

ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

US 169 (Ferry St) & Main St
 City: Anoka
 data by: Spack Solutions
 TURN MOVEMENT COUNT

File Name : US 169 (Ferry St) & Main St_2021
 Site Code : 1735721
 Start Date : 11/10/2021
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	US 169 (Ferry St) Southbound					Main St Westbound					US 169 (Ferry St) Northbound					Main 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 AM	2	287	0	0	289	61	5	4	0	70	23	73	42	0	138	0	11	109	0	120	617
06:15 AM	2	292	0	0	294	70	9	0	0	79	29	119	77	1	226	0	15	113	0	128	727
06:30 AM	5	321	0	0	326	108	8	3	0	119	56	132	118	0	306	0	25	110	0	135	886
06:45 AM	7	308	1	0	316	87	7	4	0	98	53	155	136	0	344	0	31	138	0	169	927
Total	16	1208	1	0	1225	326	29	11	0	366	161	479	373	1	1014	0	82	470	0	552	3157
07:00 AM	12	331	1	0	344	108	17	11	0	136	49	160	102	0	311	5	24	130	0	159	950
07:15 AM	4	313	2	0	319	124	21	6	0	151	84	175	147	0	406	5	47	144	0	196	1072
07:30 AM	12	302	3	0	317	159	25	9	0	193	107	172	133	0	412	3	34	120	0	157	1079
07:45 AM	17	312	4	3	336	132	38	9	0	179	72	177	147	0	396	3	65	107	0	175	1086
Total	45	1258	10	3	1316	523	101	35	0	659	312	684	529	0	1525	16	170	501	0	687	4187
08:00 AM	10	241	2	0	253	101	39	12	0	152	64	169	107	0	340	1	44	114	0	159	904
08:15 AM	12	217	4	0	233	95	27	7	0	129	55	165	112	1	333	6	30	93	0	129	824
08:30 AM	19	195	6	2	222	91	33	8	0	132	46	129	103	0	278	9	43	100	0	152	784
08:45 AM	9	210	10	1	230	86	41	11	0	138	63	131	89	0	283	7	40	105	2	154	805
Total	50	863	22	3	938	373	140	38	0	551	228	594	411	1	1234	23	157	412	2	594	3317
09:00 AM	13	180	16	1	210	76	40	14	0	130	44	132	81	0	257	4	42	92	1	139	736
09:15 AM	13	182	10	5	210	105	38	11	2	156	60	141	99	1	301	10	52	85	0	147	814
09:30 AM	15	168	15	2	200	82	37	12	0	131	47	152	132	3	334	11	43	86	0	140	805
09:45 AM	25	134	22	0	181	89	36	14	0	139	53	131	88	1	273	6	44	96	0	146	739
Total	66	664	63	8	801	352	151	51	2	556	204	556	400	5	1165	31	181	359	1	572	3094
10:00 AM	15	161	4	0	180	88	31	9	0	128	36	132	96	2	266	10	44	83	0	137	711
10:15 AM	8	146	2	0	156	105	34	4	1	144	48	121	110	0	279	8	39	65	0	112	691
10:30 AM	15	152	5	1	173	81	37	12	0	130	39	148	106	0	293	6	43	86	0	135	731
10:45 AM	17	159	9	0	185	106	34	16	0	156	46	136	81	1	264	7	52	68	0	127	732
Total	55	618	20	1	694	380	136	41	1	558	169	537	393	3	1102	31	178	302	0	511	2865
11:00 AM	18	132	4	0	154	120	44	11	0	175	31	181	113	0	325	4	46	86	0	136	790
11:15 AM	19	149	7	0	175	103	44	21	0	168	44	145	92	0	281	12	51	86	0	149	773
11:30 AM	17	179	3	0	199	103	36	10	0	149	63	160	114	1	338	5	42	78	0	125	811
11:45 AM	22	142	4	3	171	143	48	15	0	206	65	156	123	3	347	6	40	48	0	94	818
Total	76	602	18	3	699	469	172	57	0	698	203	642	442	4	1291	27	179	298	0	504	3192
12:00 PM	20	137	6	3	166	132	49	13	0	194	45	142	101	0	288	8	52	87	0	147	795
12:15 PM	16	158	5	2	181	108	34	18	0	160	42	184	98	1	325	6	51	77	0	134	800
12:30 PM	12	154	6	1	173	136	60	15	2	213	54	200	114	0	368	7	60	92	0	159	913
12:45 PM	17	147	5	2	171	122	40	14	0	176	56	170	128	2	356	5	44	65	0	114	817
Total	65	596	22	8	691	498	183	60	2	743	197	696	441	3	1337	26	207	321	0	554	3325
01:00 PM	18	145	4	2	169	122	53	13	0	188	47	168	123	0	338	11	55	75	0	141	836
01:15 PM	15	140	1	0	156	110	45	9	0	164	50	178	147	0	375	11	38	67	1	117	812
01:30 PM	18	146	4	0	168	119	44	6	0	169	61	221	113	1	396	4	35	79	1	119	852
01:45 PM	17	120	4	0	141	138	48	16	2	204	62	209	145	5	421	3	59	63	0	125	891
Total	68	551	13	2	634	489	190	44	2	725	220	776	528	6	1530	29	187	284	2	502	3391
02:00 PM	17	183	5	1	206	95	55	24	0	174	62	222	118	1	403	7	53	107	0	167	950
02:15 PM	9	157	2	1	169	151	64	17	0	232	89	232	124	0	445	10	49	99	0	158	1004
02:30 PM	17	181	6	1	205	125	56	13	0	194	69	226	144	0	439	7	57	98	0	162	1000
02:45 PM	16	164	8	2	190	128	53	12	1	194	79	282	157	1	519	8	59	75	0	142	1045
Total	59	685	21	5	770	499	228	66	1	794	299	962	543	2	1806	32	218	379	0	629	3999
03:00 PM	22	179	4	1	206	150	79	17	0	246	98	308	167	0	573	11	54	118	0	183	1208

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 Site Code : 1735721
 Start Date : 11/10/2021
 Page No : 2

Groups Printed- Cars - Trucks

Start Time	US 169 (Ferry St) Southbound					Main St Westbound					US 169 (Ferry St) Northbound					Main 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	
03:15 PM	14	175	6	2	197	112	93	21	0	226	88	306	157	2	553	11	54	106	1	172	1148
03:30 PM	10	214	7	2	233	170	79	7	1	257	96	306	139	0	541	5	39	105	0	149	1180
03:45 PM	11	197	6	2	216	166	84	14	1	265	68	317	144	1	530	7	41	110	0	158	1169
Total	57	765	23	7	852	598	335	59	2	994	350	1237	607	3	2197	34	188	439	1	662	4705
04:00 PM	23	150	8	0	181	157	61	4	0	222	103	287	146	0	536	18	58	144	0	220	1159
04:15 PM	23	238	2	1	264	165	75	9	0	249	80	285	170	0	535	4	46	113	1	164	1212
04:30 PM	15	189	4	0	208	156	73	12	0	241	83	307	183	0	573	14	52	127	0	193	1215
04:45 PM	15	201	7	0	223	180	65	6	0	251	93	298	135	0	526	10	55	112	0	177	1177
Total	76	778	21	1	876	658	274	31	0	963	359	1177	634	0	2170	46	211	496	1	754	4763
05:00 PM	17	189	7	1	214	143	56	16	1	216	75	299	144	1	519	9	35	125	0	169	1118
05:15 PM	12	188	8	0	208	115	36	17	0	168	85	326	119	0	530	7	42	117	0	166	1072
05:30 PM	17	167	2	0	186	148	46	11	0	205	89	300	132	0	521	14	44	84	0	142	1054
05:45 PM	12	115	1	0	128	81	35	8	0	124	89	306	142	0	537	10	47	88	0	145	934
Total	58	659	18	1	736	487	173	52	1	713	338	1231	537	1	2107	40	168	414	0	622	4178
06:00 PM	9	149	4	0	162	104	39	4	0	147	89	322	156	1	568	4	42	90	0	136	1013
06:15 PM	11	128	5	1	145	108	24	13	0	145	75	294	153	0	522	4	31	71	0	106	918
06:30 PM	17	141	2	0	160	89	35	14	0	138	57	185	117	0	359	3	40	63	0	106	763
06:45 PM	3	111	3	0	117	60	20	9	0	89	52	198	94	0	344	3	32	36	0	71	621
Total	40	529	14	1	584	361	118	40	0	519	273	999	520	1	1793	14	145	260	0	419	3315
Grand Total	731	9776	266	43	10816	6013	2230	585	11	8839	3313	10570	6358	30	20271	349	2271	4935	7	7562	47488
Apprch %	6.8	90.4	2.5	0.4		68	25.2	6.6	0.1		16.3	52.1	31.4	0.1		4.6	30	65.3	0.1		
Total %	1.5	20.6	0.6	0.1	22.8	12.7	4.7	1.2	0	18.6	7	22.3	13.4	0.1	42.7	0.7	4.8	10.4	0	15.9	
Cars	715	9434	258	42	10449	5881	2157	567	11	8616	3172	10187	6218	26	19603	336	2191	4711	5	7243	45911
% Cars	97.8	96.5	97	97.7	96.6	97.8	96.7	96.9	100	97.5	95.7	96.4	97.8	86.7	96.7	96.3	96.5	95.5	71.4	95.8	96.7
Trucks	16	342	8	1	367	132	73	18	0	223	141	383	140	4	668	13	80	224	2	319	1577
% Trucks	2.2	3.5	3	2.3	3.4	2.2	3.3	3.1	0	2.5	4.3	3.6	2.2	13.3	3.3	3.7	3.5	4.5	28.6	4.2	3.3

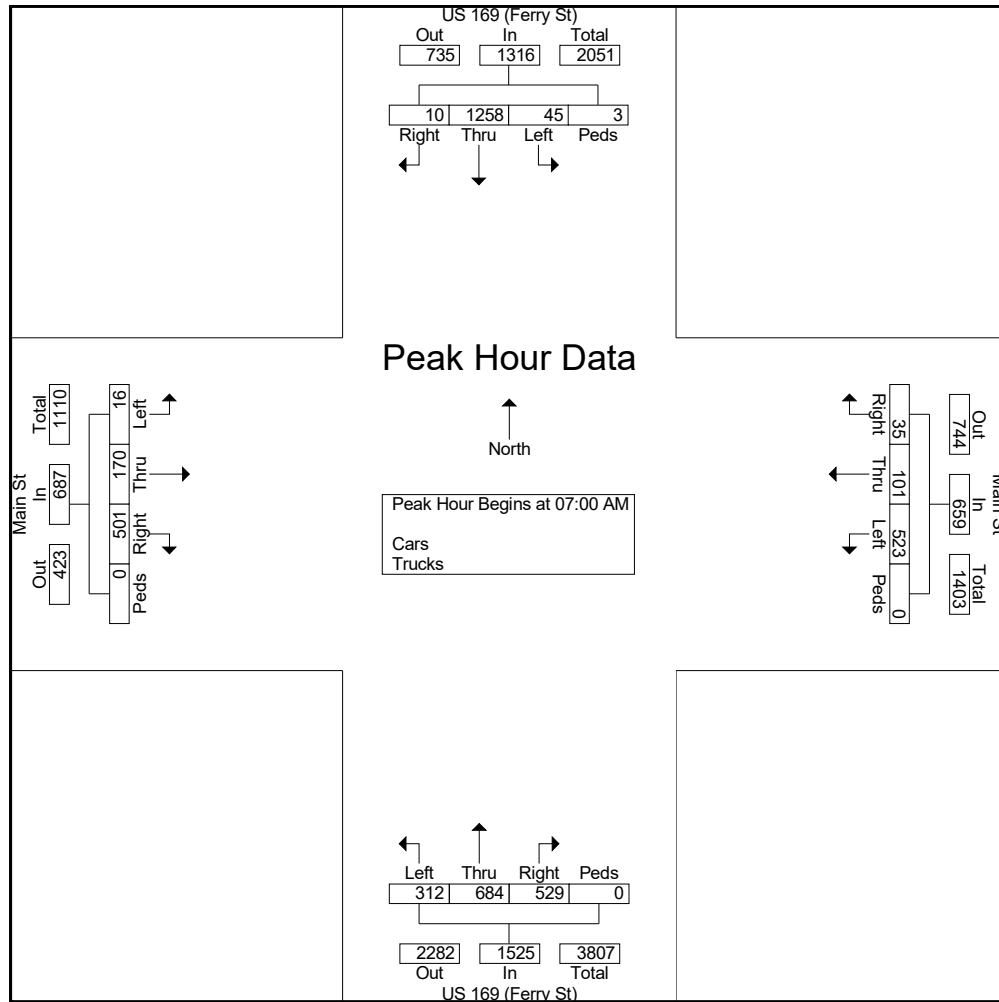
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Start Time	US 169 (Ferry St) Southbound					Main St Westbound					US 169 (Ferry St) Northbound					Main St Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	12	331	1	0	344	108	17	11	0	136	49	160	102	0	311	5	24	130	0	159	950
07:15 AM	4	313	2	0	319	124	21	6	0	151	84	175	147	0	406	5	47	144	0	196	1072
07:30 AM	12	302	3	0	317	159	25	9	0	193	107	172	133	0	412	3	34	120	0	157	1079
07:45 AM	17	312	4	3	336	132	38	9	0	179	72	177	147	0	396	3	65	107	0	175	1086
Total Volume	45	1258	10	3	1316	523	101	35	0	659	312	684	529	0	1525	16	170	501	0	687	4187
% App. Total	3.4	95.6	0.8	0.2		79.4	15.3	5.3	0		20.5	44.9	34.7	0		2.3	24.7	72.9	0		
PHF	.662	.950	.625	.250	.956	.822	.664	.795	.000	.854	.729	.966	.900	.000	.925	.800	.654	.870	.000	.876	.964



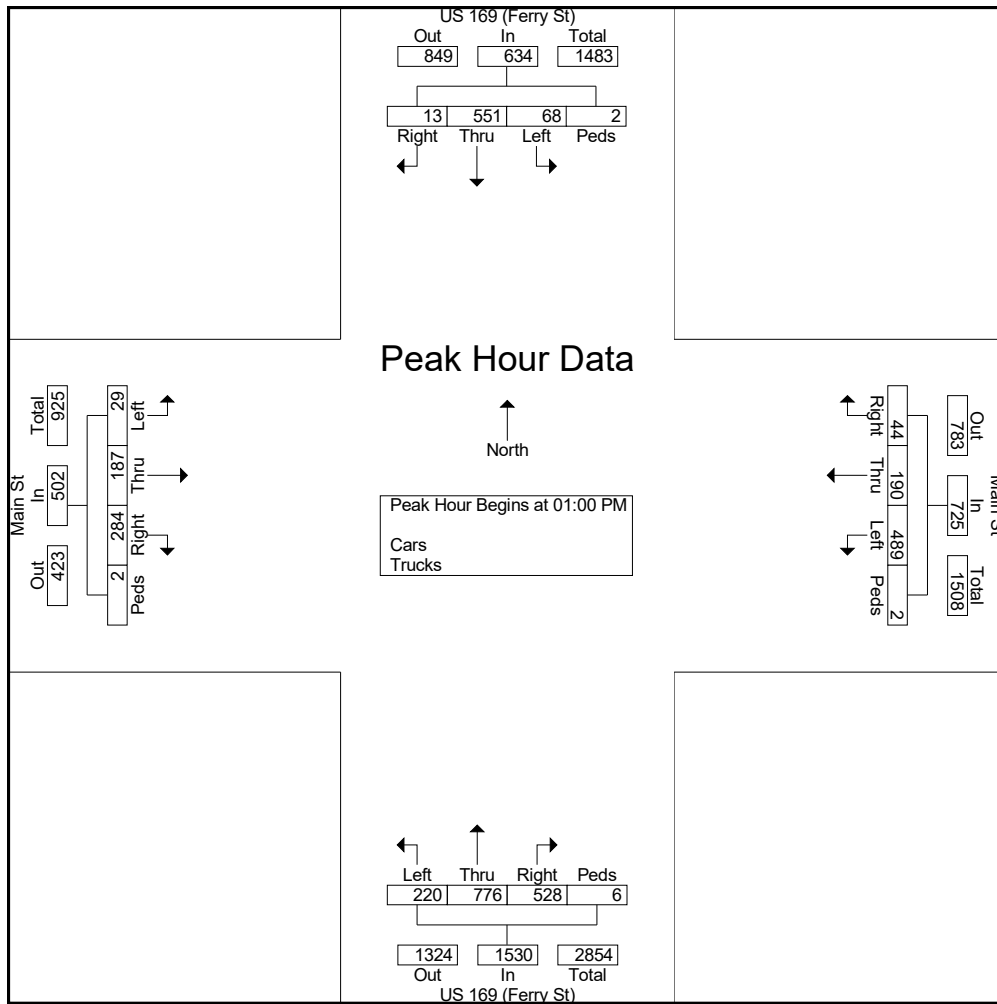
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 Page No : 4

Start Time	US 169 (Ferry St) Southbound					Main St Westbound					US 169 (Ferry St) Northbound					Main 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	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 01:00 PM																					
01:00 PM	18	145	4	2	169	122	53	13	0	188	47	168	123	0	338	11	55	75	0	141	836
01:15 PM	15	140	1	0	156	110	45	9	0	164	50	178	147	0	375	11	38	67	1	117	812
01:30 PM	18	146	4	0	168	119	44	6	0	169	61	221	113	1	396	4	35	79	1	119	852
01:45 PM	17	120	4	0	141	138	48	16	2	204	62	209	145	5	421	3	59	63	0	125	891
Total Volume	68	551	13	2	634	489	190	44	2	725	220	776	528	6	1530	29	187	284	2	502	3391
% App. Total	10.7	86.9	2.1	0.3		67.4	26.2	6.1	0.3		14.4	50.7	34.5	0.4		5.8	37.3	56.6	0.4		
PHF	.944	.943	.813	.250	.938	.886	.896	.688	.250	.888	.887	.878	.898	.300	.909	.659	.792	.899	.500	.890	.951



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Start Time	US 169 (Ferry St) Southbound					Main St Westbound					US 169 (Ferry St) Northbound					Main 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	
Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	23	150	8	0	181	157	61	4	0	222	103	287	146	0	536	18	58	144	0	220	1159
04:15 PM	23	238	2	1	264	165	75	9	0	249	80	285	170	0	535	4	46	113	1	164	1212
04:30 PM	15	189	4	0	208	156	73	12	0	241	83	307	183	0	573	14	52	127	0	193	1215
04:45 PM	15	201	7	0	223	180	65	6	0	251	93	298	135	0	526	10	55	112	0	177	1177
Total Volume	76	778	21	1	876	658	274	31	0	963	359	1177	634	0	2170	46	211	496	1	754	4763
% App. Total	8.7	88.8	2.4	0.1		68.3	28.5	3.2	0		16.5	54.2	29.2	0		6.1	28	65.8	0.1		
PHF	.826	.817	.656	.250	.830	.914	.913	.646	.000	.959	.871	.958	.866	.000	.947	.639	.909	.861	.250	.857	.980

