

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 169 & TH 10/47 N Ramp
 Ref Pt: 225+00.374
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 552_TH 169 (Ferry Street) and TH 10-47 North Ramp
 Site Code : 1735040
 Start Date : 11/12/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 169/Ferry St Southbound					TH 10/47 N Ramp Westbound					TH 169/Ferry St Northbound					TH 10/47 N Ramp Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
06:00 AM	3	295	0	0	298	11	0	187	0	198	0	32	28	0	60	0	0	0	0	0	556
06:15 AM	2	284	0	0	286	14	0	209	0	223	0	42	30	0	72	0	0	0	0	0	581
06:30 AM	2	234	0	0	236	17	3	225	0	245	0	70	30	0	100	0	0	0	0	0	581
06:45 AM	3	267	0	0	270	22	0	212	0	234	0	61	46	0	107	0	0	0	0	0	611
Total	10	1080	0	0	1090	64	3	833	0	900	0	205	134	0	339	0	0	0	0	0	2329
07:00 AM	5	248	0	0	253	30	0	234	0	264	0	45	43	0	88	0	0	0	0	0	605
07:15 AM	4	246	0	0	250	29	0	188	0	217	0	82	45	0	127	0	0	0	0	0	594
07:30 AM	6	180	0	0	186	24	0	191	0	215	0	86	66	0	152	0	0	0	0	0	553
07:45 AM	11	237	0	0	248	24	0	175	0	199	0	98	73	0	171	0	0	0	0	0	618
Total	26	911	0	0	937	107	0	788	0	895	0	311	227	0	538	0	0	0	0	0	2370
08:00 AM	5	206	0	0	211	38	0	159	0	197	0	77	38	0	115	0	0	0	0	0	523
08:15 AM	5	193	0	0	198	33	0	186	0	219	0	64	40	0	104	0	0	0	0	0	521
08:30 AM	8	167	0	0	175	21	0	141	0	162	0	73	59	0	132	0	0	0	0	0	469
08:45 AM	5	173	0	0	178	33	0	118	0	151	0	65	36	0	101	0	0	0	0	0	430
Total	23	739	0	0	762	125	0	604	0	729	0	279	173	0	452	0	0	0	0	0	1943
09:00 AM	9	165	0	0	174	25	0	117	0	142	0	61	36	0	97	0	0	0	0	0	413
09:15 AM	6	173	0	0	179	29	0	118	0	147	0	73	42	0	115	0	0	0	0	0	441
*** BREAK ***																					
Total	15	338	0	0	353	54	0	235	0	289	0	134	78	0	212	0	0	0	0	0	854
*** BREAK ***																					
10:30 AM	12	136	0	0	148	28	0	106	0	134	0	54	49	0	103	0	0	0	0	0	385
10:45 AM	10	131	0	0	141	45	1	75	0	121	0	75	38	0	113	0	0	0	0	0	375
Total	22	267	0	0	289	73	1	181	0	255	0	129	87	0	216	0	0	0	0	0	760
11:00 AM	10	160	0	0	170	29	0	76	0	105	0	57	31	0	88	0	0	0	0	0	363
11:15 AM	11	124	0	0	135	30	0	80	0	110	0	64	46	0	110	0	0	0	0	0	355
11:30 AM	13	133	0	0	146	45	0	78	0	123	0	69	46	0	115	0	0	0	0	0	384
11:45 AM	17	126	0	0	143	37	0	88	0	125	0	93	47	0	140	0	0	0	0	0	408
Total	51	543	0	0	594	141	0	322	0	463	0	283	170	0	453	0	0	0	0	0	1510
12:00 PM	13	165	0	0	178	38	0	87	0	125	0	77	39	0	116	0	0	0	0	0	419
12:15 PM	7	128	0	0	135	62	0	85	0	147	0	76	29	0	105	0	0	0	0	0	387
12:30 PM	8	162	0	0	170	58	1	74	0	133	0	80	39	0	119	0	0	0	0	0	422
12:45 PM	10	125	0	0	135	34	1	103	0	138	0	92	45	0	137	0	0	0	0	0	410
Total	38	580	0	0	618	192	2	349	0	543	0	325	152	0	477	0	0	0	0	0	1638
01:00 PM	12	142	0	0	154	53	0	72	0	125	0	83	54	0	137	0	0	0	0	0	416
01:15 PM	10	112	0	0	122	37	0	93	0	130	0	86	51	0	137	0	0	0	0	0	389
*** BREAK ***																					
Total	22	254	0	0	276	90	0	165	0	255	0	169	105	0	274	0	0	0	0	0	805
*** BREAK ***																					
02:30 PM	6	145	0	0	151	92	0	63	0	155	0	129	62	0	191	0	0	0	0	0	497
02:45 PM	8	128	0	0	136	95	2	78	0	175	0	179	43	0	222	0	0	0	0	0	533
Total	14	273	0	0	287	187	2	141	0	330	0	308	105	0	413	0	0	0	0	0	1030
03:00 PM	14	145	0	0	159	76	0	120	0	196	0	185	28	0	213	0	0	0	0	0	568
03:15 PM	20	138	0	0	158	83	0	100	0	183	0	178	40	0	218	0	0	0	0	0	559
03:30 PM	23	179	0	2	204	62	0	124	0	186	0	212	33	0	245	0	0	0	0	0	635

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 Page No : 2

Groups Printed- Cars - Trucks

Start Time	TH 169/Ferry St Southbound					TH 10/47 N Ramp Westbound					TH 169/Ferry St Northbound					TH 10/47 N Ramp Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
03:45 PM	18	142	0	0	160	68	0	109	0	177	0	181	38	0	219	0	0	0	0	0	556
Total	75	604	0	2	681	289	0	453	0	742	0	756	139	0	895	0	0	0	0	0	2318
04:00 PM	21	161	0	0	182	83	0	84	0	167	0	144	42	0	186	0	0	0	0	0	535
04:15 PM	9	163	0	0	172	101	0	122	0	223	0	181	33	0	214	0	0	0	0	0	609
04:30 PM	21	182	0	0	203	90	0	131	0	221	0	179	37	0	216	0	0	0	0	0	640
04:45 PM	16	168	0	0	184	65	0	122	0	187	0	158	27	0	185	0	0	0	0	0	556
Total	67	674	0	0	741	339	0	459	0	798	0	662	139	0	801	0	0	0	0	0	2340
05:00 PM	15	174	0	0	189	64	2	175	0	241	0	150	34	0	184	0	0	0	0	0	614
05:15 PM	11	165	0	0	176	72	0	128	0	200	0	192	28	0	220	0	0	0	0	0	596
05:30 PM	18	148	0	0	166	76	0	151	0	227	0	173	39	0	212	0	0	0	0	0	605
05:45 PM	8	131	0	0	139	68	0	114	0	182	0	158	46	0	204	0	0	0	0	0	525
Total	52	618	0	0	670	280	2	568	0	850	0	673	147	0	820	0	0	0	0	0	2340
Grand Total	415	6881	0	2	7298	1941	10	5098	0	7049	0	4234	1656	0	5890	0	0	0	0	0	20237
Apprch %	5.7	94.3	0	0		27.5	0.1	72.3	0		0	71.9	28.1	0		0	0	0	0		
Total %	2.1	34	0	0	36.1	9.6	0	25.2	0	34.8	0	20.9	8.2	0	29.1	0	0	0	0	0	
Cars	390	6622	0	1	7013	1858	10	4978	0	6846	0	4113	1511	0	5624	0	0	0	0	0	19483
% Cars	94	96.2	0	50	96.1	95.7	100	97.6	0	97.1	0	97.1	91.2	0	95.5	0	0	0	0	0	96.3
Trucks	25	259	0	1	285	83	0	120	0	203	0	121	145	0	266	0	0	0	0	0	754
% Trucks	6	3.8	0	50	3.9	4.3	0	2.4	0	2.9	0	2.9	8.8	0	4.5	0	0	0	0	0	3.7

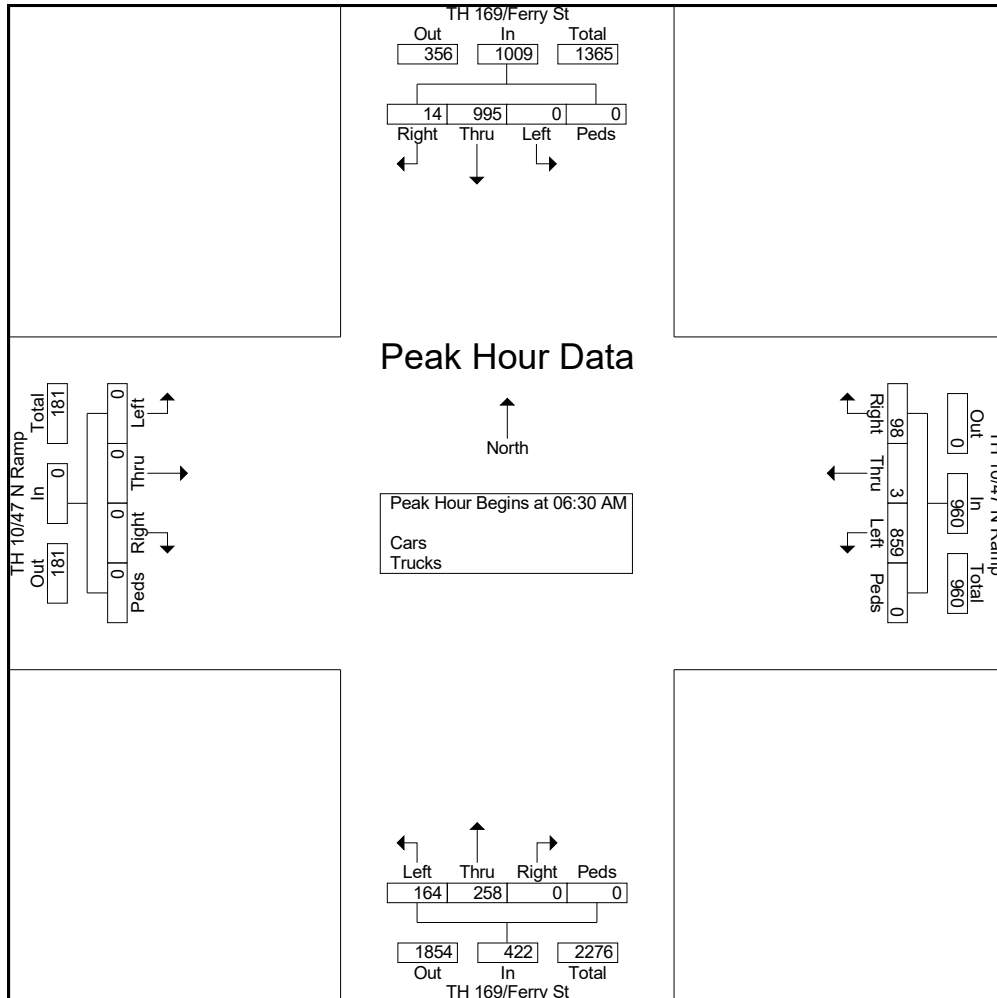
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:30 AM																					
06:30 AM	2	234	0	0	236	17	3	225	0	245	0	70	30	0	100	0	0	0	0	0	581
06:45 AM	3	267	0	0	270	22	0	212	0	234	0	61	46	0	107	0	0	0	0	0	611
07:00 AM	5	248	0	0	253	30	0	234	0	264	0	45	43	0	88	0	0	0	0	0	605
07:15 AM	4	246	0	0	250	29	0	188	0	217	0	82	45	0	127	0	0	0	0	0	594
Total Volume	14	995	0	0	1009	98	3	859	0	960	0	258	164	0	422	0	0	0	0	0	2391
% App. Total	1.4	98.6	0	0		10.2	0.3	89.5	0		0	61.1	38.9	0		0	0	0	0		
PHF	.700	.932	.000	.000	.934	.817	.250	.918	.000	.909	.000	.787	.891	.000	.831	.000	.000	.000	.000	.000	.978



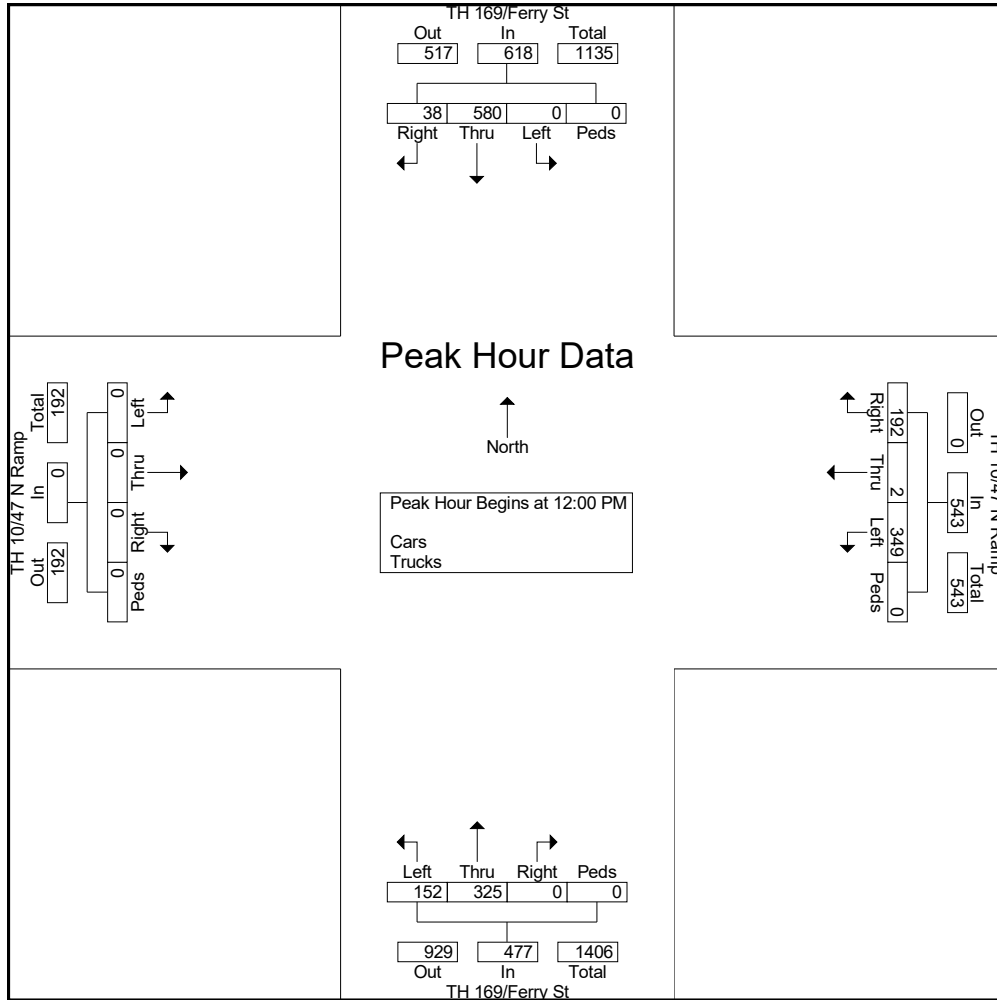
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Start Time	TH 169/Ferry St Southbound					TH 10/47 N Ramp Westbound					TH 169/Ferry St Northbound					TH 10/47 N Ramp Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	13	165	0	0	178	38	0	87	0	125	0	77	39	0	116	0	0	0	0	0	419
12:15 PM	7	128	0	0	135	62	0	85	0	147	0	76	29	0	105	0	0	0	0	0	387
12:30 PM	8	162	0	0	170	58	1	74	0	133	0	80	39	0	119	0	0	0	0	0	422
12:45 PM	10	125	0	0	135	34	1	103	0	138	0	92	45	0	137	0	0	0	0	0	410
Total Volume	38	580	0	0	618	192	2	349	0	543	0	325	152	0	477	0	0	0	0	0	1638
% App. Total	6.1	93.9	0	0		35.4	0.4	64.3	0		0	68.1	31.9	0		0	0	0	0		
PHF	.731	.879	.000	.000	.868	.774	.500	.847	.000	.923	.000	.883	.844	.000	.870	.000	.000	.000	.000	.000	.970



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Start Time	TH 169/Ferry St Southbound					TH 10/47 N Ramp Westbound					TH 169/Ferry St Northbound					TH 10/47 N Ramp Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 02:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	9	163	0	0	172	101	0	122	0	223	0	181	33	0	214	0	0	0	0	0	609
04:30 PM	21	182	0	0	203	90	0	131	0	221	0	179	37	0	216	0	0	0	0	0	640
04:45 PM	16	168	0	0	184	65	0	122	0	187	0	158	27	0	185	0	0	0	0	0	556
05:00 PM	15	174	0	0	189	64	2	175	0	241	0	150	34	0	184	0	0	0	0	0	614
Total Volume	61	687	0	0	748	320	2	550	0	872	0	668	131	0	799	0	0	0	0	0	2419
% App. Total	8.2	91.8	0	0		36.7	0.2	63.1	0		0	83.6	16.4	0		0	0	0	0		
PHF	.726	.944	.000	.000	.921	.792	.250	.786	.000	.905	.000	.923	.885	.000	.925	.000	.000	.000	.000	.000	.945

