

ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

CR30 (Diffley Rd) & Johnny Cake Ridge Rd File Name : CR 30 (Diffley Rd) & Johnny Cake Ridge Rd_2021
 City: Eagan Site Code : 1736350
 data by: Spack Solutions Start Date : 11/3/2021
 TURN MOVEMENT COUNT Page No : 1

Groups Printed- Cars - Trucks

Start Time	Johnny Cake Ridge Rd Southbound					CR 30 (Diffley Rd) Westbound					Johnny Cake Ridge 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	
06:00 AM	0	2	4	0	6	0	35	1	0	36	17	1	0	0	18	2	30	4	0	36	96
06:15 AM	1	1	12	0	14	2	50	1	0	53	23	1	4	1	29	2	27	5	0	34	130
06:30 AM	0	2	8	0	10	4	76	1	0	81	30	2	1	0	33	6	48	6	0	60	184
06:45 AM	5	4	12	0	21	7	80	2	0	89	18	1	4	0	23	8	75	10	0	93	226
Total	6	9	36	0	51	13	241	5	0	259	88	5	9	1	103	18	180	25	0	223	636
07:00 AM	5	4	7	0	16	9	94	2	0	105	32	11	4	0	47	27	81	12	0	120	288
07:15 AM	13	13	14	0	40	14	116	5	0	135	42	14	15	1	72	21	119	12	0	152	399
07:30 AM	3	12	42	0	57	13	153	11	0	177	56	16	12	0	84	32	89	22	0	143	461
07:45 AM	6	17	60	0	83	23	154	12	0	189	43	19	13	0	75	42	106	19	0	167	514
Total	27	46	123	0	196	59	517	30	0	606	173	60	44	1	278	122	395	65	0	582	1662
08:00 AM	8	26	49	0	83	19	129	15	0	163	37	39	5	0	81	62	63	24	0	149	476
08:15 AM	8	27	47	0	82	24	89	5	0	118	39	9	11	0	59	9	60	16	0	85	344
08:30 AM	3	4	19	0	26	14	91	2	0	107	49	7	8	0	64	11	60	16	1	88	285
08:45 AM	7	13	13	0	33	13	86	2	1	102	33	5	7	2	47	9	66	31	0	106	288
Total	26	70	128	0	224	70	395	24	1	490	158	60	31	2	251	91	249	87	1	428	1393
09:00 AM	1	11	8	1	21	17	88	0	0	105	36	5	20	0	61	11	87	22	0	120	307
09:15 AM	1	2	14	0	17	27	130	4	0	161	44	8	16	0	68	6	91	33	0	130	376
09:30 AM	2	3	12	0	17	17	101	2	1	121	39	7	4	0	50	9	54	24	0	87	275
09:45 AM	1	3	15	0	19	19	80	3	0	102	21	4	6	1	32	9	68	27	2	106	259
Total	5	19	49	1	74	80	399	9	1	489	140	24	46	1	211	35	300	106	2	443	1217
10:00 AM	0	9	14	0	23	18	65	0	0	83	31	5	7	0	43	4	54	17	1	76	225
10:15 AM	3	5	9	0	17	11	72	3	0	86	27	4	3	0	34	3	64	16	0	83	220
10:30 AM	0	5	8	0	13	16	79	2	0	97	31	4	5	1	41	7	57	13	1	78	229
10:45 AM	1	6	15	0	22	9	81	1	0	91	45	9	4	0	58	12	66	21	0	99	270
Total	4	25	46	0	75	54	297	6	0	357	134	22	19	1	176	26	241	67	2	336	944
11:00 AM	3	4	10	0	17	23	63	1	2	89	33	7	5	0	45	5	98	24	0	127	278
11:15 AM	3	11	8	0	22	20	64	3	1	88	35	11	9	0	55	10	70	14	0	94	259
11:30 AM	1	7	10	0	18	18	61	5	0	84	28	4	13	0	45	9	91	20	0	120	267
11:45 AM	0	5	18	0	23	19	75	5	0	99	41	2	7	0	50	12	83	22	0	117	289
Total	7	27	46	0	80	80	263	14	3	360	137	24	34	0	195	36	342	80	0	458	1093
12:00 PM	1	6	11	0	18	15	68	2	0	85	45	8	11	0	64	3	87	17	0	107	274
12:15 PM	0	7	4	0	11	18	72	4	0	94	27	3	7	0	37	7	74	22	0	103	245
12:30 PM	1	7	11	0	19	24	91	2	0	117	35	2	11	0	48	8	97	30	0	135	319
12:45 PM	3	3	9	0	15	16	69	3	0	88	30	6	14	0	50	5	87	25	0	117	270
Total	5	23	35	0	63	73	300	11	0	384	137	19	43	0	199	23	345	94	0	462	1108
01:00 PM	0	6	12	0	18	12	73	7	0	92	33	6	10	0	49	12	80	23	0	115	274
01:15 PM	2	4	13	0	19	22	70	2	1	95	24	7	8	0	39	6	75	22	0	103	256
01:30 PM	2	6	13	0	21	14	54	5	0	73	45	7	12	0	64	19	90	22	0	131	289
01:45 PM	0	7	10	0	17	29	77	3	0	109	41	11	7	0	59	19	97	34	1	151	336
Total	4	23	48	0	75	77	274	17	1	369	143	31	37	0	211	56	342	101	1	500	1155
02:00 PM	8	19	22	0	49	21	68	2	0	91	36	10	9	0	55	22	77	22	0	121	316
02:15 PM	5	9	13	1	28	17	66	6	0	89	38	3	8	0	49	19	106	29	2	156	322
02:30 PM	3	13	13	0	29	18	109	4	1	132	29	10	8	1	48	23	116	25	0	164	373
02:45 PM	4	8	12	0	24	30	117	8	0	155	33	19	13	0	65	45	143	22	1	211	455
Total	20	49	60	1	130	86	360	20	1	467	136	42	38	1	217	109	442	98	3	652	1466
03:00 PM	11	15	24	0	50	21	94	11	1	127	32	16	11	0	59	32	129	37	0	198	434

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 City: Eagan Site Code : 1736350
 data by: Spack Solutions Start Date : 11/3/2021
 TURN MOVEMENT COUNT Page No : 2

Groups Printed- Cars - Trucks

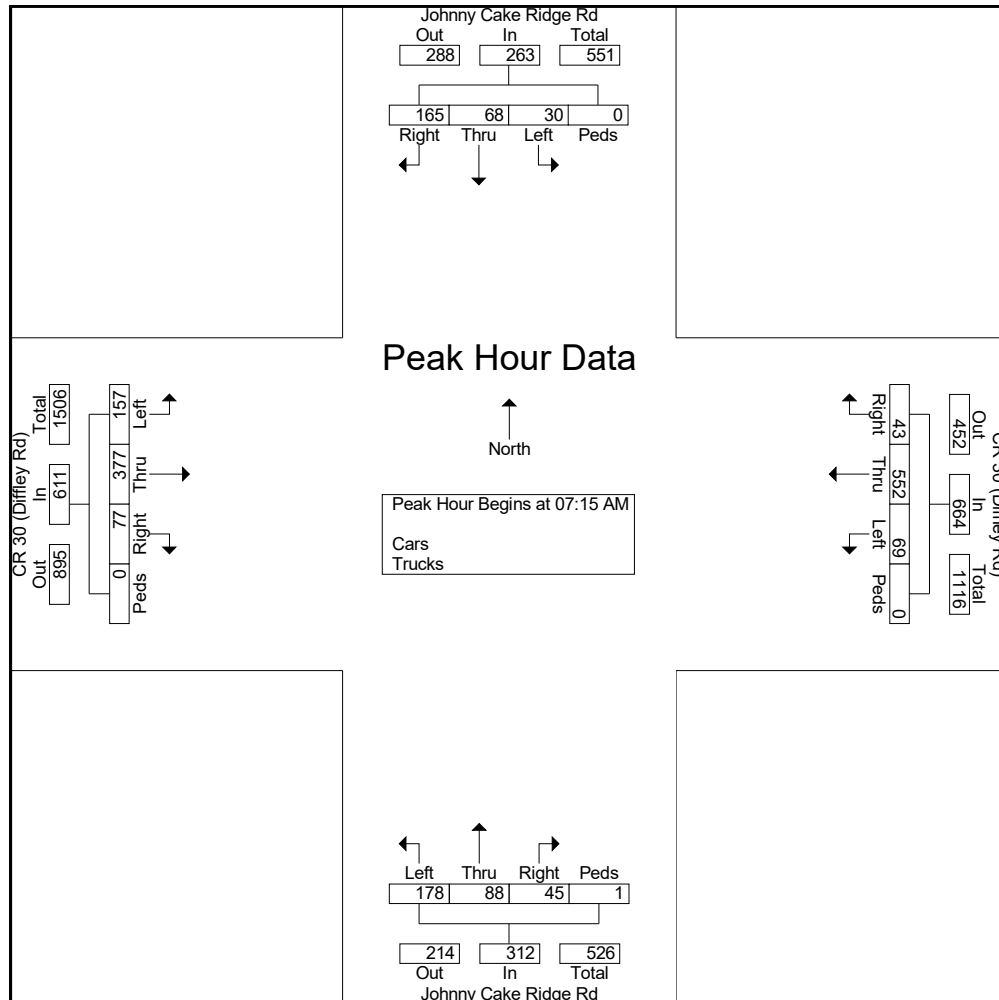
Start Time	Johnny Cake Ridge Rd Southbound					CR 30 (Diffley Rd) Westbound					Johnny Cake Ridge Rd Northbound					CR 30 (Diffley Rd) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
03:15 PM	11	37	65	0	113	22	113	5	0	140	41	8	16	0	65	31	115	55	0	201	519
03:30 PM	9	9	25	0	43	15	105	6	0	126	32	8	18	0	58	22	159	42	1	224	451
03:45 PM	6	11	13	0	30	32	123	10	0	165	71	11	14	0	96	28	131	43	0	202	493
Total	37	72	127	0	236	90	435	32	1	558	176	43	59	0	278	113	534	177	1	825	1897
04:00 PM	3	5	22	0	30	38	140	7	0	185	45	14	14	0	73	20	128	44	2	194	482
04:15 PM	7	17	11	0	35	36	122	5	0	163	45	8	11	0	64	21	142	44	2	209	471
04:30 PM	3	13	18	0	34	26	106	3	1	136	43	9	18	1	71	33	155	61	0	249	490
04:45 PM	6	22	18	0	46	31	89	6	2	128	47	16	17	1	81	23	186	67	0	276	531
Total	19	57	69	0	145	131	457	21	3	612	180	47	60	2	289	97	611	216	4	928	1974
05:00 PM	4	16	24	0	44	26	98	7	1	132	63	17	24	1	105	27	136	47	0	210	491
05:15 PM	3	16	20	0	39	38	118	6	2	164	39	14	12	0	65	35	148	41	0	224	492
05:30 PM	4	23	18	1	46	24	111	8	2	145	41	7	24	1	73	24	182	52	0	258	522
05:45 PM	5	9	16	0	30	28	108	9	1	146	43	14	13	0	70	21	148	44	0	213	459
Total	16	64	78	1	159	116	435	30	6	587	186	52	73	2	313	107	614	184	0	905	1964
06:00 PM	11	7	30	0	48	24	91	5	0	120	36	9	11	0	56	28	105	33	2	168	392
06:15 PM	10	15	10	0	35	20	98	2	1	121	29	8	17	1	55	16	137	29	0	182	393
06:30 PM	4	10	18	0	32	18	84	6	0	108	44	11	14	0	69	20	98	33	0	151	360
06:45 PM	4	14	7	0	25	15	77	3	0	95	45	8	12	0	65	15	102	25	0	142	327
Total	29	46	65	0	140	77	350	16	1	444	154	36	54	1	245	79	442	120	2	643	1472
Grand Total	205	530	910	3	1648	1006	4723	235	18	5982	1942	465	547	12	2966	912	5037	1420	16	7385	17981
Apprch %	12.4	32.2	55.2	0.2		16.8	79	3.9	0.3		65.5	15.7	18.4	0.4		12.3	68.2	19.2	0.2		
Total %	1.1	2.9	5.1	0	9.2	5.6	26.3	1.3	0.1	33.3	10.8	2.6	3	0.1	16.5	5.1	28	7.9	0.1	41.1	
Cars	197	519	892	2	1610	977	4658	230	13	5878	1908	450	523	11	2892	896	4974	1401	10	7281	17661
% Cars	96.1	97.9	98	66.7	97.7	97.1	98.6	97.9	72.2	98.3	98.2	96.8	95.6	91.7	97.5	98.2	98.7	98.7	62.5	98.6	98.2
Trucks	8	11	18	1	38	29	65	5	5	104	34	15	24	1	74	16	63	19	6	104	320
% Trucks	3.9	2.1	2	33.3	2.3	2.9	1.4	2.1	27.8	1.7	1.8	3.2	4.4	8.3	2.5	1.8	1.3	1.3	37.5	1.4	1.8

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 TURN MOVEMENT COUNT Page No : 3

Start Time	Johnny Cake Ridge Rd Southbound					CR 30 (Diffley Rd) Westbound					Johnny Cake Ridge 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 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	13	13	14	0	40	14	116	5	0	135	42	14	15	1	72	21	119	12	0	152	399
07:30 AM	3	12	42	0	57	13	153	11	0	177	56	16	12	0	84	32	89	22	0	143	461
07:45 AM	6	17	60	0	83	23	154	12	0	189	43	19	13	0	75	42	106	19	0	167	514
08:00 AM	8	26	49	0	83	19	129	15	0	163	37	39	5	0	81	62	63	24	0	149	476
Total Volume	30	68	165	0	263	69	552	43	0	664	178	88	45	1	312	157	377	77	0	611	1850
% App. Total	11.4	25.9	62.7	0		10.4	83.1	6.5	0		57.1	28.2	14.4	0.3		25.7	61.7	12.6	0		
PHF	.577	.654	.688	.000	.792	.750	.896	.717	.000	.878	.795	.564	.750	.250	.929	.633	.792	.802	.000	.915	.900

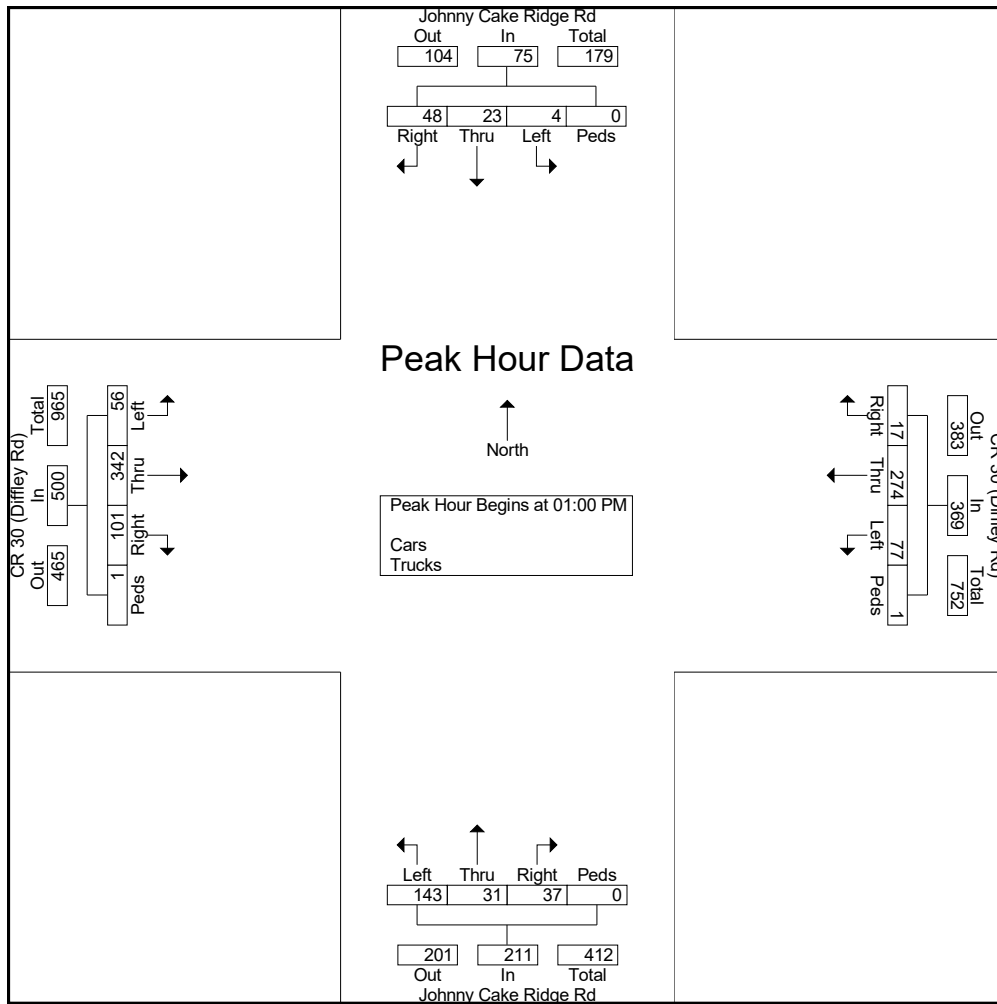


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 TURN MOVEMENT COUNT Page No : 4

Start Time	Johnny Cake Ridge Rd Southbound					CR 30 (Diffley Rd) Westbound					Johnny Cake Ridge 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 01:00 PM																					
01:00 PM	0	6	12	0	18	12	73	7	0	92	33	6	10	0	49	12	80	23	0	115	274
01:15 PM	2	4	13	0	19	22	70	2	1	95	24	7	8	0	39	6	75	22	0	103	256
01:30 PM	2	6	13	0	21	14	54	5	0	73	45	7	12	0	64	19	90	22	0	131	289
01:45 PM	0	7	10	0	17	29	77	3	0	109	41	11	7	0	59	19	97	34	1	151	336
Total Volume	4	23	48	0	75	77	274	17	1	369	143	31	37	0	211	56	342	101	1	500	1155
% App. Total	5.3	30.7	64	0		20.9	74.3	4.6	0.3		67.8	14.7	17.5	0		11.2	68.4	20.2	0.2		
PHF	.500	.821	.923	.000	.893	.664	.890	.607	.250	.846	.794	.705	.771	.000	.824	.737	.881	.743	.250	.828	.859



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 TURN MOVEMENT COUNT Page No : 5

Start Time	Johnny Cake Ridge Rd Southbound					CR 30 (Diffley Rd) Westbound					Johnny Cake Ridge 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 06:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	6	22	18	0	46	31	89	6	2	128	47	16	17	1	81	23	186	67	0	276	531
05:00 PM	4	16	24	0	44	26	98	7	1	132	63	17	24	1	105	27	136	47	0	210	491
05:15 PM	3	16	20	0	39	38	118	6	2	164	39	14	12	0	65	35	148	41	0	224	492
05:30 PM	4	23	18	1	46	24	111	8	2	145	41	7	24	1	73	24	182	52	0	258	522
Total Volume	17	77	80	1	175	119	416	27	7	569	190	54	77	3	324	109	652	207	0	968	2036
% App. Total	9.7	44	45.7	0.6		20.9	73.1	4.7	1.2		58.6	16.7	23.8	0.9		11.3	67.4	21.4	0		
PHF	.708	.837	.833	.250	.951	.783	.881	.844	.875	.867	.754	.794	.802	.750	.771	.779	.876	.772	.000	.877	.959

