

# ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

Intersection: TH 47 & 53rd Avenue  
 Date: 3/19/2024  
 Duration: 0600-1800

Site Code 605  
 Ref Pt: N/A  
 Page No: 1 of 4

## All Vehicles (Cars & Trucks) Printed

	TH 47 Southbound					53rd Avenue Westbound					TH 47 Northbound					53rd Avenue Eastbound					Int. Veh. Total	Int. Ped/Bike Total						
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										
6:00	--	11	118	21	150	--	--	5	1	18	24	--	--	--	88	1	89	--	--	8	--	271	--					
6:15	--	7	146	26	179	--	--	4	2	21	27	--	--	--	84	1	85	--	--	7	3	301	--					
6:30	--	18	150	40	208	--	--	5	2	36	43	--	--	--	147	5	152	--	--	19	4	428	--					
6:45	--	17	177	43	237	2	--	10	1	33	44	--	--	--	163	5	168	--	--	16	3	469	2					
<b>Hour Total</b>	--	<b>53</b>	<b>591</b>	<b>130</b>	<b>774</b>	<b>2</b>	--	<b>24</b>	<b>6</b>	<b>108</b>	<b>138</b>	--	--	--	<b>482</b>	<b>12</b>	<b>494</b>	--	--	<b>50</b>	<b>10</b>	<b>63</b>	--					
7:00	--	15	191	30	236	--	--	4	5	29	38	--	--	--	152	7	159	3	--	10	4	2	449	3				
7:15	--	8	208	35	251	--	--	8	6	31	45	--	--	--	176	11	187	--	--	16	5	2	506	--				
7:30	--	26	235	37	298	--	--	11	9	35	55	--	--	--	1	235	4	240	1	--	19	5	3	620	1			
7:45	1	15	264	29	309	--	--	12	15	39	66	--	--	--	245	18	263	--	--	16	3	--	657	--				
<b>Hour Total</b>	1	<b>64</b>	<b>898</b>	<b>131</b>	<b>1094</b>	--	--	<b>35</b>	<b>35</b>	<b>134</b>	<b>204</b>	--	--	--	<b>1</b>	<b>808</b>	<b>40</b>	<b>849</b>	<b>4</b>	--	<b>61</b>	<b>17</b>	<b>7</b>	<b>2232</b>	<b>4</b>			
8:00	--	13	192	26	231	2	--	23	6	26	55	--	--	--	181	16	197	1	--	11	5	--	499	3				
8:15	--	12	191	28	231	--	--	16	3	33	52	--	--	--	188	7	195	--	--	15	3	1	497	--				
8:30	--	21	154	23	198	--	--	14	9	33	56	--	--	--	2	151	3	156	1	--	14	4	1	429	1			
8:45	2	23	180	33	238	--	--	5	5	24	34	--	--	--	1	185	5	194	--	--	15	5	2	488	--			
<b>Hour Total</b>	2	<b>69</b>	<b>717</b>	<b>110</b>	<b>898</b>	<b>2</b>	--	<b>58</b>	<b>23</b>	<b>116</b>	<b>197</b>	--	--	--	<b>1</b>	<b>5</b>	<b>705</b>	<b>31</b>	<b>742</b>	<b>2</b>	--	<b>55</b>	<b>17</b>	<b>4</b>	<b>1913</b>	<b>4</b>		
9:00	--	25	135	24	184	--	--	8	6	24	38	--	--	--	2	151	9	162	3	--	15	5	1	405	3			
9:15	--	23	144	12	179	--	--	7	6	30	43	--	--	--	137	12	149	2	--	23	3	1	398	2				
9:30	--	12	142	23	177	--	--	11	8	25	44	--	--	--	2	142	8	152	--	--	8	5	1	387	--			
9:45	--	18	121	17	156	3	--	8	6	24	38	--	--	--	1	125	8	134	--	--	15	6	1	350	3			
<b>Hour Total</b>	--	<b>78</b>	<b>542</b>	<b>76</b>	<b>696</b>	<b>3</b>	--	<b>34</b>	<b>26</b>	<b>103</b>	<b>163</b>	--	--	--	<b>5</b>	<b>555</b>	<b>37</b>	<b>597</b>	<b>5</b>	--	<b>61</b>	<b>19</b>	<b>4</b>	<b>1540</b>	<b>8</b>			
10:00	--	30	137	20	187	--	--	4	6	24	34	--	--	--	3	109	12	124	--	--	12	3	--	360	4			
10:15	--	21	137	13	171	1	--	8	6	25	39	--	--	--	1	2	129	6	138	1	--	4	8	2	362	3		
10:30	1	23	138	17	179	--	--	6	6	21	33	--	--	--	1	1	138	9	149	--	--	11	1	--	373	--		
10:45	--	21	132	17	170	--	--	11	3	25	40	--	--	--	1	122	7	130	--	--	18	4	1	363	--			
<b>Hour Total</b>	1	<b>95</b>	<b>544</b>	<b>67</b>	<b>707</b>	<b>1</b>	--	<b>29</b>	<b>21</b>	<b>95</b>	<b>146</b>	--	--	--	<b>2</b>	<b>7</b>	<b>498</b>	<b>34</b>	<b>541</b>	<b>1</b>	--	<b>45</b>	<b>16</b>	<b>3</b>	<b>1458</b>	<b>7</b>		
11:00	--	13	133	25	171	--	--	15	9	22	46	--	--	--	3	133	10	146	--	--	11	5	--	379	--			
11:15	--	22	140	13	175	--	--	5	3	21	29	--	--	--	124	10	134	--	--	14	4	1	357	--				
11:30	--	22	166	31	219	--	--	5	11	29	45	--	--	--	3	138	18	159	2	--	11	8	1	443	3			
11:45	2	26	176	27	231	--	--	13	6	39	58	--	--	--	3	143	9	155	--	--	19	12	1	476	--			
<b>Hour Total</b>	2	<b>83</b>	<b>615</b>	<b>96</b>	<b>796</b>	--	--	<b>38</b>	<b>29</b>	<b>111</b>	<b>178</b>	--	--	--	<b>9</b>	<b>538</b>	<b>47</b>	<b>594</b>	<b>2</b>	--	<b>55</b>	<b>29</b>	<b>3</b>	<b>87</b>	<b>1</b>	<b>1655</b>	<b>3</b>	
12:00	1	28	139	20	188	--	--	12	11	31	54	--	--	--	2	142	11	155	--	--	9	6	2	414	--			
12:15	--	28	153	20	201	--	--	10	10	29	49	--	--	--	1	126	10	137	2	--	10	4	3	404	2			
12:30	2	27	150	18	197	--	--	3	13	29	45	--	--	--	1	4	148	10	163	--	--	9	6	--	420	--		
12:45	2	35	154	36	227	--	--	7	3	30	40	--	--	--	1	151	12	164	2	--	17	10	--	458	2			
<b>Hour Total</b>	5	<b>118</b>	<b>596</b>	<b>94</b>	<b>813</b>	--	--	<b>32</b>	<b>37</b>	<b>119</b>	<b>188</b>	--	--	--	<b>1</b>	<b>8</b>	<b>567</b>	<b>43</b>	<b>619</b>	<b>4</b>	--	<b>45</b>	<b>26</b>	<b>5</b>	<b>76</b>	--	<b>1696</b>	<b>4</b>
13:00	2	30	151	31	214	--	--	11	6	23	40	--	--	--	160	6	166	--	--	13	4	1	438	--				
13:15	--	25	169	19	213	--	--	9	13	31	53	--	--	--	1	178	12	191	2	--	9	7	3	476	2			
13:30	4	29	171	28	232	--	--	12	6	28	46	--	--	--	3	187	18	208	1	--	18	4	3	511	1			
13:45	--	29	182	19	230	3	--	11	5	34	50	--	--	--	1	161	9	171	2	--	18	7	3	479	5			
<b>Hour Total</b>	6	<b>113</b>	<b>673</b>	<b>97</b>	<b>889</b>	<b>3</b>	--	<b>43</b>	<b>30</b>	<b>116</b>	<b>189</b>	--	--	--	<b>5</b>	<b>686</b>	<b>45</b>	<b>736</b>	<b>5</b>	--	<b>58</b>	<b>22</b>	<b>10</b>	<b>90</b>	--	<b>1904</b>	<b>8</b>	
14:00	2	30	198	29	259	--	--	12	8	48	68	--	--	--	1	188	12	201	2	--	15	8	1	552	2			
14:15	1	38	201	40	280	1	--	10	8	35	53	--	--	--	1	189	9	200	3	--	17	8	--	558	4			
14:30	1	39	224	26	290	--	--	11	7	43	61	--	--	--	3	195	17	215	--	--	26	9	3	604	--			
14:45	1	36	233	35	305	2	--	17	8	33	58	--	--	--	1	218	17	236	--	--	15	9	2	625	2			
<b>Hour Total</b>	5	<b>143</b>	<b>856</b>	<b>130</b>	<b>1134</b>	<b>3</b>	--	<b>50</b>	<b>31</b>	<b>159</b>	<b>240</b>	--	--	--	<b>1</b>	<b>6</b>	<b>790</b>	<b>55</b>	<b>852</b>	<b>5</b>	--	<b>73</b>	<b>34</b>	<b>6</b>	<b>113</b>	--	<b>2339</b>	<b>8</b>
15:00	--	35	210	36	281	--	--	21	14	27	62	--	--	--	1	242	14	257	1	--	22	6	1	629	1			
15:15	1	42	260	31	334	2	--	13	8	40	61	--	--	--	2	221	18	241	2	--	18	9	4	667	4			
15:30	--	42	231	29	302	1	--	10	13	43	66	2	--	--	3	278	18	299	3	--	31	7	1	706	6			
15:45	--	44	196	33	273	--	--	18	10	43	71	--	--	--	2	212	21	239	2	--	10	8	--	601	2			
<b>Hour Total</b>	1	<b>163</b>	<b>897</b>	<b>129</b>	<b>1190</b>	<b>3</b>	--	<b>62</b>	<b>45</b>	<b>153</b>	<b>260</b>	<b>2</b>	--	--	<b>2</b>	<b>10</b>	<b>953</b>	<b>71</b>	<b>1036</b>	<b>8</b>	--	<b>81</b>	<b>30</b>	<b>6</b>	<b>117</b>	--	<b>2603</b>	<b>13</b>
16:00	2	42	221	31	296	1	--	20	10	53	83	--	--	--	3	244	23	270	--	--	15	7	2	647	2			
16:15	2	41	223	32	298	1	--	9	11	30	50	--	--	--	2	250	18	270	--	--	16	7	2	643	2			
16:30	2	44	227	31	304	2	--	17	8	26	51	--	--	--	2	286	14	302	--	--	16	9	--	682	2			
16:45	--	47	228	31	306	--	--	19	10	42	71	--	--	--	1	227	18	246	--	--	17	6	3	649	--			
<b>Hour Total</b>	6	<b>174</b> </td																										

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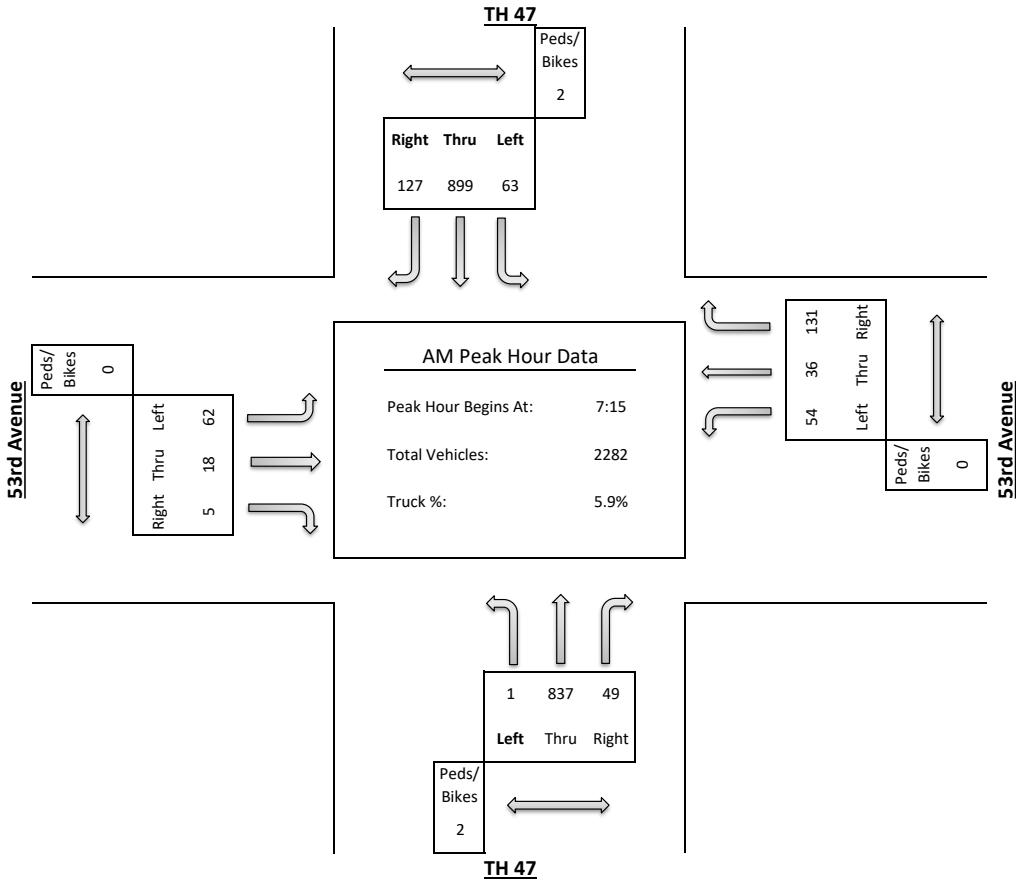
733 S Marquette Ave #700, Minneapolis, MN 55402

Intersection: TH 47 & 53rd Avenue  
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Site Code 605  
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## All Vehicles (Cars & Trucks) Printed

Start Time	TH 47 Southbound					53rd Avenue Westbound					TH 47 Northbound					53rd 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									
7:15	--	8	208	35	251	--	--	8	6	31	45	--	--	--	176	11	187	--	--	16	5	2	23	--	506	--	
7:30	--	26	235	37	298	--	--	11	9	35	55	--	--	1	235	4	240	1	--	19	5	3	27	--	620	1	
7:45	1	15	264	29	309	--	--	12	15	39	66	--	--	--	245	18	263	--	--	16	3	--	19	--	657	--	
8:00	--	13	192	26	231	2	--	23	6	26	55	--	--	--	181	16	197	1	--	11	5	--	16	--	499	3	
Hour Total	1	62	899	127	1089	2	--	54	36	131	221	--	--	1	837	49	887	2	--	62	18	5	85	--	2282	4	
% of App.	0.1%	5.7%	82.6%	11.7%			0.0%	24.4%	16.3%	59.3%			0.0%	0.1%	94.4%	5.5%		0.0%	72.9%	21.2%	5.9%						
% of Total	0.0%	2.7%	39.4%	5.6%	47.7%	50.0%	0.0%	2.4%	1.6%	5.7%	9.7%	0.0%	0.0%	0.0%	36.7%	2.1%	38.9%	50.0%	0.0%	2.7%	0.8%	0.2%	3.7%	0.0%			
Cars Total	1	56	845	115	1017	2	--	54	32	126	212	--	--	1	798	46	845	2	--	54	15	5	74	--	2148	4	
Cars % of Movement	100%	90.3%	94.0%	90.6%	93.4%	50.0%	0.0%	100%	88.9%	96.2%	95.9%	0.0%	0.0%	100%	95.3%	93.9%	95.3%	50.0%	0.0%	87.1%	83.3%	100%	87.1%	0.0%	94.1%		
Trucks Total	--	6	54	12	72	--	--	--	4	5	9	--	--	--	--	39	3	42	--	--	8	3	--	11	--	134	--
Trucks % of Movement	0.0%	9.7%	6.0%	9.4%	6.6%	--	0.0%	0.0%	11.1%	3.8%	4.1%	--	0.0%	0.0%	4.7%	6.1%	4.7%	--	0.0%	12.9%	16.7%	0.0%	12.9%	--	5.9%		



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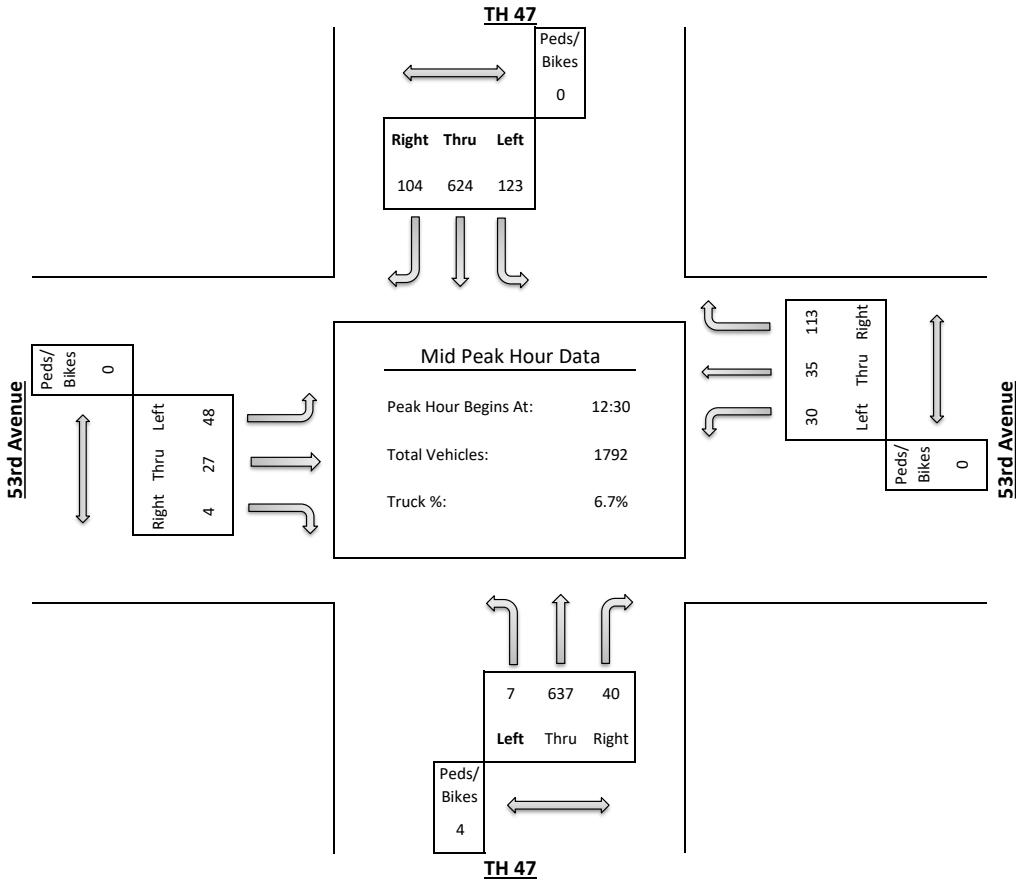
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Start Time	TH 47 Southbound					53rd Avenue Westbound					TH 47 Northbound					53rd Avenue Eastbound					Int. Veh. Total	Int. Ped/Bike Total				
	U-Turn	Left	Thru	Right	App. Total	Peds/Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/Bikes	U-Turn	Left	Thru	Right	App. Total	Peds/Bikes								
12:30	2	27	150	18	197	--	--	3	13	29	45	--	1	4	148	10	163	--	--	9	6	--	15	--	420	--
12:45	2	35	154	36	227	--	--	7	3	30	40	--	--	1	151	12	164	2	--	17	10	--	27	--	458	2
13:00	2	30	151	31	214	--	--	11	6	23	40	--	--	--	160	6	166	--	--	13	4	1	18	--	438	--
13:15	--	25	169	19	213	--	--	9	13	31	53	--	--	1	178	12	191	2	--	9	7	3	19	--	476	2
Hour Total	6	117	624	104	851	--	--	30	35	113	178	--	1	6	637	40	684	4	--	48	27	4	79	--	1792	4
% of App.	0.7%	13.7%	73.3%	12.2%			0.0%	16.9%	19.7%	63.5%		0.1%	0.9%	93.1%	5.8%		0.0%	60.8%	34.2%	5.1%						
% of Total	0.3%	6.5%	34.8%	5.8%	47.5%	0.0%	0.0%	1.7%	2.0%	6.3%	9.9%	0.0%	0.1%	0.3%	35.5%	2.2%	38.2%	#####	0.0%	2.7%	1.5%	0.2%	4.4%	0.0%		
Cars Total	6	114	579	93	792	--	--	30	33	110	173	--	1	6	586	40	633	4	--	44	27	3	74	--	1672	4
Cars % of Movement	100%	97.4%	92.8%	89.4%	93.1%	0.0%	0.0%	100%	94.3%	97.3%	97.2%	0.0%	100%	100%	92.0%	100%	92.5%	#####	0.0%	91.7%	100%	75.0%	93.7%	0.0%	93.3%	
Trucks Total	--	3	45	11	59	--	--	--	2	3	5	--	--	--	51	--	51	--	--	4	--	1	5	--	120	--
Trucks % of Movement	0.0%	2.6%	7.2%	10.6%	6.9%	--	0.0%	0.0%	5.7%	2.7%	2.8%	--	0.0%	0.0%	8.0%	0.0%	7.5%	--	0.0%	8.3%	0.0%	25.0%	6.3%	--	6.7%	



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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										
15:15	1	42	260	31	334	2	--	13	8	40	61	--	--	2	221	18	241	2	--	18	9	4	31	--	667	4		
15:30	--	42	231	29	302	1	--	10	13	43	66	2	--	3	278	18	299	3	--	31	7	1	39	--	706	6		
15:45	--	44	196	33	273	--	--	18	10	43	71	--	2	4	212	21	239	2	--	10	8	--	18	--	601	2		
16:00	2	42	221	31	296	1	--	20	10	53	83	--	--	3	244	23	270	--	--	15	7	2	24	1	673	2		
<b>Hour Total</b>	<b>3</b>	<b>170</b>	<b>908</b>	<b>124</b>	<b>1205</b>	<b>4</b>	--	<b>61</b>	<b>41</b>	<b>179</b>	<b>281</b>	<b>2</b>	<b>2</b>	<b>12</b>	<b>955</b>	<b>80</b>	<b>1049</b>	<b>7</b>	--	<b>74</b>	<b>31</b>	<b>7</b>	<b>112</b>	<b>1</b>	<b>2647</b>	<b>14</b>		
% of App.	0.2%	14.1%	75.4%	10.3%			0.0%	21.7%	14.6%	63.7%		0.2%	1.1%	91.0%	7.6%		0.0%	66.1%	27.7%	6.3%								
% of Total	0.1%	6.4%	34.3%	4.7%	45.5%	28.6%	0.0%	2.3%	1.5%	6.8%	10.6%	14.3%	0.1%	0.5%	36.1%	3.0%	39.6%	50.0%	0.0%	2.8%	1.2%	0.3%	4.2%	7.1%				
Cars Total	3	164	886	115	<b>1168</b>	4	--	59	37	172	<b>268</b>	2	2	12	926	79	<b>1019</b>	7	--	70	28	7	<b>105</b>	1	2560	14		
Cars % of Movement	100%	96.5%	97.6%	92.7%	96.9%	28.6%	0.0%	96.7%	90.2%	96.1%	95.4%	14.3%	100%	100%	97.0%	98.8%	97.1%	50.0%	0.0%	94.6%	90.3%	100%	93.8%	7.1%	96.7%			
Trucks Total	--	6	22	9	<b>37</b>	--	--	2	4	7	<b>13</b>	--	--	--	29	1	<b>30</b>	--	--	4	3	--	<b>7</b>	--	87	--		
Trucks % of Movement	0.0%	3.5%	2.4%	7.3%	3.1%	--	0.0%	3.3%	9.8%	3.9%	4.6%	--	0.0%	0.0%	3.0%	1.3%	2.9%	--	0.0%	5.4%	9.7%	0.0%	6.3%	--	3.3%			

