

ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

CR 30 (Diffley Rd) & Blackhawk Rd
 City: Eagan
 data by: Alliant Engineering, Inc.
 TURN MOVEMENT COUNT

File Name : CR 30 (Diffley Rd) & Blackhawk Rd_2021
 Site Code : 1736349
 Start Date : 10/19/2021
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	Blackhawk Rd Southbound					CR 30 (Diffley Rd) Westbound					Blackhawk Rd Northbound					CR 30 (Diffley Rd) 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	
12:00 AM	0	0	0	0	0	2	8	2	0	12	0	0	3	0	3	1	6	1	0	8	23
12:15 AM	1	0	0	0	1	2	7	2	0	11	1	1	3	0	5	0	7	0	0	7	24
12:30 AM	4	2	1	2	9	1	10	1	0	12	0	0	2	0	2	0	5	0	0	5	28
12:45 AM	1	0	1	0	2	1	5	0	0	6	1	1	0	0	2	1	3	2	0	6	16
Total	6	2	2	2	12	6	30	5	0	41	2	2	8	0	12	2	21	3	0	26	91
01:00 AM	0	1	0	0	1	0	3	0	0	3	0	0	0	0	0	0	3	1	0	4	8
01:15 AM	0	1	0	0	1	2	7	2	0	11	1	2	1	0	4	0	0	1	0	1	17
01:30 AM	0	0	0	0	0	2	6	1	0	9	0	2	0	0	2	1	1	2	0	4	15
01:45 AM	1	1	0	0	2	2	5	0	0	7	0	1	1	0	2	1	4	0	0	5	16
Total	1	3	0	0	4	6	21	3	0	30	1	5	2	0	8	2	8	4	0	14	56
02:00 AM	0	0	1	0	1	1	2	0	0	3	0	2	1	0	3	0	2	0	0	2	9
02:15 AM	1	1	0	0	2	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	4
02:30 AM	0	1	0	0	1	2	2	0	0	4	0	2	1	0	3	0	2	0	0	2	10
02:45 AM	1	0	1	0	2	0	2	1	0	3	0	0	0	0	0	1	2	1	0	4	9
Total	2	2	2	0	6	3	7	1	0	11	0	4	2	0	6	1	7	1	0	9	32
03:00 AM	0	0	2	0	2	0	4	0	0	4	4	0	1	0	5	0	5	0	0	5	16
03:15 AM	2	0	0	0	2	0	4	0	0	4	0	0	1	0	1	0	2	0	0	2	9
03:30 AM	1	0	0	0	1	2	2	0	0	4	1	1	0	0	2	0	7	0	0	7	14
03:45 AM	4	0	0	0	4	0	5	0	0	5	0	1	1	0	2	0	7	0	0	7	18
Total	7	0	2	0	9	2	15	0	0	17	5	2	3	0	10	0	21	0	0	21	57
04:00 AM	2	0	0	0	2	1	4	1	0	6	2	1	1	0	4	0	11	0	0	11	23
04:15 AM	4	1	2	0	7	1	10	0	0	11	1	1	1	0	3	0	5	0	0	5	26
04:30 AM	4	2	0	0	6	0	15	0	0	15	0	1	0	0	1	0	10	0	0	10	32
04:45 AM	4	1	0	0	5	2	11	1	0	14	3	3	3	0	9	0	12	1	0	13	41
Total	14	4	2	0	20	4	40	2	0	46	6	6	5	0	17	0	38	1	0	39	122
05:00 AM	2	2	3	0	7	6	23	1	0	30	3	0	4	0	7	0	15	3	0	18	62
05:15 AM	11	2	1	0	14	2	22	0	0	24	5	3	5	0	13	2	20	0	0	22	73
05:30 AM	11	2	7	0	20	4	49	2	0	55	5	2	6	0	13	1	40	3	0	44	132
05:45 AM	10	5	5	2	22	4	37	0	0	41	5	4	10	0	19	0	34	2	1	37	119
Total	34	11	16	2	63	16	131	3	0	150	18	9	25	0	52	3	109	8	1	121	386
06:00 AM	17	1	6	0	24	4	45	1	0	50	3	7	5	0	15	3	34	0	0	37	126
06:15 AM	17	6	6	0	29	2	51	3	0	56	6	1	8	0	15	3	48	0	0	51	151
06:30 AM	23	7	6	0	36	7	72	4	0	83	12	5	19	0	36	1	84	7	0	92	247
06:45 AM	23	8	8	0	39	6	99	7	0	112	7	14	15	0	36	5	110	1	0	116	303
Total	80	22	26	0	128	19	267	15	0	301	28	27	47	0	102	12	276	8	0	296	827
07:00 AM	27	10	10	0	47	5	101	8	0	114	15	13	19	0	47	3	105	4	0	112	320
07:15 AM	32	14	14	0	60	4	128	11	2	145	17	9	16	0	42	13	105	3	0	121	368
07:30 AM	32	14	21	0	67	25	154	12	0	191	23	22	12	0	57	20	118	4	0	142	457
07:45 AM	38	9	33	0	80	15	136	15	2	168	16	19	15	0	50	8	127	2	0	137	435
Total	129	47	78	0	254	49	519	46	4	618	71	63	62	0	196	44	455	13	0	512	1580
08:00 AM	33	14	15	0	62	16	147	14	0	177	7	16	19	0	42	11	124	4	0	139	420
08:15 AM	22	14	16	2	54	22	135	12	1	170	10	10	12	0	32	5	93	4	1	103	359
08:30 AM	22	10	10	0	42	11	95	7	0	113	5	12	16	0	33	6	83	4	0	93	281
08:45 AM	22	6	23	1	52	10	89	8	0	107	2	10	21	0	33	7	106	4	0	117	309
Total	99	44	64	3	210	59	466	41	1	567	24	48	68	0	140	29	406	16	1	452	1369
09:00 AM	21	6	8	1	36	17	92	11	0	120	11	8	19	0	38	6	102	3	0	111	305

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CR 30 (Diffley Rd) & Blackhawk Rd
 City: Eagan
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 TURN MOVEMENT COUNT

File Name : CR 30 (Diffley Rd) & Blackhawk Rd_2021
 Site Code : 1736349
 Start Date : 10/19/2021
 Page No : 2

Groups Printed- Cars - Trucks

Start Time	Blackhawk Rd Southbound					CR 30 (Diffley Rd) Westbound					Blackhawk Rd Northbound					CR 30 (Diffley Rd) 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	
09:15 AM	23	15	11	2	51	18	129	18	0	165	7	13	22	0	42	8	101	8	0	117	375
09:30 AM	24	9	8	3	44	16	83	4	5	108	9	6	13	0	28	9	72	7	1	89	269
09:45 AM	16	24	10	0	50	14	77	6	0	97	10	9	20	0	39	4	76	4	1	85	271
Total	84	54	37	6	181	65	381	39	5	490	37	36	74	0	147	27	351	22	2	402	1220
10:00 AM	17	18	11	0	46	7	90	13	0	110	6	17	15	0	38	7	82	8	0	97	291
10:15 AM	20	12	9	0	41	12	91	15	0	118	4	10	15	0	29	3	85	4	0	92	280
10:30 AM	22	14	7	1	44	25	71	4	0	100	6	14	27	0	47	10	80	9	0	99	290
10:45 AM	17	17	8	0	42	17	77	17	0	111	12	14	18	0	44	8	67	11	0	86	283
Total	76	61	35	1	173	61	329	49	0	439	28	55	75	0	158	28	314	32	0	374	1144
11:00 AM	17	14	10	0	41	24	80	16	0	120	5	13	27	0	45	10	68	7	0	85	291
11:15 AM	9	14	12	0	35	25	97	12	1	135	9	17	24	0	50	4	78	7	0	89	309
11:30 AM	18	23	5	0	46	25	100	19	0	144	9	16	27	0	52	7	102	6	0	115	357
11:45 AM	22	25	11	0	58	12	94	11	0	117	9	22	27	0	58	8	111	16	0	135	368
Total	66	76	38	0	180	86	371	58	1	516	32	68	105	0	205	29	359	36	0	424	1325
12:00 PM	16	17	9	2	44	20	102	20	0	142	13	19	19	0	51	10	101	7	0	118	355
12:15 PM	25	13	11	0	49	26	92	13	0	131	14	23	27	0	64	9	97	7	1	114	358
12:30 PM	23	21	7	0	51	28	109	14	1	152	3	35	18	0	56	8	102	7	0	117	376
12:45 PM	19	15	10	2	46	26	106	16	3	151	17	20	22	0	59	5	97	3	1	106	362
Total	83	66	37	4	190	100	409	63	4	576	47	97	86	0	230	32	397	24	2	455	1451
01:00 PM	24	24	9	0	57	19	84	22	2	127	5	29	29	0	63	9	84	11	0	104	351
01:15 PM	8	16	11	0	35	26	103	14	0	143	7	26	25	0	58	21	96	10	0	127	363
01:30 PM	15	20	7	0	42	24	100	11	3	138	12	21	31	0	64	15	95	4	0	114	358
01:45 PM	25	15	11	1	52	17	87	12	1	117	13	23	28	0	64	6	112	9	1	128	361
Total	72	75	38	1	186	86	374	59	6	525	37	99	113	0	249	51	387	34	1	473	1433
02:00 PM	22	30	13	1	66	20	82	18	2	122	2	18	19	0	39	6	114	4	0	124	351
02:15 PM	16	23	13	0	52	17	80	13	2	112	11	20	18	0	49	4	112	15	0	131	344
02:30 PM	30	28	10	0	68	29	100	23	2	154	11	18	30	0	59	6	130	11	0	147	428
02:45 PM	30	22	14	0	66	38	107	21	3	169	16	30	31	0	77	16	159	4	1	180	492
Total	98	103	50	1	252	104	369	75	9	557	40	86	98	0	224	32	515	34	1	582	1615
03:00 PM	21	22	12	1	56	25	98	17	2	142	7	21	25	0	53	17	122	15	2	156	407
03:15 PM	24	18	26	0	68	28	165	27	0	220	14	18	27	0	59	10	157	6	0	173	520
03:30 PM	22	25	17	2	66	31	151	22	0	204	8	28	30	0	66	12	157	8	0	177	513
03:45 PM	33	20	20	4	77	38	175	25	0	238	12	28	21	0	61	17	148	6	2	173	549
Total	100	85	75	7	267	122	589	91	2	804	41	95	103	0	239	56	584	35	4	679	1989
04:00 PM	34	28	11	0	73	38	139	25	1	203	6	18	37	0	61	21	151	6	2	180	517
04:15 PM	21	27	25	0	73	47	159	30	3	239	13	26	24	0	63	14	141	8	0	163	538
04:30 PM	39	27	22	0	88	38	163	41	2	244	15	31	42	0	88	21	184	7	1	213	633
04:45 PM	38	32	17	1	88	36	147	34	0	217	9	35	28	0	72	18	178	13	1	210	587
Total	132	114	75	1	322	159	608	130	6	903	43	110	131	0	284	74	654	34	4	766	2275
05:00 PM	37	34	34	0	105	44	158	31	0	233	4	39	29	0	72	24	163	8	0	195	605
05:15 PM	27	24	23	2	76	33	148	15	4	200	12	25	49	1	87	29	176	14	3	222	585
05:30 PM	33	30	13	1	77	34	130	16	0	180	8	31	30	0	69	13	161	18	2	194	520
05:45 PM	24	30	28	1	83	29	151	32	2	214	17	26	29	0	72	13	168	13	2	196	565
Total	121	118	98	4	341	140	587	94	6	827	41	121	137	1	300	79	668	53	7	807	2275
06:00 PM	31	22	12	2	67	19	132	39	5	195	9	29	31	0	69	12	162	11	3	188	519
06:15 PM	34	25	11	1	71	33	111	17	1	162	13	26	24	0	63	11	142	11	1	165	461
06:30 PM	20	24	7	1	52	24	109	32	0	165	10	30	20	0	60	7	101	10	1	119	396
06:45 PM	15	21	14	2	52	26	87	22	0	135	8	24	22	0	54	8	102	11	0	121	362
Total	100	92	44	6	242	102	439	110	6	657	40	109	97	0	246	38	507	43	5	593	1738

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 TURN MOVEMENT COUNT

File Name : CR 30 (Diffley Rd) & Blackhawk Rd_2021
 Site Code : 1736349
 Start Date : 10/19/2021
 Page No : 3

Groups Printed- Cars - Trucks

Start Time	Blackhawk Rd Southbound					CR 30 (Diffley Rd) Westbound					Blackhawk Rd Northbound					CR 30 (Diffley Rd) 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	
07:00 PM	31	17	10	0	58	30	86	23	0	139	8	24	18	0	50	7	101	6	0	114	361
07:15 PM	12	7	9	0	28	26	83	21	0	130	14	29	18	0	61	14	100	8	0	122	341
07:30 PM	17	11	5	0	33	21	61	15	0	97	4	16	17	0	37	9	74	12	0	95	262
07:45 PM	18	12	11	1	42	23	70	13	0	106	7	12	17	0	36	3	66	5	0	74	258
Total	78	47	35	1	161	100	300	72	0	472	33	81	70	0	184	33	341	31	0	405	1222
08:00 PM	9	13	8	0	30	15	59	17	0	91	7	16	15	0	38	11	61	12	0	84	243
08:15 PM	12	11	8	0	31	12	90	17	0	119	3	11	10	0	24	10	40	10	0	60	234
08:30 PM	11	8	3	0	22	8	47	3	0	58	5	8	9	0	22	7	64	12	0	83	185
08:45 PM	9	6	5	0	20	5	46	12	0	63	5	7	6	0	18	6	46	6	0	58	159
Total	41	38	24	0	103	40	242	49	0	331	20	42	40	0	102	34	211	40	0	285	821
09:00 PM	5	4	4	3	16	7	43	14	1	65	10	9	11	0	30	2	56	2	0	60	171
09:15 PM	8	5	2	0	15	16	47	7	0	70	2	10	8	0	20	4	61	8	0	73	178
09:30 PM	4	11	3	0	18	8	49	10	0	67	2	7	9	0	18	2	38	3	0	43	146
09:45 PM	2	5	2	0	9	9	45	9	0	63	2	10	5	0	17	5	45	2	0	52	141
Total	19	25	11	3	58	40	184	40	1	265	16	36	33	0	85	13	200	15	0	228	636
10:00 PM	4	1	2	0	7	14	33	8	0	55	3	11	6	0	20	1	27	7	0	35	117
10:15 PM	4	6	1	0	11	4	19	5	0	28	3	5	3	0	11	7	29	4	0	40	90
10:30 PM	2	4	2	0	8	6	36	6	0	48	3	2	5	0	10	1	19	3	0	23	89
10:45 PM	2	0	2	0	4	6	32	5	0	43	3	9	4	0	16	2	18	2	0	22	85
Total	12	11	7	0	30	30	120	24	0	174	12	27	18	0	57	11	93	16	0	120	381
11:00 PM	1	0	0	0	1	4	20	2	0	26	0	1	2	0	3	2	8	4	0	14	44
11:15 PM	1	1	0	0	2	5	17	1	0	23	1	1	5	0	7	1	12	3	0	16	48
11:30 PM	2	0	0	0	2	1	13	4	0	18	0	1	2	0	3	1	15	0	0	16	39
11:45 PM	3	0	1	0	4	4	12	1	0	17	0	3	0	0	3	1	6	2	0	9	33
Total	7	1	1	0	9	14	62	8	0	84	1	6	9	0	16	5	41	9	0	55	164
Grand Total	1461	1101	797	42	3401	1413	6860	1077	51	9401	623	1234	1411	1	3269	635	6963	512	28	8138	24209
Apprch %	43	32.4	23.4	1.2		15	73	11.5	0.5		19.1	37.7	43.2	0		7.8	85.6	6.3	0.3		
Total %	6	4.5	3.3	0.2	14	5.8	28.3	4.4	0.2	38.8	2.6	5.1	5.8	0	13.5	2.6	28.8	2.1	0.1	33.6	
Cars	1420	1068	752	36	3276	1377	6722	1051	17	9167	607	1193	1376	1	3177	612	6800	500	18	7930	23550
% Cars	97.2	97	94.4	85.7	96.3	97.5	98	97.6	33.3	97.5	97.4	96.7	97.5	100	97.2	96.4	97.7	97.7	64.3	97.4	97.3
Trucks	41	33	45	6	125	36	138	26	34	234	16	41	35	0	92	23	163	12	10	208	659
% Trucks	2.8	3	5.6	14.3	3.7	2.5	2	2.4	66.7	2.5	2.6	3.3	2.5	0	2.8	3.6	2.3	2.3	35.7	2.6	2.7

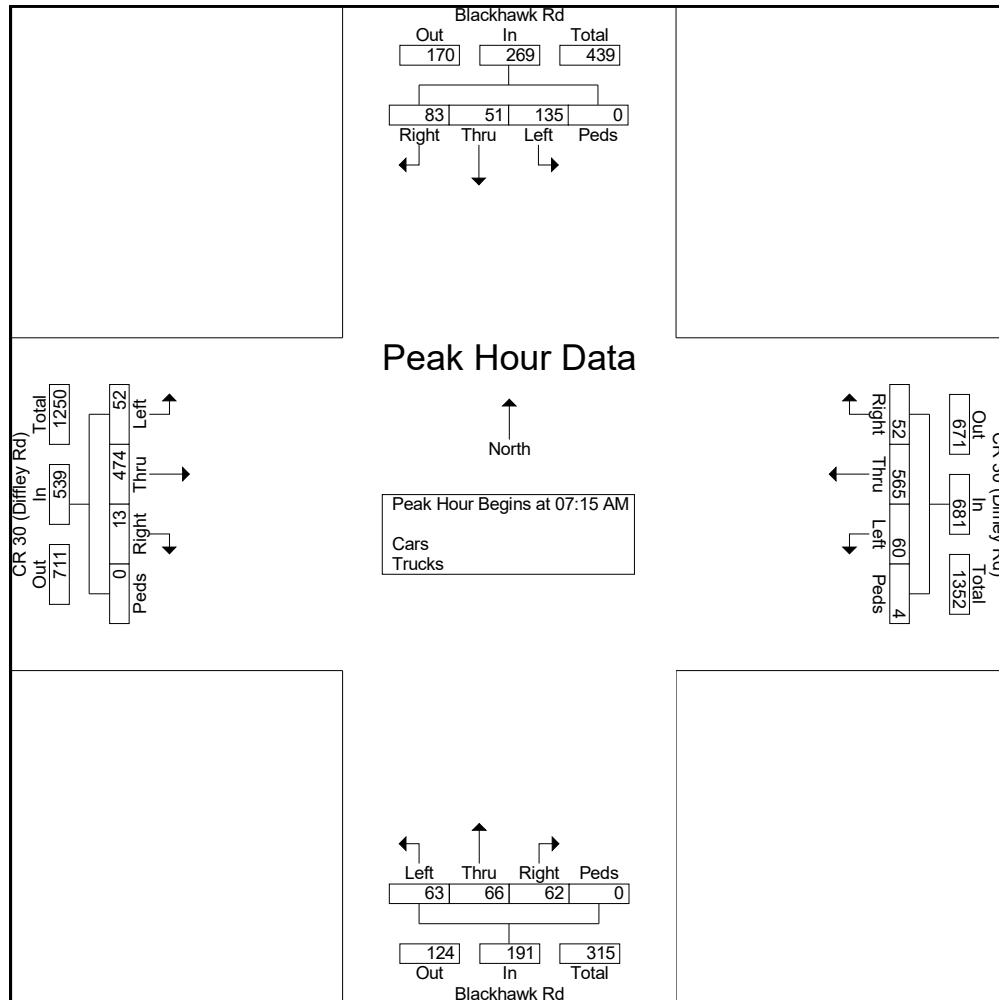
ALLIANT ENGINEERING, INC.

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 City: Eagan
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File Name : CR 30 (Diffley Rd) & Blackhawk Rd_2021
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 Start Date : 10/19/2021
 Page No : 4

Start Time	Blackhawk Rd Southbound					CR 30 (Diffley Rd) Westbound					Blackhawk Rd Northbound					CR 30 (Diffley Rd) 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 12:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	32	14	14	0	60	4	128	11	2	145	17	9	16	0	42	13	105	3	0	121	368
07:30 AM	32	14	21	0	67	25	154	12	0	191	23	22	12	0	57	20	118	4	0	142	457
07:45 AM	38	9	33	0	80	15	136	15	2	168	16	19	15	0	50	8	127	2	0	137	435
08:00 AM	33	14	15	0	62	16	147	14	0	177	7	16	19	0	42	11	124	4	0	139	420
Total Volume	135	51	83	0	269	60	565	52	4	681	63	66	62	0	191	52	474	13	0	539	1680
% App. Total	50.2	19	30.9	0		8.8	83	7.6	0.6		33	34.6	32.5	0		9.6	87.9	2.4	0		
PHF	.888	.911	.629	.000	.841	.600	.917	.867	.500	.891	.685	.750	.816	.000	.838	.650	.933	.813	.000	.949	.919



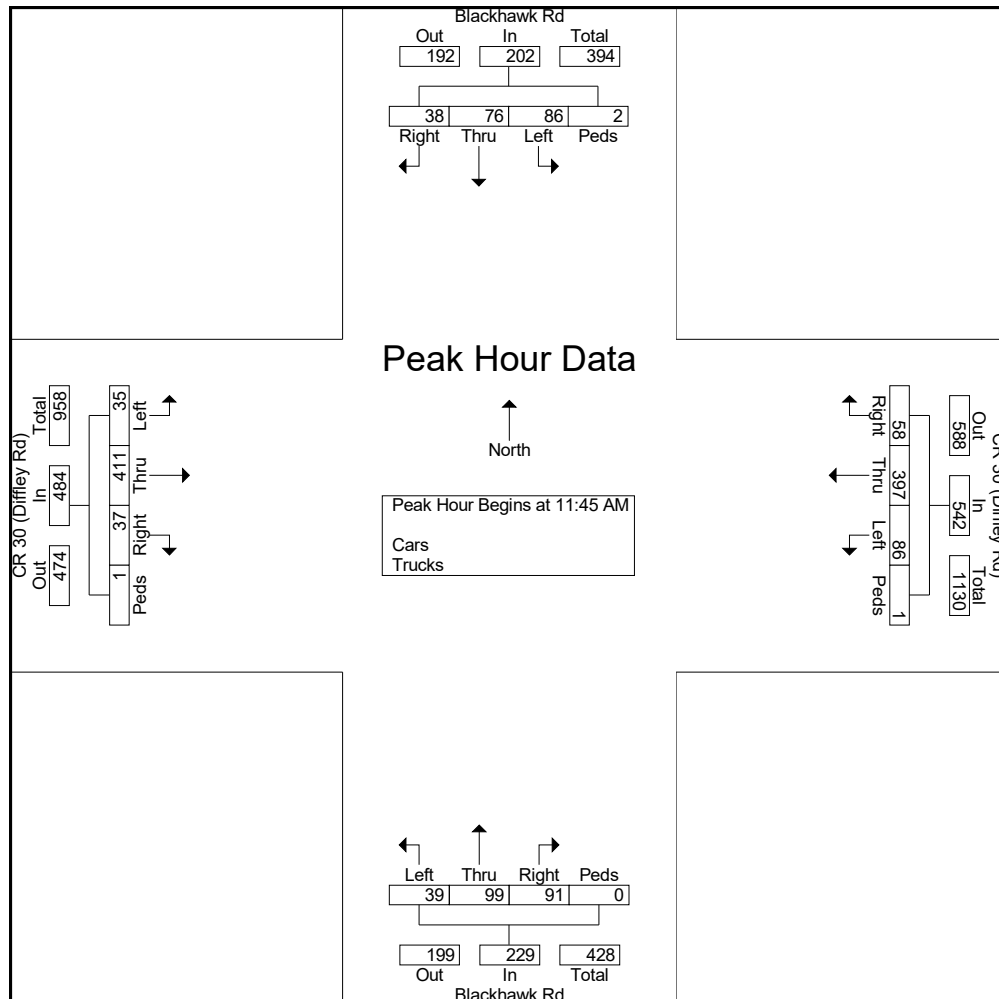
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Start Time	Blackhawk Rd Southbound					CR 30 (Diffley Rd) Westbound					Blackhawk Rd Northbound					CR 30 (Diffley Rd) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	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 11:45 AM																					
11:45 AM	22	25	11	0	58	12	94	11	0	117	9	22	27	0	58	8	111	16	0	135	368
12:00 PM	16	17	9	2	44	20	102	20	0	142	13	19	19	0	51	10	101	7	0	118	355
12:15 PM	25	13	11	0	49	26	92	13	0	131	14	23	27	0	64	9	97	7	1	114	358
12:30 PM	23	21	7	0	51	28	109	14	1	152	3	35	18	0	56	8	102	7	0	117	376
Total Volume	86	76	38	2	202	86	397	58	1	542	39	99	91	0	229	35	411	37	1	484	1457
% App. Total	42.6	37.6	18.8	1		15.9	73.2	10.7	0.2		17	43.2	39.7	0		7.2	84.9	7.6	0.2		
PHF	.860	.760	.864	.250	.871	.768	.911	.725	.250	.891	.696	.707	.843	.000	.895	.875	.926	.578	.250	.896	.969



ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

CR 30 (Diffley Rd) & Blackhawk Rd
 City: Eagan
 data by: Alliant Engineering, Inc.
 TURN MOVEMENT COUNT

File Name : CR 30 (Diffley Rd) & Blackhawk Rd_2021
 Site Code : 1736349
 Start Date : 10/19/2021
 Page No : 6

Start Time	Blackhawk Rd Southbound					CR 30 (Diffley Rd) Westbound					Blackhawk Rd Northbound					CR 30 (Diffley Rd) 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 11:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	39	27	22	0	88	38	163	41	2	244	15	31	42	0	88	21	184	7	1	213	633
04:45 PM	38	32	17	1	88	36	147	34	0	217	9	35	28	0	72	18	178	13	1	210	587
05:00 PM	37	34	34	0	105	44	158	31	0	233	4	39	29	0	72	24	163	8	0	195	605
05:15 PM	27	24	23	2	76	33	148	15	4	200	12	25	49	1	87	29	176	14	3	222	585
Total Volume	141	117	96	3	357	151	616	121	6	894	40	130	148	1	319	92	701	42	5	840	2410
% App. Total	39.5	32.8	26.9	0.8		16.9	68.9	13.5	0.7		12.5	40.8	46.4	0.3		11	83.5	5	0.6		
PHF	.904	.860	.706	.375	.850	.858	.945	.738	.375	.916	.667	.833	.755	.250	.906	.793	.952	.750	.417	.946	.952

