

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 47 (Ferry St) & Pleasant St
 Ref Pt: 20+00.777
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 553_TH 47 (Ferry Street) and Pleasant Street
 Site Code : 1735325
 Start Date : 11/12/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 47/Ferry St Southbound					Pleasant St Westbound					TH 47/Ferry St Northbound					Pleasant St 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	
05:00 AM	0	122	5	0	127	0	0	7	0	7	6	15	0	0	21	2	0	0	0	2	157
05:15 AM	0	210	6	0	216	0	1	10	0	11	9	14	1	0	24	1	0	0	0	1	252
05:30 AM	0	195	6	0	201	2	1	6	0	9	5	26	0	1	32	0	0	0	0	0	242
05:45 AM	1	224	15	0	240	0	2	12	0	14	9	29	0	0	38	5	2	0	0	7	299
Total	1	751	32	0	784	2	4	35	0	41	29	84	1	1	115	8	2	0	0	10	950
06:00 AM	0	277	5	0	282	6	5	12	0	23	6	35	0	0	41	2	1	1	0	4	350
06:15 AM	0	243	8	0	251	6	3	19	0	28	21	35	0	0	56	4	2	0	0	6	341
06:30 AM	0	196	21	0	217	6	8	23	0	37	19	70	3	0	92	5	5	0	0	10	356
06:45 AM	0	240	28	0	268	8	7	24	0	39	27	58	3	0	88	5	10	0	0	15	410
Total	0	956	62	0	1018	26	23	78	0	127	73	198	6	0	277	16	18	1	0	35	1457
07:00 AM	0	206	24	0	230	16	9	23	0	48	16	66	0	0	82	10	9	0	0	19	379
07:15 AM	0	220	41	0	261	19	10	31	0	60	16	82	3	0	101	8	14	2	0	24	446
07:30 AM	0	164	34	0	198	24	10	27	0	61	24	85	5	0	114	6	13	0	0	19	392
07:45 AM	0	219	54	0	273	22	13	34	0	69	28	74	2	0	104	6	8	1	0	15	461
Total	0	809	153	0	962	81	42	115	0	238	84	307	10	0	401	30	44	3	0	77	1678
08:00 AM	0	184	36	0	220	19	7	16	0	42	24	96	3	0	123	8	12	0	0	20	405
08:15 AM	0	181	21	0	202	16	12	22	0	50	16	88	9	0	113	5	4	0	0	9	374
08:30 AM	0	157	16	0	173	10	5	15	0	30	22	73	1	0	96	2	4	0	0	6	305
08:45 AM	0	165	18	0	183	8	1	14	0	23	20	66	9	0	95	7	1	2	0	10	311
Total	0	687	91	0	778	53	25	67	0	145	82	323	22	0	427	22	21	2	0	45	1395
09:00 AM	1	157	14	0	172	13	4	8	0	25	18	58	3	0	79	12	5	1	0	18	294
09:15 AM	0	159	16	0	175	11	4	12	1	28	14	88	0	0	102	7	1	0	0	8	313
09:30 AM	0	177	22	0	199	15	7	21	0	43	14	92	2	0	108	6	9	1	0	16	366
09:45 AM	1	148	19	0	168	33	12	15	0	60	12	98	7	0	117	8	2	0	0	10	355
Total	2	641	71	0	714	72	27	56	1	156	58	336	12	0	406	33	17	2	0	52	1328
10:00 AM	0	113	10	0	123	12	7	11	0	30	7	93	4	0	104	4	4	0	0	8	265
10:15 AM	0	119	13	0	132	12	4	11	0	27	5	84	4	1	94	4	4	2	0	10	263
10:30 AM	0	125	18	0	143	16	2	15	0	33	10	72	2	0	84	4	2	2	0	8	268
10:45 AM	0	101	25	0	126	18	0	13	0	31	19	95	4	0	118	15	2	0	0	17	292
Total	0	458	66	0	524	58	13	50	0	121	41	344	14	1	400	27	12	4	0	43	1088
11:00 AM	1	146	18	0	165	14	2	14	0	30	9	69	3	0	81	25	17	2	0	44	320
11:15 AM	1	119	15	0	135	22	4	10	0	36	14	75	3	2	94	4	7	1	0	12	277
11:30 AM	0	127	14	0	141	12	6	15	0	33	13	100	1	0	114	9	7	1	0	17	305
11:45 AM	0	129	12	0	141	21	9	16	0	46	17	100	3	0	120	14	7	2	0	23	330
Total	2	521	59	0	582	69	21	55	0	145	53	344	10	2	409	52	38	6	0	96	1232
12:00 PM	0	137	21	0	158	31	1	19	0	51	12	94	7	0	113	14	2	1	0	17	339
12:15 PM	0	121	13	0	134	24	4	9	0	37	15	122	5	0	142	3	3	1	0	7	320
12:30 PM	0	141	14	0	155	16	8	18	0	42	23	109	3	0	135	8	9	1	0	18	350
12:45 PM	1	104	17	0	122	20	3	18	0	41	27	97	3	0	127	12	6	1	0	19	309
Total	1	503	65	0	569	91	16	64	0	171	77	422	18	0	517	37	20	4	0	61	1318
01:00 PM	1	119	10	0	130	15	7	18	0	40	21	115	4	0	140	11	4	1	0	16	326
01:15 PM	1	118	12	0	131	19	4	11	0	34	14	103	5	0	122	5	2	0	0	7	294
01:30 PM	0	133	19	0	152	20	2	13	0	35	25	117	2	0	144	4	3	0	0	7	338
01:45 PM	2	105	22	0	129	13	3	19	1	36	24	136	0	0	160	4	2	1	0	7	332
Total	4	475	63	0	542	67	16	61	1	145	84	471	11	0	566	24	11	2	0	37	1290

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 TURN MOVEMENT COUNT

File Name : 553_TH 47 (Ferry Street) and Pleasant Street
 Site Code : 1735325
 Start Date : 11/12/2019
 Page No : 2

Groups Printed- Cars - Trucks

Start Time	TH 47/Ferry St Southbound					Pleasant St Westbound					TH 47/Ferry St Northbound					Pleasant St 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	
02:00 PM	0	114	16	0	130	29	5	26	0	60	25	133	3	0	161	6	3	0	0	9	360
02:15 PM	0	104	17	0	121	20	5	21	0	46	33	173	2	0	208	11	7	2	0	20	395
02:30 PM	1	123	24	0	148	16	4	23	0	43	28	184	7	0	219	8	2	0	0	10	420
02:45 PM	1	109	20	0	130	26	4	22	0	52	37	211	6	0	254	9	6	0	0	15	451
Total	2	450	77	0	529	91	18	92	0	201	123	701	18	0	842	34	18	2	0	54	1626
03:00 PM	0	130	14	0	144	37	4	18	0	59	32	203	7	0	242	13	10	0	0	23	468
03:15 PM	0	137	13	0	150	33	12	20	0	65	30	230	5	0	265	18	11	2	0	31	511
03:30 PM	0	157	27	0	184	31	9	43	0	83	40	205	2	0	247	24	8	1	0	33	547
03:45 PM	1	125	17	0	143	32	5	25	0	62	32	198	7	1	238	14	10	1	0	25	468
Total	1	549	71	0	621	133	30	106	0	269	134	836	21	1	992	69	39	4	0	112	1994
04:00 PM	1	130	14	0	145	34	16	32	0	82	30	186	12	0	228	22	16	1	0	39	494
04:15 PM	0	142	21	0	163	37	7	29	0	73	55	195	6	0	256	7	16	1	0	24	516
04:30 PM	0	159	23	0	182	51	12	40	0	103	47	207	8	0	262	15	17	1	0	33	580
04:45 PM	0	146	18	0	164	34	8	25	0	67	45	181	2	0	228	7	3	0	0	10	469
Total	1	577	76	0	654	156	43	126	0	325	177	769	28	0	974	51	52	3	0	106	2059
05:00 PM	0	146	13	0	159	49	17	31	0	97	30	202	0	0	232	12	6	0	0	18	506
05:15 PM	0	150	18	0	168	37	10	18	0	65	33	203	9	0	245	4	4	0	0	8	486
05:30 PM	0	140	19	0	159	27	11	30	0	68	23	207	6	0	236	3	7	1	0	11	474
05:45 PM	0	123	14	0	137	21	1	11	0	33	33	187	4	0	224	4	7	3	1	15	409
Total	0	559	64	0	623	134	39	90	0	263	119	799	19	0	937	23	24	4	1	52	1875
06:00 PM	0	113	26	0	139	25	3	33	0	61	23	176	4	0	203	5	9	0	0	14	417
06:15 PM	0	131	18	0	149	20	0	16	0	36	30	162	3	0	195	3	5	0	0	8	388
06:30 PM	0	117	11	0	128	16	3	6	0	25	23	187	3	0	213	4	0	0	0	4	370
06:45 PM	0	93	10	0	103	17	3	13	0	33	20	134	7	1	162	2	0	0	0	2	300
Total	0	454	65	0	519	78	9	68	0	155	96	659	17	1	773	14	14	0	0	28	1475
07:00 PM	0	81	8	0	89	14	0	7	0	21	9	134	2	0	145	6	1	1	1	9	264
07:15 PM	0	81	6	0	87	14	0	7	0	21	10	110	5	0	125	2	1	0	0	3	236
07:30 PM	0	44	2	0	46	19	0	6	0	25	14	121	1	0	136	2	2	0	0	4	211
07:45 PM	0	62	6	0	68	13	2	9	0	24	12	125	3	0	140	3	0	0	0	3	235
Total	0	268	22	0	290	60	2	29	0	91	45	490	11	0	546	13	4	1	1	19	946
08:00 PM	0	53	5	0	58	13	4	5	0	22	13	111	0	0	124	1	1	0	0	2	206
08:15 PM	0	59	5	0	64	15	2	2	0	19	8	103	0	0	111	1	1	0	0	2	196
08:30 PM	0	52	5	0	57	12	1	11	0	24	7	105	2	0	114	2	1	0	0	3	198
08:45 PM	0	53	5	0	58	8	1	10	0	19	13	89	4	0	106	4	0	0	0	4	187
Total	0	217	20	0	237	48	8	28	0	84	41	408	6	0	455	8	3	0	0	11	787
09:00 PM	0	40	2	0	42	4	1	10	0	15	14	91	0	0	105	0	0	0	0	0	162
09:15 PM	0	44	3	0	47	9	0	3	0	12	5	85	3	0	93	0	1	1	0	2	154
09:30 PM	1	41	2	0	44	2	1	5	0	8	10	63	1	0	74	0	0	1	0	1	127
09:45 PM	1	30	2	0	33	4	0	1	0	5	7	62	0	0	69	0	0	0	0	0	107
Total	2	155	9	0	166	19	2	19	0	40	36	301	4	0	341	0	1	2	0	3	550
Grand Total	16	9030	1066	0	10112	1238	338	1139	2	2717	1352	7792	228	6	9378	461	338	40	2	841	23048
Apprch %	0.2	89.3	10.5	0		45.6	12.4	41.9	0.1		14.4	83.1	2.4	0.1		54.8	40.2	4.8	0.2		
Total %	0.1	39.2	4.6	0	43.9	5.4	1.5	4.9	0	11.8	5.9	33.8	1	0	40.7	2	1.5	0.2	0	3.6	
Cars	14	8719	1043	0	9776	1200	327	1111	2	2640	1326	7505	220	4	9055	447	319	39	2	807	22278
% Cars	87.5	96.6	97.8	0	96.7	96.9	96.7	97.5	100	97.2	98.1	96.3	96.5	66.7	96.6	97	94.4	97.5	100	96	96.7
Trucks	2	311	23	0	336	38	11	28	0	77	26	287	8	2	323	14	19	1	0	34	770
% Trucks	12.5	3.4	2.2	0	3.3	3.1	3.3	2.5	0	2.8	1.9	3.7	3.5	33.3	3.4	3	5.6	2.5	0	4	3.3

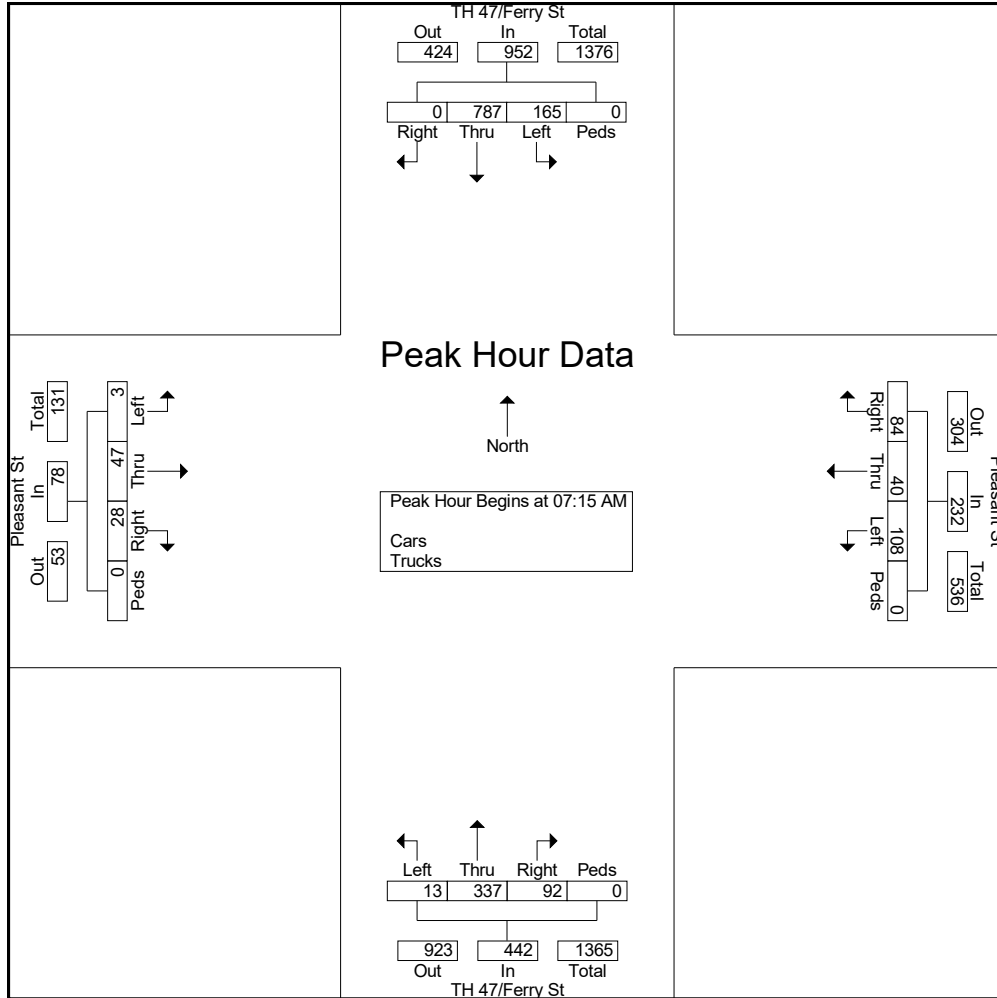
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File Name : 553_TH 47 (Ferry Street) and Pleasant Street
 Site Code : 1735325
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 Page No : 3

Start Time	TH 47/Ferry St Southbound					Pleasant St Westbound					TH 47/Ferry St Northbound					Pleasant St 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 05:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	220	41	0	261	19	10	31	0	60	16	82	3	0	101	8	14	2	0	24	446
07:30 AM	0	164	34	0	198	24	10	27	0	61	24	85	5	0	114	6	13	0	0	19	392
07:45 AM	0	219	54	0	273	22	13	34	0	69	28	74	2	0	104	6	8	1	0	15	461
08:00 AM	0	184	36	0	220	19	7	16	0	42	24	96	3	0	123	8	12	0	0	20	405
Total Volume	0	787	165	0	952	84	40	108	0	232	92	337	13	0	442	28	47	3	0	78	1704
% App. Total	0	82.7	17.3	0		36.2	17.2	46.6	0		20.8	76.2	2.9	0		35.9	60.3	3.8	0		
PHF	.000	.894	.764	.000	.872	.875	.769	.794	.000	.841	.821	.878	.650	.000	.898	.875	.839	.375	.000	.813	.924



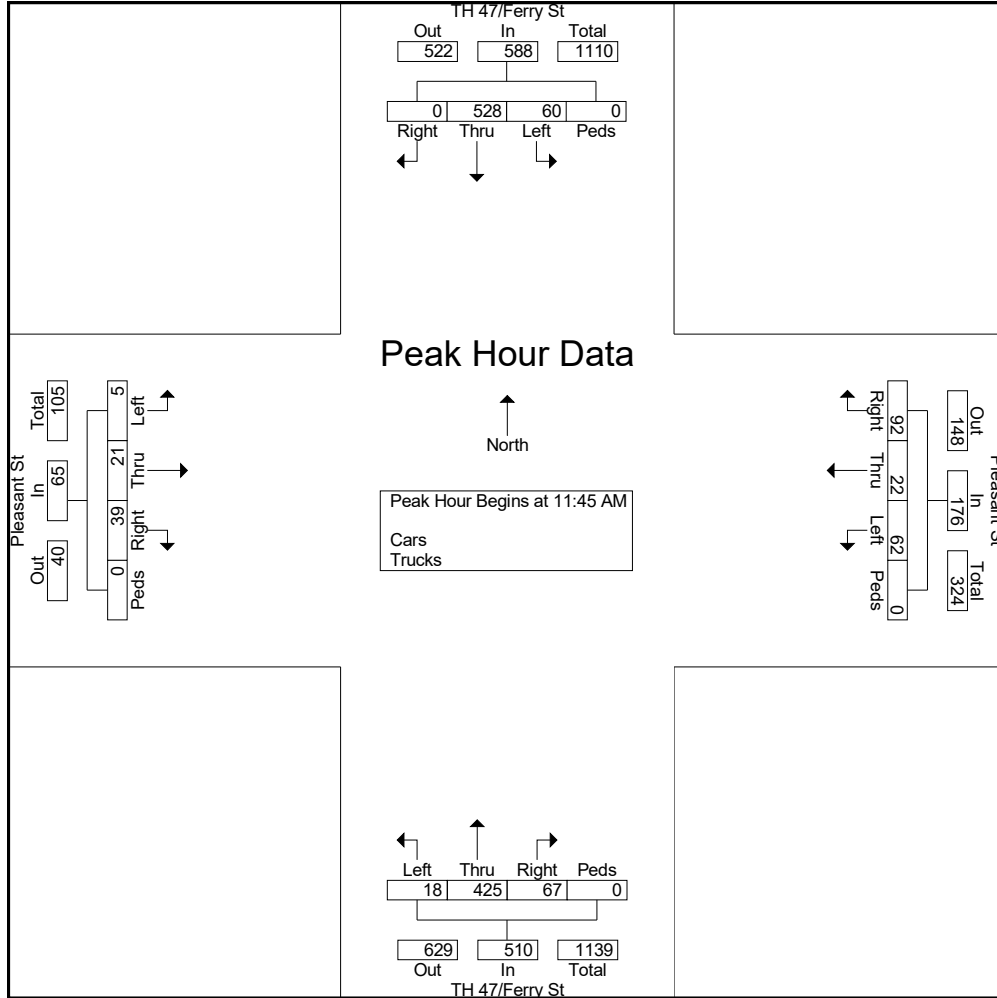
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File Name : 553_TH 47 (Ferry Street) and Pleasant Street
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 Start Date : 11/12/2019
 Page No : 4

Start Time	TH 47/Ferry St Southbound					Pleasant St Westbound					TH 47/Ferry St Northbound					Pleasant St 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 09:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	129	12	0	141	21	9	16	0	46	17	100	3	0	120	14	7	2	0	23	330
12:00 PM	0	137	21	0	158	31	1	19	0	51	12	94	7	0	113	14	2	1	0	17	339
12:15 PM	0	121	13	0	134	24	4	9	0	37	15	122	5	0	142	3	3	1	0	7	320
12:30 PM	0	141	14	0	155	16	8	18	0	42	23	109	3	0	135	8	9	1	0	18	350
Total Volume	0	528	60	0	588	92	22	62	0	176	67	425	18	0	510	39	21	5	0	65	1339
% App. Total	0	89.8	10.2	0		52.3	12.5	35.2	0		13.1	83.3	3.5	0		60	32.3	7.7	0		
PHF	.000	.936	.714	.000	.930	.742	.611	.816	.000	.863	.728	.871	.643	.000	.898	.696	.583	.625	.000	.707	.956



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File Name : 553_TH 47 (Ferry Street) and Pleasant Street
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 Page No : 5

Start Time	TH 47/Ferry St Southbound					Pleasant St Westbound					TH 47/Ferry St Northbound					Pleasant St 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 01:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	1	130	14	0	145	34	16	32	0	82	30	186	12	0	228	22	16	1	0	39	494
04:15 PM	0	142	21	0	163	37	7	29	0	73	55	195	6	0	256	7	16	1	0	24	516
04:30 PM	0	159	23	0	182	51	12	40	0	103	47	207	8	0	262	15	17	1	0	33	580
04:45 PM	0	146	18	0	164	34	8	25	0	67	45	181	2	0	228	7	3	0	0	10	469
Total Volume	1	577	76	0	654	156	43	126	0	325	177	769	28	0	974	51	52	3	0	106	2059
% App. Total	0.2	88.2	11.6	0		48	13.2	38.8	0		18.2	79	2.9	0		48.1	49.1	2.8	0		
PHF	.250	.907	.826	.000	.898	.765	.672	.788	.000	.789	.805	.929	.583	.000	.929	.580	.765	.750	.000	.679	.888

