

# ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & CR C  
 Ref Pt: 142+00.282  
 data by: Alliant Inc  
 TURN MOVEMENT COUNT

File Name : 504\_TH 61 and County Road C  
 Site Code : 1735486  
 Start Date : 11/12/2019  
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					County Rd C Westbound					TH 61 Northbound					County Rd C 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	
06:00 AM	1	113	5	0	119	2	2	11	0	15	3	77	0	2	82	12	3	1	0	16	232
06:15 AM	2	160	8	0	170	6	0	20	1	27	6	99	0	5	110	8	1	2	0	11	318
06:30 AM	0	266	6	0	272	3	4	27	0	34	10	115	0	8	133	15	0	5	0	20	459
06:45 AM	0	299	8	0	307	5	3	26	0	34	7	180	1	7	195	19	4	9	0	32	568
<b>Total</b>	<b>3</b>	<b>838</b>	<b>27</b>	<b>0</b>	<b>868</b>	<b>16</b>	<b>9</b>	<b>84</b>	<b>1</b>	<b>110</b>	<b>26</b>	<b>471</b>	<b>1</b>	<b>22</b>	<b>520</b>	<b>54</b>	<b>8</b>	<b>17</b>	<b>0</b>	<b>79</b>	<b>1577</b>
07:00 AM	5	367	18	0	390	3	6	18	1	28	5	179	3	5	192	21	0	8	0	29	639
07:15 AM	1	427	13	0	441	12	12	25	0	49	6	193	2	6	207	27	4	6	0	37	734
07:30 AM	3	403	11	0	417	3	13	24	1	41	11	199	2	10	222	23	7	12	0	42	722
07:45 AM	1	382	20	0	403	12	12	27	1	52	21	237	3	21	282	18	9	9	0	36	773
<b>Total</b>	<b>10</b>	<b>1579</b>	<b>62</b>	<b>0</b>	<b>1651</b>	<b>30</b>	<b>43</b>	<b>94</b>	<b>3</b>	<b>170</b>	<b>43</b>	<b>808</b>	<b>10</b>	<b>42</b>	<b>903</b>	<b>89</b>	<b>20</b>	<b>35</b>	<b>0</b>	<b>144</b>	<b>2868</b>
08:00 AM	1	312	11	2	326	11	8	20	0	39	15	199	4	14	232	18	5	12	0	35	632
08:15 AM	3	268	15	0	286	9	3	22	0	34	11	172	1	11	195	14	5	14	0	33	548
08:30 AM	2	280	11	0	293	7	4	23	0	34	13	165	1	14	193	9	6	13	0	28	548
08:45 AM	1	265	15	0	281	7	2	20	2	31	12	201	5	9	227	32	5	22	0	59	598
<b>Total</b>	<b>7</b>	<b>1125</b>	<b>52</b>	<b>2</b>	<b>1186</b>	<b>34</b>	<b>17</b>	<b>85</b>	<b>2</b>	<b>138</b>	<b>51</b>	<b>737</b>	<b>11</b>	<b>48</b>	<b>847</b>	<b>73</b>	<b>21</b>	<b>61</b>	<b>0</b>	<b>155</b>	<b>2326</b>
09:00 AM	3	228	11	0	242	7	7	14	0	28	11	169	2	10	192	22	3	9	0	34	496
09:15 AM	2	179	5	0	186	13	7	23	0	43	8	194	4	8	214	9	8	18	0	35	478
*** BREAK ***																					
<b>Total</b>	<b>5</b>	<b>407</b>	<b>16</b>	<b>0</b>	<b>428</b>	<b>20</b>	<b>14</b>	<b>37</b>	<b>0</b>	<b>71</b>	<b>19</b>	<b>363</b>	<b>6</b>	<b>18</b>	<b>406</b>	<b>31</b>	<b>11</b>	<b>27</b>	<b>0</b>	<b>69</b>	<b>974</b>
*** BREAK ***																					
10:30 AM	5	207	13	0	225	8	4	14	0	26	13	237	3	14	267	21	8	16	0	45	563
10:45 AM	5	197	8	0	210	4	5	23	2	34	8	240	4	9	261	5	8	15	0	28	533
<b>Total</b>	<b>10</b>	<b>404</b>	<b>21</b>	<b>0</b>	<b>435</b>	<b>12</b>	<b>9</b>	<b>37</b>	<b>2</b>	<b>60</b>	<b>21</b>	<b>477</b>	<b>7</b>	<b>23</b>	<b>528</b>	<b>26</b>	<b>16</b>	<b>31</b>	<b>0</b>	<b>73</b>	<b>1096</b>
11:00 AM	9	214	10	0	233	8	5	17	0	30	6	239	0	7	252	9	10	17	0	36	551
11:15 AM	11	233	22	0	266	16	4	18	1	39	8	244	6	8	266	15	4	15	0	34	605
11:30 AM	7	254	11	0	272	7	3	10	0	20	11	229	5	10	255	19	6	24	0	49	596
11:45 AM	0	253	9	3	265	5	7	22	1	35	20	229	6	21	276	12	12	15	0	39	615
<b>Total</b>	<b>27</b>	<b>954</b>	<b>52</b>	<b>3</b>	<b>1036</b>	<b>36</b>	<b>19</b>	<b>67</b>	<b>2</b>	<b>124</b>	<b>45</b>	<b>941</b>	<b>17</b>	<b>46</b>	<b>1049</b>	<b>55</b>	<b>32</b>	<b>71</b>	<b>0</b>	<b>158</b>	<b>2367</b>
12:00 PM	5	238	12	0	255	6	5	19	0	30	13	216	4	12	245	14	10	23	0	47	577
12:15 PM	3	218	14	0	235	11	11	19	0	41	10	261	1	10	282	8	8	19	0	35	593
12:30 PM	6	282	15	1	304	12	5	13	0	30	15	261	2	15	293	12	9	21	0	42	669
12:45 PM	8	247	12	0	267	11	6	23	0	40	18	255	2	19	294	10	10	10	0	30	631
<b>Total</b>	<b>22</b>	<b>985</b>	<b>53</b>	<b>1</b>	<b>1061</b>	<b>40</b>	<b>27</b>	<b>74</b>	<b>0</b>	<b>141</b>	<b>56</b>	<b>993</b>	<b>9</b>	<b>56</b>	<b>1114</b>	<b>44</b>	<b>37</b>	<b>73</b>	<b>0</b>	<b>154</b>	<b>2470</b>
01:00 PM	9	230	5	0	244	8	7	14	1	30	17	262	4	15	298	11	6	8	0	25	597
01:15 PM	12	231	18	1	262	7	6	14	0	27	19	257	1	20	297	12	6	12	0	30	616
*** BREAK ***																					
<b>Total</b>	<b>21</b>	<b>461</b>	<b>23</b>	<b>1</b>	<b>506</b>	<b>15</b>	<b>13</b>	<b>28</b>	<b>1</b>	<b>57</b>	<b>36</b>	<b>519</b>	<b>5</b>	<b>35</b>	<b>595</b>	<b>23</b>	<b>12</b>	<b>20</b>	<b>0</b>	<b>55</b>	<b>1213</b>
*** BREAK ***																					
02:30 PM	12	274	18	0	304	11	14	16	1	42	5	324	3	4	336	13	11	11	0	35	717
02:45 PM	10	304	15	0	329	9	7	19	0	35	21	371	5	21	418	11	13	17	0	41	823
<b>Total</b>	<b>22</b>	<b>578</b>	<b>33</b>	<b>0</b>	<b>633</b>	<b>20</b>	<b>21</b>	<b>35</b>	<b>1</b>	<b>77</b>	<b>26</b>	<b>695</b>	<b>8</b>	<b>25</b>	<b>754</b>	<b>24</b>	<b>24</b>	<b>28</b>	<b>0</b>	<b>76</b>	<b>1540</b>
03:00 PM	7	270	9	0	286	15	13	18	1	47	24	308	2	24	358	17	14	22	0	53	744
03:15 PM	8	337	18	0	363	14	11	19	0	44	20	328	4	19	371	17	23	26	0	66	844
03:30 PM	10	372	18	0	400	12	9	22	0	43	22	329	3	22	376	9	8	18	0	35	854

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Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					County Rd C Westbound					TH 61 Northbound					County Rd C 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	
03:45 PM	10	324	21	1	356	13	10	25	1	49	20	403	5	20	448	13	10	15	0	38	891
Total	35	1303	66	1	1405	54	43	84	2	183	86	1368	14	85	1553	56	55	81	0	192	3333
04:00 PM	15	319	20	0	354	12	15	25	0	52	28	357	3	27	415	14	18	13	0	45	866
04:15 PM	10	324	15	1	350	15	8	21	1	45	32	438	4	31	505	14	9	24	0	47	947
04:30 PM	6	372	24	0	402	20	14	32	1	67	24	450	4	24	502	11	10	30	0	51	1022
04:45 PM	6	338	13	0	357	14	11	26	1	52	28	459	3	28	518	16	17	25	0	58	985
Total	37	1353	72	1	1463	61	48	104	3	216	112	1704	14	110	1940	55	54	92	0	201	3820
05:00 PM	9	324	10	0	343	15	9	19	0	43	21	489	2	21	533	6	19	33	0	58	977
05:15 PM	8	327	13	0	348	14	7	17	0	38	33	448	8	34	523	11	18	22	0	51	960
05:30 PM	5	283	6	0	294	7	5	18	0	30	18	439	8	17	482	13	8	20	0	41	847
05:45 PM	11	242	11	0	264	2	3	18	0	23	27	376	0	26	429	4	4	18	0	26	742
Total	33	1176	40	0	1249	38	24	72	0	134	99	1752	18	98	1967	34	49	93	0	176	3526
Grand Total	232	11163	517	9	11921	376	287	801	17	1481	620	10828	120	608	12176	564	339	629	0	1532	27110
Apprch %	1.9	93.6	4.3	0.1		25.4	19.4	54.1	1.1		5.1	88.9	1	5		36.8	22.1	41.1	0		
Total %	0.9	41.2	1.9	0	44	1.4	1.1	3	0.1	5.5	2.3	39.9	0.4	2.2	44.9	2.1	1.3	2.3	0	5.7	
Cars	232	11157	234	0	11623	376	287	783	0	1446	594	10828	120	594	12136	299	320	629	0	1248	26453
% Cars	100	99.9	45.3	0	97.5	100	100	97.8	0	97.6	95.8	100	100	97.7	99.7	53	94.4	100	0	81.5	97.6
Trucks	0	6	283	9	298	0	0	18	17	35	26	0	0	14	40	265	19	0	0	284	657
% Trucks	0	0.1	54.7	100	2.5	0	0	2.2	100	2.4	4.2	0	0	2.3	0.3	47	5.6	0	0	18.5	2.4

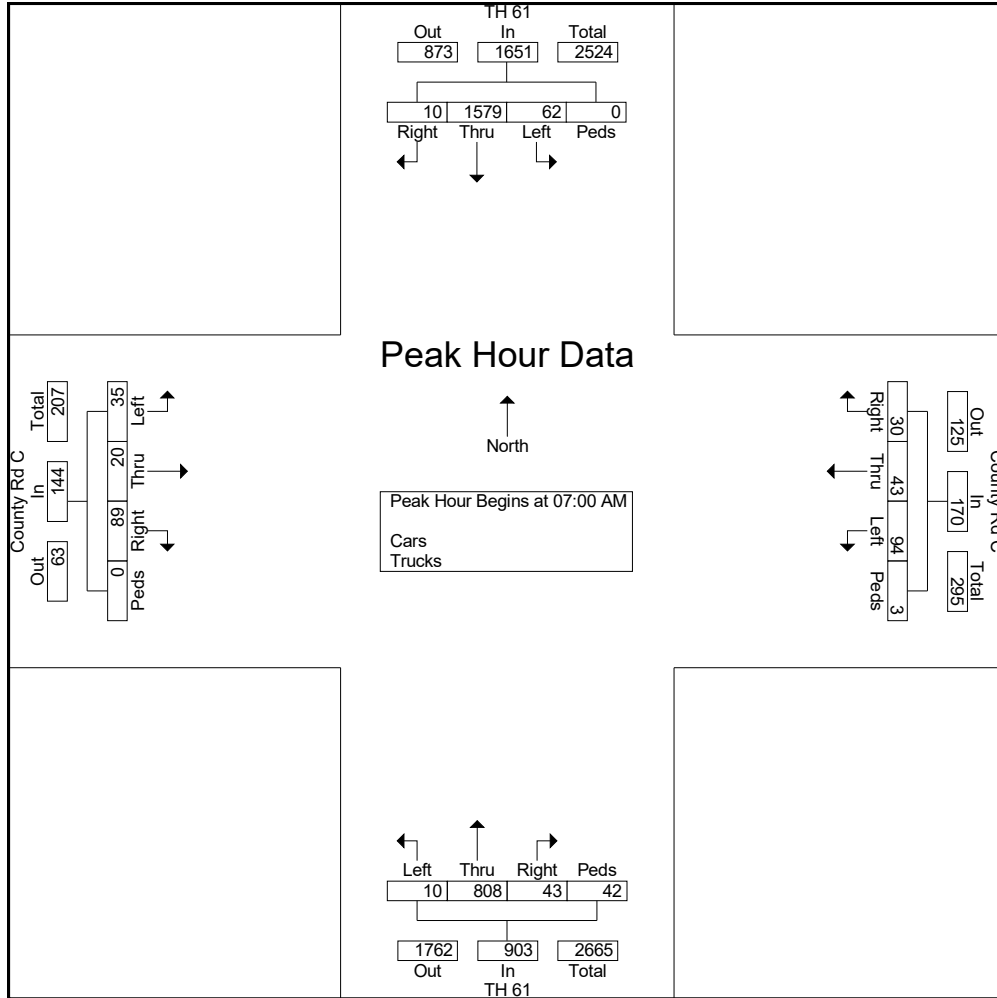
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	5	367	18	0	390	3	6	18	1	28	5	179	3	5	192	21	0	8	0	29	639
07:15 AM	1	427	13	0	441	12	12	25	0	49	6	193	2	6	207	27	4	6	0	37	734
07:30 AM	3	403	11	0	417	3	13	24	1	41	11	199	2	10	222	23	7	12	0	42	722
07:45 AM	1	382	20	0	403	12	12	27	1	52	21	237	3	21	282	18	9	9	0	36	773
Total Volume	10	1579	62	0	1651	30	43	94	3	170	43	808	10	42	903	89	20	35	0	144	2868
% App. Total	0.6	95.6	3.8	0		17.6	25.3	55.3	1.8		4.8	89.5	1.1	4.7		61.8	13.9	24.3	0		
PHF	.500	.924	.775	.000	.936	.625	.827	.870	.750	.817	.512	.852	.833	.500	.801	.824	.556	.729	.000	.857	.928



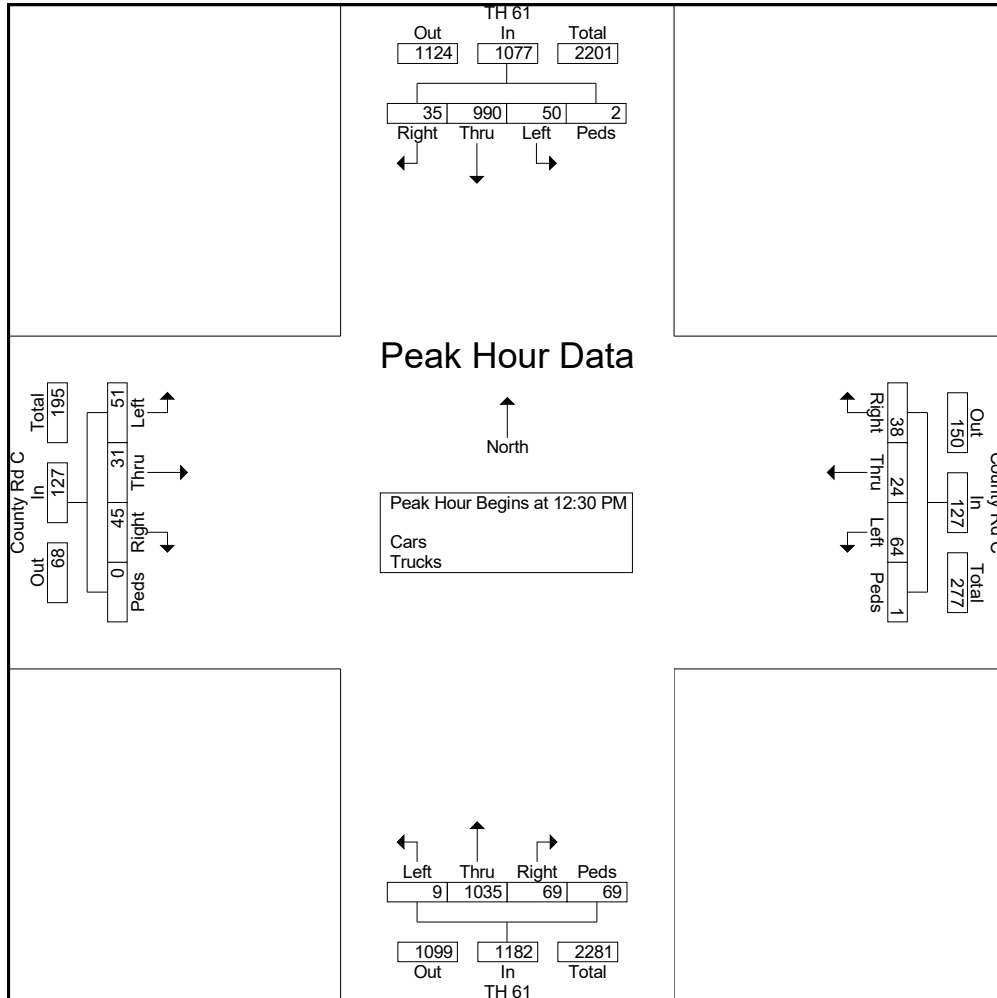
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Start Time	TH 61 Southbound					County Rd C Westbound					TH 61 Northbound					County Rd C Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:30 PM																					
12:30 PM	6	282	15	1	304	12	5	13	0	30	15	261	2	15	293	12	9	21	0	42	669
12:45 PM	8	247	12	0	267	11	6	23	0	40	18	255	2	19	294	10	10	10	0	30	631
01:00 PM	9	230	5	0	244	8	7	14	1	30	17	262	4	15	298	11	6	8	0	25	597
01:15 PM	12	231	18	1	262	7	6	14	0	27	19	257	1	20	297	12	6	12	0	30	616
Total Volume	35	990	50	2	1077	38	24	64	1	127	69	1035	9	69	1182	45	31	51	0	127	2513
% App. Total	3.2	91.9	4.6	0.2		29.9	18.9	50.4	0.8		5.8	87.6	0.8	5.8		35.4	24.4	40.2	0		
PHF	.729	.878	.694	.500	.886	.792	.857	.696	.250	.794	.908	.988	.563	.863	.992	.938	.775	.607	.000	.756	.939



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Start Time	TH 61 Southbound					County Rd C Westbound					TH 61 Northbound					County Rd C 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 02:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	6	372	24	0	402	20	14	32	1	67	24	450	4	24	502	11	10	30	0	51	1022
04:45 PM	6	338	13	0	357	14	11	26	1	52	28	459	3	28	518	16	17	25	0	58	985
05:00 PM	9	324	10	0	343	15	9	19	0	43	21	489	2	21	533	6	19	33	0	58	977
05:15 PM	8	327	13	0	348	14	7	17	0	38	33	448	8	34	523	11	18	22	0	51	960
Total Volume	29	1361	60	0	1450	63	41	94	2	200	106	1846	17	107	2076	44	64	110	0	218	3944
% App. Total	2	93.9	4.1	0		31.5	20.5	47	1		5.1	88.9	0.8	5.2		20.2	29.4	50.5	0		
PHF	.806	.915	.625	.000	.902	.788	.732	.734	.500	.746	.803	.944	.531	.787	.974	.688	.842	.833	.000	.940	.965

