

# ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

Intersection: TH 47 & 81st Avenue  
 Date: 3/21/2024  
 Duration: 0600-1800

Site Code: 614  
 Ref Pt: N/A  
 Page No: 1 of 4

All Vehicles (Cars & Trucks) Printed

Start Time	TH 47 Southbound						81st Avenue Westbound						TH 47 Northbound						81st Avenue Eastbound						Int. Veh. Total	Int. Ped/ Bike Total
	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		
6:00	--	2	87	16	105	--	--	13	11	5	29	--	--	16	52	4	72	--	--	8	2	15	25	--	231	--
6:15	--	4	123	20	147	1	--	17	16	3	36	--	--	16	54	5	75	--	--	6	3	23	32	--	290	1
6:30	--	5	151	25	181	--	--	19	24	5	48	--	--	9	81	6	96	--	--	3	7	23	33	--	358	--
6:45	--	3	159	24	186	1	--	17	20	3	40	2	--	23	89	11	123	2	--	6	5	23	34	--	383	5
Hour Total	--	14	520	85	619	2	--	66	71	16	153	2	--	64	276	26	366	2	--	23	17	84	124	--	1262	6
7:00	2	11	166	30	209	5	--	22	17	8	47	--	--	20	95	7	122	4	--	9	5	23	37	--	415	9
7:15	--	6	190	24	220	2	--	18	18	8	44	--	--	22	108	10	140	2	--	10	15	26	51	--	455	4
7:30	--	7	270	34	311	--	--	17	18	6	41	--	--	27	154	16	197	--	--	7	14	25	46	--	595	--
7:45	--	15	247	19	281	2	--	26	38	11	75	--	2	41	120	30	193	2	--	7	17	23	47	2	596	6
Hour Total	2	39	873	107	1021	9	--	83	91	33	207	--	2	110	477	63	652	8	--	33	51	97	181	2	2061	19
8:00	--	15	175	25	215	--	--	14	39	14	67	--	1	36	130	25	192	1	--	8	4	19	31	--	505	1
8:15	--	--	132	36	168	--	--	25	18	20	63	--	--	39	130	8	177	1	--	12	10	17	39	--	447	1
8:30	--	3	119	18	140	--	--	12	28	6	46	--	--	39	103	10	152	1	--	9	14	22	45	1	383	2
8:45	1	10	147	38	196	--	--	15	28	8	51	--	--	31	127	15	173	1	--	24	17	23	64	2	484	3
Hour Total	1	28	573	117	719	--	--	66	113	48	227	--	1	145	490	58	694	4	--	53	45	81	179	3	1819	7
9:00	1	12	122	16	151	1	--	27	44	6	77	--	--	60	179	22	261	--	--	19	14	29	62	--	551	1
9:15	1	9	120	24	154	--	--	17	42	5	64	--	1	36	109	17	163	--	--	19	19	26	64	--	445	--
9:30	--	3	121	31	155	--	--	20	27	5	62	--	--	60	118	9	187	--	--	18	22	36	76	1	470	1
9:45	--	10	120	22	152	--	--	16	43	10	69	--	1	58	127	13	199	1	--	18	21	39	78	--	498	1
Hour Total	2	34	483	93	612	1	--	80	156	26	262	--	2	214	533	61	810	1	--	74	76	130	280	1	1964	3
10:00	--	10	136	21	167	--	--	13	27	5	45	--	--	50	103	8	161	--	--	19	13	36	68	--	441	--
10:15	1	15	129	16	161	--	--	14	34	7	55	--	--	59	136	19	214	--	--	33	21	34	88	--	518	--
10:30	1	10	146	23	180	--	--	11	34	7	52	--	1	42	127	14	184	--	--	42	30	37	109	--	525	--
10:45	1	13	140	31	185	--	--	15	43	16	74	--	--	42	154	8	204	--	--	32	13	42	87	--	550	--
Hour Total	3	48	551	91	693	--	--	53	138	35	226	--	1	193	520	49	763	--	--	126	77	149	352	--	2034	--
11:00	3	9	114	22	148	--	--	11	37	12	60	--	--	42	155	10	207	--	--	33	23	49	105	--	520	--
11:15	1	10	133	25	169	2	--	18	27	9	54	--	--	55	178	9	242	--	--	22	23	40	85	--	550	2
11:30	1	12	141	36	190	1	--	28	33	8	69	--	1	63	167	22	253	--	--	36	29	43	108	--	620	1
11:45	3	11	150	26	190	--	--	22	45	7	74	--	--	51	172	20	244	2	--	38	25	45	108	--	616	2
Hour Total	8	42	538	109	697	3	--	79	142	36	257	--	2	211	672	61	946	2	--	129	100	177	406	--	2306	5
12:00	--	9	155	20	184	--	--	31	33	17	81	--	--	58	182	18	258	--	--	48	25	46	119	--	642	--
12:15	1	16	139	22	178	--	--	30	36	10	76	--	1	65	133	20	219	1	--	39	29	42	110	--	583	1
12:30	1	11	136	31	179	1	--	16	39	3	58	--	--	65	172	21	258	--	--	36	29	55	120	--	615	1
12:45	1	17	169	22	209	--	--	20	41	8	69	--	--	58	174	13	245	--	--	37	28	50	115	--	638	--
Hour Total	3	53	599	95	750	1	--	97	149	38	284	--	1	246	661	72	980	1	--	160	111	193	464	--	2478	2
13:00	2	9	156	24	191	--	--	19	40	11	70	--	--	63	165	15	243	--	--	29	32	58	119	--	623	--
13:15	2	10	136	18	166	2	--	22	33	11	66	--	1	40	172	17	230	--	--	21	31	50	102	--	564	2
13:30	1	13	157	18	189	--	--	17	37	8	62	--	4	61	204	9	278	--	--	39	28	40	107	--	636	--
13:45	4	15	146	32	197	--	--	26	34	13	73	--	--	47	180	11	238	--	--	30	27	42	99	--	607	--
Hour Total	9	47	595	92	743	2	--	84	144	43	271	--	5	211	721	52	989	--	--	119	118	190	427	--	2430	2
14:00	2	9	142	26	179	1	--	17	25	9	51	--	--	49	180	16	245	2	--	50	31	49	130	--	605	3
14:15	3	10	186	31	230	--	--	26	39	10	75	--	2	54	225	16	297	1	--	38	22	48	108	--	710	1
14:30	1	18	159	24	202	1	--	20	47	10	77	--	--	51	245	20	316	--	--	55	36	36	127	--	722	1
14:45	1	15	179	21	216	--	--	18	29	10	57	--	1	50	265	22	338	--	--	55	24	48	127	--	738	--
Hour Total	7	52	666	102	827	2	--	81	140	39	260	--	3	204	915	74	1196	3	--	198	113	181	492	--	2775	5
15:00	1	17	175	16	209	--	--	15	30	15	60	--	2	59	319	27	407	2	--	70	35	47	152	--	828	2
15:15	2	13	217	25	257	1	--	25	43	12	80	--	1	53	287	26	367	--	--	50	37	36	123	--	827	1
15:30	2	14	198	23	237	--	--	22	34	11	67	--	1	60	315	22	398	1	--	65	30	42	137	--	839	1
15:45	3	10	143	26	182	1	--	20	34	14	68	--	--	65	331	29	425	--	--	54	24	41	119	--	794	1
Hour Total	8	54	733	90	885	2	--	82	141	52	275	--	4	237	1252	104	1597	3	--	239	126	166	531	--	3288	5
16:00	--	15	180	27	222	1	--	21	34	9	64	--	1	44	297	30	372	1	--	56	31	43	130	--	788	2
16:15	4	20	186	18	228	1	--	14	37	9	60	2	--	60	333	24	417	2	--	59	42	38	139	--	844	5
16:30	1	15	194	21	231	2	--	29	31	9	69	--	1	58	305	16	380	1	--	56	35	40	131	--	811	3
16:45	2	25	185	25	237	1	--	22	39	14	75	--	1	61	296	23	381	--	--	50	34	50	134	--	827	1
Hour Total	7	75	745	91	918	5	--	86	141	41	268	2	3	223	1231	93	1550	4	--	221	142	171	534	--	3270	11
17:00	4	22	175	16	217	--	--	16	50	8	74	--	2	63	240	30	335	--	--	70	30	65	165	--	791	--
17:15	5	13	182	27	227	--	--	25	29	14	68	--	1	43	242	25	311	--	--	62	37	57	156	2	762	2
17:30	--	9	169	15	193	--	--	26	34	14	74	--	--	63	244	18	325	1	--	43	35	42	120	--	712	1
17:45	6	11	162	26	205	1	--	26	41	10	77	--	--	48	193	12	253	--	--	44	23	36	103	--	638	1
Hour Total	15	55	688	84	845	1	--	93	154	46	293	--	3	217	919	85	1224	1	--	219	125	200	544	2	2903	4
Grand Total	65	541	7564	1156	9326	28	--	950	1580	453	2983	4	27	2275	8667	798	11767	29	--	1594	1101	1819	4514	8	28590	69
% of App.	0.7%	5.8%	81.1%	12.4%			0.0%	31.8%	53.0%	15.2%																

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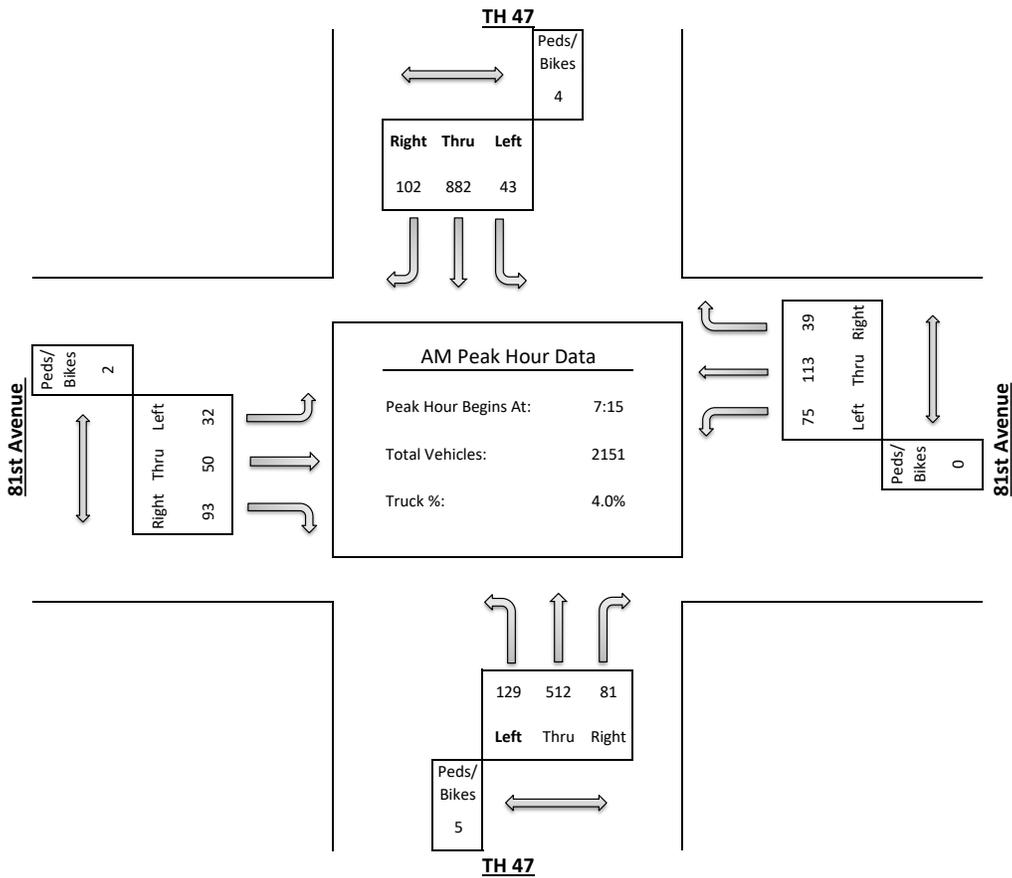
733 S Marquette Ave #700, Minneapolis, MN 55402

Intersection: TH 47 & 81st Avenue  
 Date: 3/21/2024  
 Duration: 0600-1800

Site Code: 614  
 Ref Pt: N/A  
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All Vehicles (Cars & Trucks) Printed

Start Time	TH 47 Southbound						81st Avenue Westbound						TH 47 Northbound						81st Avenue Eastbound						Int. Veh. Total	Int. Ped/Bike Total
	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		
7:15	--	6	190	24	<b>220</b>	2	--	18	18	8	<b>44</b>	--	--	22	108	10	<b>140</b>	2	--	10	15	26	<b>51</b>	--	455	4
7:30	--	7	270	34	<b>311</b>	--	--	17	18	6	<b>41</b>	--	--	27	154	16	<b>197</b>	--	--	7	14	25	<b>46</b>	--	595	--
7:45	--	15	247	19	<b>281</b>	2	--	26	38	11	<b>75</b>	--	2	41	120	30	<b>193</b>	2	--	7	17	23	<b>47</b>	2	596	6
8:00	--	15	175	25	<b>215</b>	--	--	14	39	14	<b>67</b>	--	1	36	130	25	<b>192</b>	1	--	8	4	19	<b>31</b>	--	505	1
Hour Total	--	43	882	102	<b>1027</b>	4	--	75	113	39	<b>227</b>	--	3	126	512	81	<b>722</b>	5	--	32	50	93	<b>175</b>	2	2151	11
% of App.	0.0%	4.2%	85.9%	9.9%			0.0%	33.0%	49.8%	17.2%			0.4%	17.5%	70.9%	11.2%			0.0%	18.3%	28.6%	53.1%				
% of Total	0.0%	2.0%	41.0%	4.7%	47.7%	36.4%	0.0%	3.5%	5.3%	1.8%	10.6%	0.0%	0.1%	5.9%	23.8%	3.8%	33.6%	45.5%	0.0%	1.5%	2.3%	4.3%	8.1%	18.2%		
Cars Total	--	41	860	96	<b>997</b>	4	--	75	110	33	<b>218</b>	--	3	122	488	81	<b>694</b>	4	--	30	47	80	<b>157</b>	2	2066	10
Cars % of Movement	0.0%	95.3%	97.5%	94.1%	97.1%	40.0%	0.0%	100%	97.3%	84.6%	96.0%	0.0%	100%	96.8%	95.3%	100%	96.1%	40.0%	0.0%	93.8%	94.0%	86.0%	89.7%	20.0%	96.0%	
Trucks Total	--	2	22	6	<b>30</b>	--	--	--	3	6	<b>9</b>	--	--	4	24	--	<b>28</b>	1	--	2	3	13	<b>18</b>	--	85	1
Trucks % of Movement	0.0%	4.7%	2.5%	5.9%	2.9%	0.0%	0.0%	0.0%	2.7%	15.4%	4.0%	0.0%	0.0%	3.2%	4.7%	0.0%	3.9%	#####	0.0%	6.3%	6.0%	14.0%	10.3%	0.0%	4.0%	



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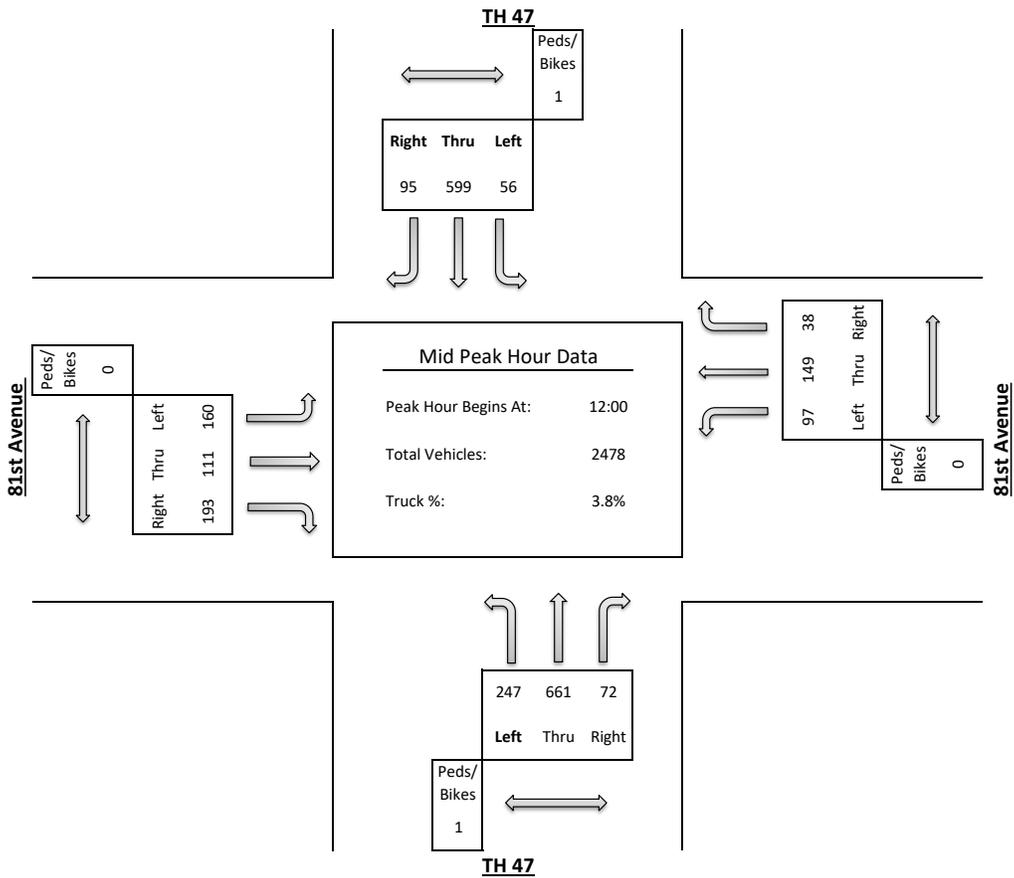
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	U-Turn	Left	Thru	Right	App. Total	Peds/Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/Bikes		
12:00	--	9	155	20	<b>184</b>	--	--	31	33	17	<b>81</b>	--	--	58	182	18	<b>258</b>	--	--	48	25	46	<b>119</b>	--	642	--
12:15	1	16	139	22	<b>178</b>	--	--	30	36	10	<b>76</b>	--	1	65	133	20	<b>219</b>	1	--	39	29	42	<b>110</b>	--	583	1
12:30	1	11	136	31	<b>179</b>	1	--	16	39	3	<b>58</b>	--	--	65	172	21	<b>258</b>	--	--	36	29	55	<b>120</b>	--	615	1
12:45	1	17	169	22	<b>209</b>	--	--	20	41	8	<b>69</b>	--	--	58	174	13	<b>245</b>	--	--	37	28	50	<b>115</b>	--	638	--
<b>Hour Total</b>	<b>3</b>	<b>53</b>	<b>599</b>	<b>95</b>	<b>750</b>	<b>1</b>	<b>--</b>	<b>97</b>	<b>149</b>	<b>38</b>	<b>284</b>	<b>--</b>	<b>1</b>	<b>246</b>	<b>661</b>	<b>72</b>	<b>980</b>	<b>1</b>	<b>--</b>	<b>160</b>	<b>111</b>	<b>193</b>	<b>464</b>	<b>--</b>	<b>2478</b>	<b>2</b>
% of App.	0.4%	7.1%	79.9%	12.7%			0.0%	34.2%	52.5%	13.4%			0.1%	25.1%	67.4%	7.3%			0.0%	34.5%	23.9%	41.6%				
% of Total	0.1%	2.1%	24.2%	3.8%	30.3%	50.0%	0.0%	3.9%	6.0%	1.5%	11.5%	0.0%	0.0%	9.9%	26.7%	2.9%	39.5%	50.0%	0.0%	6.5%	4.5%	7.8%	18.7%	0.0%		
Cars Total	3	50	577	88	<b>718</b>	1	--	97	147	36	<b>280</b>	--	1	235	643	72	<b>951</b>	1	--	147	108	180	<b>435</b>	--	2384	2
Cars % of Movement	100%	94.3%	96.3%	92.6%	95.7%	50.0%	0.0%	100%	98.7%	94.7%	98.6%	0.0%	100%	95.5%	97.3%	100%	97.0%	50.0%	0.0%	91.9%	97.3%	93.3%	93.8%	0.0%	96.2%	
Trucks Total	--	3	22	7	<b>32</b>	--	--	--	2	2	<b>4</b>	--	--	11	18	--	<b>29</b>	--	--	13	3	13	<b>29</b>	--	94	--
Trucks % of Movement	0.0%	5.7%	3.7%	7.4%	4.3%	--	0.0%	0.0%	1.3%	5.3%	1.4%	--	0.0%	4.5%	2.7%	0.0%	3.0%	--	0.0%	8.1%	2.7%	6.7%	6.3%	--	3.8%	



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15:00	1	17	175	16	209	--	--	15	30	15	60	--	2	59	319	27	407	2	--	70	35	47	152	--	828	2
15:15	2	13	217	25	257	1	--	25	43	12	80	--	1	53	287	26	367	--	--	50	37	36	123	--	827	1
15:30	2	14	198	23	237	--	--	22	34	11	67	--	1	60	315	22	398	1	--	65	30	42	137	--	839	1
15:45	3	10	143	26	182	1	--	20	34	14	68	--	--	65	331	29	425	--	--	54	24	41	119	--	794	1
Hour Total	8	54	733	90	885	2	--	82	141	52	275	--	4	237	1252	104	1597	3	--	239	126	166	531	--	3288	5
% of App.	0.9%	6.1%	82.8%	10.2%			0.0%	29.8%	51.3%	18.9%			0.3%	14.8%	78.4%	6.5%			0.0%	45.0%	23.7%	31.3%				
% of Total	0.2%	1.6%	22.3%	2.7%	26.9%	40.0%	0.0%	2.5%	4.3%	1.6%	8.4%	0.0%	0.1%	7.2%	38.1%	3.2%	48.6%	60.0%	0.0%	7.3%	3.8%	5.0%	16.1%	0.0%		
Cars Total	8	52	710	89	859	2	--	81	137	50	268	--	4	231	1230	102	1567	3	--	232	126	159	517	--	3211	5
Cars % of Movement	100%	96.3%	96.9%	98.9%	97.1%	40.0%	0.0%	98.8%	97.2%	96.2%	97.5%	0.0%	100%	97.5%	98.2%	98.1%	98.1%	60.0%	0.0%	97.1%	100%	95.8%	97.4%	0.0%	97.7%	
Trucks Total	--	2	23	1	26	--	--	1	4	2	7	--	--	6	22	2	30	--	--	7	--	7	14	--	77	--
Trucks % of Movement	0.0%	3.7%	3.1%	1.1%	2.9%	--	0.0%	1.2%	2.8%	3.8%	2.5%	--	0.0%	2.5%	1.8%	1.9%	1.9%	--	0.0%	2.9%	0.0%	4.2%	2.6%	--	2.3%	

