

Alliant Engineering, Inc.

233 Park Ave Suite 300

Minneapolis, MN 55415

--TRAFFIC DATA--

TH 55 and Xenium Lane

Ref.Pt.: 180.86

data by : Alliant Inc.

TURN MOVEMENT COUNT

File Name : 414_TH 55 & Xenium Ln

Site Code : 414_____

Start Date : 2/6/2018

Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	Xenium Ln From North					TH 55 From East					Xenium Ln From South					TH 55 From West					Int. Total
	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
06:00 AM	0	23	29	22	74	0	10	44	3	57	0	2	6	2	10	0	44	136	34	214	355
06:15 AM	0	29	40	23	92	0	22	59	5	86	0	1	11	3	15	0	40	184	32	256	449
06:30 AM	0	35	29	31	95	0	26	93	0	119	0	3	3	4	10	0	45	275	45	365	589
06:45 AM	0	38	73	43	154	0	30	98	7	135	0	0	24	4	28	0	41	231	61	333	650
Total	0	125	171	119	415	0	88	294	15	397	0	6	44	13	63	0	170	826	172	1168	2043
07:00 AM	0	47	94	66	207	0	59	115	2	176	0	1	27	8	36	0	28	342	61	431	850
07:15 AM	0	46	126	74	246	0	52	102	4	158	0	0	44	12	56	0	12	449	126	587	1047
07:30 AM	0	40	165	99	304	0	73	132	4	209	0	1	63	19	83	0	12	366	95	473	1069
07:45 AM	0	41	164	95	300	0	90	228	7	325	0	2	54	11	67	0	12	431	100	543	1235
Total	0	174	549	334	1057	0	274	577	17	868	0	4	188	50	242	0	64	1588	382	2034	4201
08:00 AM	0	41	99	63	203	0	114	170	10	294	0	0	52	13	65	0	44	411	113	568	1130
08:15 AM	0	45	125	63	233	0	80	185	6	271	0	0	56	18	74	1	33	369	107	510	1088
08:30 AM	0	49	95	37	181	0	77	130	6	213	0	2	49	13	64	0	38	330	114	482	940
08:45 AM	0	48	79	38	165	0	58	162	7	227	0	0	43	21	64	0	28	260	84	372	828
Total	0	183	398	201	782	0	329	647	29	1005	0	2	200	65	267	1	143	1370	418	1932	3986
09:00 AM	0	52	45	47	144	0	51	122	7	180	0	6	40	21	67	0	33	182	68	283	674
09:15 AM	0	62	46	47	155	0	59	109	8	176	0	7	34	24	65	0	22	164	76	262	658
*** BREAK ***																					
Total	0	114	91	94	299	0	110	231	15	356	0	13	74	45	132	0	55	346	144	545	1332
*** BREAK ***																					
10:30 AM	0	72	35	29	136	0	33	130	4	167	0	5	29	15	49	0	18	96	76	190	542
10:45 AM	0	57	27	24	108	0	39	129	9	177	0	6	29	24	59	0	21	128	62	211	555
Total	0	129	62	53	244	0	72	259	13	344	0	11	58	39	108	0	39	224	138	401	1097
11:00 AM	0	69	36	29	134	0	41	134	11	186	0	8	31	34	73	0	14	125	68	207	600
11:15 AM	0	67	42	27	136	0	37	103	10	150	0	7	56	25	88	0	22	138	75	235	609
11:30 AM	0	50	34	37	121	1	39	143	5	188	0	10	84	54	148	0	17	128	85	230	687
11:45 AM	0	84	46	46	176	0	67	130	6	203	0	9	85	52	146	0	18	124	84	226	751
Total	0	270	158	139	567	1	184	510	32	727	0	34	256	165	455	0	71	515	312	898	2647
12:00 PM	0	89	44	34	167	0	54	171	11	236	0	10	79	38	127	0	22	122	61	205	735
12:15 PM	0	77	49	29	155	0	66	199	17	282	0	8	40	18	66	0	24	112	83	219	722
12:30 PM	0	85	49	23	157	0	48	139	14	201	0	11	80	33	124	0	27	101	90	218	700
12:45 PM	0	65	65	32	162	0	49	165	8	222	0	13	107	60	180	0	31	107	85	223	787
Total	0	316	207	118	641	0	217	674	50	941	0	42	306	149	497	0	104	442	319	865	2944
01:00 PM	0	69	43	32	144	0	39	195	11	245	0	9	70	41	120	0	21	113	73	207	716
01:15 PM	0	57	45	32	134	0	46	179	2	227	0	12	47	33	92	0	30	127	98	255	708
*** BREAK ***																					
Total	0	126	88	64	278	0	85	374	13	472	0	21	117	74	212	0	51	240	171	462	1424
*** BREAK ***																					
02:30 PM	0	66	29	39	134	0	46	187	3	236	0	6	66	36	108	0	11	126	82	219	697
02:45 PM	0	79	37	40	156	0	46	138	2	186	0	4	61	52	117	0	18	138	75	231	690
Total	0	145	66	79	290	0	92	325	5	422	0	10	127	88	225	0	29	264	157	450	1387
03:00 PM	0	82	34	47	163	0	36	204	11	251	0	3	62	55	120	0	18	140	69	227	761
03:15 PM	0	90	30	48	168	0	49	286	2	337	0	7	79	45	131	0	16	173	72	261	897
03:30 PM	0	108	37	37	182	0	56	235	0	291	0	17	93	75	185	0	18	218	65	301	959
03:45 PM	0	103	44	41	188	0	90	274	5	369	0	13	106	64	183	0	11	176	85	272	1012
Total	0	383	145	173	701	0	231	999	18	1248	0	40	340	239	619	0	63	707	291	1061	3629
04:00 PM	11	130	48	71	260	0	66	269	9	344	0	35	98	55	188	0	12	161	124	297	1089
04:15 PM	61	81	54	20	216	0	96	318	14	428	0	28	115	108	251	0	11	195	88	294	1189
04:30 PM	0	130	50	62	242	0	91	302	10	403	0	4	129	90	223	0	5	219	81	305	1173

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04:45 PM	0	102	55	51	208	0	93	322	14	429	0	26	137	96	259	0	15	221	91	327	1223
Total	72	443	207	204	926	0	346	1211	47	1604	0	93	479	349	921	0	43	796	384	1223	4674
05:00 PM	0	144	70	65	279	0	105	344	10	459	0	25	148	92	265	1	20	158	73	252	1255
05:15 PM	0	116	38	79	233	0	121	310	7	438	0	27	143	94	264	0	21	189	73	283	1218
05:30 PM	0	101	36	51	188	0	107	315	6	428	0	72	165	83	320	0	40	189	69	298	1234
05:45 PM	0	79	39	46	164	0	100	308	10	418	0	59	157	79	295	0	18	150	68	236	1113
Total	0	440	183	241	864	0	433	1277	33	1743	0	183	613	348	1144	1	99	686	283	1069	4820
Grand Total	72	2848	2325	1819	7064	1	2461	7378	287	10127	0	459	2802	1624	4885	2	931	8004	3171	12108	34184
Apprch %	1	40.3	32.9	25.8		0	24.3	72.9	2.8		0	9.4	57.4	33.2		0	7.7	66.1	26.2		
Total %	0.2	8.3	6.8	5.3	20.7	0	7.2	21.6	0.8	29.6	0	1.3	8.2	4.8	14.3	0	2.7	23.4	9.3	35.4	
Class 1	70	2792	2267	1787	6916	1	2397	7008	248	9654	0	426	2717	1537	4680	2	869	7709	3116	11696	32946
% Class 1	97.2	98	97.5	98.2	97.9	100	97.4	95	86.4	95.3	0	92.8	97	94.6	95.8	100	93.3	96.3	98.3	96.6	96.4
Class 2	2	56	58	32	148	0	64	370	39	473	0	33	85	87	205	0	62	295	55	412	1238
% Class 2	2.8	2	2.5	1.8	2.1	0	2.6	5	13.6	4.7	0	7.2	3	5.4	4.2	0	6.7	3.7	1.7	3.4	3.6

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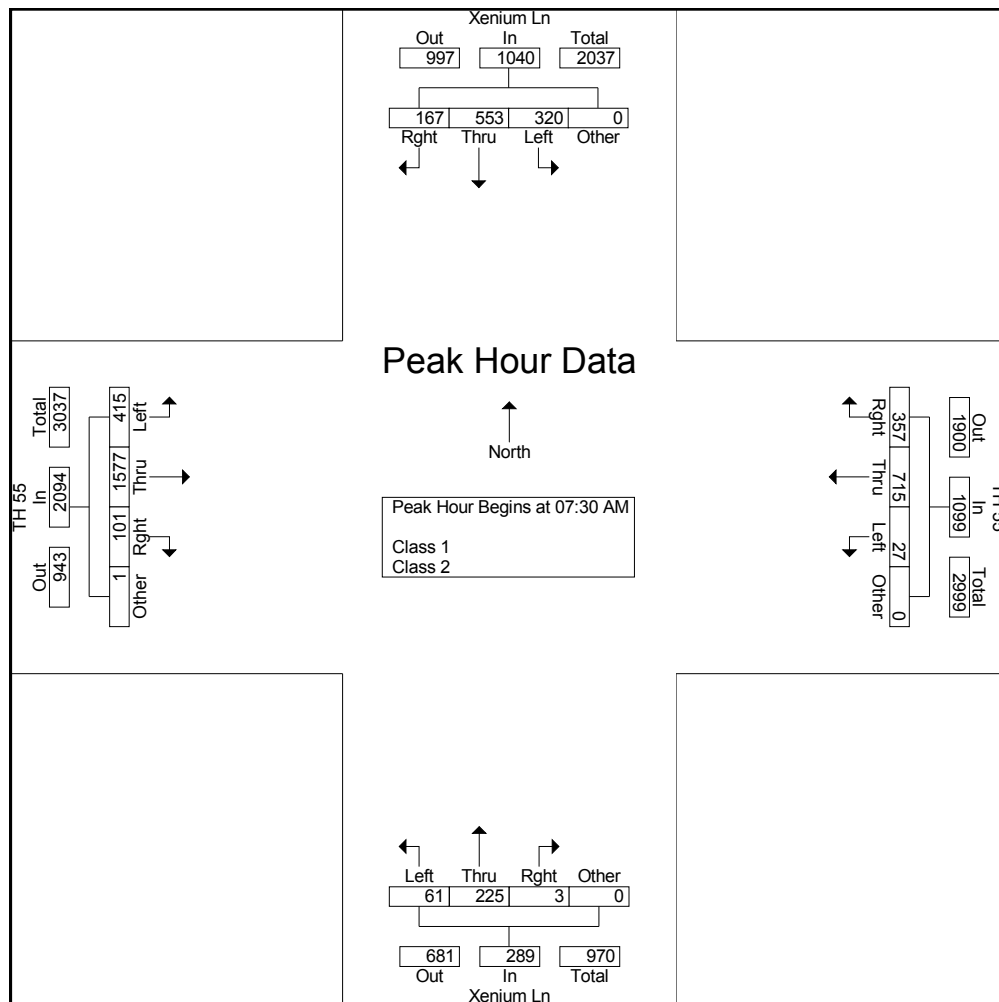
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	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	40	165	99	304	0	73	132	4	209	0	1	63	19	83	0	12	366	95	473	1069
07:45 AM	0	41	164	95	300	0	90	228	7	325	0	2	54	11	67	0	12	431	100	543	1235
08:00 AM	0	41	99	63	203	0	114	170	10	294	0	0	52	13	65	0	44	411	113	568	1130
08:15 AM	0	45	125	63	233	0	80	185	6	271	0	0	56	18	74	1	33	369	107	510	1088
Total Volume	0	167	553	320	1040	0	357	715	27	1099	0	3	225	61	289	1	101	1577	415	2094	4522
% App. Total	0	16.1	53.2	30.8		0	32.5	65.1	2.5		0	1	77.9	21.1		0	4.8	75.3	19.8		
PHF	.000	.928	.838	.808	.855	.000	.783	.784	.675	.845	.000	.375	.893	.803	.870	.250	.574	.915	.918	.922	.915



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Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	0	102	55	51	208	0	93	322	14	429	0	26	137	96	259	0	15	221	91	327	1223
05:00 PM	0	144	70	65	279	0	105	344	10	459	0	25	148	92	265	1	20	158	73	252	1255
05:15 PM	0	116	38	79	233	0	121	310	7	438	0	27	143	94	264	0	21	189	73	283	1218
05:30 PM	0	101	36	51	188	0	107	315	6	428	0	72	165	83	320	0	40	189	69	298	1234
Total Volume	0	463	199	246	908	0	426	1291	37	1754	0	150	593	365	1108	1	96	757	306	1160	4930
% App. Total	0	51	21.9	27.1		0	24.3	73.6	2.1		0	13.5	53.5	32.9		0.1	8.3	65.3	26.4		
PHF	.000	.804	.711	.778	.814	.000	.880	.938	.661	.955	.000	.521	.898	.951	.866	.250	.600	.856	.841	.887	.982

