

Short Elliott Hendrickson Inc.

3535 Vadnais Center Drive
St. Paul, MN 55110

"Building a Better World for All of Us"



TRAFFIC DATA

TH 52 & 80th St W Ramp

Ref. Pt.: 122.489

Data By: Short Elliott Hendrickson, Inc.

TURN MOVEMENT COUNT

File Name : TH 52 & 80th St W Ramp 2019

Site Code : 2a

Start Date : 4/23/2019

Page No : 1

Groups Printed- Vehicles - Trucks

Start Time	TH 52 Southbound Ramp Southbound					80th St Westbound					Barnes Ave Northbound					80th St Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
06:00	11	40	5	0	56	23	11	6	0	40	0	0	30	0	30	0	24	6	0	30	156
06:15	12	29	10	0	51	21	14	2	0	37	3	0	34	1	38	2	27	5	0	34	160
06:30	19	39	8	0	66	42	17	6	0	65	1	1	62	0	64	0	35	4	0	39	234
06:45	44	49	16	0	109	38	20	7	0	65	7	0	82	0	89	2	36	5	0	43	306
Total	86	157	39	0	282	124	62	21	0	207	11	1	208	1	221	4	122	20	0	146	856
07:00	49	36	13	0	98	33	12	7	0	52	3	0	83	1	87	0	53	7	0	60	297
07:15	72	58	17	0	147	35	21	4	0	60	2	0	129	1	132	1	54	9	2	66	405
07:30	64	48	11	0	123	48	21	5	0	74	4	0	145	0	149	1	50	6	0	57	403
07:45	65	72	27	0	164	44	25	4	0	73	5	0	126	1	132	2	63	8	0	73	442
Total	250	214	68	0	532	160	79	20	0	259	14	0	483	3	500	4	220	30	2	256	1547
08:00	60	65	15	0	140	39	23	5	0	67	6	0	98	0	104	0	41	1	0	42	353
08:15	39	48	13	0	100	26	25	4	0	55	6	0	61	0	67	1	40	4	0	45	267
08:30	36	54	11	0	101	29	28	1	0	58	3	0	81	0	84	0	45	5	0	50	293
08:45	45	47	17	0	109	20	23	5	0	48	3	0	54	0	57	2	31	4	0	37	251
Total	180	214	56	0	450	114	99	15	0	228	18	0	294	0	312	3	157	14	0	174	1164
09:00	57	32	14	0	103	12	20	2	0	34	1	0	92	1	94	0	39	7	0	46	277
09:15	67	28	11	0	106	18	11	0	0	29	3	0	95	0	98	1	48	5	0	54	287
09:30	39	31	23	0	93	17	23	1	0	41	1	0	59	0	60	1	36	6	0	43	237
09:45	84	35	15	0	134	20	26	6	0	52	5	0	71	0	76	1	45	4	0	50	312
Total	247	126	63	0	436	67	80	9	0	156	10	0	317	1	328	3	168	22	0	193	1113
10:00	35	23	20	0	78	17	17	5	0	39	1	0	44	0	45	1	50	4	0	55	217
10:15	37	25	9	0	71	17	20	4	0	41	3	0	49	0	52	1	48	5	0	54	218
10:30	46	26	10	0	82	26	21	5	0	52	6	0	45	0	51	0	47	4	0	51	236
10:45	55	24	13	0	92	23	21	5	0	49	2	0	46	0	48	3	52	7	0	62	251
Total	173	98	52	0	323	83	79	19	0	181	12	0	184	0	196	5	197	20	0	222	922
11:00	47	33	15	0	95	13	22	3	0	38	2	0	35	0	37	0	44	3	0	47	217
11:15	37	29	11	0	77	26	28	6	0	60	2	0	43	0	45	2	30	12	0	44	226
11:30	57	26	14	0	97	26	22	4	0	52	2	0	48	0	50	0	53	1	0	54	253
11:45	63	28	15	0	106	28	21	10	0	59	5	0	47	2	54	0	48	8	0	56	275
Total	204	116	55	0	375	93	93	23	0	209	11	0	173	2	186	2	175	24	0	201	971
12:00	58	23	6	0	87	29	15	7	0	51	6	0	63	1	70	0	56	4	0	60	268
12:15	51	25	23	0	99	31	27	11	0	69	2	0	50	0	52	1	51	6	0	58	278
12:30	45	24	13	0	82	30	22	5	0	57	0	0	42	0	42	1	41	7	0	49	230
12:45	36	26	12	0	74	26	19	13	0	58	5	0	38	0	43	2	47	2	0	51	226
Total	190	98	54	0	342	116	83	36	0	235	13	0	193	1	207	4	195	19	0	218	1002
13:00	35	28	19	0	82	15	35	7	1	58	4	0	37	0	41	3	28	1	1	33	214
13:15	39	36	17	0	92	23	22	14	0	59	0	0	53	0	53	6	37	8	0	51	255
13:30	35	25	16	0	76	38	13	12	0	63	6	0	50	0	56	1	40	2	0	43	238
13:45	60	43	17	0	120	56	23	22	0	101	3	0	68	0	71	0	47	6	0	53	345
Total	169	132	69	0	370	132	93	55	1	281	13	0	208	0	221	10	152	17	1	180	1052

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Start Time	TH 52 Southbound Ramp Southbound					80th St Westbound					Barnes Ave Northbound					80th St Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
14:00	45	27	22	0	94	41	26	9	0	76	2	0	46	2	50	1	51	4	0	56	276
14:15	66	34	20	2	122	27	26	3	0	56	6	0	62	0	68	0	51	5	0	56	302
14:30	78	37	15	0	130	39	35	7	1	82	9	0	82	1	92	0	39	9	1	49	353
14:45	72	42	21	4	139	26	30	9	0	65	7	0	70	0	77	1	49	3	0	53	334
Total	261	140	78	6	485	133	117	28	1	279	24	0	260	3	287	2	190	21	1	214	1265
15:00	72	39	28	1	140	29	25	10	0	64	6	0	87	0	93	0	55	8	0	63	360
15:15	89	63	27	1	180	32	20	5	0	57	4	0	81	1	86	0	55	1	0	56	379
15:30	57	53	38	0	148	30	27	4	1	62	5	0	86	1	92	2	73	9	0	84	386
15:45	95	81	29	0	205	33	28	7	0	68	7	0	94	1	102	0	55	5	0	60	435
Total	313	236	122	2	673	124	100	26	1	251	22	0	348	3	373	2	238	23	0	263	1560
16:00	89	70	23	1	183	30	30	14	0	74	4	0	93	2	99	0	55	4	0	59	415
16:15	84	84	19	1	188	30	26	3	0	59	3	0	133	0	136	0	71	9	0	80	463
16:30	89	77	28	2	196	31	25	13	0	69	10	0	134	0	144	2	76	8	0	86	495
16:45	111	111	32	0	254	38	49	9	0	96	9	0	123	0	132	1	99	22	0	122	604
Total	373	342	102	4	821	129	130	39	0	298	26	0	483	2	511	3	301	43	0	347	1977
17:00	100	111	31	0	242	27	44	5	0	76	4	1	135	0	140	2	73	15	0	90	548
17:15	97	105	39	0	241	36	36	11	0	83	7	1	124	0	132	0	87	10	0	97	553
17:30	115	98	30	0	243	44	28	6	0	78	3	2	100	2	107	2	64	5	1	72	500
17:45	91	66	33	0	190	32	50	13	0	95	6	0	97	0	103	1	73	6	0	80	468
Total	403	380	133	0	916	139	158	35	0	332	20	4	456	2	482	5	297	36	1	339	2069
18:00	98	69	19	0	186	35	33	7	0	75	6	0	94	2	102	0	75	10	0	85	448
18:15	52	61	36	0	149	29	49	4	0	82	5	0	77	0	82	1	76	10	2	89	402
18:30	70	52	21	0	143	24	32	15	0	71	6	0	54	0	60	4	64	5	2	75	349
18:45	71	31	11	2	115	17	30	3	0	50	3	1	69	0	73	8	95	11	0	114	352
Total	291	213	87	2	593	105	144	29	0	278	20	1	294	2	317	13	310	36	4	363	1551
Grand Total	3140	2466	978	14	6598	1519	1317	355	3	3194	214	6	3901	20	4141	60	2722	325	9	3116	17049
Apprch %	47.6	37.4	14.8	0.2		47.6	41.2	11.1	0.1		5.2	0.1	94.2	0.5		1.9	87.4	10.4	0.3		
Total %	18.4	14.5	5.7	0.1	38.7	8.9	7.7	2.1	0	18.7	1.3	0	22.9	0.1	24.3	0.4	16	1.9	0.1	18.3	
Vehicles	3085	2376				1493	1294						3840				2673				16693
% Vehicles	98.2	96.4	98.6	92.9	97.6	98.3	98.3	95.8	33.3	97.9	96.7	83.3	98.4	75	98.2	100	98.2	99.1	55.6	98.2	97.9
Trucks	55	90	14	1	160	26	23	15	2	66	7	1	61	5	74	0	49	3	4	56	356
% Trucks	1.8	3.6	1.4	7.1	2.4	1.7	1.7	4.2	66.7	2.1	3.3	16.7	1.6	25	1.8	0	1.8	0.9	44.4	1.8	2.1

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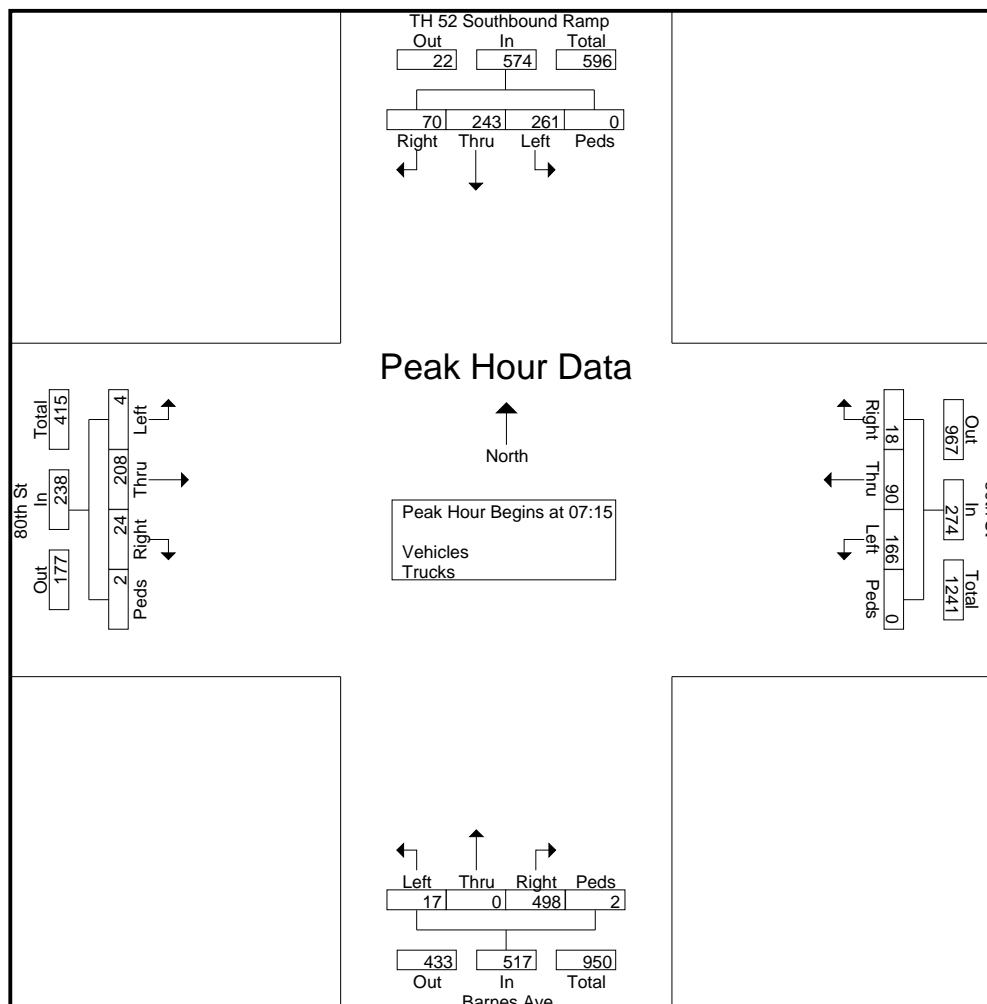
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	

Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 07:15

07:15	72	58	17	0	147	35	21	4	0	60	2	0	129	1	132	1	54	9	2	66	405
07:30	64	48	11	0	123	48	21	5	0	74	4	0	145	0	149	1	50	6	0	57	403
07:45	65	72	27	0	164	44	25	4	0	73	5	0	126	1	132	2	63	8	0	73	442
08:00	60	65	15	0	140	39	23	5	0	67	6	0	98	0	104	0	41	1	0	42	353
Total Volume	261	243	70	0	574	166	90	18	0	274	17	0	498	2	517	4	208	24	2	238	1603
% App. Total	45.5	42.3	12.2	0		60.6	32.8	6.6	0		3.3	0	96.3	0.4		1.7	87.4	10.1	0.8		
PHF	.906	.844	.648	.000	.875	.865	.900	.900	.000	.926	.708	.000	.859	.500	.867	.500	.825	.667	.250	.815	.907



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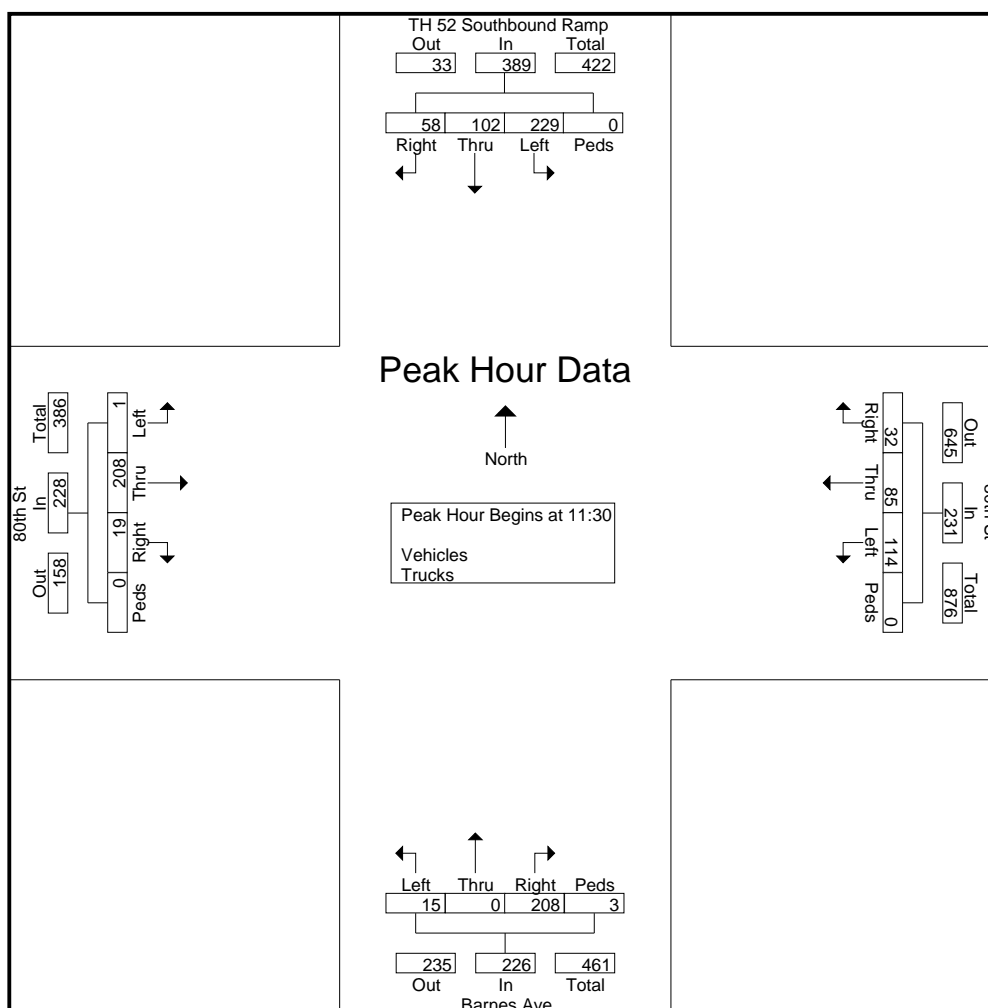
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 11:00 to 12:45 - Peak 1 of 1 Peak Hour for Entire Intersection Begins at 11:30																					
11:30	57	26	14	0	97	26	22	4	0	52	2	0	48	0	50	0	53	1	0	54	253
11:45	63	28	15	0	106	28	21	10	0	59	5	0	47	2	54	0	48	8	0	56	275
12:00	58	23	6	0	87	29	15	7	0	51	6	0	63	1	70	0	56	4	0	60	268
12:15	51	25	23	0	99	31	27	11	0	69	2	0	50	0	52	1	51	6	0	58	278
Total Volume	229	102	58	0	389	114	85	32	0	231	15	0	208	3	226	1	208	19	0	228	1074
% App. Total	58.9	26.2	14.9	0		49.4	36.8	13.9	0		6.6	0	92	1.3		0.4	91.2	8.3	0		
PHF	.909	.911	.630	.000	.917	.919	.787	.727	.000	.837	.625	.000	.825	.375	.807	.250	.929	.594	.000	.950	.966



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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1 Peak Hour for Entire Intersection Begins at 16:45																					
16:45	111	111	32	0	254	38	49	9	0	96	9	0	123	0	132	1	99	22	0	122	604
17:00	100	111	31	0	242	27	44	5	0	76	4	1	135	0	140	2	73	15	0	90	548
17:15	97	105	39	0	241	36	36	11	0	83	7	1	124	0	132	0	87	10	0	97	553
17:30	115	98	30	0	243	44	28	6	0	78	3	2	100	2	107	2	64	5	1	72	500
Total Volume	423	425	132	0	980	145	157	31	0	333	23	4	482	2	511	5	323	52	1	381	2205
% App. Total	43.2	43.4	13.5	0		43.5	47.1	9.3	0		4.5	0.8	94.3	0.4		1.3	84.8	13.6	0.3		
PHF	.920	.957	.846	.000	.965	.824	.801	.705	.000	.867	.639	.500	.893	.250	.913	.625	.816	.591	.250	.781	.913

