

ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

Intersection: TH 3 & Butler Avenue
Date: 10/10/2024
Duration: 0500-2300

Site Code: 303
Ref Pt: N/A
Page No: 1 of 5

All Vehicles (Cars & Trucks) Printed

Start Time	TH 3 Southbound						Butler Avenue Westbound						TH 3 Northbound						Butler Avenue Eastbound						Int. Veh.	Int. Ped/
	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	Total	Bike Total
5:00	--	2	6	--	8	--	--	7	4	--	11	1	--	2	10	2	14	--	--	--	6	--	6	--	39	1
5:15	2	1	13	1	17	--	--	5	5	3	13	--	--	3	6	7	16	4	--	--	7	3	10	1	56	5
5:30	--	1	18	--	19	1	--	13	4	3	20	--	--	2	14	4	20	--	--	1	13	5	19	--	78	1
5:45	--	2	37	1	40	1	--	9	7	4	20	1	--	3	22	5	30	--	--	3	13	6	22	1	112	3
Hour Total	2	6	74	2	84	2	--	34	20	10	64	2	--	10	52	18	80	4	--	4	39	14	57	2	285	10
6:00	--	3	23	--	26	--	--	12	7	2	21	--	--	2	21	13	36	--	--	3	13	6	22	1	105	1
6:15	--	4	35	--	39	--	--	12	16	3	31	--	--	8	25	14	47	--	--	4	14	8	26	--	143	--
6:30	--	14	34	1	49	1	--	9	13	2	24	--	--	2	44	7	53	--	--	9	25	6	40	1	166	2
6:45	--	7	54	1	62	--	--	16	21	6	43	--	--	9	50	12	71	2	--	9	19	4	32	--	208	2
Hour Total	--	28	146	2	176	1	--	49	57	13	119	--	--	21	140	46	207	2	--	25	71	24	120	2	622	5
7:00	--	10	58	4	72	--	--	19	28	8	55	1	--	13	53	11	77	--	--	9	34	8	51	--	255	1
7:15	--	13	78	5	96	1	--	24	49	11	84	--	--	14	61	11	86	--	--	16	33	9	58	1	324	2
7:30	--	10	85	3	98	--	--	31	43	9	83	--	1	10	87	24	122	1	--	15	32	11	58	1	361	2
7:45	1	8	73	5	87	1	--	18	36	8	62	--	--	12	114	22	148	5	--	18	34	12	64	--	361	6
Hour Total	1	41	294	17	353	2	--	92	156	36	284	1	1	49	315	68	433	6	--	58	133	40	231	2	1301	11
8:00	--	9	68	9	86	2	--	18	38	13	69	1	--	9	95	5	109	--	--	9	34	15	58	2	322	5
8:15	1	11	81	7	100	--	--	24	62	11	97	--	--	19	104	11	134	1	--	11	41	16	68	--	399	1
8:30	--	6	65	5	76	2	--	25	34	7	66	1	1	15	82	8	106	1	--	11	33	23	67	1	315	5
8:45	1	6	77	5	89	--	--	28	22	6	56	--	1	13	92	15	121	--	--	5	25	15	45	2	311	2
Hour Total	2	32	291	26	351	4	--	95	156	37	288	2	2	56	373	39	470	2	--	36	133	69	238	5	1347	13
9:00	--	5	79	3	87	--	--	25	23	10	58	1	1	13	78	11	103	--	--	19	29	16	64	--	312	1
9:15	--	7	82	4	93	1	--	26	27	11	64	--	--	12	74	11	97	--	--	6	22	14	42	2	296	3
9:30	--	14	74	6	94	1	--	26	32	8	66	3	--	13	71	17	101	--	--	11	17	14	42	2	303	6
9:45	--	8	86	3	97	3	--	32	28	11	71	2	--	15	71	20	106	--	--	8	29	10	47	--	321	5
Hour Total	--	34	321	16	371	5	--	109	110	40	259	6	1	53	294	59	407	--	--	44	97	54	195	4	1232	15
10:00	--	10	107	4	121	--	--	27	27	9	63	2	2	15	92	16	125	1	--	9	19	17	45	--	354	3
10:15	1	4	98	7	110	2	--	24	23	5	52	--	1	17	82	13	113	--	--	8	28	16	52	2	327	4
10:30	2	8	71	5	86	--	--	23	24	4	51	1	1	11	85	18	115	--	--	11	31	24	66	3	318	4
10:45	1	5	92	4	102	--	--	33	31	10	74	1	1	16	77	17	111	1	--	15	19	16	50	1	337	3
Hour Total	4	27	368	20	419	2	--	107	105	28	240	4	5	59	336	64	464	2	--	43	97	73	213	6	1336	14
11:00	1	7	110	7	125	--	--	25	37	7	69	1	2	18	76	21	117	2	--	4	28	24	56	3	367	6
11:15	1	11	112	8	132	--	--	27	32	6	65	2	--	22	112	15	149	1	--	7	23	14	44	--	390	3
11:30	--	7	105	3	115	--	--	37	33	11	81	2	3	17	112	16	148	1	--	10	30	16	56	2	400	5
11:45	1	14	115	6	136	1	--	45	36	6	87	--	4	19	121	25	169	--	--	21	21	18	60	--	452	1
Hour Total	3	39	442	24	508	1	--	134	138	30	302	5	9	76	421	77	583	4	--	42	102	72	216	5	1609	15
12:00	2	10	133	7	152	2	--	52	45	6	103	3	3	18	116	20	157	3	--	22	32	24	78	1	490	9
12:15	1	11	154	9	175	1	--	40	35	5	80	--	3	22	129	22	176	1	--	23	25	19	67	--	498	2
12:30	1	8	112	6	127	--	--	40	31	7	78	2	2	15	141	20	178	--	--	23	35	22	80	--	463	2
12:45	--	8	114	7	129	--	--	28	34	8	70	--	3	18	129	19	169	--	--	14	32	18	64	1	432	1
Hour Total	4	37	513	29	583	3	--	160	145	26	331	5	11	73	515	81	680	4	--	82	124	83	289	2	1883	14
13:00	1	19	113	8	141	1	--	32	34	4	70	4	1	21	137	21	180	2	--	15	34	11	60	2	451	9
13:15	2	12	125	6	145	2	--	36	28	6	70	1	1	17	100	24	142	3	--	23	24	15	62	6	419	12
13:30	1	8	105	3	117	--	--	25	40	6	71	2	1	19	125	19	164	2	--	14	30	15	59	1	411	5
13:45	1	12	134	12	159	4	--	29	38	15	82	2	1	25	133	17	176	1	--	16	25	27	68	3	485	10
Hour Total	5	51	477	29	562	7	--	122	140	31	293	9	4	82	495	81	662	8	--	68	113	68	249	12	1766	36

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Page No: 2 of 5

All Vehicles (Cars & Trucks) Printed

Start Time	TH 3 Southbound						Butler Avenue Westbound						TH 3 Northbound						Butler Avenue Eastbound						Int. Veh.	Int. Ped/
	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	Total	Bike Total
14:00	--	10	95	5	110	1	--	40	51	13	104	3	1	24	128	23	176	5	--	15	37	11	63	5	453	14
14:15	--	11	155	7	173	--	--	29	44	4	77	1	2	20	151	24	197	1	--	23	35	18	76	1	523	3
14:30	1	13	107	6	127	--	--	35	49	12	96	1	3	25	135	25	188	1	--	32	31	16	79	2	490	4
14:45	--	18	114	12	144	--	--	31	46	12	89	--	3	20	176	20	219	2	--	23	24	15	62	3	514	5
Hour Total	1	52	471	30	554	1	--	135	190	41	366	5	9	89	590	92	780	9	--	93	127	60	280	11	1980	26
15:00	2	13	119	9	143	1	--	34	64	15	113	2	3	29	129	19	180	2	--	28	32	12	72	3	508	8
15:15	1	19	119	10	149	1	--	40	60	15	115	2	2	18	142	29	191	1	--	26	34	12	72	2	527	6
15:30	1	19	143	11	174	12	--	21	53	12	86	10	2	30	148	15	195	6	--	22	58	21	101	8	556	36
15:45	1	21	153	9	184	--	--	24	44	12	80	--	1	11	127	27	166	1	--	21	40	35	96	2	526	3
Hour Total	5	72	534	39	650	14	--	119	221	54	394	14	8	88	546	90	732	10	--	97	164	80	341	15	2117	53
16:00	2	14	144	7	167	1	--	34	50	11	95	1	1	21	162	27	211	--	--	21	50	18	89	--	562	2
16:15	1	18	157	5	181	5	--	31	67	13	111	1	1	24	155	19	199	2	--	28	39	19	86	6	577	14
16:30	--	12	137	7	156	1	--	30	51	13	94	1	4	20	134	22	180	3	--	22	40	22	84	5	514	10
16:45	1	11	158	8	178	4	--	40	64	9	113	3	2	24	170	19	215	3	--	28	32	24	84	8	590	18
Hour Total	4	55	596	27	682	11	--	135	232	46	413	6	8	89	621	87	805	8	--	99	161	83	343	19	2243	44
17:00	--	12	151	7	170	2	--	25	54	15	94	--	1	35	150	16	202	--	--	24	41	22	87	2	553	4
17:15	3	6	132	8	149	--	--	37	60	10	107	--	4	23	149	24	200	2	--	22	33	18	73	--	529	2
17:30	1	14	134	9	158	--	--	30	51	9	90	2	1	24	144	22	191	3	--	22	47	32	101	--	540	5
17:45	2	19	115	8	144	--	--	41	47	10	98	--	1	23	149	30	203	2	--	20	40	20	80	1	525	3
Hour Total	6	51	532	32	621	2	--	133	212	44	389	2	7	105	592	92	796	7	--	88	161	92	341	3	2147	14
18:00	1	18	133	6	158	2	--	45	46	11	102	2	3	21	140	18	182	2	--	26	43	15	84	8	526	14
18:15	2	14	134	10	160	1	--	31	44	5	80	3	2	20	154	21	197	3	--	21	26	21	68	1	505	8
18:30	1	8	112	6	127	2	--	42	52	17	111	1	2	29	147	17	195	1	--	23	41	17	81	2	514	6
18:45	3	20	122	10	155	2	--	32	31	8	71	2	1	20	153	24	198	4	--	24	37	19	80	3	504	11
Hour Total	7	60	501	32	600	7	--	150	173	41	364	8	8	90	594	80	772	10	--	94	147	72	313	14	2049	39
19:00	2	10	113	5	130	1	--	38	39	11	88	4	--	21	143	20	184	--	--	19	39	16	74	2	476	7
19:15	1	10	92	8	111	--	--	25	31	14	70	--	--	27	109	35	171	1	--	18	33	17	68	3	420	4
19:30	2	5	87	8	102	2	--	27	36	7	70	1	1	15	122	22	160	4	--	9	35	14	58	4	390	11
19:45	1	9	75	5	90	2	--	23	31	1	55	--	1	20	96	17	134	1	--	10	22	13	45	--	324	3
Hour Total	6	34	367	26	433	5	--	113	137	33	283	5	2	83	470	94	649	6	--	56	129	60	245	9	1610	25
20:00	--	7	68	2	77	--	--	20	34	5	59	--	--	13	85	15	113	--	--	10	25	9	44	2	293	2
20:15	--	9	70	5	84	1	--	16	25	--	41	--	2	16	81	13	112	--	--	12	29	15	56	1	293	2
20:30	3	8	93	5	109	2	--	17	22	10	49	--	1	18	85	23	127	5	--	13	25	15	53	1	338	8
20:45	1	5	60	8	74	8	--	20	31	3	54	4	1	15	65	20	101	6	--	6	22	9	37	2	266	20
Hour Total	4	29	291	20	344	11	--	73	112	18	203	4	4	62	316	71	453	11	--	41	101	48	190	6	1190	32
21:00	--	10	57	4	71	2	--	18	16	3	37	--	--	18	78	18	114	2	--	12	16	7	35	5	257	9
21:15	1	5	48	3	57	1	--	10	24	2	36	--	--	14	76	18	108	--	--	5	23	13	41	1	242	2
21:30	1	8	43	2	54	--	--	7	17	4	28	1	1	8	65	14	88	--	--	5	26	6	37	2	207	3
21:45	2	4	50	4	60	--	--	18	22	3	43	1	1	12	51	12	76	--	--	8	14	5	27	--	206	1
Hour Total	4	27	198	13	242	3	--	53	79	12	144	2	2	52	270	62	386	2	--	30	79	31	140	8	912	15
22:00	1	4	35	4	44	1	--	9	15	6	30	1	--	4	53	11	68	--	--	6	26	8	40	1	182	3
22:15	--	3	45	3	51	1	--	15	13	4	32	--	--	6	31	11	48	--	--	2	18	4	24	1	155	2
22:30	--	4	38	3	45	--	--	12	11	3	26	--	--	6	36	10	52	--	--	2	12	5	19	--	142	--
22:45	--	3	33	3	39	--	--	8	9	4	21	--	--	5	31	8	44	--	--	2	8	4	14	--	118	--
Hour Total	1	14	151	13	179	2	--	44	48	17	109	1	--	21	151	40	212	--	--	12	64	21	97	2	597	5
Grand Total	59	689	6567	397	7712	83	--	1857	2431	557	4845	81	81	1158	7091	1241	9571	95	--	1012	2042	1044	4098	127	26226	386
% of App.	0.8%	8.9%	85.2%	5.1%			0.0%	38.3%	50.2%	11.5%			0.8%	12.1%	74.1%	13.0%			0.0%	24.7%	49.8%	25.5%				
% of Total	0.2%	2.6%	25.0%	1.5%	29.4%	21.5%	0.0%	7.1%	9.3%	2.1%	18.5%	21.0%	0.3%	4.4%	27.0%	4.7%	36.5%	24.6%	0.0%	3.9%	7.8%	4.0%	15.6%	32.9%		
Cars Total	59	679	6471	387	7596	78	--	1843	2402	537	4782	65	81	1106	6987	1227	9401	85	--	995	2016	1015	4026	109	25805	337
Cars % of Movement	100%	98.5%	98.5%	97.5%	98.5%	23.1%	0.0%	99.2%	98.8%	96.4%	98.7%	19.3%	100%	95.5%	98.5%	98.9%	98.2%	25.2%	0.0%	98.3%	98.7%	97.2%	98.2%	32.3%	98.4%	
Trucks Total	--	10	96	10	116	5	--	14	29	20	63	16	--	52	104	14	170	10	--	17	26	29	72	18	421	49
Trucks % of Movement	0.0%	1.5%	1.5%	2.5%	1.5%	10.2%	0.0%	0.8%	1.2%	3.6%	1.3%	32.7%	0.0%	4.5%	1.5%	1.1%	1.8%	20.4%	0.0%	1.7%	1.3%	2.8%	1.8%	36.7%	1.6%	

ALLIANT ENGINEERING, INC.

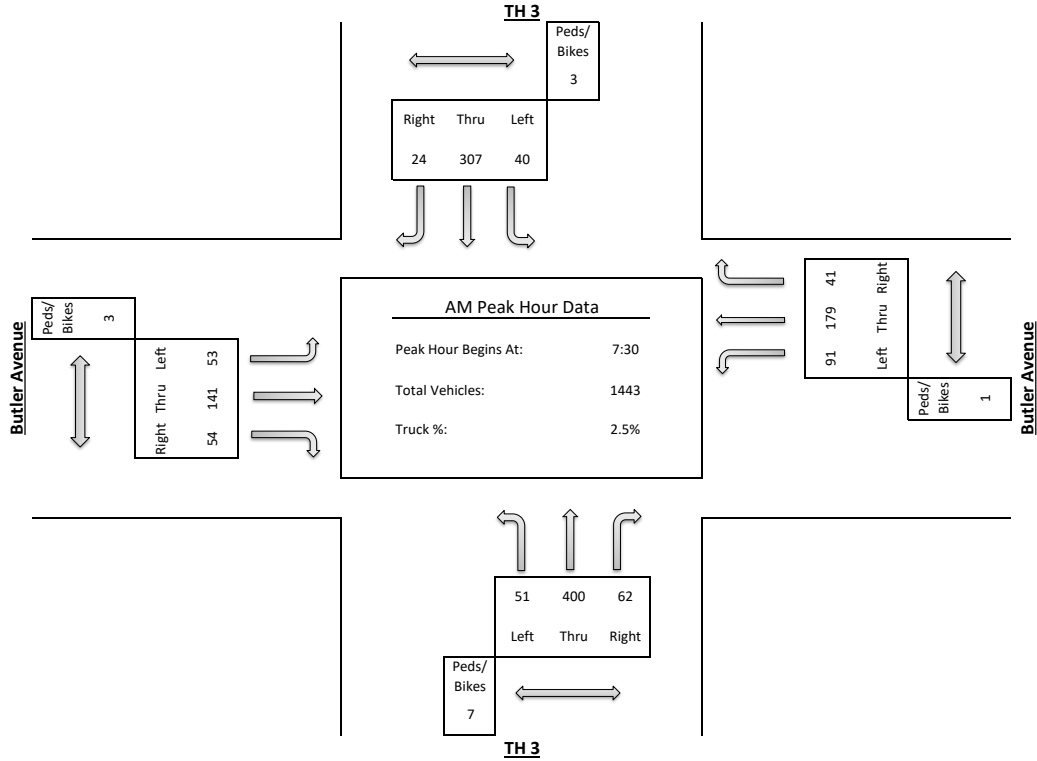
733 S Marquette Ave #700, Minneapolis, MN 55402

Intersection: TH 3 & Butler Avenue
Date: 10/10/2024
Duration: 0500-2300

Site Code: 303
Ref Pt: N/A
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All Vehicles (Cars & Trucks) Printed

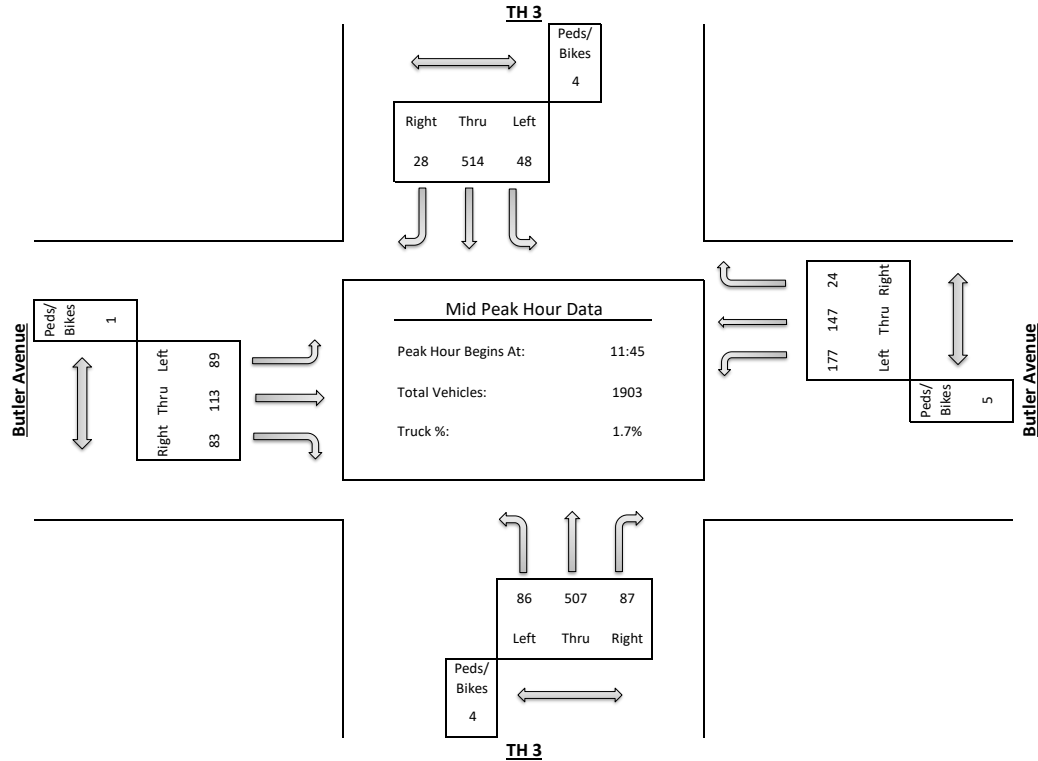
Start Time	TH 3 Southbound						Butler Avenue Westbound						TH 3 Northbound						Butler Avenue Eastbound						Int. Veh.	Int. Ped/
	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	Total	Bike Total
7:30	--	10	85	3	98	--	--	31	43	9	83	--	1	10	87	24	122	1	--	15	32	11	58	1	361	2
7:45	1	8	73	5	87	1	--	18	36	8	62	--	--	12	114	22	148	5	--	18	34	12	64	--	361	6
8:00	--	9	68	9	86	2	--	18	38	13	69	1	--	9	95	5	109	--	--	9	34	15	58	2	322	5
8:15	1	11	81	7	100	--	--	24	62	11	97	--	--	19	104	11	134	1	--	11	41	16	68	--	399	1
Hour Total	2	38	307	24	371	3	--	91	179	41	311	1	1	50	400	62	513	7	--	53	141	54	248	3	1443	14
% of App.	0.5%	10.2%	82.7%	6.5%			0.0%	29.3%	57.6%	13.2%			0.2%	9.7%	78.0%	12.1%			0.0%	21.4%	56.9%	21.8%				
% of Total	0.1%	2.6%	21.3%	1.7%	25.7%	21.4%	0.0%	6.3%	12.4%	2.8%	21.6%	7.1%	0.1%	3.5%	27.7%	4.3%	35.6%	50.0%	0.0%	3.7%	9.8%	3.7%	17.2%	21.4%		
Cars Total	2	36	298	24	360	2	--	90	175	40	305	1	1	45	392	59	497	6	--	52	141	52	245	3	1407	12
Cars % of Movement	100%	94.7%	97.1%	100%	97.0%	16.7%	0.0%	98.9%	97.8%	97.6%	98.1%	8.3%	100%	90.0%	98.0%	95.2%	96.9%	50.0%	0.0%	98.1%	100%	96.3%	98.8%	25.0%	97.5%	
Trucks Total	--	2	9	--	11	1	--	1	4	1	6	--	--	5	8	3	16	1	--	1	--	2	3	--	36	2
Trucks % of Movement	0.0%	5.3%	2.9%	0.0%	3.0%	50.0%	0.0%	1.1%	2.2%	2.4%	1.9%	0.0%	0.0%	10.0%	2.0%	4.8%	3.1%	50.0%	0.0%	1.9%	0.0%	3.7%	1.2%	0.0%	2.5%	



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	TH 3 Southbound						Butler Avenue Westbound						TH 3 Northbound						Butler Avenue Eastbound						Int. Veh.	Int. Ped/
Start Time	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	Total	Bike Total
11:45	1	14	115	6	136	1	--	45	36	6	87	--	4	19	121	25	169	--	--	21	21	18	60	--	452	1
12:00	2	10	133	7	152	2	--	52	45	6	103	3	3	18	116	20	157	3	--	22	32	24	78	1	490	9
12:15	1	11	154	9	175	1	--	40	35	5	80	--	3	22	129	22	176	1	--	23	25	19	67	--	498	2
12:30	1	8	112	6	127	--	--	40	31	7	78	2	2	15	141	20	178	--	--	23	35	22	80	--	463	2
Hour Total	5	43	514	28	590	4	--	177	147	24	348	5	12	74	507	87	680	4	--	89	113	83	285	1	1903	14
% of App.	0.8%	7.3%	87.1%	4.7%			0.0%	50.9%	42.2%	6.9%			1.8%	10.9%	74.6%	12.8%			0.0%	31.2%	39.6%	29.1%				
% of Total	0.3%	2.3%	27.0%	1.5%	31.0%	28.6%	0.0%	9.3%	7.7%	1.3%	18.3%	35.7%	0.6%	3.9%	26.6%	4.6%	35.7%	28.6%	0.0%	4.7%	5.9%	4.4%	15.0%	7.1%		
Cars Total	5	43	510	26	584	4	--	173	143	23	339	5	12	70	500	86	668	4	--	87	111	81	279	1	1870	14
Cars % of Movement	100%	100%	99.2%	92.9%	99.0%	28.6%	0.0%	97.7%	97.3%	95.8%	97.4%	35.7%	100%	94.6%	98.6%	98.9%	98.2%	28.6%	0.0%	97.8%	98.2%	97.6%	97.9%	7.1%	98.3%	
Trucks Total	--	--	4	2	6	--	--	4	4	1	9	--	--	4	7	1	12	--	--	2	2	2	6	--	33	--
Trucks % of Movement	0.0%	0.0%	0.8%	7.1%	1.0%	--	0.0%	2.3%	2.7%	4.2%	2.6%	--	0.0%	5.4%	1.4%	1.1%	1.8%	--	0.0%	2.2%	1.8%	2.4%	2.1%	--	1.7%	



ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

Intersection: TH 3 & Butler Avenue
Date: 10/10/2024
Duration: 0500-2300

Site Code: 303
Ref Pt: N/A
Page No: 5 of 5

All Vehicles (Cars & Trucks) Printed

Start Time	TH 3 Southbound						Butler Avenue Westbound						TH 3 Northbound						Butler Avenue Eastbound						Int. Veh.	Int. Ped/
	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/ Bikes	Total	Bike Total
16:00	2	14	144	7	167	1	--	34	50	11	95	1	1	21	162	27	211	--	--	21	50	18	89	--	562	2
16:15	1	18	157	5	181	5	--	31	67	13	111	1	1	24	155	19	199	2	--	28	39	19	86	6	577	14
16:30	--	12	137	7	156	1	--	30	51	13	94	1	4	20	134	22	180	3	--	22	40	22	84	5	514	10
16:45	1	11	158	8	178	4	--	40	64	9	113	3	2	24	170	19	215	3	--	28	32	24	84	8	590	18
Hour Total	4	55	596	27	682	11	--	135	232	46	413	6	8	89	621	87	805	8	--	99	161	83	343	19	2243	44
% of App.	0.6%	8.1%	87.4%	4.0%			0.0%	32.7%	56.2%	11.1%			1.0%	11.1%	77.1%	10.8%			0.0%	28.9%	46.9%	24.2%				
% of Total	0.2%	2.5%	26.6%	1.2%	30.4%	25.0%	0.0%	6.0%	10.3%	2.1%	18.4%	13.6%	0.4%	4.0%	27.7%	3.9%	35.9%	18.2%	0.0%	4.4%	7.2%	3.7%	15.3%	43.2%		
Cars Total	4	55	590	27	676	10	--	135	230	44	409	5	8	88	611	87	794	6	--	98	159	82	339	16	2218	37
Cars % of Movement	100%	100%	99.0%	100%	99.1%	27.0%	0.0%	100%	99.1%	95.7%	99.0%	13.5%	100%	98.9%	98.4%	100%	98.6%	16.2%	0.0%	99.0%	98.8%	98.8%	98.8%	43.2%	98.9%	
Trucks Total	--	--	6	--	6	1	--	--	2	2	4	1	--	1	10	--	11	2	--	1	2	1	4	3	25	7
Trucks % of Movement	0.0%	0.0%	1.0%	0.0%	0.9%	14.3%	0.0%	0.0%	0.9%	4.3%	1.0%	14.3%	0.0%	1.1%	1.6%	0.0%	1.4%	28.6%	0.0%	1.0%	1.2%	1.2%	1.2%	42.9%	1.1%	

