

# Alliant Engineering

Minneapolis, MN 55415

--TRAFFIC DATA --

TH-156 at Grand Ave W  
 Ref.Pt.: 001.193  
 data by Alliant Engineering  
 TURN MOVEMENT COUNT

File Name : 503 - TH 156 and Grand Ave  
 Site Code : 503  
 Start Date : 3/17/2015  
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH-156 Southbound				Grand Ave W Westbound				TH-156 Northbound				Grand Ave W Eastbound				Int. Total
	Left	Thru	Rght	Bikes	Left	Thru	Rght	Bikes	Left	Thru	Rght	Bikes	Left	Thru	Rght	Bikes	
06:00	19	21	4	0	1	3	6	0	2	17	1	0	11	5	2	0	92
06:15	12	29	5	0	0	2	1	0	7	25	6	0	9	0	3	0	99
06:30	18	32	4	0	2	5	3	0	5	29	11	0	23	9	5	0	146
06:45	11	46	7	0	2	17	4	0	14	44	9	0	14	9	12	0	189
Total	60	128	20	0	5	27	14	0	28	115	27	0	57	23	22	0	526
07:00	6	25	6	0	2	8	8	0	19	44	4	0	19	10	15	0	166
07:15	12	33	13	0	3	13	7	0	11	44	8	0	18	11	12	0	185
07:30	12	39	12	0	1	24	9	0	23	58	3	0	18	14	14	0	227
07:45	17	54	18	0	0	21	3	0	10	48	2	0	22	14	17	0	226
Total	47	151	49	0	6	66	27	0	63	194	17	0	77	49	58	0	804
08:00	9	37	9	0	10	10	12	0	9	27	11	0	19	15	10	0	178
08:15	11	51	14	0	2	4	9	0	17	42	11	0	15	6	16	0	198
08:30	15	51	9	0	7	7	10	0	20	38	7	0	19	5	12	0	200
08:45	11	40	17	0	4	11	4	0	16	26	5	0	6	7	15	0	162
Total	46	179	49	0	23	32	35	0	62	133	34	0	59	33	53	0	738
09:00	9	33	13	0	5	12	7	0	10	26	5	0	11	5	8	0	144
09:15	15	28	8	0	7	6	10	0	9	29	4	1	10	8	10	0	145
*** BREAK ***																	
Total	24	61	21	0	12	18	17	0	19	55	9	1	21	13	18	0	289
*** BREAK ***																	
10:30	8	29	17	0	6	5	13	0	17	25	9	0	12	6	14	0	161
10:45	10	39	19	0	4	11	7	0	7	26	9	0	19	5	12	0	168
Total	18	68	36	0	10	16	20	0	24	51	18	0	31	11	26	0	329
11:00	9	24	8	0	8	6	9	0	8	38	4	0	19	8	7	0	148
11:15	6	30	13	0	7	16	7	0	17	35	13	0	17	4	15	0	180
11:30	10	35	25	0	10	15	11	0	12	41	4	0	17	12	14	1	207
11:45	7	41	14	0	10	21	14	0	17	38	6	0	16	16	18	0	218
Total	32	130	60	0	35	58	41	0	54	152	27	0	69	40	54	1	753
12:00	13	34	15	0	15	23	17	0	18	31	12	0	13	13	8	0	212
12:15	12	44	14	1	9	22	13	0	7	31	13	1	15	14	8	0	204
12:30	14	39	8	0	12	12	14	0	9	32	11	1	17	13	7	0	189
12:45	10	37	26	0	13	10	14	0	15	25	8	1	18	13	12	0	202
Total	49	154	63	1	49	67	58	0	49	119	44	3	63	53	35	0	807
13:00	9	42	12	0	11	7	13	0	11	38	8	1	16	11	11	0	190
13:15	8	35	17	0	11	9	9	0	6	24	10	0	17	7	14	0	167
*** BREAK ***																	
Total	17	77	29	0	22	16	22	0	17	62	18	1	33	18	25	0	357
*** BREAK ***																	
14:30	12	58	14	0	8	18	10	0	24	39	10	0	15	11	14	0	233
14:45	19	51	20	0	8	12	18	0	14	44	9	1	17	10	23	0	246
Total	31	109	34	0	16	30	28	0	38	83	19	1	32	21	37	0	479
15:00	9	65	23	4	14	20	16	0	16	40	8	4	21	6	17	1	264
15:15	5	61	15	0	12	15	14	0	16	34	3	0	12	11	21	0	219
15:30	14	58	29	0	12	21	17	0	23	66	5	1	25	8	14	0	293
15:45	11	74	23	0	11	16	19	0	18	59	8	0	20	9	17	0	285
Total	39	258	90	4	49	72	66	0	73	199	24	5	78	34	69	1	1061
16:00	12	67	19	0	12	19	21	0	19	44	6	0	14	9	22	0	264
16:15	4	58	26	3	5	25	13	0	12	49	6	0	15	8	29	0	253
16:30	7	77	27	0	12	17	12	0	27	49	4	0	25	9	35	0	301

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TH-156 at Grand Ave W  
 Ref.Pt.: 001.193  
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 TURN MOVEMENT COUNT

File Name : 503 - TH 156 and Grand Ave  
 Site Code : 503  
 Start Date : 3/17/2015  
 Page No : 2

Groups Printed- Cars - Trucks

Start Time	TH-156 Southbound				Grand Ave W Westbound				TH-156 Northbound				Grand Ave W Eastbound				Int. Total
	Left	Thru	Rght	Bikes	Left	Thru	Rght	Bikes	Left	Thru	Rght	Bikes	Left	Thru	Rght	Bikes	
16:45	9	66	37	2	7	16	7	0	15	42	3	0	21	10	18	0	253
Total	32	268	109	5	36	77	53	0	73	184	19	0	75	36	104	0	1071
17:00	3	76	22	0	10	26	21	0	19	39	3	0	15	13	15	0	262
17:15	9	67	25	2	8	13	8	0	13	42	5	1	16	14	14	0	237
17:30	7	53	16	0	10	14	8	0	9	29	2	0	11	7	6	0	172
17:45	4	64	26	2	8	10	9	0	9	42	4	0	17	7	10	0	212
Total	23	260	89	4	36	63	46	0	50	152	14	1	59	41	45	0	883
*** BREAK ***																	
Grand Total	418	1843	649	14	299	542	427	0	550	1499	270	12	654	372	546	2	8097
Apprch %	14.3	63	22.2	0.5	23.6	42.7	33.7	0	23.6	64.3	11.6	0.5	41.6	23.6	34.7	0.1	
Total %	5.2	22.8	8	0.2	3.7	6.7	5.3	0	6.8	18.5	3.3	0.1	8.1	4.6	6.7	0	
Cars	380	1773	643	11	244	538	396	0	542	1449	222	11	640	370	542	2	7763
% Cars	90.9	96.2	99.1	78.6	81.6	99.3	92.7	0	98.5	96.7	82.2	91.7	97.9	99.5	99.3	100	95.9
Trucks	38	70	6	3	55	4	31	0	8	50	48	1	14	2	4	0	334
% Trucks	9.1	3.8	0.9	21.4	18.4	0.7	7.3	0	1.5	3.3	17.8	8.3	2.1	0.5	0.7	0	4.1

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File Name : 503 - TH 156 and Grand Ave  
 Site Code : 503  
 Start Date : 3/17/2015  
 Page No : 3

Start Time	TH-156 Southbound					Grand Ave W Westbound					TH-156 Northbound					Grand Ave W Eastbound					Int. Total
	Left	Thru	Right	Bikes	App. Total	Left	Thru	Right	Bikes	App. Total	Left	Thru	Right	Bikes	App. Total	Left	Thru	Right	Bikes	App. Total	
Peak Hour Analysis From 06:00 to 11:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30																					
07:30	12	39	12	0	63	1	24	9	0	34	23	58	3	0	84	18	14	14	0	46	227
07:45	17	54	18	0	89	0	21	3	0	24	10	48	2	0	60	22	14	17	0	53	226
08:00	9	37	9	0	55	10	10	12	0	32	9	27	11	0	47	19	15	10	0	44	178
08:15	11	51	14	0	76	2	4	9	0	15	17	42	11	0	70	15	6	16	0	37	198
Total Volume	49	181	53	0	283	13	59	33	0	105	59	175	27	0	261	74	49	57	0	180	829
% App. Total	17.3	64	18.7	0		12.4	56.2	31.4	0		22.6	67	10.3	0		41.1	27.2	31.7	0		
PHF	.721	.838	.736	.000	.795	.325	.615	.688	.000	.772	.641	.754	.614	.000	.777	.841	.817	.838	.000	.849	.913

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 TURN MOVEMENT COUNT

File Name : 503 - TH 156 and Grand Ave  
 Site Code : 503  
 Start Date : 3/17/2015  
 Page No : 4

Start Time	TH-156 Southbound					Grand Ave W Westbound					TH-156 Northbound					Grand Ave W Eastbound					Int. Total
	Left	Thru	Rght	Bikes	App. Total	Left	Thru	Rght	Bikes	App. Total	Left	Thru	Rght	Bikes	App. Total	Left	Thru	Rght	Bikes	App. Total	
Peak Hour Analysis From 12:00 to 18:00 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 15:45																					
15:45	11	74	23	0	108	11	16	19	0	46	18	59	8	0	85	20	9	17	0	46	285
16:00	12	67	19	0	98	12	19	21	0	52	19	44	6	0	69	14	9	22	0	45	264
16:15	4	58	26	3	91	5	25	13	0	43	12	49	6	0	67	15	8	29	0	52	253
16:30	7	77	27	0	111	12	17	12	0	41	27	49	4	0	80	25	9	35	0	69	301
Total Volume	34	276	95	3	408	40	77	65	0	182	76	201	24	0	301	74	35	103	0	212	1103
% App. Total	8.3	67.6	23.3	0.7		22	42.3	35.7	0		25.2	66.8	8	0		34.9	16.5	48.6	0		
PHF	.708	.896	.880	.250	.919	.833	.770	.774	.000	.875	.704	.852	.750	.000	.885	.740	.972	.736	.000	.768	.916

