

# ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

CSAH 25 (CR B) & State Farm Rd  
 City: Roseville  
 data by: Alliant Engineering, Inc.  
 TURN MOVEMENT COUNT

File Name : CSAH 25 (CR B) & State Farm Rd\_2021  
 Site Code : 108  
 Start Date : 10/13/2021  
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	State Farm Rd Southbound					CSAH 25 (CR B) Westbound					Shopping Access Northbound					CSAH 25 (CR B) 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	1	1	0	4	2	13	1	0	16	0	0	1	0	1	0	3	3	0	6	27
06:15 AM	0	1	0	0	1	4	5	0	0	9	0	0	1	0	1	2	8	2	0	12	23
06:30 AM	0	0	1	1	2	6	24	0	0	30	0	0	0	0	0	1	5	1	0	7	39
06:45 AM	0	0	2	0	2	5	15	2	0	22	0	1	0	1	2	6	15	5	0	26	52
<b>Total</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>9</b>	<b>17</b>	<b>57</b>	<b>3</b>	<b>0</b>	<b>77</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>9</b>	<b>31</b>	<b>11</b>	<b>0</b>	<b>51</b>	<b>141</b>
07:00 AM	0	0	5	0	5	8	24	5	0	37	3	0	0	0	3	17	13	3	0	33	78
07:15 AM	4	1	9	1	15	8	51	5	0	64	1	0	1	0	2	18	28	2	1	49	130
07:30 AM	3	2	7	0	12	12	54	14	0	80	3	1	1	0	5	21	25	2	0	48	145
07:45 AM	9	3	8	0	20	6	45	14	0	65	1	0	0	0	1	18	29	4	0	51	137
<b>Total</b>	<b>16</b>	<b>6</b>	<b>29</b>	<b>1</b>	<b>52</b>	<b>34</b>	<b>174</b>	<b>38</b>	<b>0</b>	<b>246</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>11</b>	<b>74</b>	<b>95</b>	<b>11</b>	<b>1</b>	<b>181</b>	<b>490</b>
08:00 AM	11	0	8	0	19	7	49	13	0	69	2	0	2	0	4	18	17	4	0	39	131
08:15 AM	4	0	5	0	9	1	45	7	0	53	0	1	5	0	6	21	26	3	0	50	118
08:30 AM	5	3	10	1	19	6	56	14	3	79	3	1	0	3	7	30	36	4	0	70	175
08:45 AM	14	1	12	0	27	11	50	8	1	70	4	0	1	0	5	39	35	7	0	81	183
<b>Total</b>	<b>34</b>	<b>4</b>	<b>35</b>	<b>1</b>	<b>74</b>	<b>25</b>	<b>200</b>	<b>42</b>	<b>4</b>	<b>271</b>	<b>9</b>	<b>2</b>	<b>8</b>	<b>3</b>	<b>22</b>	<b>108</b>	<b>114</b>	<b>18</b>	<b>0</b>	<b>240</b>	<b>607</b>
09:00 AM	8	3	13	1	25	15	58	13	0	86	6	2	1	2	11	31	37	6	0	74	196
09:15 AM	8	2	10	0	20	25	41	13	0	79	4	3	1	0	8	51	34	16	0	101	208
*** BREAK ***																					
<b>Total</b>	<b>16</b>	<b>5</b>	<b>23</b>	<b>1</b>	<b>45</b>	<b>40</b>	<b>99</b>	<b>26</b>	<b>0</b>	<b>165</b>	<b>10</b>	<b>5</b>	<b>2</b>	<b>2</b>	<b>19</b>	<b>82</b>	<b>71</b>	<b>22</b>	<b>0</b>	<b>175</b>	<b>404</b>
*** BREAK ***																					
10:30 AM	16	10	23	0	49	28	39	17	0	84	16	0	3	1	20	37	38	26	0	101	254
10:45 AM	16	2	24	2	44	22	54	17	1	94	24	1	2	0	27	53	39	20	0	112	277
<b>Total</b>	<b>32</b>	<b>12</b>	<b>47</b>	<b>2</b>	<b>93</b>	<b>50</b>	<b>93</b>	<b>34</b>	<b>1</b>	<b>178</b>	<b>40</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>47</b>	<b>90</b>	<b>77</b>	<b>46</b>	<b>0</b>	<b>213</b>	<b>531</b>
11:00 AM	6	5	32	0	43	23	59	14	0	96	18	2	8	0	28	56	33	30	1	120	287
11:15 AM	17	11	26	0	54	25	53	16	1	95	30	3	6	0	39	43	41	16	0	100	288
11:30 AM	15	4	25	0	44	26	57	15	0	98	31	5	7	2	45	62	41	27	1	131	318
11:45 AM	16	9	38	0	63	33	45	15	0	93	38	12	6	0	56	61	45	16	1	123	335
<b>Total</b>	<b>54</b>	<b>29</b>	<b>121</b>	<b>0</b>	<b>204</b>	<b>107</b>	<b>214</b>	<b>60</b>	<b>1</b>	<b>382</b>	<b>117</b>	<b>22</b>	<b>27</b>	<b>2</b>	<b>168</b>	<b>222</b>	<b>160</b>	<b>89</b>	<b>3</b>	<b>474</b>	<b>1228</b>
12:00 PM	13	10	33	0	56	36	67	10	3	116	26	5	7	1	39	62	57	31	2	152	363
12:15 PM	12	6	30	0	48	35	48	13	0	96	30	7	6	1	44	71	39	31	0	141	329
12:30 PM	21	3	45	0	69	49	56	18	0	123	39	6	6	0	51	66	57	26	1	150	393
12:45 PM	12	3	33	1	49	37	54	22	0	113	44	7	9	0	60	56	60	25	0	141	363
<b>Total</b>	<b>58</b>	<b>22</b>	<b>141</b>	<b>1</b>	<b>222</b>	<b>157</b>	<b>225</b>	<b>63</b>	<b>3</b>	<b>448</b>	<b>139</b>	<b>25</b>	<b>28</b>	<b>2</b>	<b>194</b>	<b>255</b>	<b>213</b>	<b>113</b>	<b>3</b>	<b>584</b>	<b>1448</b>
*** BREAK ***																					
02:30 PM	27	5	32	0	64	21	46	9	0	76	30	8	6	1	45	60	63	16	0	139	324
02:45 PM	21	8	30	0	59	24	53	12	0	89	35	8	6	1	50	60	90	17	0	167	365
<b>Total</b>	<b>48</b>	<b>13</b>	<b>62</b>	<b>0</b>	<b>123</b>	<b>45</b>	<b>99</b>	<b>21</b>	<b>0</b>	<b>165</b>	<b>65</b>	<b>16</b>	<b>12</b>	<b>2</b>	<b>95</b>	<b>120</b>	<b>153</b>	<b>33</b>	<b>0</b>	<b>306</b>	<b>689</b>
03:00 PM	22	10	38	2	72	29	56	15	1	101	20	8	5	0	33	61	98	21	0	180	386
03:15 PM	17	6	21	1	45	23	54	13	0	90	21	10	10	0	41	69	86	26	1	182	358
03:30 PM	22	7	34	0	63	23	46	14	1	84	23	6	4	0	33	57	77	28	0	162	342
03:45 PM	18	3	32	1	54	32	62	20	0	114	25	5	3	0	33	79	102	14	0	195	396
<b>Total</b>	<b>79</b>	<b>26</b>	<b>125</b>	<b>4</b>	<b>234</b>	<b>107</b>	<b>218</b>	<b>62</b>	<b>2</b>	<b>389</b>	<b>89</b>	<b>29</b>	<b>22</b>	<b>0</b>	<b>140</b>	<b>266</b>	<b>363</b>	<b>89</b>	<b>1</b>	<b>719</b>	<b>1482</b>
04:00 PM	29	5	27	0	61	27	42	24	0	93	34	6	18	2	60	82	74	27	0	183	397
04:15 PM	27	4	29	0	60	26	60	21	0	107	21	5	12	1	39	77	77	24	2	180	386

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File Name : CSAH 25 (CR B) & State Farm Rd\_2021  
 Site Code : 108  
 Start Date : 10/13/2021  
 Page No : 2

Groups Printed- Cars - Trucks

Start Time	State Farm Rd Southbound					CSAH 25 (CR B) Westbound					Shopping Access Northbound					CSAH 25 (CR B) 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	
04:30 PM	24	10	37	1	72	30	55	22	0	107	26	4	8	0	38	78	72	30	1	181	398
04:45 PM	25	9	35	0	69	35	71	27	0	133	36	4	7	0	47	82	85	30	1	198	447
Total	105	28	128	1	262	118	228	94	0	440	117	19	45	3	184	319	308	111	4	742	1628
05:00 PM	25	9	36	0	70	37	63	19	1	120	30	6	13	1	50	76	65	26	0	167	407
05:15 PM	32	8	24	0	64	42	72	26	0	140	39	9	7	0	55	98	97	19	0	214	473
05:30 PM	28	9	29	0	66	40	53	20	2	115	27	7	11	0	45	80	66	20	1	167	393
05:45 PM	29	10	44	0	83	23	57	16	1	97	32	8	9	2	51	52	52	20	0	124	355
Total	114	36	133	0	283	142	245	81	4	472	128	30	40	3	201	306	280	85	1	672	1628
06:00 PM	26	8	38	2	74	38	43	22	2	105	28	9	15	0	52	73	59	21	1	154	385
06:15 PM	22	12	42	0	76	29	52	14	0	95	44	6	10	0	60	90	49	20	0	159	390
Grand Total	606	203	928	14	1751	909	1947	560	17	3433	794	166	218	19	1197	2014	1973	669	14	4670	11051
Apprch %	34.6	11.6	53	0.8		26.5	56.7	16.3	0.5		66.3	13.9	18.2	1.6		43.1	42.2	14.3	0.3		
Total %	5.5	1.8	8.4	0.1	15.8	8.2	17.6	5.1	0.2	31.1	7.2	1.5	2	0.2	10.8	18.2	17.9	6.1	0.1	42.3	
Cars	603	201	919	13	1736	900	1887	560	17	3364	783	165	214	15	1177	1994	1898	661	14	4567	10844
% Cars	99.5	99	99	92.9	99.1	99	96.9	100	100	98	98.6	99.4	98.2	78.9	98.3	99	96.2	98.8	100	97.8	98.1
Trucks	3	2	9	1	15	9	60	0	0	69	11	1	4	4	20	20	75	8	0	103	207
% Trucks	0.5	1	1	7.1	0.9	1	3.1	0	0	2	1.4	0.6	1.8	21.1	1.7	1	3.8	1.2	0	2.2	1.9

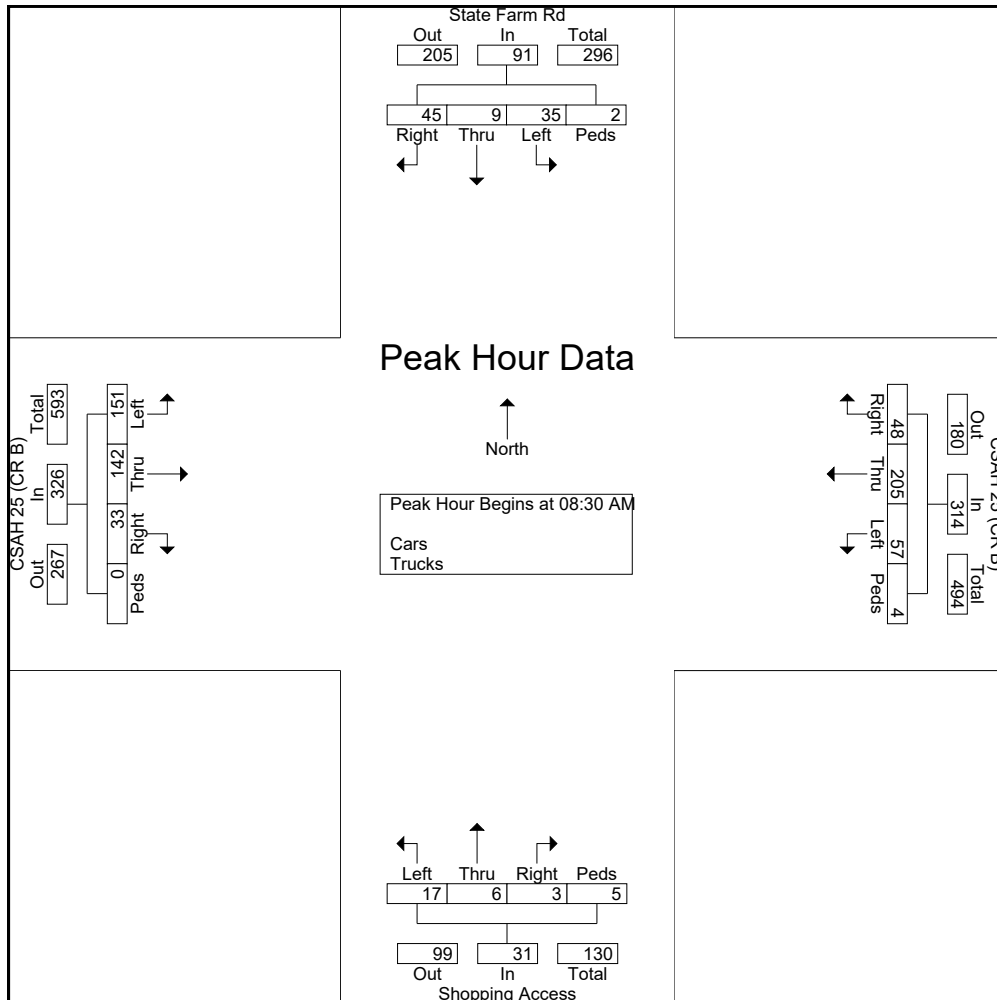
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:30 AM																					
08:30 AM	5	3	10	1	19	6	56	14	3	79	3	1	0	3	7	30	36	4	0	70	175
08:45 AM	14	1	12	0	27	11	50	8	1	70	4	0	1	0	5	39	35	7	0	81	183
09:00 AM	8	3	13	1	25	15	58	13	0	86	6	2	1	2	11	31	37	6	0	74	196
09:15 AM	8	2	10	0	20	25	41	13	0	79	4	3	1	0	8	51	34	16	0	101	208
Total Volume	35	9	45	2	91	57	205	48	4	314	17	6	3	5	31	151	142	33	0	326	762
% App. Total	38.5	9.9	49.5	2.2		18.2	65.3	15.3	1.3		54.8	19.4	9.7	16.1		46.3	43.6	10.1	0		
PHF	.625	.750	.865	.500	.843	.570	.884	.857	.333	.913	.708	.500	.750	.417	.705	.740	.959	.516	.000	.807	.916



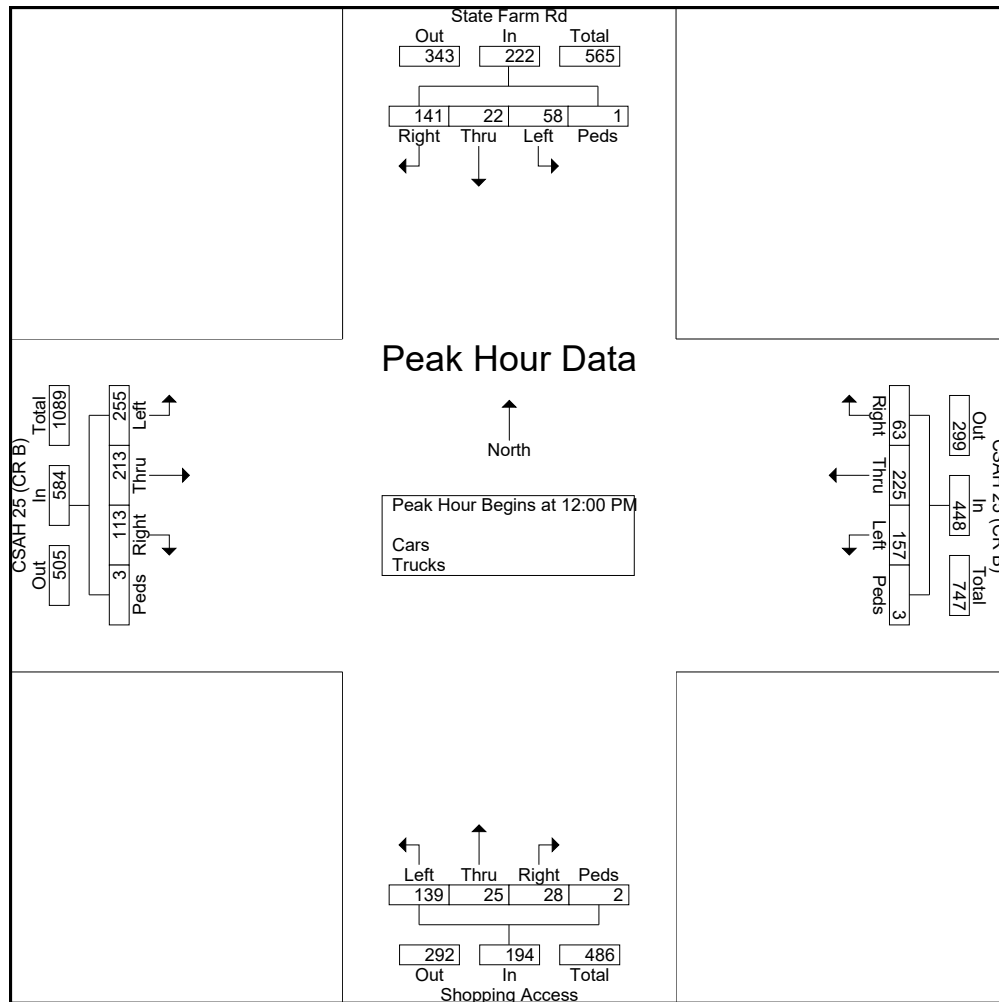
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Start Time	State Farm Rd Southbound					CSAH 25 (CR B) Westbound					Shopping Access Northbound					CSAH 25 (CR B) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	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 12:00 PM																					
12:00 PM	13	10	33	0	56	36	67	10	3	116	26	5	7	1	39	62	57	31	2	152	363
12:15 PM	12	6	30	0	48	35	48	13	0	96	30	7	6	1	44	71	39	31	0	141	329
12:30 PM	21	3	45	0	69	49	56	18	0	123	39	6	6	0	51	66	57	26	1	150	393
12:45 PM	12	3	33	1	49	37	54	22	0	113	44	7	9	0	60	56	60	25	0	141	363
Total Volume	58	22	141	1	222	157	225	63	3	448	139	25	28	2	194	255	213	113	3	584	1448
% App. Total	26.1	9.9	63.5	0.5		35	50.2	14.1	0.7		71.6	12.9	14.4	1		43.7	36.5	19.3	0.5		
PHF	.690	.550	.783	.250	.804	.801	.840	.716	.250	.911	.790	.893	.778	.500	.808	.898	.888	.911	.375	.961	.921



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Start Time	State Farm Rd Southbound					CSAH 25 (CR B) Westbound					Shopping Access Northbound					CSAH 25 (CR B) 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 06:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	24	10	37	1	72	30	55	22	0	107	26	4	8	0	38	78	72	30	1	181	398
04:45 PM	25	9	35	0	69	35	71	27	0	133	36	4	7	0	47	82	85	30	1	198	447
05:00 PM	25	9	36	0	70	37	63	19	1	120	30	6	13	1	50	76	65	26	0	167	407
05:15 PM	32	8	24	0	64	42	72	26	0	140	39	9	7	0	55	98	97	19	0	214	473
Total Volume	106	36	132	1	275	144	261	94	1	500	131	23	35	1	190	334	319	105	2	760	1725
% App. Total	38.5	13.1	48	0.4		28.8	52.2	18.8	0.2		68.9	12.1	18.4	0.5		43.9	42	13.8	0.3		
PHF	.828	.900	.892	.250	.955	.857	.906	.870	.250	.893	.840	.639	.673	.250	.864	.852	.822	.875	.500	.888	.912

