

**Alliant Engineering, Inc**

233 Park Ave Suite 300  
 Minneapolis, MN 55415

--TRAFFIC DATA --

CSAH-60 at I-35 West Ramp  
 Ref.Pt.: 84.501  
 data by : Alliant Inc.  
 TURN MOVEMENT COUNT

File Name : 372\_CSAH 60 & I-35 W Ramp  
 Site Code : 372  
 Start Date : 10/25/2017  
 Page No : 1

Groups Printed- Vehicles - Trucks

Start Time	I-35 W Ramp From North				CSAH 60 From East				I-35 W Ramp From South				CSAH 60 From West				Int. Total
	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	
06:00 AM	0	14	0	19	0	2	73	0	0	0	0	0	0	0	108	10	226
06:15 AM	0	19	1	23	0	13	92	0	0	0	0	0	0	0	152	29	329
06:30 AM	0	38	0	42	0	17	149	0	0	0	0	0	0	0	199	22	467
06:45 AM	0	49	0	55	0	13	184	0	0	0	0	1	0	0	196	18	516
Total	0	120	1	139	0	45	498	0	0	0	0	1	0	0	655	79	1538
07:00 AM	0	36	0	58	0	9	167	0	0	0	0	0	0	0	271	14	555
07:15 AM	0	43	0	56	0	14	213	0	0	0	0	0	0	0	292	23	641
07:30 AM	0	32	0	70	0	19	196	0	0	0	0	0	0	0	297	18	632
07:45 AM	0	43	2	75	0	11	185	0	0	0	0	0	0	0	282	14	612
Total	0	154	2	259	0	53	761	0	0	0	0	0	0	0	1142	69	2440
08:00 AM	0	45	0	72	0	10	154	0	0	0	0	0	0	0	245	5	531
08:15 AM	0	23	0	60	1	12	141	0	0	0	0	0	0	0	235	3	475
08:30 AM	0	30	0	43	0	13	121	0	0	0	0	0	0	0	252	7	466
08:45 AM	0	44	0	55	0	14	117	0	0	0	0	0	0	0	189	15	434
Total	0	142	0	230	1	49	533	0	0	0	0	0	0	0	921	30	1906
09:00 AM	0	44	0	67	0	12	97	0	0	0	0	0	0	0	205	16	441
09:15 AM	0	29	0	45	0	18	112	0	0	0	0	0	0	0	188	10	402
*** BREAK ***																	
Total	0	73	0	112	0	30	209	0	0	0	0	0	0	0	393	26	843
*** BREAK ***																	
10:30 AM	0	42	0	74	0	11	86	0	0	0	0	0	0	0	126	9	348
10:45 AM	0	37	1	68	1	12	72	0	0	0	0	0	0	0	131	16	338
Total	0	79	1	142	1	23	158	0	0	0	0	0	0	0	257	25	686
11:00 AM	0	39	1	68	1	15	80	0	0	0	0	0	0	0	119	9	332
11:15 AM	0	60	0	69	0	12	95	0	0	0	0	0	0	0	130	13	379
11:30 AM	0	62	1	106	0	12	117	0	0	0	0	0	0	0	119	20	437
11:45 AM	0	54	0	105	0	17	110	0	0	0	0	0	0	0	125	16	427
Total	0	215	2	348	1	56	402	0	0	0	0	0	0	0	493	58	1575
12:00 PM	0	66	0	75	1	14	100	0	0	0	0	0	0	0	143	18	417
12:15 PM	0	69	0	84	0	17	105	0	0	0	0	0	0	0	128	9	412
12:30 PM	0	72	0	94	0	9	92	0	0	0	0	0	0	0	130	10	407
12:45 PM	0	64	0	77	0	19	88	0	0	0	0	0	0	0	127	8	383
Total	0	271	0	330	1	59	385	0	0	0	0	0	0	0	528	45	1619
01:00 PM	0	65	1	83	0	32	85	0	0	0	0	0	0	0	111	9	386
01:15 PM	0	77	0	99	0	30	77	0	0	0	0	0	0	0	111	14	408
*** BREAK ***																	
Total	0	142	1	182	0	62	162	0	0	0	0	0	0	0	222	23	794
*** BREAK ***																	
02:30 PM	0	79	0	109	0	23	117	0	0	0	0	0	0	0	155	15	498
02:45 PM	0	95	0	129	0	12	170	0	0	0	0	0	0	0	163	27	596
Total	0	174	0	238	0	35	287	0	0	0	0	0	0	0	318	42	1094
03:00 PM	0	94	0	135	0	21	152	0	0	0	0	0	0	0	158	25	585
03:15 PM	0	95	0	165	0	23	181	0	0	0	0	0	0	0	159	45	668
03:30 PM	0	91	0	172	0	20	158	0	0	0	0	0	0	0	205	26	672
03:45 PM	0	114	0	220	0	29	187	0	0	0	0	0	0	0	225	36	811
Total	0	394	0	692	0	93	678	0	0	0	0	0	0	0	747	132	2736
04:00 PM	0	128	0	244	0	25	192	0	0	0	0	0	0	0	218	30	837
04:15 PM	0	126	0	232	0	26	198	0	0	0	0	0	0	0	244	27	853
04:30 PM	0	99	0	189	0	26	188	0	0	0	0	0	0	0	238	24	764
04:45 PM	0	107	0	223	0	31	200	0	0	0	0	0	0	0	236	23	820
Total	0	460	0	888	0	108	778	0	0	0	0	0	0	0	936	104	3274

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File Name : 372\_CSAH 60 & I-35 W Ramp

Site Code : 372

Start Date : 10/25/2017

Page No : 2

Groups Printed- Vehicles - Trucks

Start Time	I-35 W Ramp From North				CSAH 60 From East				I-35 W Ramp From South				CSAH 60 From West				Int. Total
	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	
05:00 PM	0	109	0	184	0	28	195	0	0	0	0	0	0	0	239	19	774
05:15 PM	0	107	0	208	0	59	235	0	0	0	0	0	0	0	257	23	889
05:30 PM	0	83	0	172	0	37	195	0	0	0	0	0	0	0	234	12	733
05:45 PM	0	74	0	182	0	24	217	0	0	0	0	0	0	0	271	28	796
Total	0	373	0	746	0	148	842	0	0	0	0	0	0	0	1001	82	3192
Grand Total	0	2597	7	4306	4	761	5693	0	0	0	0	1	0	0	7613	715	21697
Apprch %	0	37.6	0.1	62.3	0.1	11.8	88.2	0	0	0	0	100	0	0	91.4	8.6	
Total %	0	12	0	19.8	0	3.5	26.2	0	0	0	0	0	0	0	35.1	3.3	
Vehicles	0	2515	5	4212	4	743	5423	0	0	0	0	0	0	0	7468	676	21046
% Vehicles	0	96.8	71.4	97.8	100	97.6	95.3	0	0	0	0	0	0	0	98.1	94.5	97
Trucks	0	82	2	94	0	18	270	0	0	0	0	1	0	0	145	39	651
% Trucks	0	3.2	28.6	2.2	0	2.4	4.7	0	0	0	0	100	0	0	1.9	5.5	3

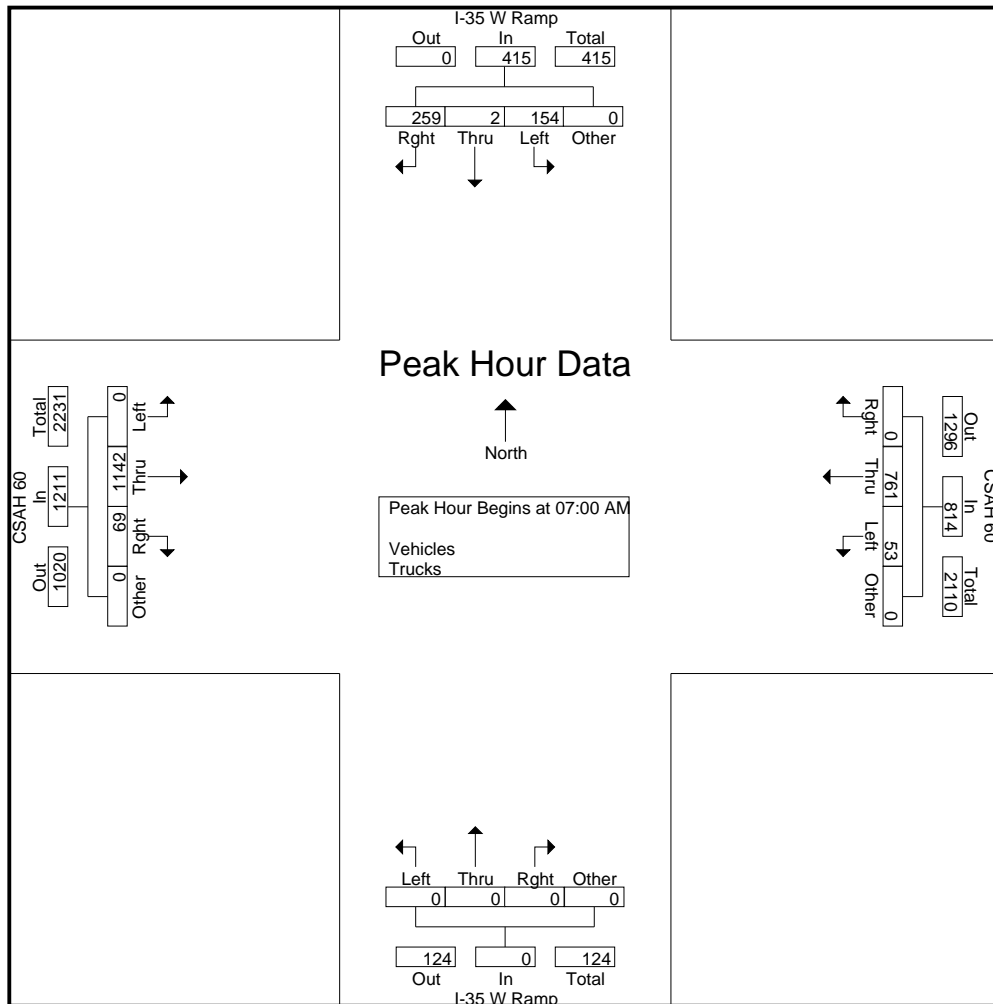
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Start Time	I-35 W Ramp From North					CSAH 60 From East					I-35 W Ramp From South					CSAH 60 From West					Int. Total
	Other	Left	Thru	Right	App. Total	Other	Left	Thru	Right	App. Total	Other	Left	Thru	Right	App. Total	Other	Left	Thru	Right	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	36	0	58	94	0	9	167	0	176	0	0	0	0	0	0	0	271	14	285	555
07:15 AM	0	43	0	56	99	0	14	213	0	227	0	0	0	0	0	0	0	292	23	315	641
07:30 AM	0	32	0	70	102	0	19	196	0	215	0	0	0	0	0	0	0	297	18	315	632
07:45 AM	0	43	2	75	120	0	11	185	0	196	0	0	0	0	0	0	0	282	14	296	612
Total Volume	0	154	2	259	415	0	53	761	0	814	0	0	0	0	0	0	0	1142	69	1211	2440
% App. Total	0	37.1	0.5	62.4		0	6.5	93.5	0		0	0	0	0		0	0	94.3	5.7		
PHF	.000	.895	.250	.863	.865	.000	.697	.893	.000	.896	.000	.000	.000	.000	.000	.000	.000	.961	.750	.961	.952



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Start Time	I-35 W Ramp From North					CSAH 60 From East					I-35 W Ramp From South					CSAH 60 From West					Int. Total
	Other	Left	Thru	Rght	App. Total	Other	Left	Thru	Rght	App. Total	Other	Left	Thru	Rght	App. Total	Other	Left	Thru	Rght	App. Total	
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	128	0	244	372	0	25	192	0	217	0	0	0	0	0	0	0	218	30	248	837
04:15 PM	0	126	0	232	358	0	26	198	0	224	0	0	0	0	0	0	0	244	27	271	853
04:30 PM	0	99	0	189	288	0	26	188	0	214	0	0	0	0	0	0	0	238	24	262	764
04:45 PM	0	107	0	223	330	0	31	200	0	231	0	0	0	0	0	0	0	236	23	259	820
Total Volume	0	460	0	888	1348	0	108	778	0	886	0	0	0	0	0	0	0	936	104	1040	3274
% App. Total	0	34.1	0	65.9		0	12.2	87.8	0		0	0	0	0	0	0	0	90	10		
PHF	.000	.898	.000	.910	.906	.000	.871	.973	.000	.959	.000	.000	.000	.000	.000	.000	.000	.959	.867	.959	.960

