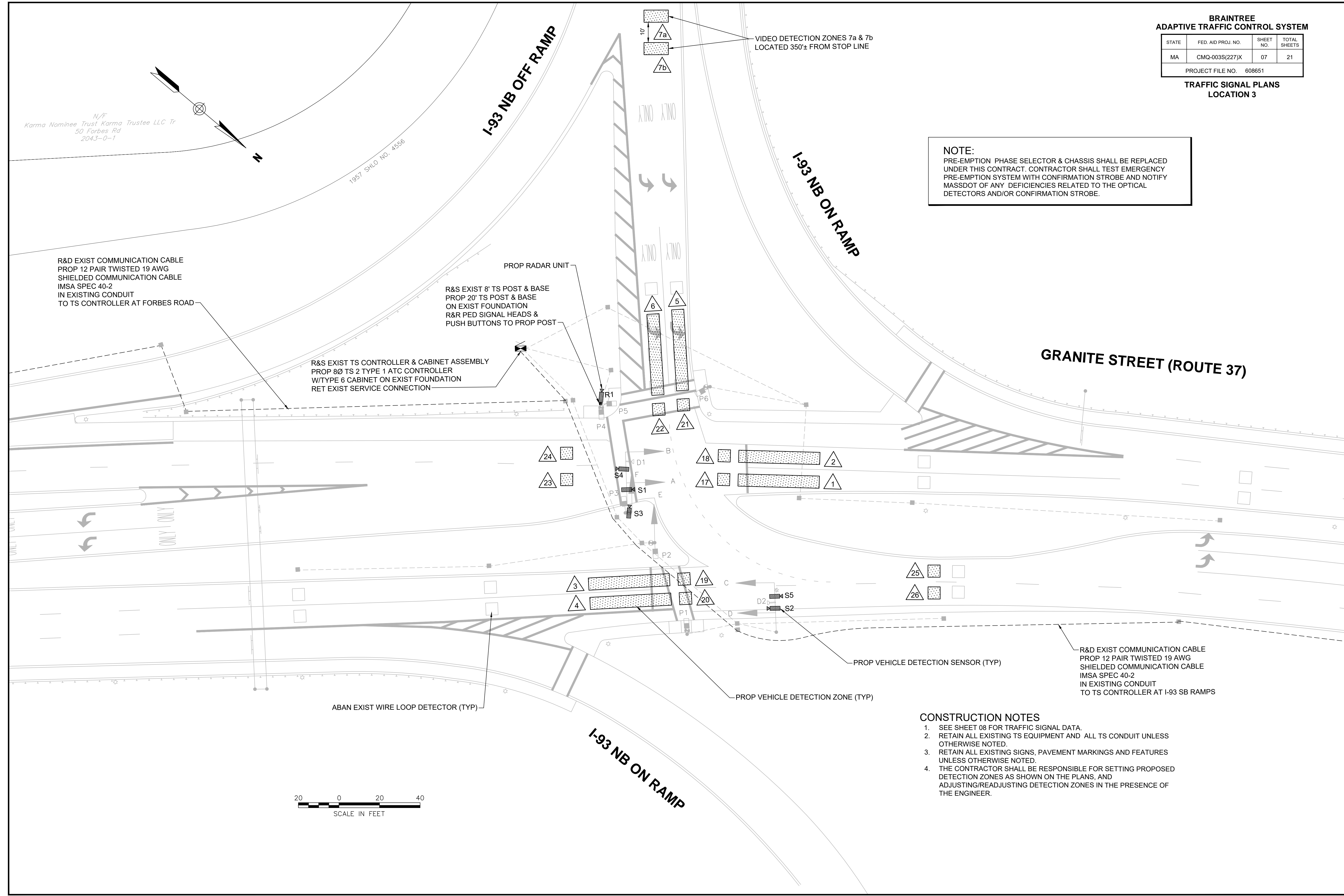
- DELAY AND EXTENSION TIMINGS SHALL BE PROGRAMMED IN THE CONTROLLER ONLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.
- DETECTION ZONES SHALL RECORD VOLUME AND OCCUPANCY.

**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	07	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 3**

NOTE:
PRE-EMPTION PHASE SELECTOR & CHASSIS SHALL BE REPLACED UNDER THIS CONTRACT. CONTRACTOR SHALL TEST EMERGENCY PRE-EMPTION SYSTEM WITH CONFIRMATION STROBE AND NOTIFY MASSDOT OF ANY DEFICIENCIES RELATED TO THE OPTICAL DETECTORS AND/OR CONFIRMATION STROBE.

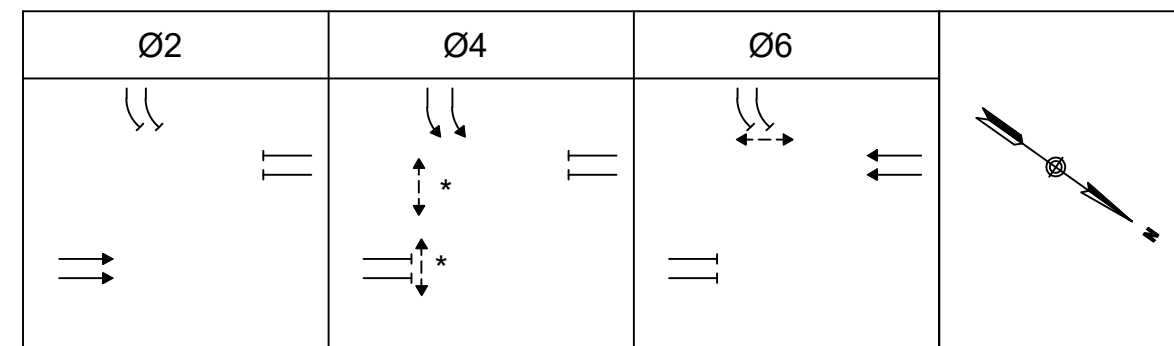


- CONSTRUCTION NOTES**
- SEE SHEET 08 FOR TRAFFIC SIGNAL DATA.
 - RETAIN ALL EXISTING TS EQUIPMENT AND ALL TS CONDUIT UNLESS OTHERWISE NOTED.
 - RETAIN ALL EXISTING SIGNS, PAVEMENT MARKINGS AND FEATURES UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.

**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	08	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 3**



SEQUENCE AND TIMING FOR FULLY ACTUATED CONTROL (COORDINATED)

APPROACH	DIRECTION	HOUSING	1	2	3	4	5	6	7	8	9	FLASH
GRANITE STREET	SB	A,B	R	R	R	R	R	R	↕	Y	R	FY
GRANITE STREET	NB	C,D	G	Y	R	R	R	R	R	R	R	FY
I-95 NB RAMP	EB	E,F	R	R	R	G	Y	R	R	R	R	FR
PEDESTRIAN	E-W	P1-P2,P3-P4	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	OUT
PEDESTRIAN	N-S	P5-P6	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	OUT

TIMING IN SECONDS

MINIMUM GREEN (INITIAL)	10			5			10					CONFLICT FLASH OPERATION ONLY
PASSAGE TIME (VEHICLE)	2			2			2					
MAXIMUM 1	40			30			40					
MAXIMUM 2	40			30			40					
YELLOW CLEARANCE		4			3				4			
RED CLEARANCE			1			4					1	
PEDESTRIAN INTERVAL				7/7			7/7					

DETECTOR MEMORY		NON-LOCK		NON-LOCK		NON-LOCK
RECALL		MIN		OFF		MIN

COORDINATION DATA

TIMING PLAN	WEEKS	CYCLE	OFFSET	Ø2	Ø4	Ø6
1/1/1 M-F 0500-1200	1-53	110	38	67	43	67
2/1/1 M-F 1200-2100	1-47	120	43	90	30	90
3/1/1 SAT&SUN 1000-2100	1-47	100	70	79	21	79
4/1/1 ALL 1200-2100	48-53	120	43	90	30	90
21/1/1 ALL 0500-2100	1-53	60	22	40	20	40
MODE				COORD Ø		COORD Ø

NOTES:

- AUTOMATIC FLASHING OPERATION PER M.U.T.C.D..
- * UPON PEDESTRIAN PUSH BUTTON ACTUATION
- MAXIMUM 1 = NORMAL OPERATION
- MAXIMUM 2 = NOT USED
- STOP AND GO OPERATION FOR 24 HOURS PER DAY. FLASHING OPERATION FOR EMERGENCY ONLY.
- INHIBIT MAX TERMINATION SHALL BE IN EFFECT DURING COORDINATION.
- OFFSET: BEGINNING OF Ø2 & Ø6 YELLOW
- PLAN FORCE OFF SHALL BE IN EFFECT.
- YIELD MODE SHALL BE IN EFFECT.
- SPLIT TIMES EQUAL GREEN PLUS CLEARANCES.
- FDW THRU YELLOW OPERATION SHALL NOT BE IN EFFECT.
- COORDINATION SHALL BE PROGRAMMED SUCH THAT THE COORDINATED PHASE(S) IS NOT OPERATING UNDER ACTIVE CALL TO NON-ACTUATED (CNA). PEDESTRIAN DEMAND WILL BE CONDITIONALLY SERVICED BASED UPON PEDESTRIAN PUSH BUTTON ACTUATION ONLY.

PROPOSED PRE-EMPTION PHASING & PRIORITY

DETECTOR & PRIORITY	PRE-EMPT PHASE ASSIGNMENT	MOVEMENT	VEHICLE PHASE ASSIGNMENT
D1	1	←	Ø6
D2	2	→	Ø2

EMERGENCY VEHICLE PRE-EMPTION OPERATION

- EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE OPTICALLY TRANSMITTED BY OPTICAL EMITTERS MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT EACH INTERSECTION.
- PRE-EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH DETECTORS D1 OR D2 ASSIGNED DESCENDING PRIORITIES AS FOLLOWS: (D1 HIGHEST AND D2 LOWEST)
- IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY OPTICAL DETECTOR D1 (OR D2) THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD IN EMERGENCY VEHICLE PRE-EMPTION PHASE #1 (OR #2) GREEN FOR A MINIMUM OF TEN (10) SECONDS OR UNTIL PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE-EMPTION PHASE CLEARANCES FOR THE ASSOCIATED PHASE(S) AS SHOWN IN THE SEQUENCE AND TIMING CHART AND SERVICE SUBSEQUENT EMERGENCY VEHICLE PRE-EMPTION PHASES AS NECESSARY.
- MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
- PRE-EMPTION STROBE SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PRE-EMPTION GREEN IS ON.
- EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE COORDINATION, QUEUE PRE-EMPTION, AND ADAPTIVE PROGRAMMING.

PROPOSED ADAPTIVE TRAFFIC CONTROL SETTINGS

INTERSECTION SETTINGS (ALL ENTRIES IN SECONDS)			
MIN CYCLE	MAX CYCLE	MAX CYCLE RATE OF CHANGE	MAX SPLIT RATE OF CHANGE
60	140	10	5

QUEUE DETECTION OPERATION

- A PRE-EMPT CALL SHALL BE PLACED INTO THE CONTROLLER AFTER A DELAY TIME ON DETECTOR ZONES 7a & 7b HAS TIMED OUT (INITIALLY SET AT 40 SECONDS).
- THIS QUEUE PRE-EMPT SHALL CAUSE THE CONTROLLER TO FORCE OFF PHASES CURRENTLY IN OPERATION AND SERVICE PHASE 4.
- PRE-EMPT DURATION SHALL INITIALLY BE SET FOR 30 SECONDS.
- UPON TERMINATION OF PRE-EMPTION, THE CONTROLLER SHALL RETURN TO NORMAL OPERATION BY SERVICING PHASES 2 & 6.
- THE CONTROLLER SHALL BE INITIALLY PROGRAMMED TO PROVIDE A MINIMUM RESERVE TIME FOR QUEUE PRE-EMPT OF 4 MINUTES.
- EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE QUEUE DETECTION PRE-EMPT.
- THE QUEUE PRE-EMPTION SHALL OVERRIDE COORDINATION.
- MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.

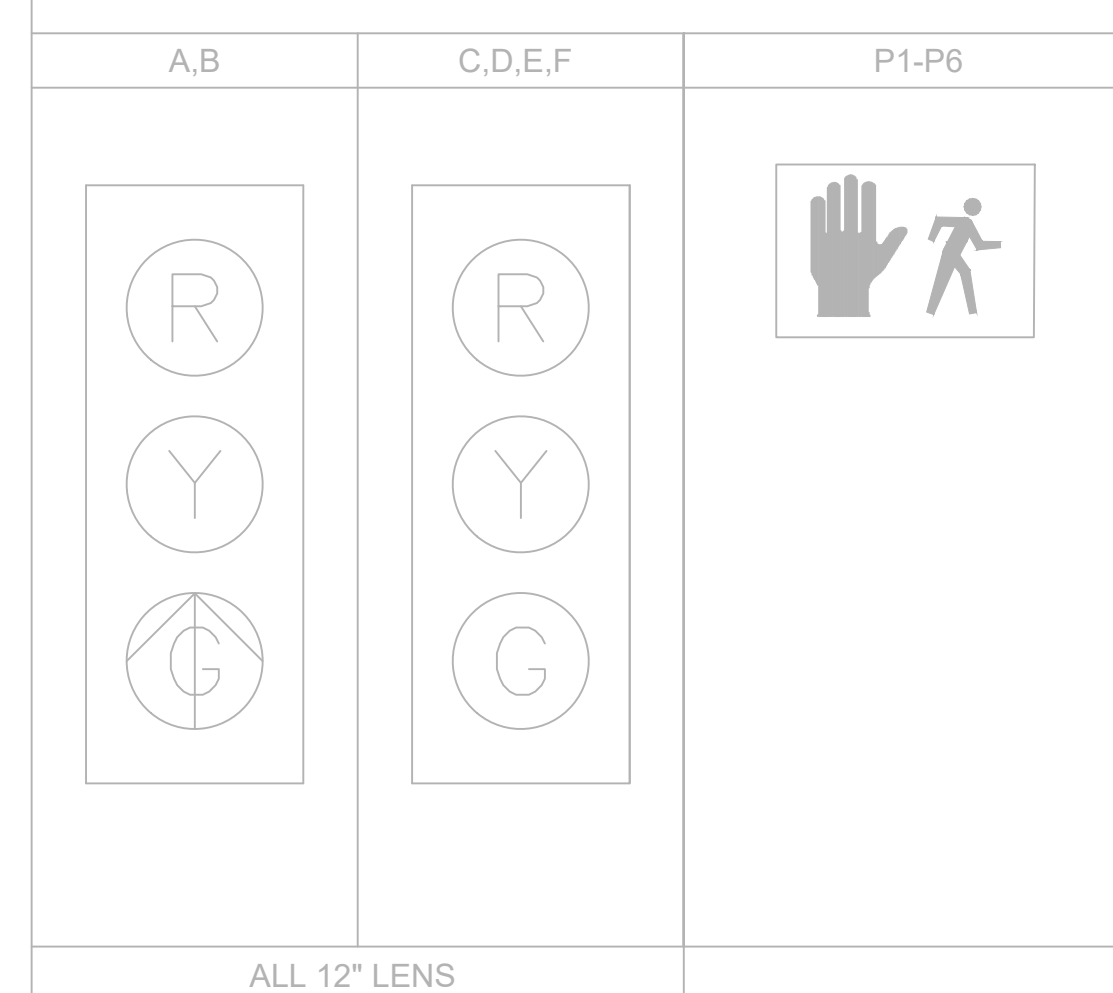
PROPOSED DETECTION DATA

DETECTION ZONE	APPROACH/LANE	CAMERA	DELAY /EXT	CALL PHASE	ADAPTIVE CONTROL
1	ROUTE 37 SB THRU LANE (LEFT)	S1	0	Ø6	-
2	ROUTE 37 SB THRU LANE (RIGHT)	S1	0	Ø6	-
3	ROUTE 37 NB THRU LANE (LEFT)	S2	0	Ø2	-
4	ROUTE 37 NB THRU LANE (RIGHT)	S2	0	Ø2	-
5	I-93 RAMP EB LEFT LANE (LEFT)	S3	0	Ø4	-
6	I-93 RAMP EB LEFT LANE (RIGHT)	S3	0	Ø4	-
7a & 7b	I-93 RAMP EB (QUEUE DETECTION)	R1	0	Ø4	-
17	ROUTE 37 SB THRU LANE (LEFT)	S1	0	-	Ø6
18	ROUTE 37 SB THRU LANE (RIGHT)	S1	0	-	Ø6
19	ROUTE 37 NB THRU LANE (LEFT)	S2	0	-	Ø2
20	ROUTE 37 NB THRU LANE (RIGHT)	S2	0	-	Ø2
21	I-93 RAMP EB LEFT LANE (LEFT)	S3	0	-	Ø4
22	I-93 RAMP EB LEFT LANE (RIGHT)	S3	0	-	Ø4
23	ROUTE 37 SB DEPARTURE (LEFT)	S4	0	-	SYSTEM
24	ROUTE 37 SB DEPARTURE (RIGHT)	S4	0	-	SYSTEM
25	ROUTE 37 NB DEPARTURE (LEFT)	S5	0	-	SYSTEM
26	ROUTE 37 NB DEPARTURE (RIGHT)	S5	0	-	SYSTEM

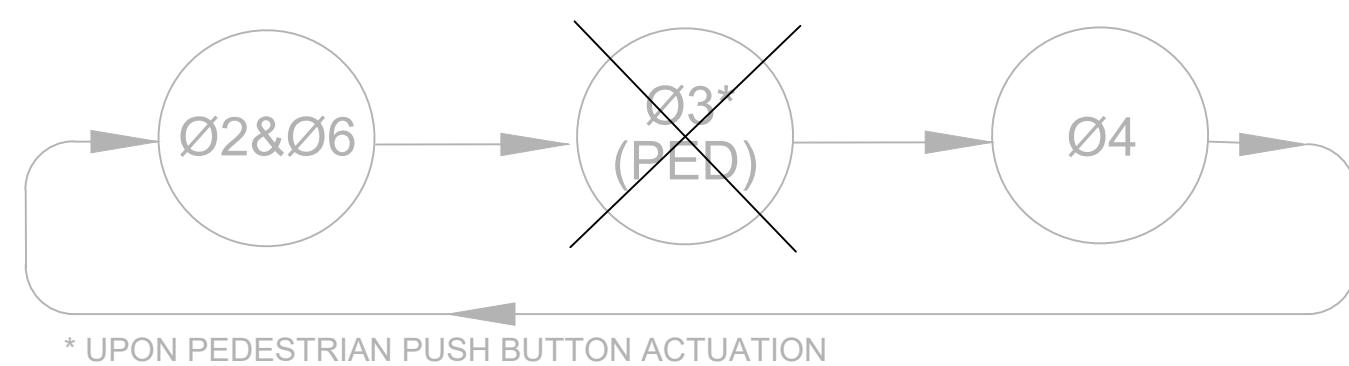
NOTES:

- DELAY AND EXTENSION TIMINGS SHALL BE PROGRAMMED IN THE CONTROLLER ONLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.
- DETECTION ZONES SHALL RECORD VOLUME AND OCCUPANCY.

EXISTING SIGNAL HEAD DATA



PROPOSED/EXISTING PREFERENTIAL PHASE SEQUENCE



LIST OF MAJOR ITEMS REQUIRED

GRANITE STREET (ROUTE 37) AT I-93 NORTHBOUND RAMP

PAY ITEM	QUANTITY	DESCRIPTION
816.03	1	80 TS 2 TYPE 1 ATC CONTROLLER, W/INTERNAL ADAPTIVE CONTROL BY CYCLE/SPLIT/OFFSET W/TYP 6 CABINET ON EXIST FOUNDATION
	1	20' TS POST STANDARD & BASE
	1	ADAPTIVE INTERSECTION LICENSE
	1	ETHERNET OVER COPPER ACCESS DEVICE, 8-PAIRS
	1	VEHICLE DETECTION SYSTEM (1 RADAR UNIT AND 5 SENSORS OR 2 360° CAMERAS, INTERFACE BOARD & CABLES)
	1	MALFUNCTION MANAGEMENT UNIT
	2	INTERFACE/ EXTENSION VIDEO BIU
	1	EMERGENCY PRE-EMPTION 4 CHANNEL PHASE SELECTOR
	1	EMERGENCY PRE-EMPTION SYSTEM CHASSIS

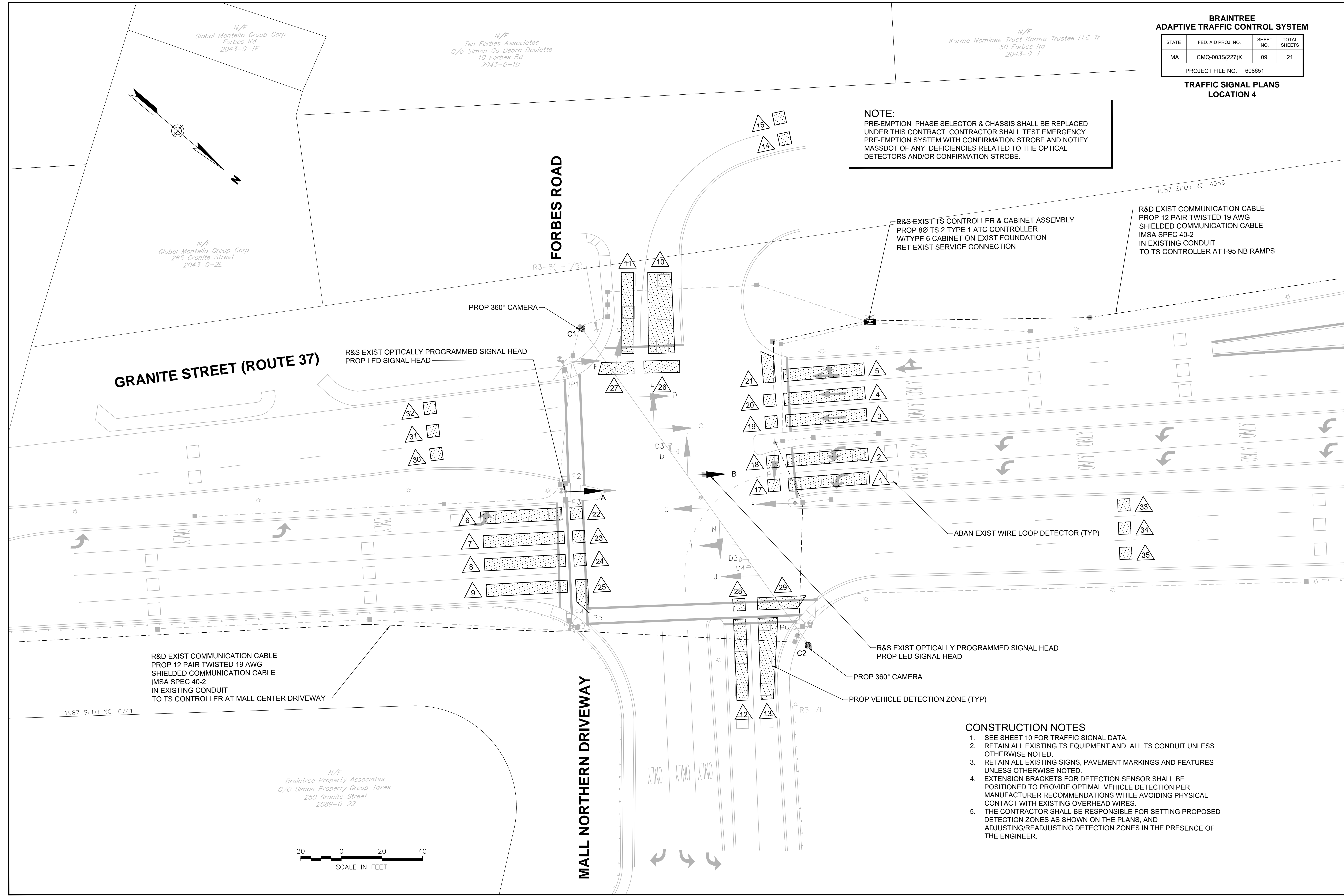
PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.

**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	09	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 4**

NOTE:
PRE-EMPTION PHASE SELECTOR & CHASSIS SHALL BE REPLACED UNDER THIS CONTRACT. CONTRACTOR SHALL TEST EMERGENCY PRE-EMPTION SYSTEM WITH CONFIRMATION STROBE AND NOTIFY MASSDOT OF ANY DEFICIENCIES RELATED TO THE OPTICAL DETECTORS AND/OR CONFIRMATION STROBE.



GRANITE STREET (ROUTE 37)

FORBES ROAD

MALL NORTHERN DRIVEWAY

- CONSTRUCTION NOTES**
1. SEE SHEET 10 FOR TRAFFIC SIGNAL DATA.
 2. RETAIN ALL EXISTING TS EQUIPMENT AND ALL TS CONDUIT UNLESS OTHERWISE NOTED.
 3. RETAIN ALL EXISTING SIGNS, PAVEMENT MARKINGS AND FEATURES UNLESS OTHERWISE NOTED.
 4. EXTENSION BRACKETS FOR DETECTION SENSOR SHALL BE POSITIONED TO PROVIDE OPTIMAL VEHICLE DETECTION PER MANUFACTURER RECOMMENDATIONS WHILE AVOIDING PHYSICAL CONTACT WITH EXISTING OVERHEAD WIRES.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.

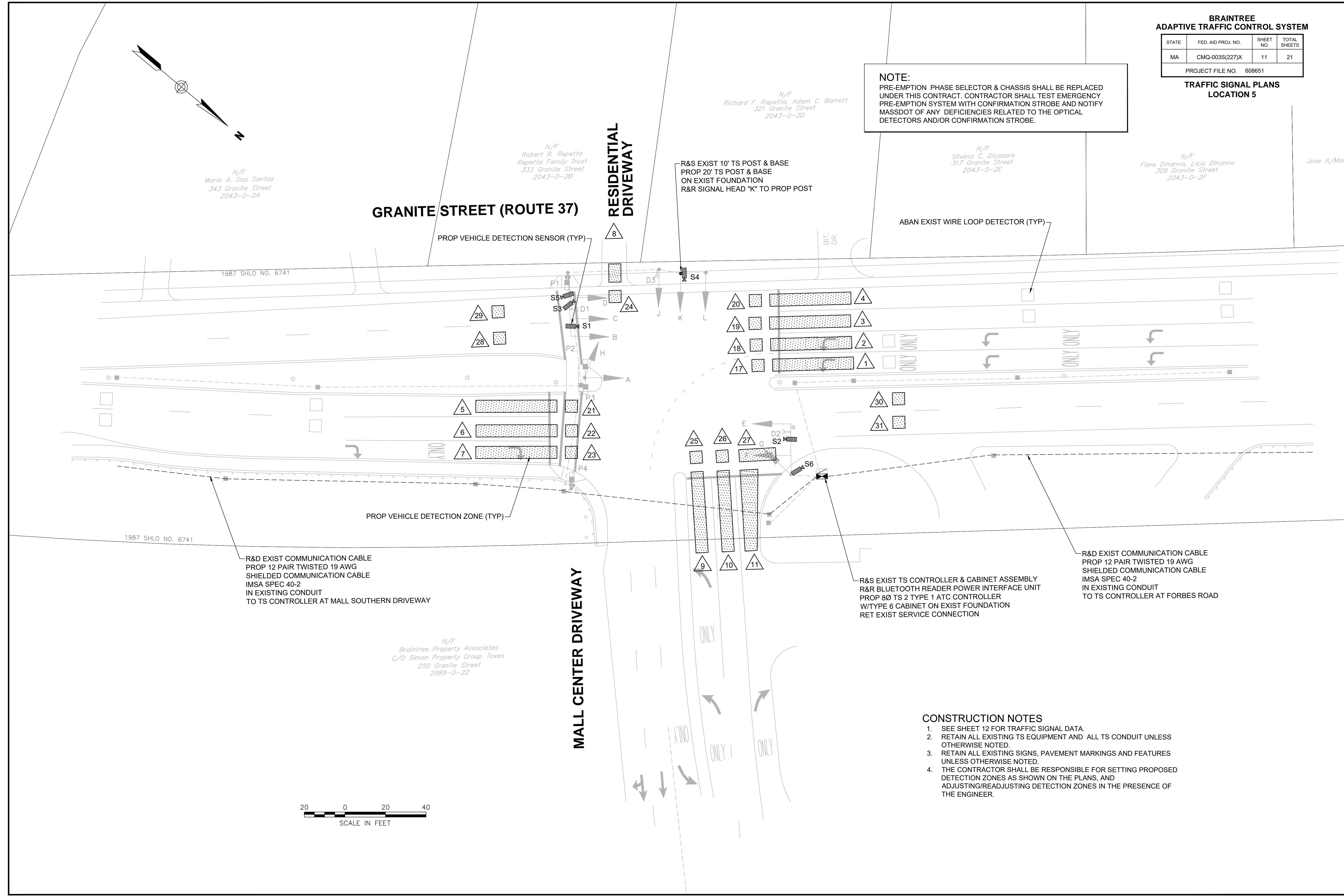


**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	11	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 5**

NOTE:
PRE-EMPTION PHASE SELECTOR & CHASSIS SHALL BE REPLACED UNDER THIS CONTRACT. CONTRACTOR SHALL TEST EMERGENCY PRE-EMPTION SYSTEM WITH CONFIRMATION STROBE AND NOTIFY MASSDOT OF ANY DEFICIENCIES RELATED TO THE OPTICAL DETECTORS AND/OR CONFIRMATION STROBE.



1987 SHLO NO. 6741

1987 SHLO NO. 6741

R&D EXIST COMMUNICATION CABLE
PROP 12 PAIR TWISTED 19 AWG
SHIELDED COMMUNICATION CABLE
IMSA SPEC 40-2
IN EXISTING CONDUIT
TO TS CONTROLLER AT MALL SOUTHERN DRIVEWAY

N/F
Braintree Property Associates
C/O Simon Property Group Taxes
250 Granite Street
2089-0-22



R&S EXIST TS CONTROLLER & CABINET ASSEMBLY
R&R BLUETOOTH READER POWER INTERFACE UNIT
PROP 80 TS 2 TYPE 1 ATC CONTROLLER
W/TYP 6 CABINET ON EXIST FOUNDATION
RET EXIST SERVICE CONNECTION

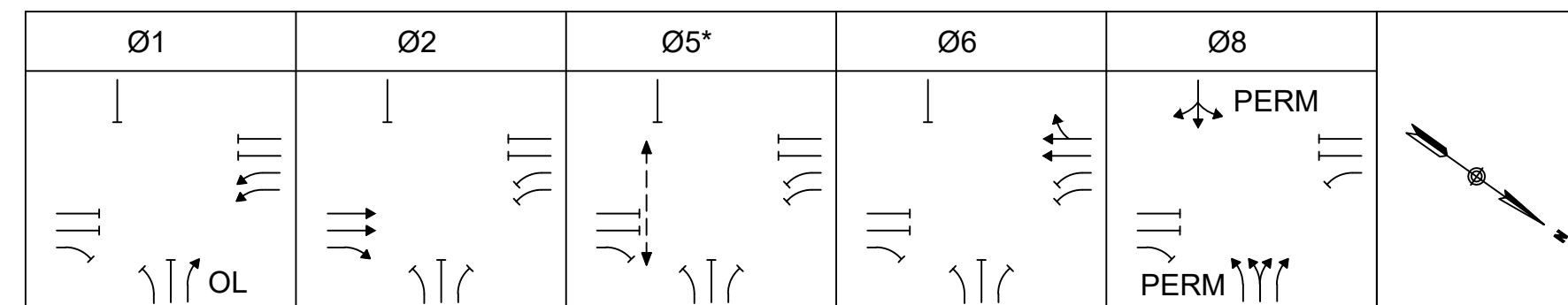
R&D EXIST COMMUNICATION CABLE
PROP 12 PAIR TWISTED 19 AWG
SHIELDED COMMUNICATION CABLE
IMSA SPEC 40-2
IN EXISTING CONDUIT
TO TS CONTROLLER AT FORBES ROAD

- CONSTRUCTION NOTES**
- SEE SHEET 12 FOR TRAFFIC SIGNAL DATA.
 - RETAIN ALL EXISTING TS EQUIPMENT AND ALL TS CONDUIT UNLESS OTHERWISE NOTED.
 - RETAIN ALL EXISTING SIGNS, PAVEMENT MARKINGS AND FEATURES UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.

**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	12	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 5**



SEQUENCE AND TIMING FOR FULLY ACTUATED CONTROL (COORDINATED)

APPROACH	DIRECTION	HOUSING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	FLASH
GRANITE STREET	SB	A,B	←G←	←Y←	←R←	←R←	←R←	←R←	←R←	←R←	←R←	←R←	←R←	←R←	←R←	←R←	←R←	FR
GRANITE STREET	SB	C,D	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
GRANITE STREET	NB	E	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
GRANITE STREET	NB	F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
RESIDENTIAL DRIVEWAY	EB	G,H	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
MALL CENTER DWY	WB	J,K	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
MALL CENTER DWY	WB	L	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
PEDESTRIAN	E-W	P1-P2,P3-P4	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	OUT

TIMING IN SECONDS

MINIMUM GREEN (INITIAL)	5			10								10				5		
PASSAGE TIME (VEHICLE)	2			2								2				2		
MAXIMUM 1	30			40								40				30		
MAXIMUM 2	30			40								40				30		
YELLOW CLEARANCE			3.5				4			4				4			3.5	
RED CLEARANCE				3.5				1							1			2.5
PEDESTRIAN INTERVAL									7/22									

CONFLICT FLASH OPERATION ONLY

DETECTOR MEMORY		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK		NON-LOCK		
RECALL		OFF		MIN		OFF		MIN		OFF		MIN		OFF		MIN		

COORDINATION DATA

TIMING PLAN	WEEKS	CYCLE	OFFSET	COORDINATION PHASE SPLIT TIMES				
				Ø1	Ø2	Ø5	Ø6	Ø8
1/1/1 M-F 0500-1200	1-53	110	50	19 (33)	76 (62)	- (33)	76 (62)	15 (15)
2/1/1 M-F 1200-2100	1-47	120	46	30 (33)	55 (52)	- (33)	85 (52)	35 (35)
3/1/1 SAT&SUN 1000-2100	1-47	100	2	33 (33)	38 (38)	- (33)	71 (38)	29 (29)
4/1/1 ALL 1200-2100	48-53	120	46	30 (33)	55 (52)	- (33)	85 (52)	35 (35)
21/1/1 ALL 0500-2100	1-53	60	23	15 (33)	30 (16)	- (33)	45 (16)	15 (11)
MODE				COORD Ø			COORD Ø	

- NOTES:**
- AUTOMATIC FLASHING OPERATION PER M.U.T.C.D.
 - * UPON PEDESTRIAN PUSH BUTTON ACTUATION
 - OL = OVERLAP
 - PERM = PERMISSIVE
 - MAXIMUM 1 = NORMAL OPERATION
 - MAXIMUM 2 = NOT USED
 - STOP AND GO OPERATION FOR 24 HOURS PER DAY. FLASHING OPERATION FOR EMERGENCY ONLY.
 - INHIBIT MAX TERMINATION SHALL BE IN EFFECT DURING COORDINATION.
 - OFFSET: BEGINNING OF Ø2 & Ø6 YELLOW
 - PLAN FORCE OFF SHALL BE IN EFFECT.
 - YIELD MODE SHALL BE IN EFFECT.
 - SPLIT TIMES EQUAL GREEN PLUS CLEARANCES.
 - FDW THRU YELLOW OPERATION SHALL NOT BE IN EFFECT.
 - (XX) SPLIT TIME WITH PEDESTRIAN PHASE ACTUATED.
 - COORDINATION SHALL BE PROGRAMMED SUCH THAT THE COORDINATED PHASE(S) IS NOT OPERATING UNDER ACTIVE CALL TO NON-ACTUATED (CNA). PEDESTRIAN DEMAND WILL BE CONDITIONALLY SERVICED BASED UPON PEDESTRIAN PUSH BUTTON ACTUATION ONLY.

PROPOSED PRE-EMPTION PHASING & PRIORITY

DETECTOR & PRIORITY	PRE-EMPT PHASE ASSIGNMENT	MOVEMENT	VEHICLE PHASE ASSIGNMENT
D1	1	←	Ø1&Ø6
D2	2	→	Ø2
D3	3	↕	Ø8

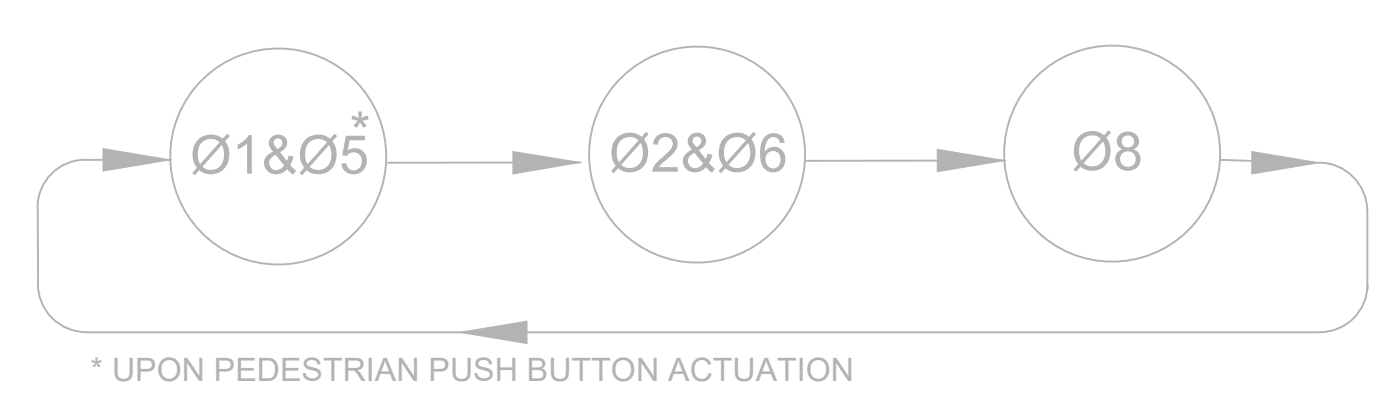
EMERGENCY VEHICLE PRE-EMPTION OPERATION

- EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE OPTICALLY TRANSMITTED BY OPTICAL EMITTERS MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT EACH INTERSECTION.
- PRE-EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH DETECTORS D1, D2 OR D3 ASSIGNED DESCENDING PRIORITIES AS FOLLOWS: (D1 HIGHEST AND D3 LOWEST)
- IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY OPTICAL DETECTOR D1 (OR D2, D3) THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD IN EMERGENCY VEHICLE PRE-EMPTION PHASE #1 (OR #2, #3) GREEN FOR A MINIMUM OF TEN (10) SECONDS OR UNTIL PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE-EMPTION PHASE CLEARANCES FOR THE ASSOCIATED PHASE(S) AS SHOWN IN THE SEQUENCE AND TIMING CHART AND SERVICE SUBSEQUENT EMERGENCY VEHICLE PRE-EMPTION PHASES AS NECESSARY.
- MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
- PRE-EMPTION STROBE SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PRE-EMPTION GREEN IS ON.
- EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE COORDINATION AND ADAPTIVE PROGRAMMING.

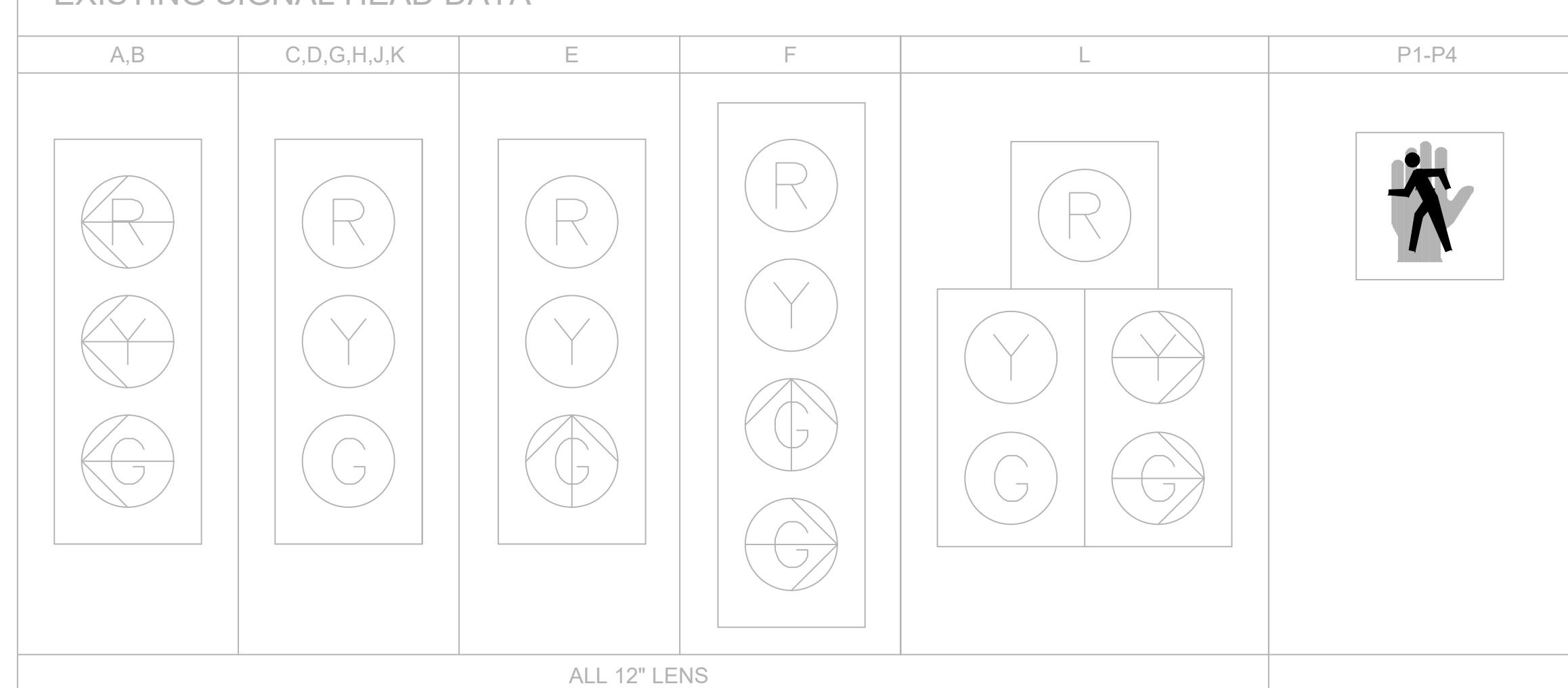
PROPOSED ADAPTIVE TRAFFIC CONTROL SETTINGS

INTERSECTION SETTINGS (ALL ENTRIES IN SECONDS)			
MIN CYCLE	MAX CYCLE	MAX CYCLE RATE OF CHANGE	MAX SPLIT RATE OF CHANGE
60	140	10	5

EXISTING PREFERENTIAL PHASE SEQUENCE



EXISTING SIGNAL HEAD DATA



LIST OF MAJOR ITEMS REQUIRED

PAY ITEM	QUANTITY	DESCRIPTION
	1	8Ø TS 2 TYPE 1 ATC CONTROLLER, W/INTERNAL ADAPTIVE CONTROL BY CYCLE/SPLIT/OFFSET W/TYPE 6 CABINET ON EXIST FOUNDATION
	1	20' TS POST STANDARD & BASE
	1	ADAPTIVE INTERSECTION LICENSE
	1	ETHERNET OVER COPPER ACCESS DEVICE, 8-PAIRS
816.05	1	VEHICLE DETECTION SYSTEM (6 SENSORS OR 2 360° CAMERAS, INTERFACE BOARD & CABLES)
	1	MALFUNCTION MANAGEMENT UNIT
	2	INTERFACE/ EXTENSION VIDEO BIU
	1	EMERGENCY PRE-EMPTION 4 CHANNEL PHASE SELECTOR
	1	EMERGENCY PRE-EMPTION SYSTEM CHASSIS

PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.

PROPOSED DETECTION DATA

DETECTION ZONE	APPROACH/LANE	CAMERA	DELAY /EXT	CALL PHASE	UTILIZATION PHASE
1	ROUTE 37 SB LEFT LANE (LEFT)	S1	0	Ø1	-
2	ROUTE 37 SB LEFT LANE (RIGHT)	S1	0	Ø1	-
3	ROUTE 37 SB THRU LANE	S1	0	Ø6	-
4	ROUTE 37 SB THRU/RIGHT LANE	S1	0	Ø6	-
5	ROUTE 37 NB THRU LANE (LEFT)	S2	0	Ø2	-
6	ROUTE 37 NB THRU LANE (RIGHT)	S2	0	Ø2	-
7	ROUTE 37 NB RIGHT LANE	S2	0	Ø2	-
8	RESIDENTIAL DWY EB	S3	5 SEC DELAY	Ø8	-
9	MALL CENTER DWY LEFT LANE	S4	0	Ø8	-
10	MALL CENTER DWY LEFT/RIGHT LANE	S4	0	Ø8	-
11	MALL CENTER DWY RIGHT LANE	S4	5 SEC DELAY	Ø8	-
17	ROUTE 37 SB LEFT LANE (LEFT)	S1	0	-	Ø1
18	ROUTE 37 SB LEFT LANE (RIGHT)	S1	0	-	Ø1
19	ROUTE 37 SB THRU LANE	S1	0	-	Ø6
20	ROUTE 37 SB THRU/RIGHT LANE	S1	0	-	Ø6
21	ROUTE 37 NB THRU LANE (LEFT)	S2	0	-	Ø2
22	ROUTE 37 NB THRU LANE (RIGHT)	S2	0	-	Ø2
23	ROUTE 37 NB RIGHT LANE	S2	0	-	Ø2
24	RESIDENTIAL DWY EB	S3	0	-	Ø8
25	MALL CENTER DWY LEFT LANE	S4	0	-	Ø8
26	MALL CENTER DWY LEFT/RIGHT LANE	S4	0	-	Ø8
27	MALL CENTER DWY RIGHT LANE	S4	0	-	Ø8
28	ROUTE 37 SB DEPARTURE (LEFT)	S5	0	-	SYSTEM
29	ROUTE 37 SB DEPARTURE (RIGHT)	S5	0	-	SYSTEM
30	ROUTE 37 NB DEPARTURE (LEFT)	S6	0	-	SYSTEM
31	ROUTE 37 NB DEPARTURE (RIGHT)	S6	0	-	SYSTEM

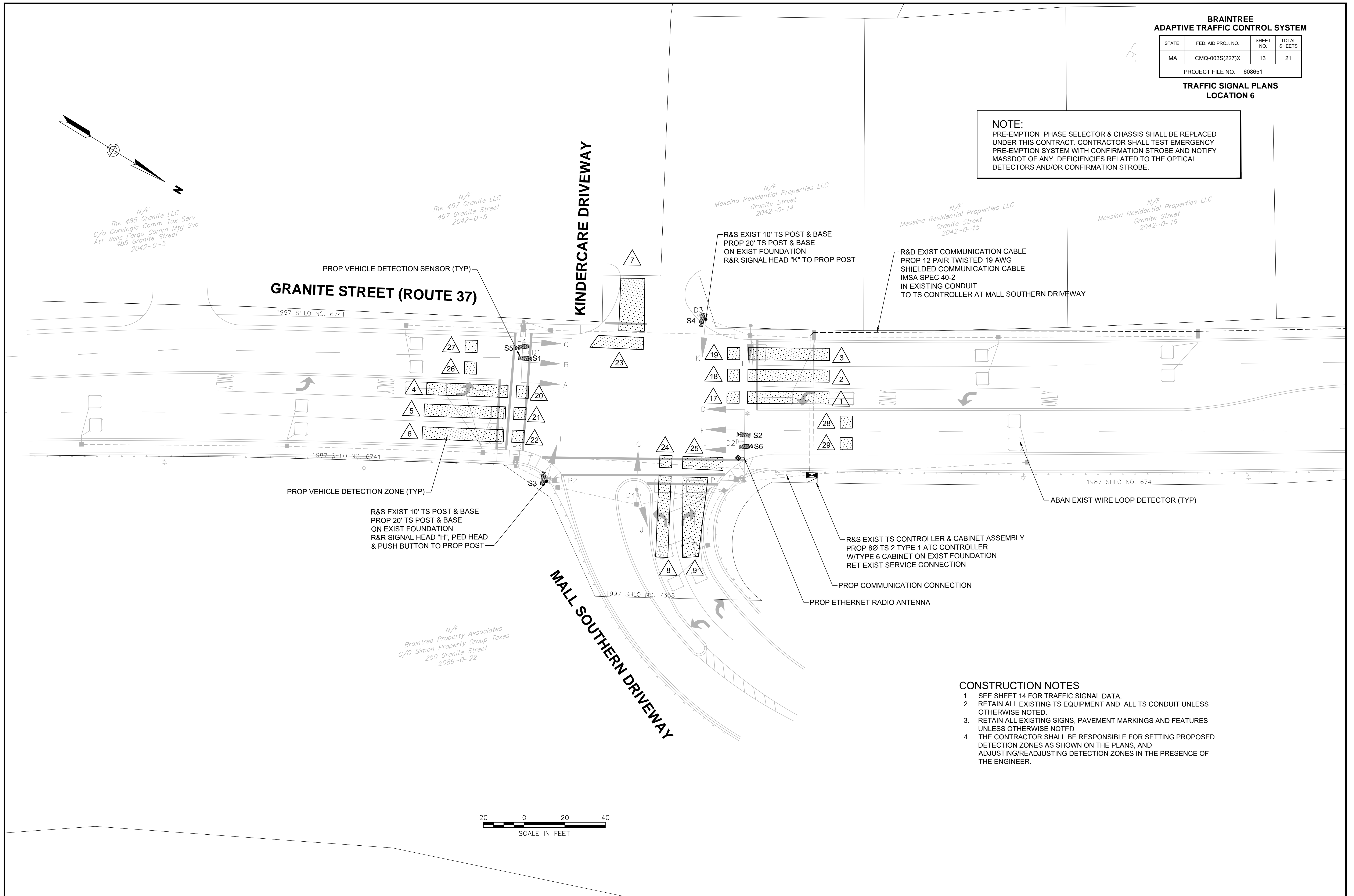
- NOTES:**
- DELAY AND EXTENSION TIMINGS SHALL BE PROGRAMMED IN THE CONTROLLER ONLY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.
 - DETECTION ZONES SHALL RECORD VOLUME AND OCCUPANCY.

**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	13	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 6**

NOTE:
PRE-EMPTION PHASE SELECTOR & CHASSIS SHALL BE REPLACED UNDER THIS CONTRACT. CONTRACTOR SHALL TEST EMERGENCY PRE-EMPTION SYSTEM WITH CONFIRMATION STROBE AND NOTIFY MASSDOT OF ANY DEFICIENCIES RELATED TO THE OPTICAL DETECTORS AND/OR CONFIRMATION STROBE.



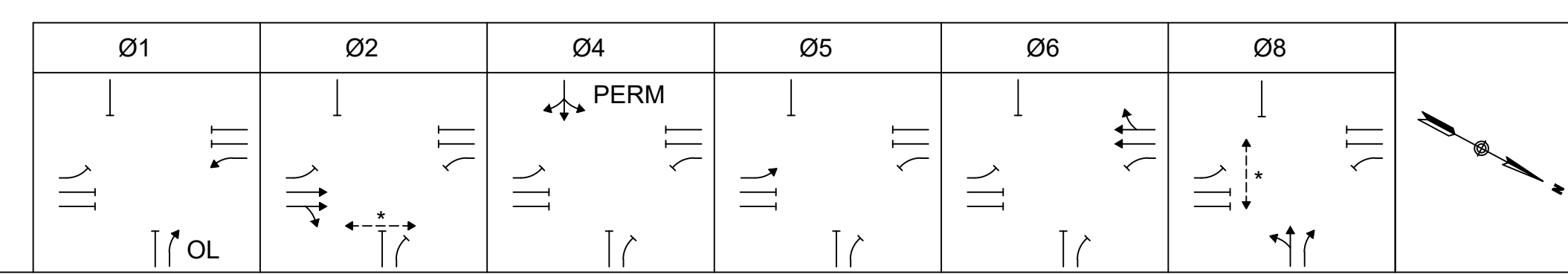
- CONSTRUCTION NOTES**
- SEE SHEET 14 FOR TRAFFIC SIGNAL DATA.
 - RETAIN ALL EXISTING TS EQUIPMENT AND ALL TS CONDUIT UNLESS OTHERWISE NOTED.
 - RETAIN ALL EXISTING SIGNS, PAVEMENT MARKINGS AND FEATURES UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.



**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	14	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 6**



SEQUENCE AND TIMING FOR FULLY ACTUATED CONTROL (COORDINATED)

APPROACH	DIRECTION	HOUSING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	FLASH	
GRANITE STREET	SB	A	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
GRANITE STREET	SB	B	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	FY
GRANITE STREET	SB	C	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	FY
GRANITE STREET	NB	D	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
GRANITE STREET	NB	E	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
GRANITE STREET	NB	F	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
KINDERCARE DRIVEWAY	EB	G,H	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
MALL SOUTHERN DWY	WB	J,K	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	FR
MALL SOUTHERN DWY	WB	L	R	G	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	FR
PEDESTRIAN	N-S	P1-P2	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT
PEDESTRIAN	E-W	P3-P4	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT

TIMING IN SECONDS

MINIMUM GREEN (INITIAL)	5			10			5					10					5				
PASSAGE TIME (VEHICLE)	2			2			2					2					2				
MAXIMUM 1	20			40			30					15				40					30
MAXIMUM 2	20			40			30					15				40					30
YELLOW CLEARANCE		3.5			4			4.5				3.5				4					4.5
RED CLEARANCE				3			1.5					2				1.5					2
PEDESTRIAN INTERVAL				7/20																	7/11

CONFLICT FLASH OPERATION ONLY

DETECTOR MEMORY	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK
RECALL	OFF	MIN	OFF	OFF	MIN	OFF

COORDINATION DATA

TIMING PLAN	WEEKS	CYCLE	OFFSET	Ø1	Ø2	Ø4	Ø5	Ø6	Ø8
1/1/1 M-F 0500-1200	1-53	110	0	20	70	20	20	70	20
2/1/1 M-F 1200-2100	1-47	120	0	13	65	42	13	65	42
3/1/1 SAT&SUN 1000-2100	1-47	100	0	13	59	28	13	59	28
4/1/1 ALL 1200-2100	48-53	120	0	13	65	42	13	65	42
21/1/1 ALL 0500-2100	1-53	60	0	15	30	15	15	30	15
MODE					COORD Ø			COORD Ø	

- NOTES:**
- AUTOMATIC FLASHING OPERATION PER M.U.T.C.D.
 - * UPON PEDESTRIAN PUSH BUTTON ACTUATION
 - OL = OVERLAP
 - PERM = PERMISSIVE
 - MAXIMUM 1 = NORMAL OPERATION
 - MAXIMUM 2 = NOT USED
 - Ø4 & Ø8 DUAL ENTRY
 - STOP AND GO OPERATION FOR 24 HOURS PER DAY. FLASHING OPERATION FOR EMERGENCY ONLY.
 - INHIBIT MAX TERMINATION SHALL BE IN EFFECT DURING COORDINATION.
 - OFFSET: BEGINNING OF Ø2 & Ø6 YELLOW
 - PLAN FORCE OFF SHALL BE IN EFFECT.
 - YIELD MODE SHALL BE IN EFFECT.
 - SPLIT TIMES EQUAL GREEN PLUS CLEARANCES.
 - FDW THRU YELLOW OPERATION SHALL NOT BE IN EFFECT.
 - WHEN A PEDESTRIAN PHASE IS ACTUATED THAT CANNOT BE ACCOMMODATED IN THE GIVEN SPLIT TIME, THE INTERSECTION SHALL DROP OUT OF COORDINATION.
 - COORDINATION SHALL BE PROGRAMMED SUCH THAT THE COORDINATED PHASE(S) IS NOT OPERATING UNDER ACTIVE CALL TO NON-ACTUATED (CNA). PEDESTRIAN DEMAND WILL BE CONDITIONALLY SERVICED BASED UPON PEDESTRIAN PUSH BUTTON ACTUATION ONLY.

PROPOSED PRE-EMPTION PHASING & PRIORITY

DETECTOR & PRIORITY	PRE-EMPT PHASE ASSIGNMENT	MOVEMENT	VEHICLE PHASE ASSIGNMENT
D1	1		Ø1&Ø6
D2	2		Ø2
D3	3		Ø4
D4	4		Ø8

- EMERGENCY VEHICLE PRE-EMPTION OPERATION**
- EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE OPTICALLY TRANSMITTED BY OPTICAL EMITTERS MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT EACH INTERSECTION.
 - PRE-EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH DETECTORS D1, D2, D3 OR D4 ASSIGNED DESCENDING PRIORITIES AS FOLLOWS: (D1 HIGHEST AND D4 LOWEST)
 - IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY OPTICAL DETECTOR D1 (OR D2, D3, D4) THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD IN EMERGENCY VEHICLE PRE-EMPTION PHASE #1 (OR #2, #3, #4) GREEN FOR A MINIMUM OF TEN (10) SECONDS OR UNTIL PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE-EMPTION PHASE CLEARANCES FOR THE ASSOCIATED PHASE(S) AS SHOWN IN THE SEQUENCE AND TIMING CHART AND SERVICE SUBSEQUENT EMERGENCY VEHICLE PRE-EMPTION PHASES AS NECESSARY.
 - MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
 - PRE-EMPTION STROBE SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PRE-EMPTION GREEN IS ON.
 - EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE COORDINATION AND ADAPTIVE PROGRAMMING.

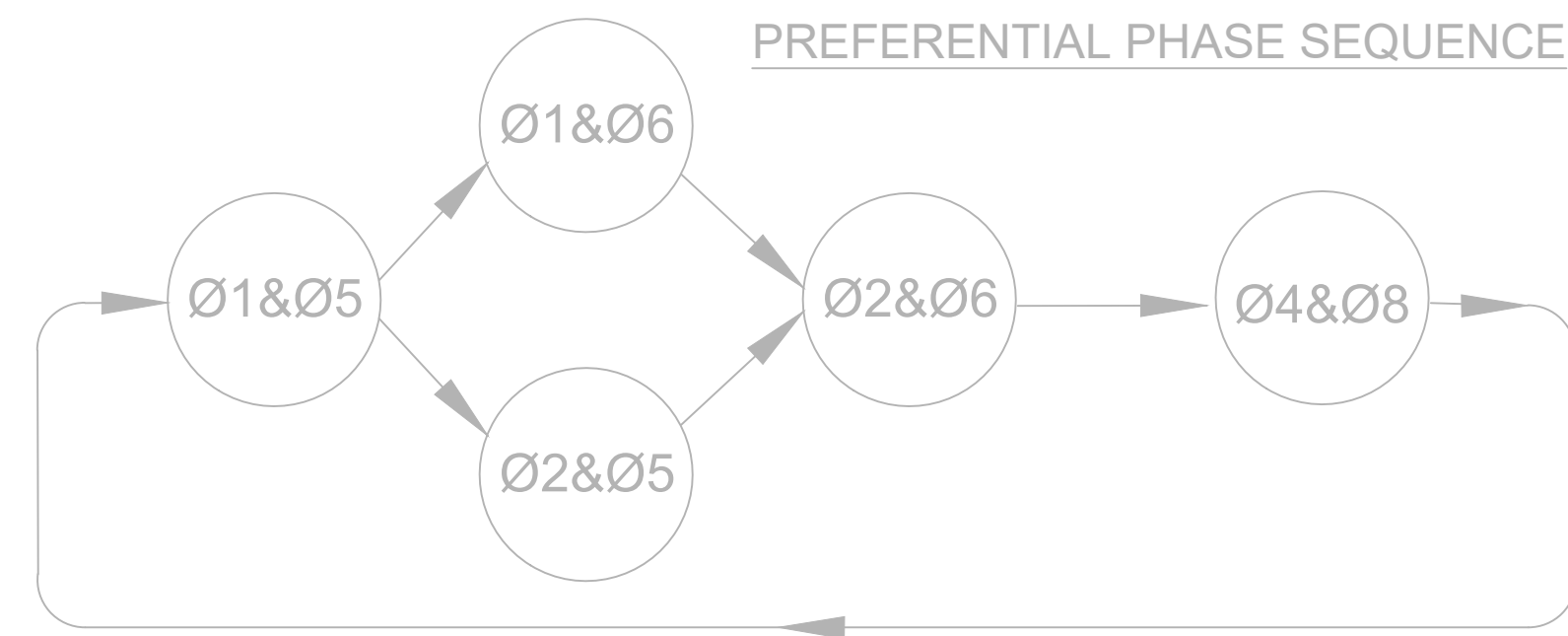
PROPOSED ADAPTIVE TRAFFIC CONTROL SETTINGS

INTERSECTION SETTINGS (ALL ENTRIES IN SECONDS)			
MIN CYCLE	MAX CYCLE	MAX CYCLE RATE OF CHANGE	MAX SPLIT RATE OF CHANGE
60	140	10	5

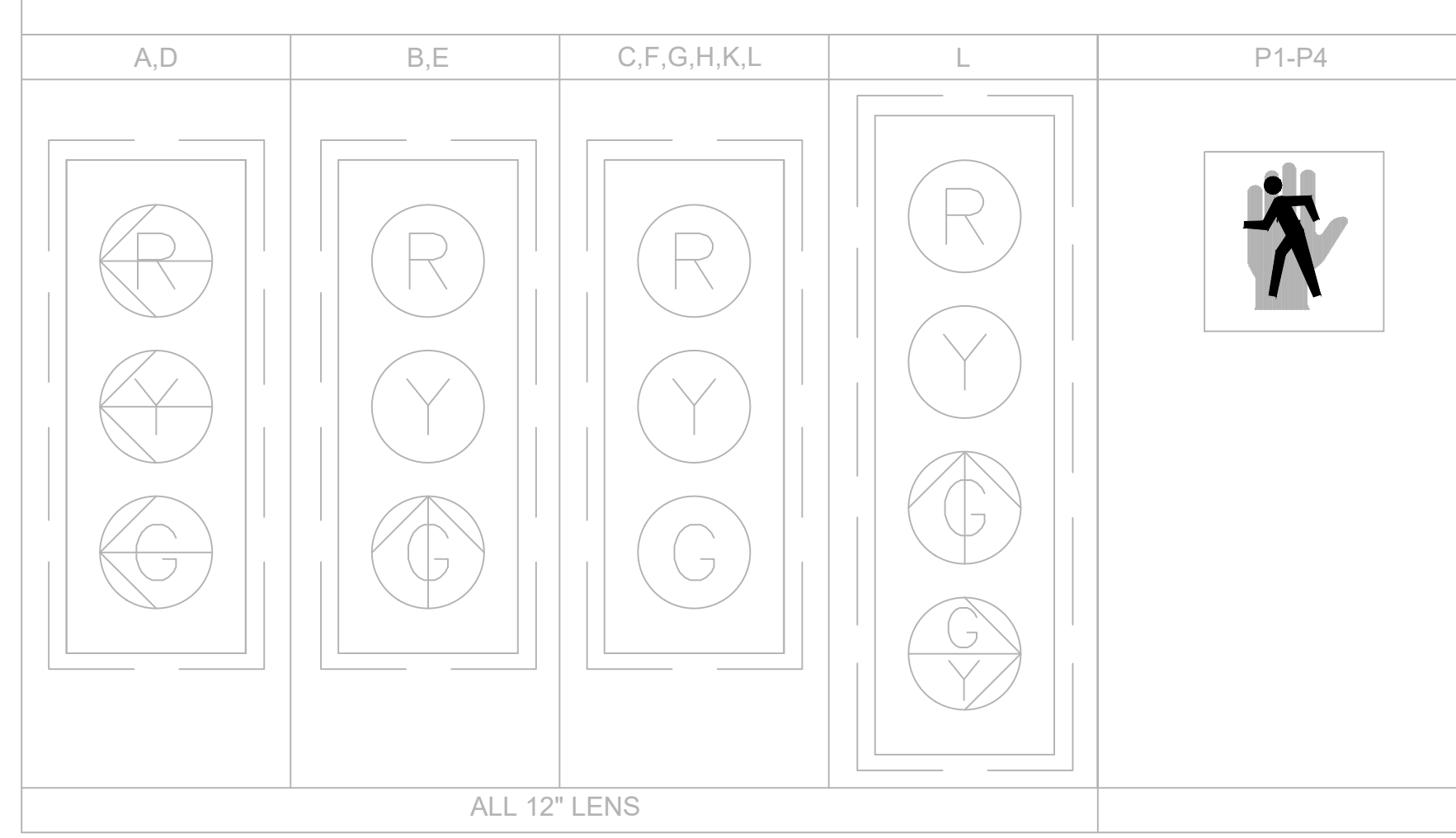
PROPOSED DETECTION DATA

DETECTION ZONE	APPROACH/LANE	CAMERA	DELAY /EXT	CALL PHASE	UTILIZATION PHASE
1	ROUTE 37 SB LEFT LANE	S1	0	Ø1	-
2	ROUTE 37 SB THRU LANE	S1	0	Ø6	-
3	ROUTE 37 SB THRU/RIGHT LANE	S1	0	Ø6	-
4	ROUTE 37 NB LEFT LANE	S2	0	Ø5	-
5	ROUTE 37 NB THRU LANE	S2	0	Ø2	-
6	ROUTE 37 NB THRU/RIGHT LANE	S2	0	Ø2	-
7	KINDERCARE DWY EB	S3	0	Ø4	-
8	MALL SOUTHERN DWY LEFT/THRU LANE	S4	0	Ø8	-
9	MALL CENTER DWY RIGHT LANE	S4	5 SEC DELAY	Ø8	-
17	ROUTE 37 SB LEFT LANE	S1	0	-	Ø1
18	ROUTE 37 SB THRU LANE	S1	0	-	Ø6
19	ROUTE 37 SB THRU/RIGHT LANE	S1	0	-	Ø6
20	ROUTE 37 NB LEFT LANE	S2	0	-	Ø5
21	ROUTE 37 NB THRU LANE	S2	0	-	Ø2
22	ROUTE 37 NB THRU/RIGHT LANE	S2	0	-	Ø2
23	KINDERCARE DWY EB	S3	0	-	Ø4
24	MALL SOUTHERN DWY LEFT/THRU LANE	S4	0	-	Ø8
25	MALL CENTER DWY RIGHT LANE	S4	0	-	Ø8
26	ROUTE 37 SB DEPARTURE (LEFT)	S5	0	-	SYSTEM
27	ROUTE 37 SB DEPARTURE (RIGHT)	S5	0	-	SYSTEM
28	ROUTE 37 NB DEPARTURE (LEFT)	S6	0	-	SYSTEM
29	ROUTE 37 NB DEPARTURE (RIGHT)	S6	0	-	SYSTEM

- NOTES:**
- DELAY AND EXTENSION TIMINGS SHALL BE PROGRAMMED IN THE CONTROLLER ONLY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/RE-ADJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.
 - DETECTION ZONES SHALL RECORD VOLUME AND OCCUPANCY.



EXISTING SIGNAL HEAD DATA



NOTE: SIGNAL HEADS A,B,C & K DO NOT HAVE BACKPLATES.

LIST OF MAJOR ITEMS REQUIRED

PAY ITEM	QUANTITY	DESCRIPTION
816.06	1	80 TS 2 TYPE 1 ATC CONTROLLER, W/INTERNAL ADAPTIVE CONTROL BY CYCLE/SPLIT/OFFSET W/TYP 6 CABINET ON EXIST FOUNDATION
	2	20' TS POST STANDARD & BASE
	1	ADAPTIVE INTERSECTION LICENSE
	1	ETHERNET OVER COPPER ACCESS DEVICE, 8-PAIRS
	1	VEHICLE DETECTION SYSTEM (6 SENSORS OR 2 360° CAMERAS, INTERFACE BOARD & CABLES)
	1	MALFUNCTION MANAGEMENT UNIT
	2	INTERFACE/ EXTENSION VIDEO BIU
	1	EMERGENCY PRE-EMPTION 4 CHANNEL PHASE SELECTOR
	1	EMERGENCY PRE-EMPTION SYSTEM CHASSIS
	1	WIRELESS COMMUNICATIONS SYSTEM (W/1 ANTENNA, 1 ETHERNET RADIO UNIT INTERFACE TO DSL CONNECTION & CABLES)
	1	HIGH SPEED COMMUNICATIONS CONVERTER & ROUTER

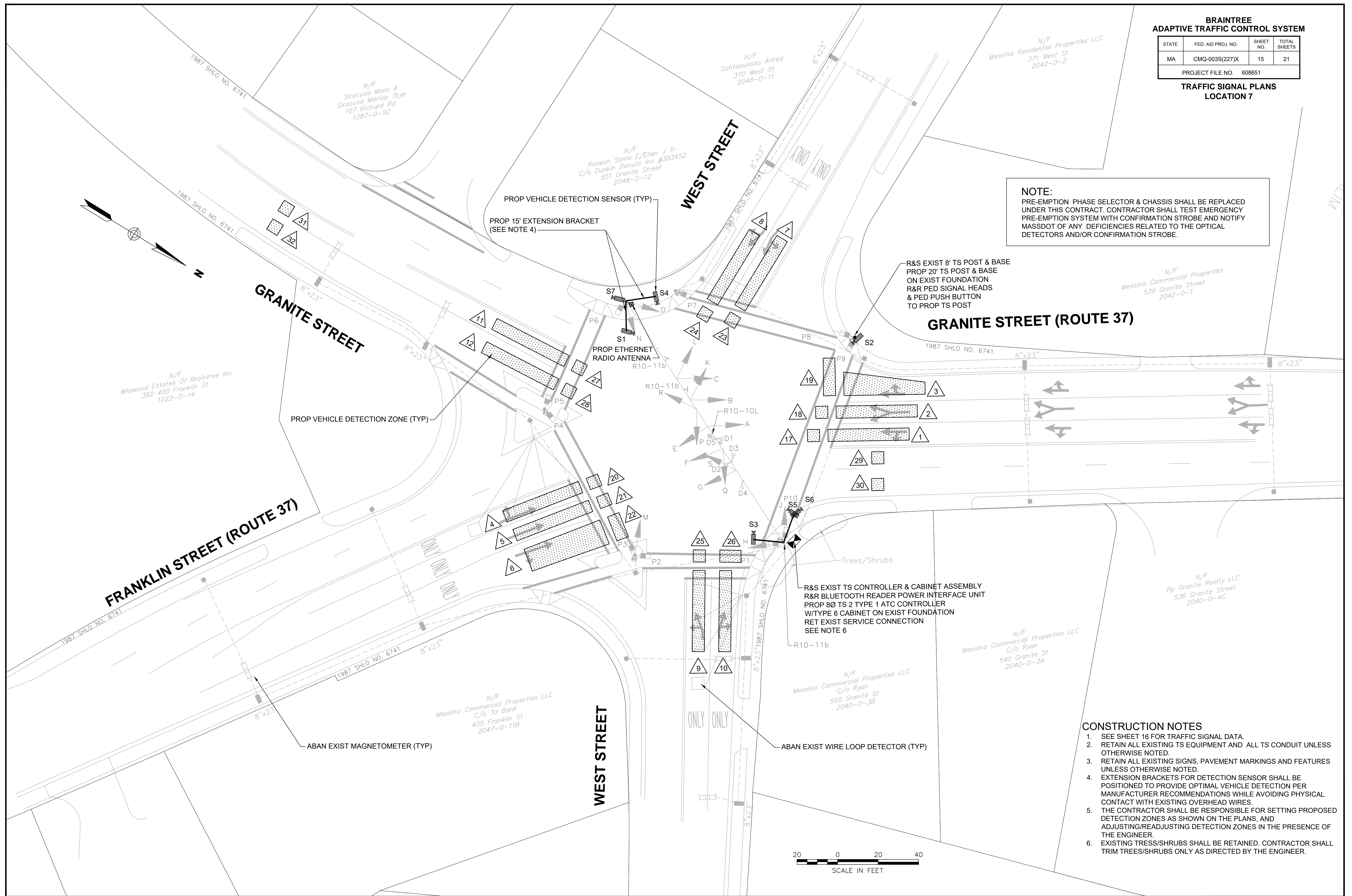
PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.

**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	15	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 7**

NOTE:
PRE-EMPTION PHASE SELECTOR & CHASSIS SHALL BE REPLACED UNDER THIS CONTRACT. CONTRACTOR SHALL TEST EMERGENCY PRE-EMPTION SYSTEM WITH CONFIRMATION STROBE AND NOTIFY MASSDOT OF ANY DEFICIENCIES RELATED TO THE OPTICAL DETECTORS AND/OR CONFIRMATION STROBE.



R&S EXIST 8' TS POST & BASE
PROP 20' TS POST & BASE
ON EXIST FOUNDATION
R&R PED SIGNAL HEADS
& PED PUSH BUTTON
TO PROP TS POST

GRANITE STREET (ROUTE 37)

R&S EXIST TS CONTROLLER & CABINET ASSEMBLY
R&R BLUETOOTH READER POWER INTERFACE UNIT
PROP 80' TS 2 TYPE 1 ATC CONTROLLER
W/TYP 6 CABINET ON EXIST FOUNDATION
RET EXIST SERVICE CONNECTION
SEE NOTE 6

CONSTRUCTION NOTES

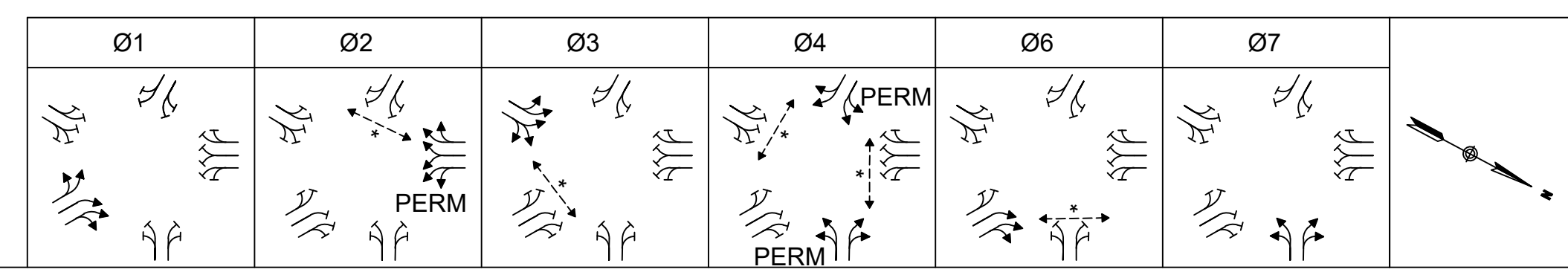
1. SEE SHEET 16 FOR TRAFFIC SIGNAL DATA.
2. RETAIN ALL EXISTING TS EQUIPMENT AND ALL TS CONDUIT UNLESS OTHERWISE NOTED.
3. RETAIN ALL EXISTING SIGNS, PAVEMENT MARKINGS AND FEATURES UNLESS OTHERWISE NOTED.
4. EXTENSION BRACKETS FOR DETECTION SENSOR SHALL BE POSITIONED TO PROVIDE OPTIMAL VEHICLE DETECTION PER MANUFACTURER RECOMMENDATIONS WHILE AVOIDING PHYSICAL CONTACT WITH EXISTING OVERHEAD WIRES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.
6. EXISTING TREES/SHRUBS SHALL BE RETAINED. CONTRACTOR SHALL TRIM TREES/SHRUBS ONLY AS DIRECTED BY THE ENGINEER.



**BRAINTREE
ADAPTIVE TRAFFIC CONTROL SYSTEM**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-003S(227)X	16	21
PROJECT FILE NO. 608651			

**TRAFFIC SIGNAL PLANS
LOCATION 7**



SEQUENCE AND TIMING FOR FULLY ACTUATED CONTROL (COORDINATED)

APPROACH	DIRECTION	HOUSING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	FLASH	
GRANITE STREET (RT 37)	SB	A,B,C,D	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
FRANKLIN STREET (RT 37)	NB	E	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
FRANKLIN STREET (RT 37)	NB	F,G,H	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	FR
WEST STREET	EB	J,K,L,M	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	FR
WEST STREET	WB	N,P	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	FR
WEST STREET	WB	Q	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	FR
GRANITE STREET	NEB	R,S	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	FR

PEDESTRIAN	N-S	P1-P2	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT
PEDESTRIAN	E-W	P7-P8	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT
PEDESTRIAN	E-W	P3-P4	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT
PEDESTRIAN	N-S	P5-P6,P9-P10	DW	DW	DW	DW	DW	DW	DW	DW	W/FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT

		TIMING IN SECONDS																				CONFLICT FLASH OPERATION ONLY	
MINIMUM GREEN (INITIAL)		5				5						5				5							
PASSAGE TIME (VEHICLE)		2				2					2				2								
MAXIMUM 1		15				35					30				20						35		15
MAXIMUM 2		15				35					30				20						35		15
DYNAMIC MAX		30				70					40				30						70		20
MAX STEP		5				5					5				5						5		5
YELLOW CLEARANCE			4				4					4			4.5								3
RED CLEARANCE				2				2					2				2						3.5
PEDESTRIAN INTERVAL						7/18					7/14				8/19								

DETECTOR MEMORY	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK
RECALL	OFF	MIN	OFF	OFF	MIN	OFF

COORDINATION DATA			COORDINATION PHASE SPLIT TIMES						
TIMING PLAN	WEEKS	CYCLE	OFFSET	01	02	03	04	06	07
1/1/1 M-F 0500-1200	1-53	110	86	17	32	24	21	49	16
2/1/1 M-F 1200-2100	1-47	120	10	16	50	20	21	66	13
3/1/1 SAT&SUN 1000-2100	1-47	100	2	12	33	21	21	45	13
4/1/1 ALL 1200-2100	48-53	120	10	16	50	20	21	66	13
21/1/1 ALL 0500-2100	1-53	60	10	11	13	12	13	24	11
MODE				COORD	0			COORD	0

- NOTES:**
- AUTOMATIC FLASHING OPERATION PER M.U.T.C.D..
 - * UPON PEDESTRIAN PUSH BUTTON ACTUATION
 - PERM = PERMISSIVE
 - MAXIMUM 1 = NORMAL OPERATION
 - MAXIMUM 2 = NOT USED
 - DYNAMIC MAX = ALL DAYS, 0500-2100.
 - STOP AND GO OPERATION FOR 24 HOURS PER DAY. FLASHING OPERATION FOR EMERGENCY ONLY.
 - INHIBIT MAX TERMINATION SHALL BE IN EFFECT DURING COORDINATION.
 - OFFSET: BEGINNING OF 02 & 06 YELLOW
 - PLAN FORCE OFF SHALL BE IN EFFECT.
 - YIELD MODE SHALL BE IN EFFECT.
 - SPLIT TIMES EQUAL GREEN PLUS CLEARANCES.
 - FDW THRU YELLOW OPERATION SHALL NOT BE IN EFFECT.
 - WHEN A PEDESTRIAN PHASE IS ACTUATED THAT CANNOT BE ACCOMMODATED IN THE GIVEN SPLIT TIME, THE INTERSECTION SHALL DROP OUT OF COORDINATION.
 - COORDINATION SHALL BE PROGRAMMED SUCH THAT THE COORDINATED PHASE(S) IS NOT OPERATING UNDER ACTIVE CALL TO NON-ACTUATED (CNA). PEDESTRIAN DEMAND WILL BE CONDITIONALLY SERVICED BASED UPON PEDESTRIAN PUSH BUTTON ACTUATION ONLY.

NOTE:
CONTRACTOR SHALL PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ON WEST STREET BEFORE THE PREFERENTIAL PHASE SEQUENCE IS CHANGED PER THE TYPICAL "PCMS SIGNS - FIVE CORNERS" DETAIL SHOWN ON SHEET 19.

PROPOSED PRE-EMPTION PHASING & PRIORITY

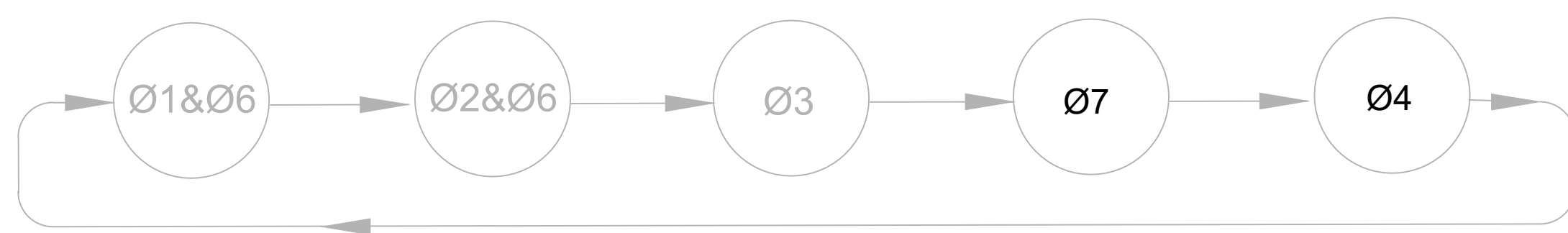
DETECTOR & PRIORITY	PRE-EMPT PHASE ASSIGNMENT	MOVEMENT	VEHICLE PHASE ASSIGNMENT
D1	1		02
D2	2		01&06
D3	3		04
D4	4		07
D5	5		03

- EMERGENCY VEHICLE PRE-EMPTION OPERATION**
- EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE OPTICALLY TRANSMITTED BY OPTICAL EMITTERS MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT EACH INTERSECTION.
 - PRE-EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH DETECTORS D1, D2, D3, D4 OR D5 ASSIGNED DESCENDING PRIORITIES AS FOLLOWS: (D1 HIGHEST AND D5 LOWEST)
 - IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY OPTICAL DETECTOR D1 (OR D2, D3, D4, D5) THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD IN EMERGENCY VEHICLE PRE-EMPTION PHASE #1 (OR #2, #3, #4, #5) GREEN FOR A MINIMUM OF TEN (10) SECONDS OR UNTIL PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE-EMPTION PHASE CLEARANCES FOR THE ASSOCIATED PHASE(S) AS SHOWN IN THE SEQUENCE AND TIMING CHART AND SERVICE SUBSEQUENT EMERGENCY VEHICLE PRE-EMPTION PHASES AS NECESSARY.
 - MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
 - PRE-EMPTION STROBE SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PRE-EMPTION GREEN IS ON.
 - EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE COORDINATION AND ADAPTIVE PROGRAMMING.

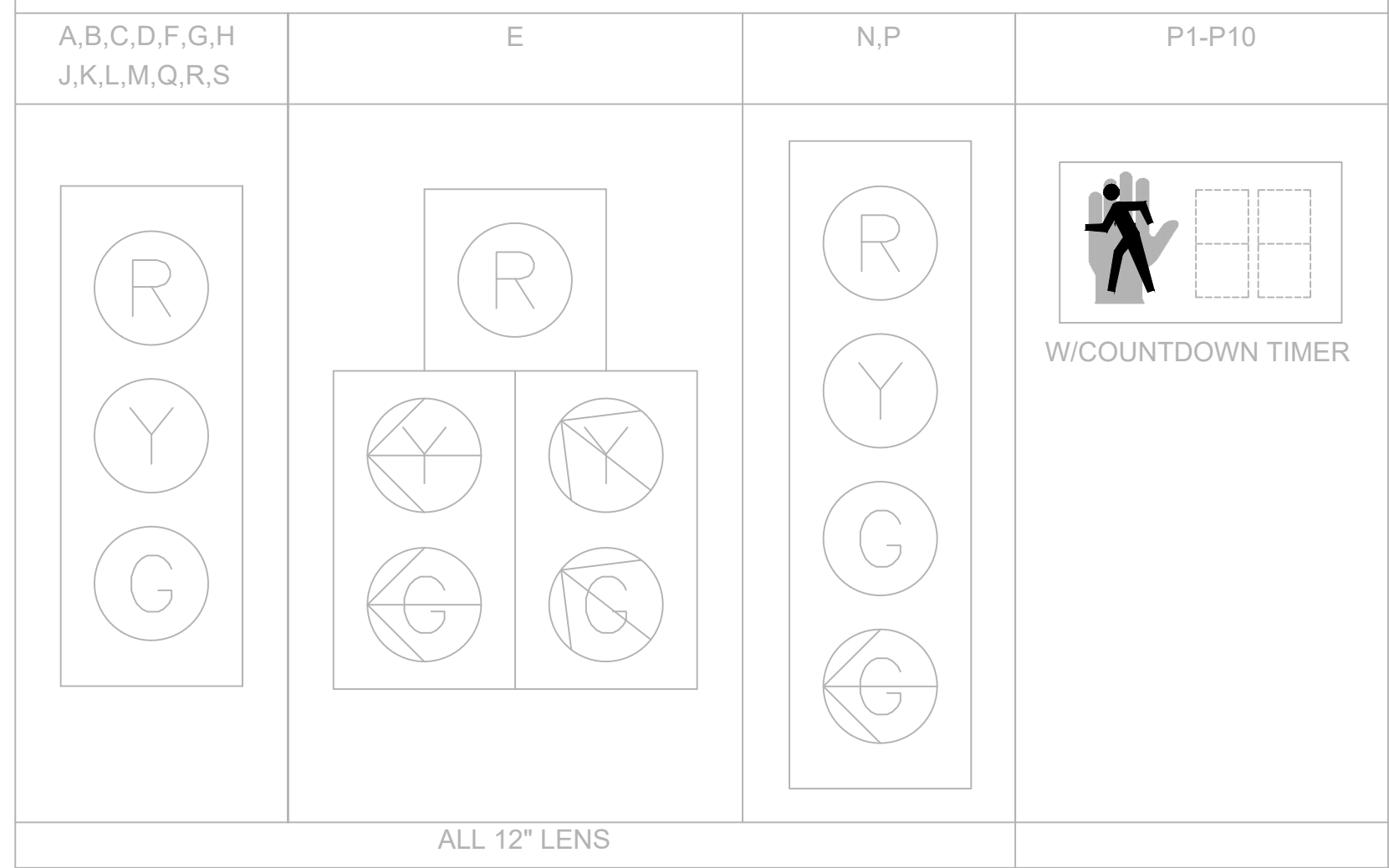
PROPOSED ADAPTIVE TRAFFIC CONTROL SETTINGS

INTERSECTION SETTINGS (ALL ENTRIES IN SECONDS)			
MIN CYCLE	MAX CYCLE	MAX CYCLE RATE OF CHANGE	MAX SPLIT RATE OF CHANGE
60	140	10	5

PROPOSED/EXISTING PREFERENTIAL PHASE SEQUENCE



EXISTING SIGNAL HEAD DATA



LIST OF MAJOR ITEMS REQUIRED

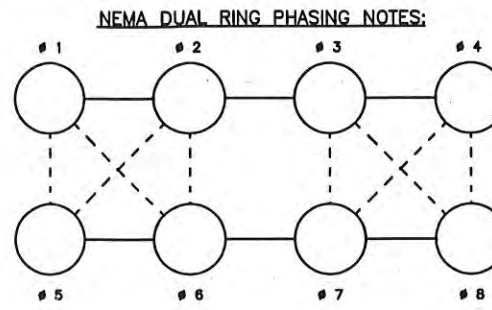
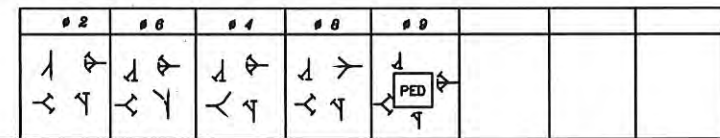
PAY ITEM	QUANTITY	DESCRIPTION
GRANITE STREET (ROUTE 37) AT FRANKLIN STREET & WEST STREET (FIVE CORNERS)		
	1	80 TS 2 TYPE 1 ATC CONTROLLER, W/INTERNAL ADAPTIVE CONTROL BY CYCLE/SPLIT/OFFSET W/TYPE 6 CABINET ON EXIST FOUNDATION
	1	20' TS POST STANDARD & BASE
	1	ADAPTIVE INTERSECTION LICENSE
	1	ETHERNET OVER COPPER ACCESS DEVICE, 8-PAIRS
816.07	1	VEHICLE DETECTION SYSTEM (7 SENSORS OR 2 360" CAMERAS, INTERFACE BOARD & CABLES)
	1	MALFUNCTION MANAGEMENT UNIT
	3	INTERFACE/ EXTENSION VIDEO BIU
	2	EMERGENCY PRE-EMPTION 4 CHANNEL PHASE SELECTOR
	2	EMERGENCY PRE-EMPTION SYSTEM CHASSIS
	1	WIRELESS COMMUNICATIONS SYSTEM (W/1 ANTENNA, 1 ETHERNET RADIO UNIT INTERFACE TO DSL CONNECTION & CABLES)

PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.

PROPOSED DETECTION DATA

DETECTION ZONE	APPROACH/LANE	CAMERA	DELAY /EXT	CALL PHASE	UTILIZATION PHASE
1	ROUTE 37 SB LEFT-THRU LANE	S1	0	02	-
2	ROUTE 37 SB THRU-RIGHT LANE	S1	0	02	-
3	ROUTE 37 SB RIGHT LANE	S1	0	02	-
4	ROUTE 37 NB LEFT LANE	S2	0	01	-
5	ROUTE 37 NB THRU LANE	S2	0	06	-
6	ROUTE 37 NB THRU-RIGHT LANE	S2	0	06	-
7	WEST STREET EB LEFT-THRU LANE	S3	0	04	-
8	WEST STREET EB THRU-RIGHT LANE	S3	0	04	-
9	WEST STREET WB LEFT-THRU LANE	S4	0	07	-
10	WEST STREET WB THRU-RIGHT LANE	S4	0	04	-
11	GRANITE STREET NEB LEFT-THRU LANE	S5	0	03	-
12	GRANITE STREET NEB THRU-RIGHT-LANE	S5	0	03	-
17	ROUTE 37 SB LEFT-THRU LANE	S1	0	-	02
18	ROUTE 37 SB THRU-RIGHT LANE	S1	0	-	02
19	ROUTE 37 SB RIGHT LANE	S1	0	-	02
20	ROUTE 37 NB LEFT LANE	S2	0	-	01
21	ROUTE 37 NB THRU LANE	S2	0	-	06
22	ROUTE 37 NB THRU-RIGHT LANE	S2	0	-	06
23	WEST STREET EB LEFT-THRU LANE	S3	0	-	04
24	WEST STREET EB THRU-RIGHT LANE	S3	0	-	04
25	WEST STREET WB LEFT-THRU LANE	S4	0	-	07
26	WEST STREET WB THRU-RIGHT LANE	S4	0	-	04
27	GRANITE STREET NEB LEFT-THRU LANE	S5	0	-	03
28	GRANITE STREET NEB THRU-RIGHT-LANE	S5	0	-	03
29	ROUTE 37 NB DEPARTURE (LEFT)	S6	0	-	COUNTING
30	ROUTE 37 NB DEPARTURE (RIGHT)	S6	0	-	COUNTING
31	GRANITE STREET NEB LEFT-THRU LANE	S7	0	-	SYSTEM
32	GRANITE STREET NEB THRU-RIGHT-LANE	S7	0	-	SYSTEM

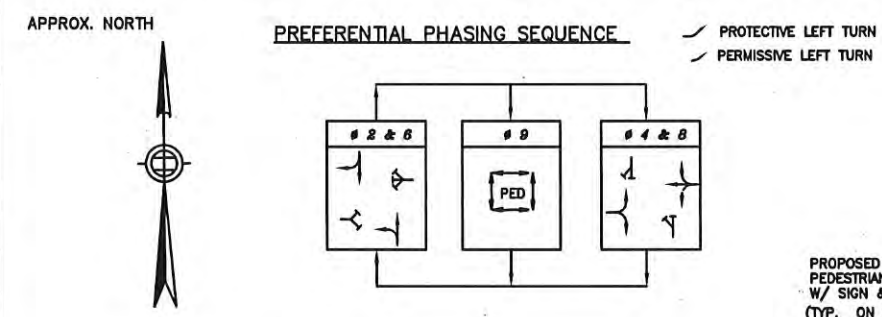
- NOTES:**
- DELAY AND EXTENSION TIMINGS SHALL BE PROGRAMMED IN THE CONTROLLER ONLY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING PROPOSED DETECTION ZONES AS SHOWN ON THE PLANS, AND ADJUSTING/READJUSTING DETECTION ZONES IN THE PRESENCE OF THE ENGINEER.
 - DETECTION ZONES SHALL RECORD VOLUME AND OCCUPANCY.



		SEQUENCE AND TIMING																			
APPROACH	DIRECTION	HOUSING	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	FLASHING OPERATION	HOUSING TO EMERGENCY		
MINIMUM INTERVAL			10			10			10			10			10						
PASSAGE			3			3			3			3			3						
MAXIMUM 1			40			40			20			20									
MAXIMUM 2																					
YELLOW CLEARANCE				4			4			4			4								
RED CLEARANCE					2			2			2			2							
PEDESTRIAN																		7 10 1			
RTE. 37 NB	A, B	G, Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR				
RTE. 37 SB	C, D	R, R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR				
SAFFORD ST. EB	E, F	R, R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR				
SUMMER ST. WB	G, H	R, R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR				
PEDESTRIAN	ALL		DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW		OFF		
MEMORY			NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	LOCK	LOCK					
RECALL			SOFT	SOFT	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF					

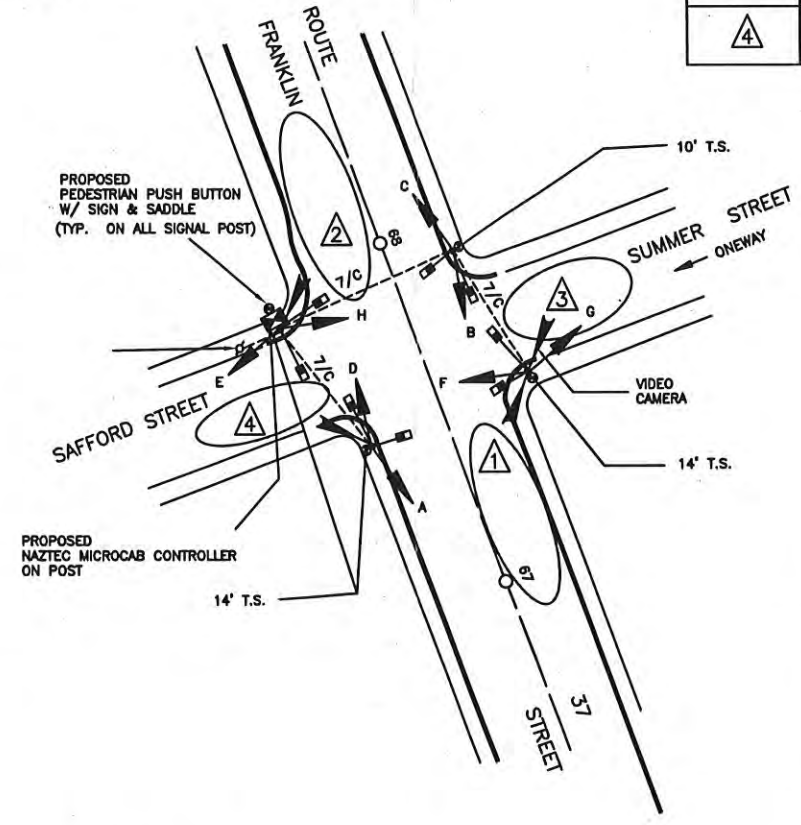
- DETECTOR NOTES:**
- SEE DETECTOR DETAIL SHEET FROM DESIGN DOCUMENT FOR OTHER INFORMATION.
 - DELAY AND EXTENSION TIMES ARE IN SECONDS.
 - DELAY TIME SHALL BE EFFECTIVE ONLY DURING THE RED PORTION OF THE PHASE THAT IS CALLED BY THE DETECTOR.

DETECTOR DATA					
DET. ID.	DETECTION AREA SIZE	CALL DELAY	CALL PHASE	EXTEND	OPERATION
1	VIDEO CAMERA	0	ϕ 6	-	PRESENCE
2	VIDEO CAMERA	0	ϕ 2	-	PRESENCE
3	VIDEO CAMERA	0	ϕ 8	-	PRESENCE
4	VIDEO CAMERA	0	ϕ 4	-	PRESENCE

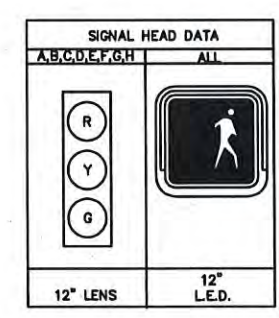


TRAFFIC CONTROL SIGNALS MAJOR ITEMS REQUIRED	
QUAN.	DESCRIPTION
1	NAZTEC, MICROCAB CONTROLLER MODEL MC 682 POST MOUNTED 8-ϕ CABINET
4	VIDEO CAMERA - TRAFFICAM 2nd Generation
8	SIGNAL HEAD, 1-WAY, 3 SECTION, 12" LENS W/ L.E.D. SIGNAL LENSES.
1	10 FT. SIGNAL POST & BASE
3	14 FT. SIGNAL POST & BASE
8	PEDESTRIAN SIGNAL HEADS-12" L.E.D.
4	PEDESTRIAN PUSH BUTTON, SIGN AND SADDLE
1 L.S.	R&S ALL EXIST. T.S. EQUIPMENT

PLUS ALL MISC. EQUIPMENT, CABLE, DUCT, LABOR & INCIDENTALS NECESSARY TO PROVIDE A COMPLETE OPERATING TRAFFIC CONTROL SIGNAL.



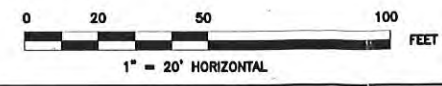
- NOTES:**
- SEQUENCE AND TIMING NOTES:**
- NEMA DUAL RING PHASING NOTES:**
- PHASES ASSOCIATED BY A SOLID LINE SHALL NOT OPERATE CONCURRENTLY.
 - PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.
 - THROUGH MOVEMENTS MAY INCLUDE RIGHT TURNS.
 - IF THE ASSIGNED RIGHT OF WAY FOR ANY TRAFFIC MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT TRAFFIC MOVEMENT SHALL NOT CHANGE DURING THE CHANGE INTERVAL(S) UNLESS OTHERWISE NOTED.



LEGEND

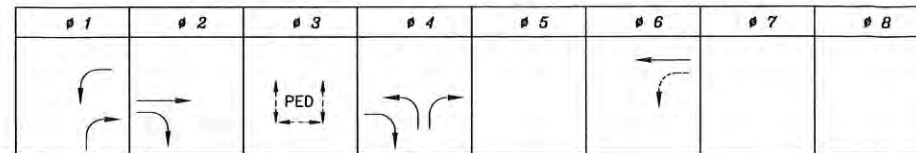
- SIGNAL CONTROLLER
- VEHICULAR SIGNAL
- VIDEO DETECTOR
- FIRE PRE-EMPTION RECEIVER
- FIRE PRE-EMPTION STROBE LIGHT
- PEDESTRIAN SIGNAL
- PEDESTRIAN PUSH BUTTON
- PULL BOX

APPROVED BY: _____
STATE TRAFFIC ENGINEER Date



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APPROX. NORTH



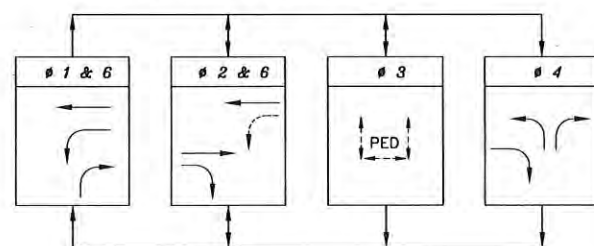
SEQUENCE AND TIMING FOR FULL ACTUATED CONTROL (ISOLATED)

STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	FLASH OPER
WASHINGTON ST (RTE. 37)	NB	C	R	R	R	G	Y	R	R	R		GR	YR	R				R	R	R						FY	
WASHINGTON ST (RTE. 37)	NB	D	R	R	R	G	Y	R	R	R		R	R	R				R	R	R						FY	
FRANKLIN STREET (RTE. 37)	SB	A	R	R	R	R	R	R	R	R		R	R	R				G	Y	R						FY	
FRANKLIN STREET (RTE. 37)	SB	B	GL	YL	R	R	R	R	R	R		R	R	R				G	Y	R						FR	
WASHINGTON ST.	WB	E	R	R	R	R	R	R	R	R		G	Y	R				R	R	R						FR	
WASHINGTON ST.	WB	F	GR	YR	R	R	R	R	R	R		G	Y	R				R	R	R						FR	
PEDESTRIAN	ALL	ALL	DW	DW	DW	DW	DW	DW	W	FDW		DW	DW	DW				DW	DW	DW						OFF	

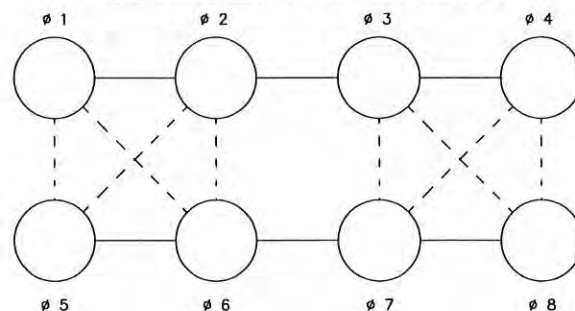
TIMING IN SECONDS

MINIMUM GREEN (INITIAL)	5			15								10						15								EMERGENCY ONLY
PASSAGE TIME (VEHICLE)	2			3								2						3								
MAXIMUM 1	8			30								16						30								
MAXIMUM 2	8			30								16						30								
YELLOW CLEARANCE		4			4								4						4							
RED CLEARANCE			1			1								1						1						
WALK (W)									7																	
PEDESTRIAN CLEARANCE										16																
RECALL		OFF		SOFT		OFF		OFF				SOFT														
MEMORY		LOCKING		NON-LOCKING		LOCKING		NON-LOCKING				NON-LOCKING														

PREFERENTIAL PHASING SEQUENCE



NEMA DUAL RING PHASING NOTES:



EMERGENCY PRE-EMPTION DATA

APPROACH	PHASE	TIME (SEC)
RTE 37 SB	1&6	MIN 10. MAX 120
RTE 37 NB	2	MIN 10 MAX 120
WASHINGTON ST	4	MIN 10 MAX 120

MAJOR ITEMS REQUIRED

QUANTITY	ITEM
1	CONTROLLER TYPE BDW, CAB.& FDN.
1	SERVICE CONNECTION, TYPE OVERHEAD
2	MAST ARM ASSEMBLY, BASE & FDN.
1	10' SIGNAL POLE, BASE, & FDN.
2	8' SIGNAL POLE, BASE & FDN.
3	1 WAY, 3 SECTION, SIGNAL HOUSING (12" LENS)
3	1 WAY, 5 SECTION, SIGNAL HOUSING (12" LENS)
6	PEDESTRIAN HOUSING, FIBER OPTIC
4	PEDESTRIAN PUSH BUTTON, SIGN & SADDLES
3	DUAL CHANNEL LOOP DETECTOR AMPLIFIER
24	ROADWAY LOOP DETECTOR
10	12" X 12" PULL BOX
3	OPTICOM RECEIVERS
2	OPTICOM DUAL CHANNEL PHASE SELECTOR
1	14.4K MODEM

Necessary duct, cable, labor, miscellaneous material and equipment to complete the installation.

NOTES:

SEQUENCE AND TIMING NOTES:

NEMA DUAL RING PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE SHALL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.
- THROUGH MOVEMENTS MAY INCLUDE RIGHT TURNS.
- IF THE ASSIGNED RIGHT OF WAY FOR ANY TRAFFIC MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT TRAFFIC MOVEMENT SHALL NOT CHANGE DURING THE CHANGE INTERVAL(S) UNLESS OTHERWISE NOTED.

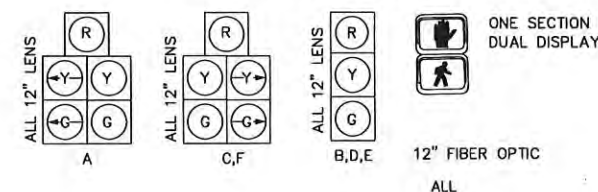
LOOP DETECTOR NOTES:

- SEE LOOP DETECTOR DETAIL SHEET FROM DESIGN DOCUMENT FOR SPLICE PATTERN AND OTHER INFORMATION.
- DELAY AND EXTENSION TIMES ARE IN SECONDS.
- DELAY TIME SHALL BE EFFECTIVE ONLY DURING THE RED PORTION OF THE PHASE THAT IS CALLED BY THE DETECTOR.

LOOP DETECTOR DATA

DETECTOR NUMBER	NUMBER OF SEGMENTS	LOOP SIZE	NUM. OF TURNS	φ CALLED	φ EXT.	MODE PULSE PRESENCE	DELAY TIME	EXT. TIME
①	4	6'x6'		φ6	φ6	PRESENCE		
②	4	6'x6'		φ1	φ1	PRESENCE		
③	4	6'x6'		φ4	φ4	PRESENCE		
④	4	6'x6'		φ2	φ2	PRESENCE		
⑤	4	6'x6'		φ2	φ2	PRESENCE		
⑥	4	6'x6'		φ4	φ4	PRESENCE		

SIGNAL IDENTIFICATION



CONTROLLER MAKE & MODEL: EPAC 300 GENESIS
 UTILITY POLE No. BEL DEPT 1
 METER No. 97 917 894
 EMERGENCY PRE-EMPTION (TYPE): OPTICOM

APPROVED BY:

STATE TRAFFIC ENGINEER

Date

SKETCH LOCATION OF TRAFFIC CONTROL SIGNALS

COMMONWEALTH OF MASSACHUSETTS
 MASSACHUSETTS HIGHWAY DEPARTMENT
 10 PARK PLAZA BOSTON, MA.

CITY: Town of Braintree
 LOCATION: Washington Street at Pond Street
 and Frederick Road
 Date: 10-17-1995 Permit No.: MB-040-2384

* YIELD CONTROL - NO SIGNAL

FULLY-ACTUATED <input checked="" type="checkbox"/>	COORDINATED <input checked="" type="checkbox"/>	$\emptyset 1$	$\emptyset 2$	$\emptyset 3$	$\emptyset 4$
SEMI-ACTUATED <input type="checkbox"/>	WIRE <input type="checkbox"/>	* ↓	* ↓	* ↓	* ↓
PRE-TIMED <input type="checkbox"/>	TBCU <input checked="" type="checkbox"/>	↑ ↓	↑ ↓	↑ ↓	↑ ↓

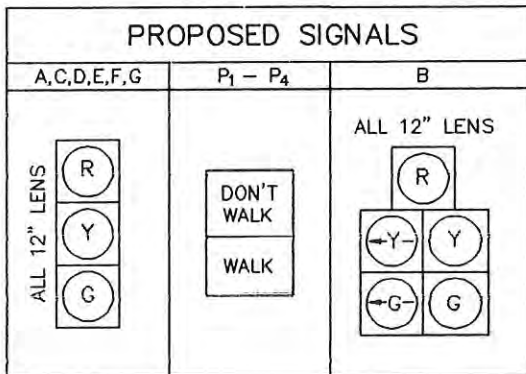
SEQUENCE AND TIMING

STREET	DIRECTION	HOUSINGS	\emptyset /OL	1	2	3	4	5	6	7	8	9	10	11	12	FLASH OPER.
WASHINGTON STREET	NB	A,C	1/2	G	Y	R	G	Y	R	R	R		R	R	R	FY
WASHINGTON STREET	NB	B	2/1	G	Y	R	G/GL	Y/YL	R	R	R		R	R	R	FY
WASHINGTON STREET	SB	D,E	1	G	Y	R	R	R	R	R	R		R	R	R	FY
POND STREET	EB	F,G	4	R	R	R	R	R	R	R	R		G	Y	R	FR
PEDESTRIAN		P1-P4	3	DW	DW	DW	DW	DW	DW	W	FDW		DW	DW	DW	OUT

TIMING IN SECONDS

MINIMUM INITIAL		5				2									6			EMERGENCY
PASSAGE		4				2									2			
MAXIMUM 1	FREE	33				14									28			
MAXIMUM 2	COORDINATED	25				5									18			
CHANGE				4	1			4	1							3	1	
PEDESTRIAN										7	11							
RECALL			OFF			OFF			OFF			OFF						
MEMORY			LOCKING			NON-LOCKING			LOCKING			NON-LOCKING						

PROPOSED SIGNALS



NOTE: RETAIN ALL EXIST. SIGNALS AND REMOVE & RELOCATE SIGNAL HEAD A.
 REPLACE SIGNAL HEAD B WITH A 5-SECTIONS "DOG HOUSE".

TRAFFIC CONTROLLER DATA

PARAMETER	SELECTION
PHASE ASSIGNMENTS	STD. NEMA
OVERLAPS	STD. NEMA
RINGS	SINGLE
DUAL ENTRY	OFF
SIMULTANEOUS GAP OUT DISABLED	YES
ALL RED REST	OFF
RED REVERT-# OF SECONDS	-
MINIMUM YELLOW IN SECONDS	3
MAX II BY INTERNAL CLOCK	YES
NIGHT TIME FLASH BY INTERNAL CLOCK	NOT USED
TYPE OF INTERCONNECT TO MASTER	NONE - TBCU
REMOTE MUTCD FLASH BY MASTER	NO
COORDINATION MODE	PERM
MAXIMUM MODE	INHIBIT
OFFSET SEEK METHOD	SHORTWAY

TOWN OF BRAINTREE

WASHINGTON STREET AT POND STREET AND FREDERICK ROAD

SCALE: 1" = 40'

DATE:

DRAWN BY: EES

APPROVED BY: RCE

TABLE 1-M2. MASTER PROGRAM - SUB-SYSTEM #2 -
INCLUDES INTERSECTIONS 4,5,6,7,8

FUNCTION	MONDAY → FRIDAY	SATURDAY	SUNDAYS & HOLIDAYS
FREE OPERATION FULLY ACTUATED	*	*	*
CYCLE 1 - 80" WEEKDAY PM PEAK	4:00 pm → 6:00 pm	-	-
CYCLE 2 - 90" SAT MIDDAY PEAK	-	11:00 am → 3:00 pm	-
FLASH	-	-	-

* = DEFAULT. MASTER SHALL USE THIS FUNCTION UNLESS A TIME IS SHOWN FOR ANOTHER FUNCTION.

FOR INITIAL OPERATION, CYCLE 1 INCLUDES SPLIT 1 + OFFSET 1.

TABLE 2-5. COORDINATION DATA FOR INTERSECTION 5 -
(SUB-SYSTEM 2)

FUNCTION	PURPOSE	OFFSET VALUE IN SECONDS	CYCLE LENGTH	-
OFFSET 1	WEEKDAY PM PEAK HOUR VOLUMES	14	80	-
OFFSET 2	SATURDAY MIDDAY PEAK HOUR VOLUMES	14	90	-

COORD POINT SHALL BE AT THE START OF THE GREEN OF THE FIRST PHASE, SHOWN BY * BELOW.

MAXIMUM PHASE TIME IN SECONDS

FUNCTION	PHASE 1 *	PHASE 2	PHASE 3	PHASE 4
SPLIT 1	30	10	18	22
SPLIT 2	37	10	18	25

SEQUENCE AND TIMING FOR FULLY - ACTUATED TRAFFIC SIGNAL CONTROL

EMERGENCY PRE-EMPTION

STREET	DIR	HOUSING	ø1			ø2			ø3			ø7			ø6			ø7			ø8			ø9			øF1			øF2			øF3		
WASHINGTON ST	SB	A, B	R	R	R	G	Y	R				R	R	R	R	R	R				R	R	R	R	R	R	Y	R	R	R	G	Y	R	R	R
WASHINGTON ST	NB	C	G/R	Y/R	R	R	R	R				R	R	R	G	Y	R				R	R	R	R	R	R	Y	G	Y	R	R	R	R	R	R
WASHINGTON ST	NB	D	R	R	R	R	R	R				R	R	R	G	Y	R				R	R	R	R	R	R	Y	G	Y	R	R	R	R	R	R
BRAXTON ST	EB	F	G/R	Y/R	R	R	R	R				G/G	Y/Y	R	R	R	R				R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
BRAXTON ST	EB	E	R	R	R	R	R	R				G	Y	R	R	R	R				R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
DRIVEWAY	WB	G, H	R	R	R	R	R	R				R	R	R	R	R	R				G	Y	R	R	R	R	OUT	R	R	R	R	R	R	R	R
PEDESTRIAN	ALL	P1-P4	DW	DW	DW	DW	DW	DW				DW	DW	DW	DW	DW	DW				DW	DW	DW	W	FDW	DW	R	DW	DW	DW	DW	DW	DW	DW	DW

INTERVALS (IN SECONDS)	MINIMUM GREEN	4			8			4			8			2			17			5			5			5					
	EXTENSION INTERVAL	2			2			2			2			1			-														
	MAXIMUM I	10			55			10			70			5			-														
	MAXIMUM II	7			78			10			90			5			-														
	CLEARANCE INTERVAL		4	1		4	1					4	1		4	1					4	1		-	-		4	1		4	1
	"WALK" INTERVAL		-	-		-	-		-	-		-	-		-	-		7	-		-	-		-	-		-	-		-	-
	PED CLEARANCE INTERVAL		-	-		-	-		-	-		-	-		-	-		-	-		-	-		-	-		-	-		-	-
DETECTOR MEMORY		NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK			LOCK														
RECALL SWITCH		OFF			MAXIMUM			OFF			MAXIMUM			OFF			OFF														
CYCLE 1																															
CYCLE 2																															
CYCLE 3																															

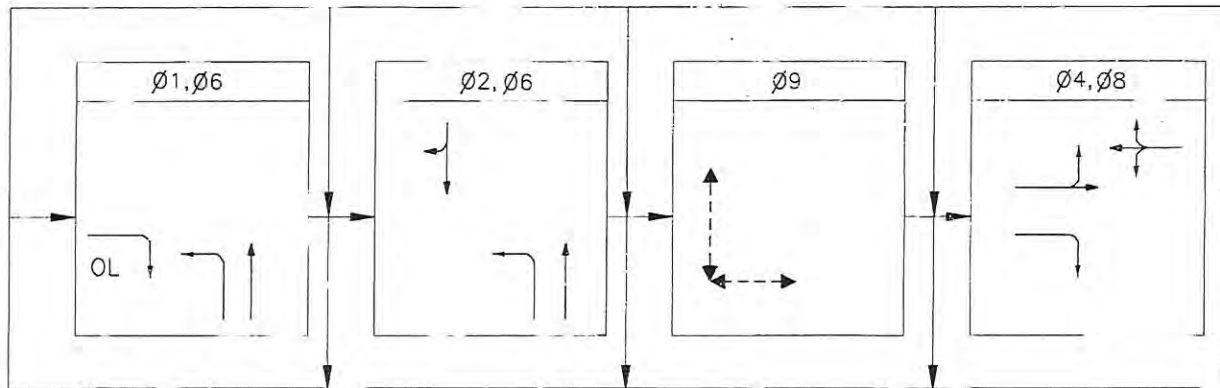
PROGRAM/COORDINATION			CLEARANCES						TECHNICAL NOTES												
MAXIMUM SETTING	OFFSET % / SEC	HOURS OF OPERATION	FROM	TO						MAXIMUM I: 7:00 AM - 2:00 PM MAXIMUM II: 2:00 PM - 7:00 PM											
1	-	MAX I	G	R	W	DW	RR	RL													
2	-	MAX II	GL	YL	YL	---	---	---													
3	-	MAX III	GR	YR	YR	---	---	---													
COORDINATED OPERATION	NONE		GV/GL	---	---	---	---	---													
FREE OPERATION	24 HOURS/7 DAYS		GV/GR	---	---	---	---	---													
PROGRAMMED FLASH	NONE		W	---	---	---	FDW	---													



SIGNAL PLAN

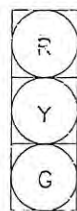
COMMONWEALTH OF MASSACHUSETTS
HIGHWAY DEPARTMENT
10 PARK PLAZA BOSTON, MA

TOWN: BRAINTREE
LOCATION: ROUTE 37 AT BRAXTON STREET
DATE: 4/29/08 PERMIT NO.

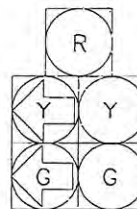
SCALE: N.T.S.
DRAWN BY: WJG
APPROVED: FAM



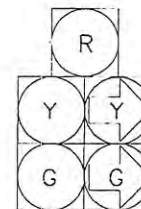
 VEHICULAR MOVEMENT
 PEDESTRIAN MOVEMENT
PREFERENTIAL PHASING SEQUENCE



A, B, D,
E, G, H



C



F



P1 - P4

SIGNAL PLAN

COMMONWEALTH OF MASSACHUSETTS
HIGHWAY DEPARTMENT
10 PARK PLAZA BOSTON, MA

TOWN: BRAINTREE
LOCATION: ROUTE 37 AT BRAXTON STREET
DATE: 4/29/08 PERMIT NO.

SCALE: N.T.S.
DRAWN BY: WJG
APPROVED: FAM

Calculation of Yellow Change Interval and All-Red Clearance Interval

Job:
 Location: Route 37 at Braxton Street
 Title: Braintree

Job Number:
 Date: 6/25/2007

Intersection Approach			
1	2	3	4
WB LT	EB	NB LT	SB
<u>Input Data</u>	<u>Input Data</u>	<u>Input Data</u>	<u>Input Data</u>
V(mph) = 0 W (ft) = 0.0	V(mph) = 35 W (ft) = 70.0	V(mph) = 35 W (ft) = 65.0	V(mph) = 35 W (ft) = 75.0
<u>Calculated Values</u>	<u>Calculated Values</u>	<u>Calculated Values</u>	<u>Calculated Values</u>
Y(sec) = n/a AR (sec) = n/a	Y(sec) = 3.6 AR (sec) = 1.7	Y(sec) = 3.6 AR (sec) = 1.7	Y(sec) = 3.6 AR (sec) = 1.8
Intersection Approach			
5	6	7	8
EB LT	WB	SB LT	NB
<u>Input Data</u>	<u>Input Data</u>	<u>Input Data</u>	<u>Input Data</u>
V(mph) = 35 W (ft) = 70.0	V(mph) = 0 W (ft) = 0.0	V(mph) = 0 W (ft) = 0.0	V(mph) = 35 W (ft) = 65.0
<u>Calculated Values</u>	<u>Calculated Values</u>	<u>Calculated Values</u>	<u>Calculated Values</u>
Y(sec) = 3.6 AR (sec) = 1.7	Y(sec) = n/a AR (sec) = n/a	Y(sec) = n/a AR (sec) = n/a	Y(sec) = 3.6 AR (sec) = 1.7

Based on the following equation: ¹

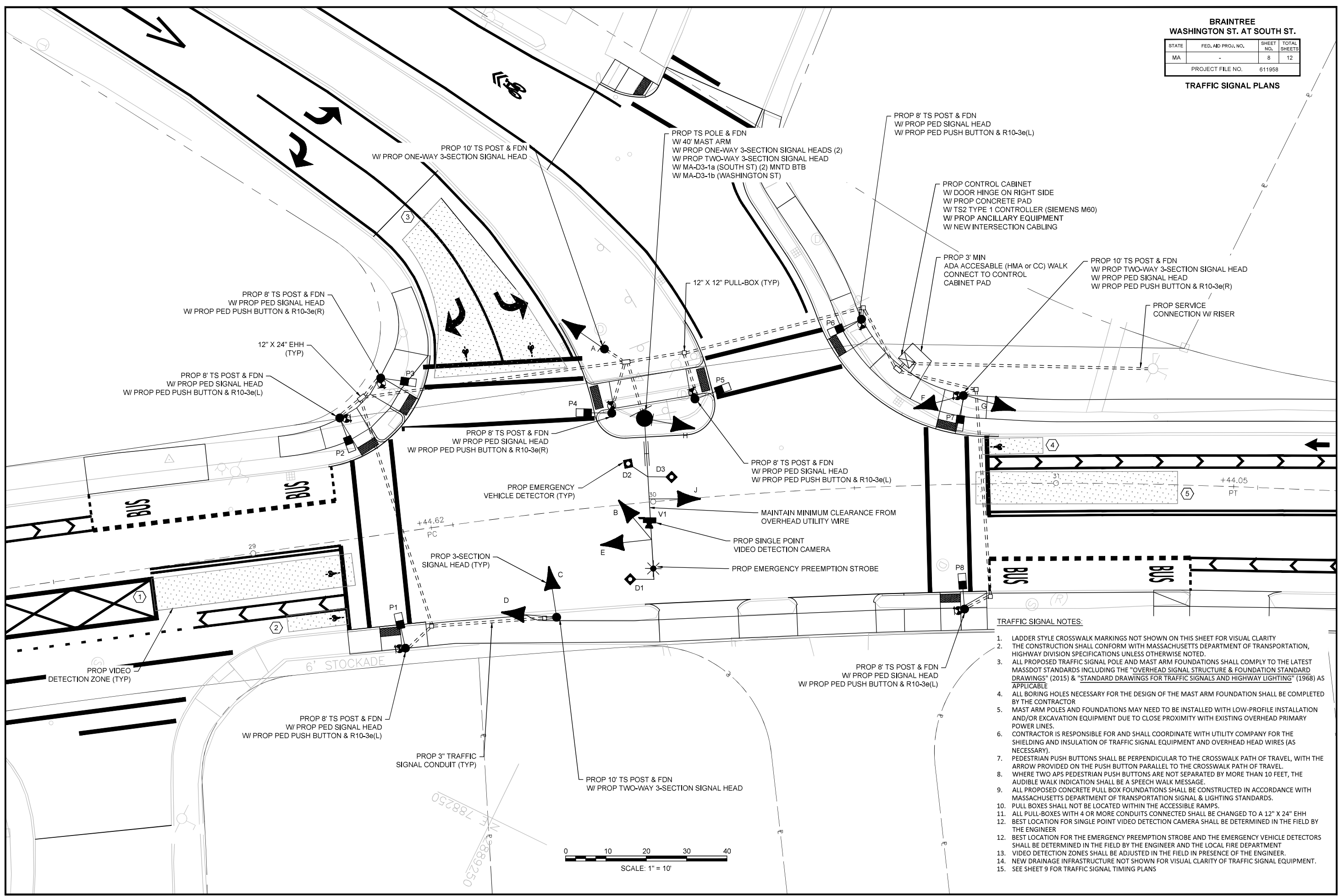
$$\text{CP} = t + \frac{V}{2a} + \frac{W+L}{V}$$

Yellow Change Interval
All-Red Clearance Interval

Where CP = Nondilemma change period (yellow plus all red), s
 t = Driver perception-reaction time, s
 V = Approach speed (posted speed limit plus 5 mph), ft/s
 a = Deceleration rate of vehicle, ft/s²
 W = Width of intersection, ft
 L = Length of vehicle, ft

Assumptions:
 t = 1s
 a = 10 ft/s²
 L = 20 ft

¹ Manual of Traffic Signal Design, Second Edition; Institute of Transportation Engineers; Washington, DC; 1988.



- TRAFFIC SIGNAL NOTES:**
- LADDER STYLE CROSSWALK MARKINGS NOT SHOWN ON THIS SHEET FOR VISUAL CLARITY
 - THE CONSTRUCTION SHALL CONFORM WITH MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION SPECIFICATIONS UNLESS OTHERWISE NOTED.
 - ALL PROPOSED TRAFFIC SIGNAL POLE AND MAST ARM FOUNDATIONS SHALL COMPLY TO THE LATEST MASSDOT STANDARDS INCLUDING THE "OVERHEAD SIGNAL STRUCTURE & FOUNDATION STANDARD DRAWINGS" (2015) & "STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING" (1968) AS APPLICABLE
 - ALL BORING HOLES NECESSARY FOR THE DESIGN OF THE MAST ARM FOUNDATION SHALL BE COMPLETED BY THE CONTRACTOR
 - MAST ARM POLES AND FOUNDATIONS MAY NEED TO BE INSTALLED WITH LOW-PROFILE INSTALLATION AND/OR EXCAVATION EQUIPMENT DUE TO CLOSE PROXIMITY WITH EXISTING OVERHEAD PRIMARY POWER LINES.
 - CONTRACTOR IS RESPONSIBLE FOR AND SHALL COORDINATE WITH UTILITY COMPANY FOR THE SHIELDING AND INSULATION OF TRAFFIC SIGNAL EQUIPMENT AND OVERHEAD HEAD WIRES (AS NECESSARY).
 - PEDESTRIAN PUSH BUTTONS SHALL BE PERPENDICULAR TO THE CROSSWALK PATH OF TRAVEL, WITH THE ARROW PROVIDED ON THE PUSH BUTTON PARALLEL TO THE CROSSWALK PATH OF TRAVEL.
 - WHERE TWO APS PEDESTRIAN PUSH BUTTONS ARE NOT SEPARATED BY MORE THAN 10 FEET, THE AUDIBLE WALK INDICATION SHALL BE A SPEECH WALK MESSAGE.
 - ALL PROPOSED CONCRETE PULL BOX FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MASSACHUSETTS DEPARTMENT OF TRANSPORTATION SIGNAL & LIGHTING STANDARDS.
 - PULL BOXES SHALL NOT BE LOCATED WITHIN THE ACCESSIBLE RAMPS.
 - ALL PULL-BOXES WITH 4 OR MORE CONDUITS CONNECTED SHALL BE CHANGED TO A 12" X 24" EHH
 - BEST LOCATION FOR SINGLE POINT VIDEO DETECTION CAMERA SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER
 - BEST LOCATION FOR THE EMERGENCY PREEMPTION STROBE AND THE EMERGENCY VEHICLE DETECTORS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER AND THE LOCAL FIRE DEPARTMENT
 - VIDEO DETECTION ZONES SHALL BE ADJUSTED IN THE FIELD IN PRESENCE OF THE ENGINEER.
 - NEW DRAINAGE INFRASTRUCTURE NOT SHOWN FOR VISUAL CLARITY OF TRAFFIC SIGNAL EQUIPMENT.
 - SEE SHEET 9 FOR TRAFFIC SIGNAL TIMING PLANS

**BRAINTREE
WASHINGTON ST. AT SOUTH ST.**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	9	12
PROJECT FILE NO.		611958	

TRAFFIC SIGNAL DATA

		PHASE 2		PHASE 4		PHASE 6										FLASH OPER.			
SEQUENCE AND TIMING FOR FULL ACTUATED CONTROL (ISOLATED)																			
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	FLASH OPER.
WASHINGTON STREET	NB	D, E, F	R	R	R	R	R	R	R	R	R	G	Y	R					FY
WASHINGTON STREET	SB	G, H, J	R	G	Y	R	R	R	R	R	R	R	R	R					FY
SOUTH STREET	EB	A, B, C	R	R	R	R	R	G	Y	R	R	R	R	R					FR
PEDESTRIAN SIGNAL HEADS			E - W	P1, P2, P7, P8	DW	DW	DW	DW	W ^{W/FDWN}	DW	DW	DW	DW	DW	DW	DW	DW	DW	OUT
PEDESTRIAN SIGNAL HEADS			N - S	P3, P4, P5, P6	W	W ^{W/FDWN}	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	
TIMING IN SECONDS																			
MINIMUM GREEN (INITIAL)				6				6				6							
PASSAGE TIME (VEHICLE)				3				3				3							
MAXIMUM 1 (MON - FRI / 3:00 PM - 7:00 PM)				75				20				75							
MAXIMUM 2 (ALL OTHER TIMES)				45				20				45							
YELLOW CHANGE					4.5				4				4.5						
RED CLEARANCE						3				2				3					
WALK (W)			4	3			4	3											
PEDESTRIAN CLEARANCE				10	3	--		10	3	--									
RECALL			SOFT			NONE			SOFT										
MEMORY			NON-LOCK			NON-LOCK			NON-LOCK										

QUANTITY	MAJOR ITEMS LIST
3	ELECTRIC HANDHOLE - SD2.022
6	PULL BOX 12 X 12 INCHES - SD2.031
1	NEMA SIZE 6, TS-2 TYPE-1 CONTROLLER (SIEMENS M60), CABINET & FDN.
7	8' TS POST, BASE & FDN
3	10' TS POST, BASE & FDN
8	16" L.E.D COUNTDOWN PEDESTRIAN SIGNAL HEAD
5	APS PUSHBUTTON,W/ R10-3e(L) & SIGN SADDLE
3	APS PUSHBUTTON,W/ R10-3e(R) & SIGN SADDLE
1	TYPE II 40' STEEL MAST ARM, AND FOUNDATION
3	1-WAY, 3-SECTION SIGNAL HEAD, 12" L.E.D LENS (W/ VISORS), NON-LOUVERED BACKPLATES AND 3" YELLOW RETRO-REFLECTIVE STRIP
3	2-WAY, 3-SECTION SIGNAL HEAD, 12" L.E.D LENS (W/ VISORS), NON-LOUVERED BACKPLATES AND 3" YELLOW RETRO-REFLECTIVE STRIP
1	SERVICE CONNECTION AND METER
1	SINGLE POINT VIDEO DETECTION (SPVD) SYSTEM WITH ONE CAMERA
1	16-CHANNEL MMU (CAPABLE OF FYA OPERATION)
1	EMERGENCY PRE-EMPTION CONFIRMATION STROBE (WHITE)
3	OPTICAL SINGLE CH. ONE-DIRECTION OPTICAL DETECTOR
1	OPTICAL FOUR CH. PHASE SELECTOR
1	TRANSIT SIGNAL PRIORITY (APPLIED INFORMATION GLANCE TSP 15-YEAR PLAN PER MBTA SPEC)

PLUS NECESSARY CONDUIT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL

VIDEO DETECTOR DATA

DETAILS & NOTES. DELAY TIME EFFECTIVE ONLY DURING CALLED Ø RED. TIME IN SEC.

ZONE NUMBER	CAMERA NUMBER	SIZE	Ø CALLED	Ø EXT.	MODE	DELAY TIME	EXT. TIME
1	V1	±8' X 50'	6	6	PRESENCE	0	0
2	V1	±4' X 15'	6	6	PRESENCE	0	0
3	V1	±20' X 25'	4	4	PRESENCE	0	0
4	V1	±4' X 15'	2	2	PRESENCE	0	0
5	V1	±8' X 50'	2	2	PRESENCE	0	0

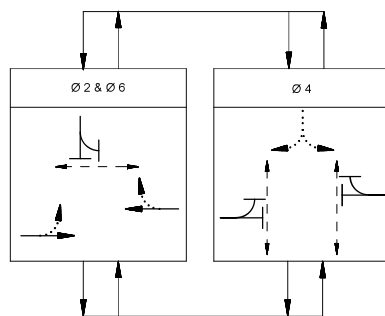
FIRE PREEMPTION SCHEDULE

APPROACH	PREEMPTION PHASE	NEXT PHASE CALLED
EASTBOUND	4	2+6
NORTHBOUND	6	2+6
SOUTHBOUND	2	2+6

EMERGENCY VEHICLE PREEMPTION OPERATION:

- EMERGENCY VEHICLE PREEMPTION SHALL BE ACTUATED BY AN OPTICAL SIGNAL FROM AN OPTICAL EMITTER MOUNTED ON AN EMERGENCY VEHICLE AND RECEIVED BY AN OPTICAL DETECTOR LOCATED AT INTERSECTION. A SEPARATE RECEIVING DETECTOR IS REQUIRED FOR EACH DETECTED APPROACH.
- PREEMPTION SIGNALS FROM MULTIPLE APPROACHES SHALL BE SERVICED ON A FIRST DETECTED FIRST SERVED BASIS.
- IN RESPONSE TO A PREEMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL TIME THE CLEARANCE INTERVALS OF THE ACTIVE PHASE (IF DIFFERENT THAT TO BE SERVICED) AND ADVANCE TO AND/OR HOLD IN EMERGENCY VEHICLE PREEMPTION PHASE UNTIL PREEMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME CLEARANCES AND SIMILARLY SERVICE OTHER EMERGENCY VEHICLE PREEMPTION SEQUENCES IN THE ORDER RECEIVED (IF RECEIVED) OTHERWISE, RESUME NORMAL PREFERENTIAL PHASE SEQUENCE.
- PREEMPTION MINIMUM GREENS SHALL BE SIX SECONDS.
- NORMAL CLEARANCES SHALL BE PROVIDED ON PHASES THAT ARE TERMINATED BY PREEMPTION DEMAND.
- ACTUAL TIMING FOR PREEMPTION SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH THE FIRE DEPARTMENT AND SHALL BE APPROVED BY MHD PRIOR TO OPERATION.

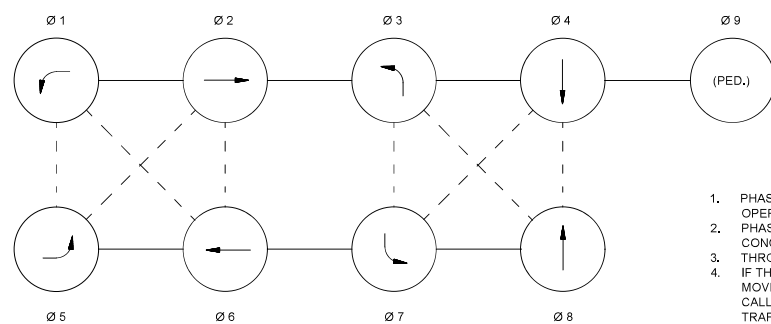
PREFERENTIAL PHASING SEQUENCE



SEQUENCE & TIMING NOTES

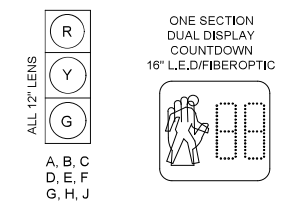
- AUTOMATIC FLASHING OPERATION PER M.U.T.C.D. SECTION 4D.12.
- PEDESTRIAN PHASE UPON PUSH BUTTON ACTIVATION ONLY.
- FR = FLASH RED, FY = FLASH YELLOW, FYA = FLASHING YELLOW ARROW
- IF THE ASSIGNED RIGHT-OF-WAY FOR ANY TRAFFIC MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT TRAFFIC MOVEMENT WILL NOT CHANGE DURING THE CLEARANCE INTERVAL.
- IF THE ASSIGNED RIGHT-OF-WAY FOR ANY TRAFFIC MOVEMENT IS TO CHANGE DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATION FOR THAT MOVEMENT WILL DISPLAY THE APPROPRIATE CHANGE AND CLEARANCE INTERVALS.
- THE RIGHT OF WAY MAY BE ASSIGNED TO ANY PHASE OR ANY COMBINATION OF NON-CONFLICTING PHASES.
- IF CALLS EXIST ON ALL PHASES, THE ASSIGNMENT OF RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE PREFERENTIAL PHASE SEQUENCE.
- PEDESTRIAN PHASES WILL ONLY BE CALLED UPON PUSH BUTTON ACTIVATION.
- DURING PED INTERVALS, FDW THRU YELLOW OPERATION SHALL NOT BE IN EFFECT

NEMA DUAL RING PHASING NOTES:



- PHASES ASSOCIATED BY A SOLID LINE SHALL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.
- THROUGH MOVEMENTS MAY INCLUDE RIGHT TURNS.
- IF THE ASSIGNED RIGHT OF WAY FOR ANY TRAFFIC MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT TRAFFIC MOVEMENT SHALL NOT CHANGE DURING THE CHANGE INTERVAL(S) UNLESS OTHERWISE NOTED.

SIGNAL IDENTIFICATION

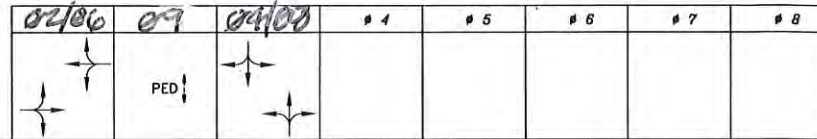


NOTES:

- ALL SIGNALS SHALL HAVE CUT AWAY VISORS.
- SIGNALS SHALL HAVE 12" LED WITH 5" NON-LOUVERED BACK PLATES, WITH 3" YELLOW RETRO-REFLECTIVE STRIP

BRAINTREE				
ROUTE 37 AT ROOSEVELT STREET				
STATE	SIGNAL ID NO.	REVISION NO.	SHEET NO.	TOTAL SHEETS
MASS	1080	01	3	3

TRAFFIC SIGNAL DATA
AS OF 10/30/01

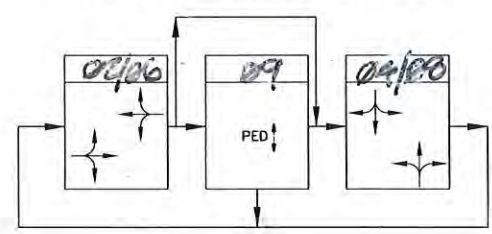


SEQUENCE AND TIMING FOR SEMI ACTUATED CONTROL (ISOLATED)																											
STREET	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PHASE
WASHINGTON STREET (RTE. 37)	NB	A,B,C	G	Y	R	R	R	R	R	R	R																FY
WASHINGTON STREET (RTE. 37)	SB	D,E	G	Y	R	R	R	R	R	R	R																FY
ROOSEVELT ST	EB	F,G	R	R	R	R	R	R	G	Y	R																FR
PRIVATE DRIVE	WB	H,I	R	R	R	R	R	R	G	Y	R																FR
PEDESTRIAN	ALL	P1-P2	DW	DW	DW	W	FDW	DW	DW	DW	DW																OFF
TIMING IN SECONDS																											
MINIMUM GREEN (INITIAL)			30																								
PASSAGE TIME (VEHICLE)																											
MAXIMUM 1																											
MAXIMUM 2																											
YELLOW CLEARANCE				4							3																
RED CLEARANCE					2							1															
WALK (W)						7																					
PEDESTRIAN CLEARANCE							11	1																			
RECALL			MIN				OFF			OFF																	
MEMORY			LOCK				LOCK			NON-LOCK																	
DELAY (PRESENCE MODE)										5 SECONDS																	

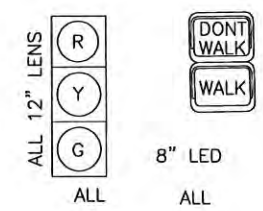
MAJOR ITEMS REQUIRED	
QUANTITY	ITEM
1	CONTROLLER TYPE BDW, TS 2, TYPE I
	W /CABINET & FOUNDATION
1	35 FOOT MAST, ARM TYPE II
9	1-WAY, 3 SECTION 12" LED SIGNAL HOUSING
2	TYPE B, LED INTL. SYMBOL PEDESTRIAN HOUSING
8	TUNNEL VISORS
8	LOUVERED BACKPLATES
1	2-WAY OPTICOM SYSTEM SERIES 400
3	12" X 12" PULL BOX
1	6' X 6' WIRE LOOP DETECTOR
1	6' X 30' QUADRAPOLE LOOP DETECTOR
1	2 CHANNEL WIRE LOOP AMPLIFIER
1	1 WHITE CONFIRMATION STROBE
2	PEDESTRIAN PUSHBUTTONS W/LED.
2	10' SIGNAL POST R&R
2	R10-6 SIGN WITH P5 POST
1	PAVEMENT MARKING REMOVAL AND INSTALLATION
1	LANDSCAPE, LOW PLANTINGS AND MULCH AREA
Necessary duct, cable, labor, miscellaneous material and equipment to complete the installation.	

- NOTES:**
- R&R EXISTING 10' SIGNAL POSTS FROM THE EXISTING FLASHERS. REMOVE FOUNDATIONS AND ELECTRIC SERVICE. RESET PEDESTRIAN SIGNS ON NEW P5 POSTS AT SAME LOCATIONS.
 - PROVIDE LANDSCAPE AREA WITH MULCH AND LOW PLANTINGS AROUND MAST ARM BASE.
 - R&R EXISTING ELDERLY HOUSING SIGN.
 - OPTICOM TO CALL PHASE 1
 - TRIM TREES AS NECESSARY.
 - CHECK ELEVATION OF UTILITY WIRE FOR PROPER MAST ARM HEIGHT.
 - UNDERGROUND UTILITIES ARE PRESENT. CALL DIGSAFE.
 - REMOVE EXISTING CROSSWALK AND DYCL ON RTE. 37 AS NECESSARY. INSTALL NEW CROSSWALK AND STOP LINES AS SHOWN.
 - INSTALL TWO (2) R10-6 W/P5 POSTS AS SHOWN.
- CONSTRUCTION NOTES:**
- SAW CUT AND PATCH DETERIATED PAVEMENT ON ROOSEVELT PRIOR TO INSTALLING LOOP DETECTOR.

PREFERENTIAL PHASING SEQUENCE



SIGNAL IDENTIFICATION



1080BENT 002

CONTROLLER MAKE & MODEL:	XXXX
UTILITY POLE No.	XXXX
METER No.	XXXX
EMERGENCY PRE-EMPTION (TYPE):	XXXX
APPROVED BY:	
STATE TRAFFIC ENGINEER	Date