

Alliant Engineering, Inc

233 Park Ave Suite 300

Minneapolis, MN 55415

--TRAFFIC DATA --

CSAH-46 at Buck Hill Rd

Ref.Pt.: Not Available

data by : Alliant Inc.

TURN MOVEMENT COUNT

File Name : 361_CSAH 46 & Buck Hill Rd

Site Code : 361

Start Date : 10/25/2017

Page No : 1

Groups Printed- Vehicles - Trucks

Start Time	Buck Hill Rd From North				CSAH 46 From East				Buck Hill Rd From South				CSAH 46 From West				Int. Total
	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	
05:00 AM	0	4	2	1	0	0	16	1	0	1	0	1	0	0	12	2	40
05:15 AM	0	6	0	2	0	3	18	2	0	1	0	2	0	1	27	0	62
05:30 AM	0	5	1	0	0	3	22	0	0	0	0	2	0	0	32	1	66
05:45 AM	0	7	1	0	0	3	31	4	0	2	1	5	0	0	35	1	90
Total	0	22	4	3	0	9	87	7	0	4	1	10	0	1	106	4	258
06:00 AM	0	11	2	0	0	13	33	2	0	2	0	4	0	0	36	0	103
06:15 AM	0	19	2	1	0	5	63	5	0	3	0	11	0	0	38	4	151
06:30 AM	0	12	2	1	0	13	66	2	0	4	0	11	0	0	82	5	198
06:45 AM	0	15	0	0	0	13	91	9	0	2	3	11	0	1	85	5	235
Total	0	57	6	2	0	44	253	18	0	11	3	37	0	1	241	14	687
07:00 AM	0	10	1	1	0	21	98	6	0	2	3	10	0	1	86	8	247
07:15 AM	0	16	2	1	0	16	106	6	0	3	2	15	0	0	92	9	268
07:30 AM	0	9	4	2	0	19	131	10	0	3	1	13	0	9	81	2	284
07:45 AM	0	13	4	1	1	22	152	12	0	4	7	13	0	5	98	4	336
Total	0	48	11	5	1	78	487	34	0	12	13	51	0	15	357	23	1135
08:00 AM	0	14	1	1	0	18	84	7	0	5	2	14	0	4	83	4	237
08:15 AM	2	7	2	0	0	21	103	11	0	5	1	14	0	1	51	4	222
08:30 AM	0	24	0	3	0	19	71	15	0	2	0	16	0	0	84	7	241
08:45 AM	1	13	3	2	1	22	73	15	0	2	0	18	0	3	59	3	215
Total	3	58	6	6	1	80	331	48	0	14	3	62	0	8	277	18	915
09:00 AM	0	14	5	4	0	21	62	8	0	6	4	8	0	4	48	5	189
09:15 AM	0	11	5	3	0	23	68	10	1	4	4	15	0	5	84	4	237
09:30 AM	0	11	1	2	0	21	30	14	0	3	2	7	0	4	61	4	160
09:45 AM	0	9	1	6	0	15	49	15	0	4	2	9	0	2	52	6	170
Total	0	45	12	15	0	80	209	47	1	17	12	39	0	15	245	19	756
10:00 AM	0	9	1	2	0	10	47	10	0	3	4	11	0	1	44	4	146
10:15 AM	0	10	2	2	0	17	46	15	0	4	4	11	0	1	40	4	156
10:30 AM	0	9	2	3	0	21	39	10	0	2	3	15	0	5	36	3	148
10:45 AM	0	11	1	3	0	16	40	16	0	0	2	10	0	3	34	3	139
Total	0	39	6	10	0	64	172	51	0	9	13	47	0	10	154	14	589
11:00 AM	0	11	5	1	0	26	30	12	0	0	1	13	0	2	48	2	151
11:15 AM	0	10	1	2	0	18	42	15	0	3	0	27	0	5	49	3	175
11:30 AM	0	15	5	4	0	22	52	10	0	5	2	25	0	4	55	3	202
11:45 AM	0	18	4	6	0	22	55	18	0	5	2	17	0	2	40	3	192
Total	0	54	15	13	0	88	179	55	0	13	5	82	0	13	192	11	720
12:00 PM	0	12	5	9	0	19	66	6	0	5	3	15	0	3	40	5	188
12:15 PM	0	16	4	4	0	26	41	13	0	6	9	21	0	1	44	6	191
12:30 PM	0	17	4	2	0	22	40	14	0	7	1	22	0	2	48	12	191
12:45 PM	0	18	4	3	0	22	51	12	0	6	6	31	0	1	44	9	207
Total	0	63	17	18	0	89	198	45	0	24	19	89	0	7	176	32	777
01:00 PM	0	13	9	5	0	21	64	10	0	3	6	22	0	3	48	2	206
01:15 PM	0	10	2	6	0	16	41	15	0	4	5	17	0	3	53	5	177
01:30 PM	0	12	2	2	0	14	41	10	0	3	5	15	0	4	50	4	162
01:45 PM	0	11	5	3	0	15	67	14	0	4	5	16	0	5	51	3	199
Total	0	46	18	16	0	66	213	49	0	14	21	70	0	15	202	14	744
02:00 PM	0	20	4	4	0	20	61	18	0	1	2	20	0	2	44	6	202
02:15 PM	0	28	4	6	0	14	58	21	0	2	3	16	0	1	52	3	208
02:30 PM	0	18	3	4	0	18	49	12	0	6	4	23	0	6	56	1	200
02:45 PM	0	15	2	5	0	16	51	12	0	1	5	19	0	3	84	0	213
Total	0	81	13	19	0	68	219	63	0	10	14	78	0	12	236	10	823

Alliant Engineering, Inc

233 Park Ave Suite 300

Minneapolis, MN 55415

--TRAFFIC DATA --

CSAH-46 at Buck Hill Rd

Ref.Pt.: Not Available

data by : Alliant Inc.

TURN MOVEMENT COUNT

File Name : 361_CSAH 46 & Buck Hill Rd

Site Code : 361

Start Date : 10/25/2017

Page No : 2

Groups Printed- Vehicles - Trucks

Start Time	Buck Hill Rd From North				CSAH 46 From East				Buck Hill Rd From South				CSAH 46 From West				Int. Total
	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	
03:00 PM	0	16	2	5	0	13	61	16	0	1	4	10	0	3	84	3	218
03:15 PM	0	11	6	6	0	19	91	19	0	3	1	15	0	6	95	4	276
03:30 PM	0	19	4	9	0	16	89	22	0	4	3	15	0	3	82	4	270
03:45 PM	0	25	4	9	0	19	122	15	0	6	2	18	0	8	94	7	329
Total	0	71	16	29	0	67	363	72	0	14	10	58	0	20	355	18	1093
04:00 PM	0	14	4	7	0	15	120	14	0	4	4	22	0	9	112	6	331
04:15 PM	1	18	4	7	0	17	98	20	0	8	3	14	0	3	149	6	348
04:30 PM	0	25	1	11	0	12	91	24	0	5	3	21	0	3	121	5	322
04:45 PM	0	24	10	12	0	30	86	14	0	5	5	11	0	5	141	5	348
Total	1	81	19	37	0	74	395	72	0	22	15	68	0	20	523	22	1349
05:00 PM	0	27	4	12	0	27	119	18	0	4	1	25	0	1	140	3	381
05:15 PM	0	22	3	2	0	27	93	17	0	4	5	14	2	2	142	4	337
05:30 PM	0	26	6	11	0	19	94	16	0	4	6	22	1	4	151	7	367
05:45 PM	0	29	2	8	0	21	81	11	0	1	5	14	0	4	127	5	308
Total	0	104	15	33	0	94	387	62	0	13	17	75	3	11	560	19	1393
06:00 PM	0	19	6	10	0	26	102	22	0	2	5	23	0	2	93	7	317
06:15 PM	0	18	7	4	0	23	83	16	0	3	4	18	1	4	90	3	274
06:30 PM	0	22	3	9	0	31	84	24	0	3	0	24	1	1	79	4	285
06:45 PM	0	7	5	6	0	34	103	20	0	1	3	28	0	3	66	7	283
Total	0	66	21	29	0	114	372	82	0	9	12	93	2	10	328	21	1159
07:00 PM	0	27	1	6	0	17	77	23	0	6	2	22	0	1	46	4	232
07:15 PM	0	8	5	7	0	14	59	25	0	4	3	20	0	2	52	5	204
07:30 PM	0	23	8	9	0	12	61	20	0	1	3	17	0	0	59	4	217
07:45 PM	0	14	4	4	0	15	75	8	0	2	3	14	0	0	35	3	177
Total	0	72	18	26	0	58	272	76	0	13	11	73	0	3	192	16	830
08:00 PM	0	13	2	3	0	11	32	7	0	3	2	24	0	1	29	2	129
08:15 PM	0	10	30	4	0	9	56	7	0	5	4	40	0	1	30	2	198
08:30 PM	0	14	1	0	0	11	55	10	0	5	5	26	0	3	21	0	151
08:45 PM	0	9	2	0	0	9	37	5	0	2	1	13	0	4	28	4	114
Total	0	46	35	7	0	40	180	29	0	15	12	103	0	9	108	8	592
09:00 PM	0	2	4	2	0	8	28	10	0	3	3	34	0	2	54	5	155
09:15 PM	0	6	0	4	0	5	46	6	0	4	0	9	0	1	31	5	117
09:30 PM	0	4	0	1	0	9	59	13	0	2	1	10	0	0	20	3	122
09:45 PM	0	4	4	1	0	7	15	9	0	3	4	12	0	0	11	2	72
Total	0	16	8	8	0	29	148	38	0	12	8	65	0	3	116	15	466
Grand Total	4	969	240	276	2	1142	4465	848	1	226	189	1100	5	173	4368	278	14286
Apprch %	0.3	65.1	16.1	18.5	0	17.7	69.1	13.1	0.1	14.9	12.5	72.6	0.1	3.6	90.5	5.8	
Total %	0	6.8	1.7	1.9	0	8	31.3	5.9	0	1.6	1.3	7.7	0	1.2	30.6	1.9	
Vehicles	1	936	237	270	2	1116	4372	824	1	222	187	1074	5	170	4295	271	13983
% Vehicles	25	96.6	98.8	97.8	100	97.7	97.9	97.2	100	98.2	98.9	97.6	100	98.3	98.3	97.5	97.9
Trucks	3	33	3	6	0	26	93	24	0	4	2	26	0	3	73	7	303
% Trucks	75	3.4	1.2	2.2	0	2.3	2.1	2.8	0	1.8	1.1	2.4	0	1.7	1.7	2.5	2.1

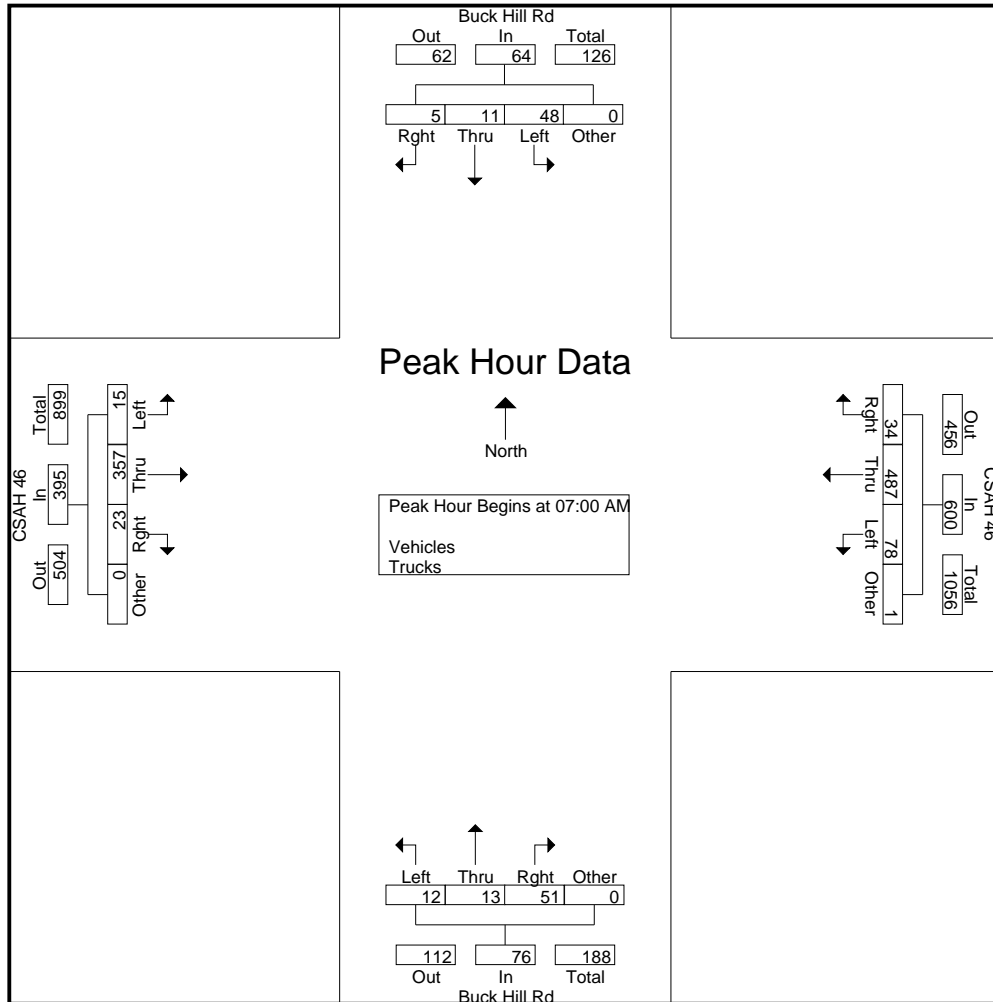
Alliant Engineering, Inc

233 Park Ave Suite 300
 Minneapolis, MN 55415
 --TRAFFIC DATA --

CSAH-46 at Buck Hill Rd
 Ref.Pt.: Not Available
 data by : Alliant Inc.
 TURN MOVEMENT COUNT

File Name : 361_CSAH 46 & Buck Hill Rd
 Site Code : 361
 Start Date : 10/25/2017
 Page No : 3

Start Time	Buck Hill Rd From North					CSAH 46 From East					Buck Hill Rd From South					CSAH 46 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 05:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	10	1	1	12	0	21	98	6	125	0	2	3	10	15	0	1	86	8	95	247
07:15 AM	0	16	2	1	19	0	16	106	6	128	0	3	2	15	20	0	0	92	9	101	268
07:30 AM	0	9	4	2	15	0	19	131	10	160	0	3	1	13	17	0	9	81	2	92	284
07:45 AM	0	13	4	1	18	1	22	152	12	187	0	4	7	13	24	0	5	98	4	107	336
Total Volume	0	48	11	5	64	1	78	487	34	600	0	12	13	51	76	0	15	357	23	395	1135
% App. Total	0	7.5	17.2	7.8		0.2	13	81.2	5.7		0	15.8	17.1	67.1		0	3.8	90.4	5.8		
PHF	.000	.750	.688	.625	.842	.250	.886	.801	.708	.802	.000	.750	.464	.850	.792	.000	.417	.911	.639	.923	.844



Alliant Engineering, Inc

233 Park Ave Suite 300
 Minneapolis, MN 55415
 --TRAFFIC DATA --

CSAH-46 at Buck Hill Rd
 Ref.Pt.: Not Available
 data by : Alliant Inc.
 TURN MOVEMENT COUNT

File Name : 361_CSAH 46 & Buck Hill Rd
 Site Code : 361
 Start Date : 10/25/2017
 Page No : 4

Start Time	Buck Hill Rd From North					CSAH 46 From East					Buck Hill Rd From South					CSAH 46 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 09:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	0	24	10	12	46	0	30	86	14	130	0	5	5	11	21	0	5	141	5	151	348
05:00 PM	0	27	4	12	43	0	27	119	18	164	0	4	1	25	30	0	1	140	3	144	381
05:15 PM	0	22	3	2	27	0	27	93	17	137	0	4	5	14	23	2	2	142	4	150	337
05:30 PM	0	26	6	11	43	0	19	94	16	129	0	4	6	22	32	1	4	151	7	163	367
Total Volume	0	99	23	37	159	0	103	392	65	560	0	17	17	72	106	3	12	574	19	608	1433
% App. Total	0	62.3	14.5	23.3		0	18.4	70	11.6		0	16	16	67.9		0.5	2	94.4	3.1		
PHF	.000	.917	.575	.771	.864	.000	.858	.824	.903	.854	.000	.850	.708	.720	.828	.375	.600	.950	.679	.933	.940

