

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & Beam Ave
 Ref Pt: 142+00.823
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 505_TH 61 and Beam Avenue
 Site Code : 1735487
 Start Date : 11/12/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					Beam Ave Westbound					TH 61 Northbound					Beam Ave 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	27	4	0	31	1	0	4	0	5	5	22	3	0	30	2	0	3	0	5	71
05:15 AM	3	30	8	0	41	1	1	7	0	9	12	38	1	0	51	3	2	0	0	5	106
05:30 AM	2	52	14	0	68	5	0	10	0	15	13	70	1	0	84	2	2	0	0	4	171
05:45 AM	1	65	17	0	83	3	3	13	0	19	25	62	1	0	88	5	0	2	0	7	197
Total	6	174	43	0	223	10	4	34	0	48	55	192	6	0	253	12	4	5	0	21	545
06:00 AM	4	96	41	0	141	7	0	17	0	24	27	56	4	0	87	10	1	2	0	13	265
06:15 AM	10	130	36	0	176	13	2	27	0	42	36	67	7	0	110	11	1	2	0	14	342
06:30 AM	11	235	46	0	292	14	4	39	0	57	40	80	9	0	129	3	6	3	0	12	490
06:45 AM	13	267	72	0	352	8	6	35	0	49	77	119	18	0	214	10	7	3	0	20	635
Total	38	728	195	0	961	42	12	118	0	172	180	322	38	0	540	34	15	10	0	59	1732
07:00 AM	14	311	52	0	377	18	3	33	0	54	72	98	13	0	183	7	6	7	0	20	634
07:15 AM	8	338	53	0	399	17	4	69	0	90	79	143	9	0	231	11	3	5	0	19	739
07:30 AM	8	347	66	0	421	21	3	59	0	83	100	134	10	0	244	7	5	10	0	22	770
07:45 AM	13	329	68	0	410	26	3	51	1	81	105	155	12	1	273	2	11	7	0	20	784
Total	43	1325	239	0	1607	82	13	212	1	308	356	530	44	1	931	27	25	29	0	81	2927
08:00 AM	7	252	52	0	311	27	5	71	0	103	78	144	10	0	232	6	5	6	0	17	663
08:15 AM	18	250	44	0	312	25	7	50	0	82	82	125	12	0	219	5	6	11	0	22	635
08:30 AM	18	183	54	0	255	38	5	58	0	101	70	94	11	1	176	6	8	8	0	22	554
08:45 AM	14	212	46	0	272	31	4	52	0	87	97	144	14	0	255	6	10	7	0	23	637
Total	57	897	196	0	1150	121	21	231	0	373	327	507	47	1	882	23	29	32	0	84	2489
09:00 AM	9	145	64	0	218	35	4	65	1	105	73	106	13	1	193	7	13	11	0	31	547
09:15 AM	3	126	63	0	192	32	7	69	0	108	87	131	17	0	235	10	9	3	0	22	557
09:30 AM	7	109	66	0	182	43	7	82	0	132	99	129	12	0	240	8	5	7	0	20	574
09:45 AM	13	104	61	0	178	34	4	68	0	106	112	87	8	0	207	3	9	6	0	18	509
Total	32	484	254	0	770	144	22	284	1	451	371	453	50	1	875	28	36	27	0	91	2187
10:00 AM	17	107	66	0	190	44	5	76	0	125	108	103	10	1	222	3	7	8	0	18	555
10:15 AM	17	97	67	0	181	61	7	87	0	155	122	91	11	0	224	3	7	8	0	18	578
10:30 AM	9	106	60	0	175	49	12	98	0	159	122	131	12	0	265	12	14	8	0	34	633
10:45 AM	14	120	69	0	203	64	5	85	0	154	131	135	6	0	272	4	17	11	0	32	661
Total	57	430	262	0	749	218	29	346	0	593	483	460	39	1	983	22	45	35	0	102	2427
11:00 AM	10	130	71	0	211	67	11	98	0	176	121	139	12	0	272	5	10	11	0	26	685
11:15 AM	14	109	61	0	184	95	9	133	0	237	132	135	16	1	284	9	8	7	0	24	729
11:30 AM	10	124	73	0	207	77	12	124	0	213	128	137	8	0	273	8	6	10	0	24	717
11:45 AM	10	136	54	0	200	94	13	131	0	238	131	139	11	0	281	6	11	8	0	25	744
Total	44	499	259	0	802	333	45	486	0	864	512	550	47	1	1110	28	35	36	0	99	2875
12:00 PM	10	140	56	0	206	76	7	114	0	197	115	145	6	0	266	5	10	6	0	21	690
12:15 PM	13	117	79	0	209	82	13	130	0	225	146	133	16	0	295	11	7	13	0	31	760
12:30 PM	8	149	90	0	247	76	9	164	0	249	127	126	22	0	275	5	11	12	0	28	799
12:45 PM	10	119	69	0	198	91	10	132	0	233	120	150	20	0	290	7	11	5	0	23	744
Total	41	525	294	0	860	325	39	540	0	904	508	554	64	0	1126	28	39	36	0	103	2993
01:00 PM	13	103	64	0	180	97	6	129	0	232	134	131	15	0	280	11	6	10	0	27	719
01:15 PM	8	125	72	0	205	81	8	126	0	215	133	154	12	0	299	5	10	6	0	21	740
01:30 PM	10	140	83	0	233	98	6	115	0	219	128	180	10	0	318	10	8	10	0	28	798
01:45 PM	13	145	79	0	237	84	9	120	0	213	129	178	13	0	320	4	5	12	0	21	791
Total	44	513	298	0	855	360	29	490	0	879	524	643	50	0	1217	30	29	38	0	97	3048

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & Beam Ave
 Ref Pt: 142+00.823
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 505_TH 61 and Beam Avenue
 Site Code : 1735487
 Start Date : 11/12/2019
 Page No : 2

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					Beam Ave Westbound					TH 61 Northbound					Beam Ave 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	10	162	80	0	252	109	9	146	0	264	109	127	13	0	249	5	14	15	0	34	799
02:15 PM	14	147	64	0	225	98	11	121	1	231	128	162	16	0	306	6	9	9	0	24	786
02:30 PM	14	175	68	0	257	83	5	126	0	214	125	219	15	0	359	7	7	5	0	19	849
02:45 PM	13	185	86	0	284	101	9	135	0	245	152	220	16	1	389	11	7	8	0	26	944
Total	51	669	298	0	1018	391	34	528	1	954	514	728	60	1	1303	29	37	37	0	103	3378
03:00 PM	12	166	69	0	247	89	11	132	0	232	116	233	21	0	370	11	13	19	0	43	892
03:15 PM	9	203	68	0	280	103	12	134	2	251	144	224	16	2	386	13	14	7	0	34	951
03:30 PM	10	222	83	0	315	97	6	154	0	257	128	212	21	0	361	10	10	12	0	32	965
03:45 PM	17	195	80	0	292	91	9	140	0	240	150	265	17	0	432	13	12	14	0	39	1003
Total	48	786	300	0	1134	380	38	560	2	980	538	934	75	2	1549	47	49	52	0	148	3811
04:00 PM	9	206	85	0	300	104	17	134	0	255	107	263	21	0	391	7	15	17	0	39	985
04:15 PM	7	239	66	0	312	81	14	134	0	229	140	325	13	0	478	15	9	13	0	37	1056
04:30 PM	9	239	88	0	336	87	13	148	0	248	152	362	13	1	528	8	7	12	0	27	1139
04:45 PM	20	203	95	0	318	94	18	136	0	248	147	368	10	3	528	10	6	15	3	34	1128
Total	45	887	334	0	1266	366	62	552	0	980	546	1318	57	4	1925	40	37	57	3	137	4308
05:00 PM	14	180	76	0	270	95	16	148	0	259	147	347	26	0	520	15	8	9	0	32	1081
05:15 PM	13	158	74	0	245	73	12	168	0	253	138	335	21	0	494	13	1	13	0	27	1019
05:30 PM	16	151	68	0	235	66	16	118	0	200	133	313	32	0	478	11	8	9	0	28	941
05:45 PM	14	130	61	0	205	73	8	117	0	198	151	235	14	1	401	10	4	11	0	25	829
Total	57	619	279	0	955	307	52	551	0	910	569	1230	93	1	1893	49	21	42	0	112	3870
06:00 PM	13	158	73	0	244	75	12	117	0	204	130	189	13	0	332	6	8	11	0	25	805
06:15 PM	8	121	55	0	184	59	5	93	0	157	99	168	14	3	284	6	8	15	0	29	654
06:30 PM	6	109	55	0	170	51	13	115	0	179	94	131	9	0	234	5	8	10	0	23	606
06:45 PM	15	105	37	0	157	44	5	92	0	141	95	120	10	0	225	4	4	11	0	19	542
Total	42	493	220	0	755	229	35	417	0	681	418	608	46	3	1075	21	28	47	0	96	2607
07:00 PM	6	88	27	0	121	58	4	97	0	159	71	108	6	0	185	6	5	10	0	21	486
07:15 PM	2	87	29	0	118	56	3	83	0	142	60	81	12	0	153	6	3	9	0	18	431
07:30 PM	7	81	22	0	110	58	6	82	0	146	67	78	8	0	153	5	6	12	0	23	432
07:45 PM	11	74	23	0	108	48	9	77	0	134	45	69	11	1	126	5	5	4	0	14	382
Total	26	330	101	0	457	220	22	339	0	581	243	336	37	1	617	22	19	35	0	76	1731
08:00 PM	11	67	25	0	103	38	1	100	0	139	30	78	4	1	113	6	5	8	0	19	374
08:15 PM	10	75	11	0	96	25	7	70	0	102	25	62	8	0	95	5	4	12	0	21	314
08:30 PM	5	72	18	0	95	38	9	62	0	109	25	58	6	0	89	8	2	9	0	19	312
08:45 PM	3	59	10	0	72	22	7	60	0	89	23	47	4	1	75	6	1	5	0	12	248
Total	29	273	64	0	366	123	24	292	0	439	103	245	22	2	372	25	12	34	0	71	1248
09:00 PM	5	53	9	0	67	17	3	56	0	76	17	70	10	0	97	5	4	5	0	14	254
09:15 PM	3	45	11	0	59	15	0	38	0	53	23	52	2	0	77	0	2	2	0	4	193
09:30 PM	3	46	5	0	54	7	2	39	0	48	15	49	5	0	69	3	0	1	0	4	175
09:45 PM	1	37	7	0	45	14	4	40	1	59	16	34	6	1	57	6	4	3	0	13	174
Total	12	181	32	0	225	53	9	173	1	236	71	205	23	1	300	14	10	11	0	35	796
Grand Total	672	9813	3668	0	14153	3704	490	6153	6	10353	6318	9815	798	20	16951	479	470	563	3	1515	42972
Apprch %	4.7	69.3	25.9	0		35.8	4.7	59.4	0.1		37.3	57.9	4.7	0.1		31.6	31	37.2	0.2		
Total %	1.6	22.8	8.5	0	32.9	8.6	1.1	14.3	0	24.1	14.7	22.8	1.9	0	39.4	1.1	1.1	1.3	0	3.5	
Cars	655	9588	3597	0	13840	3659	483	6034	6	10182	6218	9592	782	17	16609	469	457	556	3	1485	42116
% Cars	97.5	97.7	98.1	0	97.8	98.8	98.6	98.1	100	98.3	98.4	97.7	98	85	98	97.9	97.2	98.8	100	98	98
Trucks	17	225	71	0	313	45	7	119	0	171	100	223	16	3	342	10	13	7	0	30	856
% Trucks	2.5	2.3	1.9	0	2.2	1.2	1.4	1.9	0	1.7	1.6	2.3	2	15	2	2.1	2.8	1.2	0	2	2

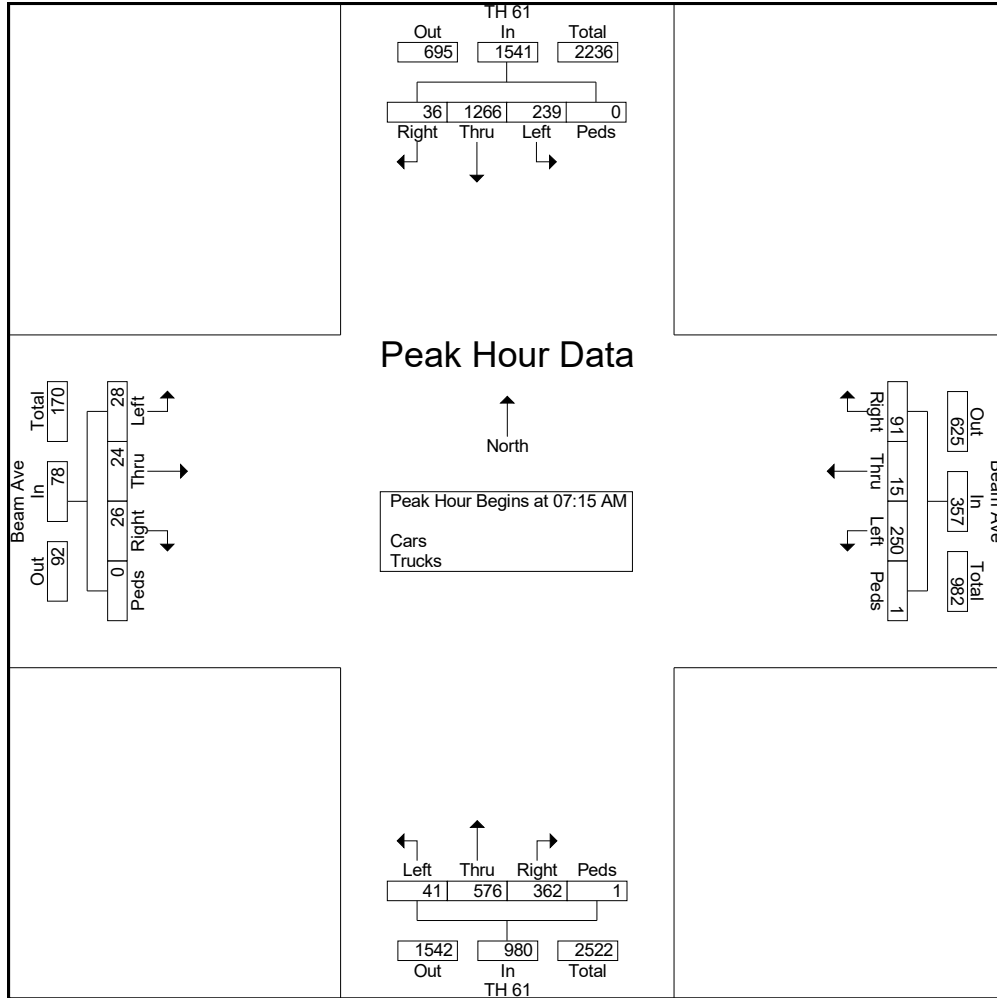
ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & Beam Ave
 Ref Pt: 142+00.823
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 505_TH 61 and Beam Avenue
 Site Code : 1735487
 Start Date : 11/12/2019
 Page No : 3

Start Time	TH 61 Southbound					Beam Ave Westbound					TH 61 Northbound					Beam Ave 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	8	338	53	0	399	17	4	69	0	90	79	143	9	0	231	11	3	5	0	19	739
07:30 AM	8	347	66	0	421	21	3	59	0	83	100	134	10	0	244	7	5	10	0	22	770
07:45 AM	13	329	68	0	410	26	3	51	1	81	105	155	12	1	273	2	11	7	0	20	784
08:00 AM	7	252	52	0	311	27	5	71	0	103	78	144	10	0	232	6	5	6	0	17	663
Total Volume	36	1266	239	0	1541	91	15	250	1	357	362	576	41	1	980	26	24	28	0	78	2956
% App. Total	2.3	82.2	15.5	0		25.5	4.2	70	0.3		36.9	58.8	4.2	0.1		33.3	30.8	35.9	0		
PHF	.692	.912	.879	.000	.915	.843	.750	.880	.250	.867	.862	.929	.854	.250	.897	.591	.545	.700	.000	.886	.943



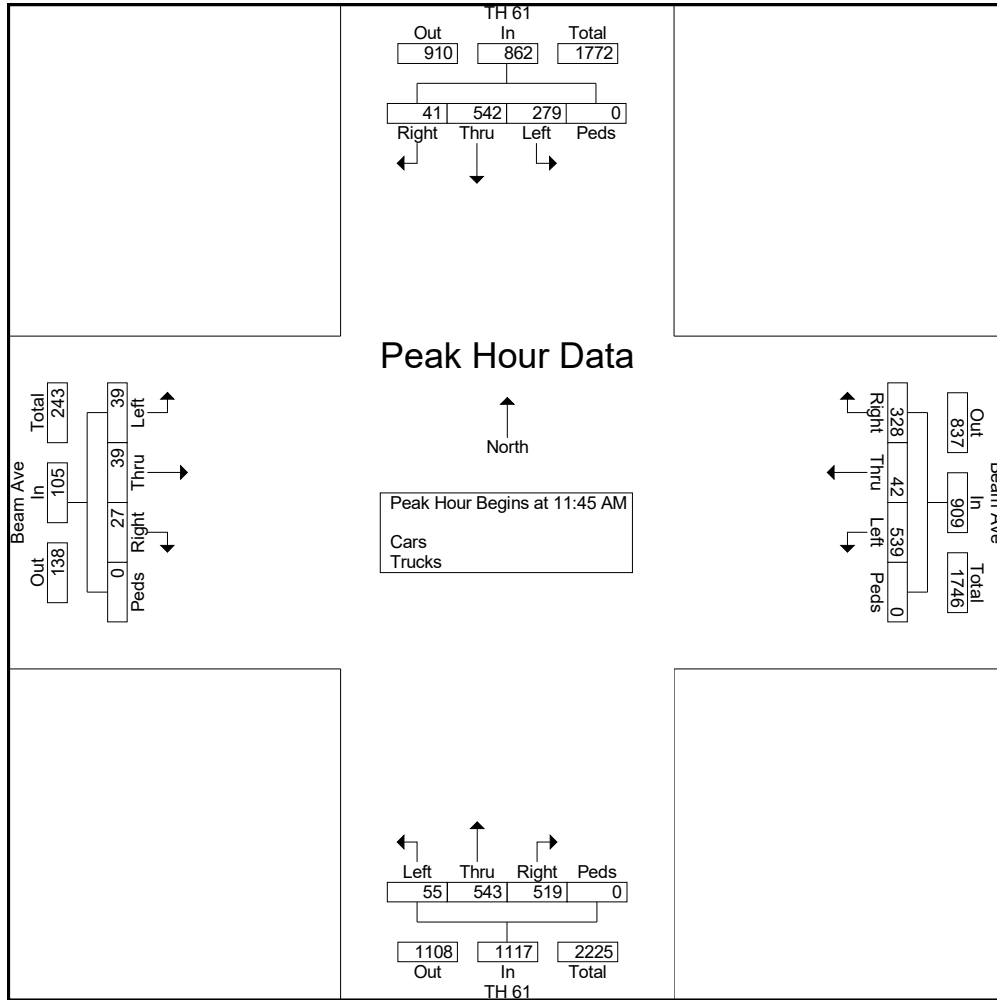
ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & Beam Ave
 Ref Pt: 142+00.823
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 505_TH 61 and Beam Avenue
 Site Code : 1735487
 Start Date : 11/12/2019
 Page No : 4

Start Time	TH 61 Southbound					Beam Ave Westbound					TH 61 Northbound					Beam Ave 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	10	136	54	0	200	94	13	131	0	238	131	139	11	0	281	6	11	8	0	25	744
12:00 PM	10	140	56	0	206	76	7	114	0	197	115	145	6	0	266	5	10	6	0	21	690
12:15 PM	13	117	79	0	209	82	13	130	0	225	146	133	16	0	295	11	7	13	0	31	760
12:30 PM	8	149	90	0	247	76	9	164	0	249	127	126	22	0	275	5	11	12	0	28	799
Total Volume	41	542	279	0	862	328	42	539	0	909	519	543	55	0	1117	27	39	39	0	105	2993
% App. Total	4.8	62.9	32.4	0		36.1	4.6	59.3	0		46.5	48.6	4.9	0		25.7	37.1	37.1	0		
PHF	.788	.909	.775	.000	.872	.872	.808	.822	.000	.913	.889	.936	.625	.000	.947	.614	.886	.750	.000	.847	.936



ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & Beam Ave
 Ref Pt: 142+00.823
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 505_TH 61 and Beam Avenue
 Site Code : 1735487
 Start Date : 11/12/2019
 Page No : 5

Start Time	TH 61 Southbound					Beam Ave Westbound					TH 61 Northbound					Beam Ave 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	9	206	85	0	300	104	17	134	0	255	107	263	21	0	391	7	15	17	0	39	985
04:15 PM	7	239	66	0	312	81	14	134	0	229	140	325	13	0	478	15	9	13	0	37	1056
04:30 PM	9	239	88	0	336	87	13	148	0	248	152	362	13	1	528	8	7	12	0	27	1139
04:45 PM	20	203	95	0	318	94	18	136	0	248	147	368	10	3	528	10	6	15	3	34	1128
Total Volume	45	887	334	0	1266	366	62	552	0	980	546	1318	57	4	1925	40	37	57	3	137	4308
% App. Total	3.6	70.1	26.4	0		37.3	6.3	56.3	0		28.4	68.5	3	0.2		29.2	27	41.6	2.2		
PHF	.563	.928	.879	.000	.942	.880	.861	.932	.000	.961	.898	.895	.679	.333	.911	.667	.617	.838	.250	.878	.946

