

Ramsey County Public Works

Turning Movement Count

File Name: County Road E at 35E West Ramp 0500-2200

Site Code:

Location: County Road E at 35E West Ramp

Cars and Peds

Study Date: 05/24/2022

	35E West Ramp Southbound						County Road E Westbound						35E West Ramp Northbound						County Road E Eastbound						
Time	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Int Total
05:00		0	0	2	0	2		0	0	0	0	0		0	0	0	0	0		14	8	0	0	22	24
05:15		5	0	5	0	10		0	0	0	0	0		0	0	0	0	0		19	5	0	0	24	34
05:30		4	0	18	0	22		0	13	9	0	22		0	0	0	0	0		17	12	0	0	29	73
05:45		8	0	23	0	31		0	24	12	0	36		0	0	0	0	0		16	14	0	0	30	97
Total	0	17	0	48	0	65	0	0	37	21	0	58	0	0	0	0	0	0	0	66	39	0	0	105	228
06:00		11	1	25	0	37		0	31	23	0	54		0	0	0	0	0		19	13	0	0	32	123
06:15		8	0	37	0	45		0	29	20	0	49		0	0	0	0	0		38	17	0	0	55	149
06:30		21	0	47	0	68		0	50	27	0	77		0	0	0	0	0		39	32	0	0	71	216
06:45		19	1	59	0	79		0	64	24	1	89		0	0	0	0	0		39	25	0	0	64	232
Total	0	59	2	168	0	229	0	0	174	94	1	269	0	0	0	0	0	0	0	135	87	0	0	222	720
07:00		30	0	60	0	90		0	63	32	0	95		0	0	0	0	0		54	47	0	0	101	286
07:15		21	1	85	0	107		0	111	33	0	144		0	0	0	0	0		62	50	0	0	112	363
07:30		29	0	92	0	121		0	109	41	0	150		0	0	0	0	0		78	80	0	0	158	429
07:45		42	0	116	0	158		0	100	47	0	147		0	0	0	0	0		59	77	0	0	136	441
Total	0	122	1	353	0	476	0	0	383	153	0	536	0	0	0	0	0	0	0	253	254	0	0	507	1519
08:00		28	0	62	0	90		0	100	24	0	124		0	0	0	0	0		53	71	0	0	124	338
08:15		27	0	63	0	90		0	101	41	1	143		0	0	0	0	0		56	68	0	0	124	357
08:30		22	0	63	0	85		0	100	47	0	147		0	0	0	0	0		60	78	0	0	138	370
08:45		36	0	58	0	94		0	129	30	0	159		0	0	0	0	0		63	81	0	0	144	397
Total	0	113	0	246	0	359	0	0	430	142	1	573	0	0	0	0	0	0	0	232	298	0	0	530	1462
09:00		22	0	42	0	64		0	99	35	1	135		0	0	0	0	0		52	77	0	0	129	328
09:15		35	0	47	0	82		0	133	27	0	160		0	0	0	0	0		67	64	0	0	131	373
09:30		29	0	30	0	59		0	120	32	0	152		0	0	0	0	0		80	70	0	0	150	361
09:45		36	1	22	0	59		0	113	35	0	148		0	0	0	0	0		75	79	0	0	154	361
Total	0	122	1	141	0	264	0	0	465	129	1	595	0	0	0	0	0	0	0	274	290	0	0	564	1423

Time	35E West Ramp Southbound						County Road E Westbound						35E West Ramp Northbound						County Road E Eastbound						Int Total
	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	
10:00		36	0	44	0	80		0	140	33	0	173		0	0	0	0	0		81	88	0	0	169	422
10:15		30	0	35	0	65		0	150	39	0	189		0	0	0	0	0		79	102	0	0	181	435
10:30		33	0	36	0	69		0	137	51	0	188		0	0	0	0	0		76	86	0	0	162	419
10:45		41	0	28	0	69		0	154	35	0	189		0	0	0	0	0		84	92	0	0	176	434
Total	0	140	0	143	0	283	0	0	581	158	0	739	0	0	0	0	0	0	0	320	368	0	0	688	1710
11:00		29	0	33	0	62		0	156	42	0	198		0	0	0	0	0		74	101	0	0	175	435
11:15		43	0	29	0	72		0	158	59	0	217		0	0	0	0	0		79	105	0	0	184	473
11:30		35	0	43	0	78		0	183	54	0	237		0	0	0	0	0		101	142	0	0	243	558
11:45		44	0	41	0	85		0	161	33	0	194		0	0	0	0	0		79	127	0	0	206	485
Total	0	151	0	146	0	297	0	0	658	188	0	846	0	0	0	0	0	0	0	333	475	0	0	808	1951
12:00		43	0	27	0	70		0	186	37	0	223		0	0	0	0	0		75	109	0	0	184	477
12:15		40	1	40	0	81		0	194	43	0	237		0	0	0	1	1		92	136	0	0	228	547
12:30		44	0	40	0	84		0	186	35	0	221		0	0	0	0	0		83	153	0	0	236	541
12:45		49	0	42	0	91		1	189	45	0	235		0	0	0	0	0		94	125	0	0	219	545
Total	0	176	1	149	0	326	0	1	755	160	0	916	0	0	0	0	1	1	0	344	523	0	0	867	2110
13:00		33	0	31	0	64		0	166	47	3	216		0	0	0	0	0		73	145	0	0	218	498
13:15		33	0	32	0	65		0	145	52	0	197		0	0	0	0	0		94	126	0	0	220	482
13:30		28	0	33	0	61		0	162	55	0	217		0	0	0	0	0		94	126	0	0	220	498
13:45		37	1	45	0	83		0	154	48	0	202		0	0	0	0	0		88	121	0	0	209	494
Total	0	131	1	141	0	273	0	0	627	202	3	832	0	0	0	0	0	0	0	349	518	0	0	867	1972
14:00		39	0	21	0	60		0	168	63	0	231		0	0	0	0	0		105	133	0	0	238	529
14:15		37	0	31	0	68		0	145	54	0	199		0	0	0	0	0		102	132	0	0	234	501
14:30		50	0	36	0	86		0	151	65	0	216		0	0	0	0	0		84	121	0	0	205	507
14:45		33	1	44	0	78		0	157	43	0	200		0	0	0	0	0		93	139	0	0	232	510
Total	0	159	1	132	0	292	0	0	621	225	0	846	0	0	0	0	0	0	0	384	525	0	0	909	2047
15:00		31	0	30	0	61		0	167	90	0	257		0	0	0	0	0		98	121	0	0	219	537
15:15		36	0	37	0	73		0	184	56	1	241		0	0	0	0	0		112	132	0	0	244	558
15:30		37	0	37	0	74		0	195	91	0	286		0	0	0	0	0		96	129	0	0	225	585
15:45		42	0	29	0	71		0	220	54	0	274		0	0	0	0	0		109	128	0	0	237	582
Total	0	146	0	133	0	279	0	0	766	291	1	1058	0	0	0	0	0	0	0	415	510	0	0	925	2262
16:00		49	0	33	0	82		0	184	95	1	280		0	0	0	0	0		119	137	0	0	256	618
16:15		40	0	43	0	83		0	218	65	0	283		0	0	0	0	0		98	155	0	0	253	619
16:30		53	0	54	0	107		0	175	115	0	290		0	0	0	0	0		98	164	0	0	262	659
16:45		42	1	27	0	70		0	179	73	0	252		0	0	0	0	0		79	146	0	0	225	547

	35E West Ramp Southbound						County Road E Westbound						35E West Ramp Northbound						County Road E Eastbound						
Time	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Int Total
Total	0	184	1	157	0	342	0	0	756	348	1	1105	0	0	0	0	0	0	0	394	602	0	0	996	2443
17:00		41	0	45	0	86		0	207	80	0	287		0	0	0	0	0		113	160	0	0	273	646
17:15		47	0	42	0	89		0	165	58	0	223		0	0	0	0	0		93	131	0	0	224	536
17:30		50	0	27	0	77		0	165	49	1	215		0	0	0	0	0		82	134	0	0	216	508
17:45		39	0	44	0	83		0	182	50	0	232		0	0	0	0	0		103	151	0	0	254	569
Total	0	177	0	158	0	335	0	0	719	237	1	957	0	0	0	0	0	0	0	391	576	0	0	967	2259
18:00		31	0	30	0	61		1	141	36	0	178		0	0	0	0	0		77	111	0	0	188	427
18:15		31	0	25	0	56		0	150	42	0	192		0	0	0	0	0		81	122	0	0	203	451
18:30		36	1	22	0	59		0	143	27	0	170		0	0	0	0	0		75	112	0	0	187	416
18:45		22	0	34	0	56		0	139	22	0	161		0	0	0	0	0		68	131	0	0	199	416
Total	0	120	1	111	0	232	0	1	573	127	0	701	0	0	0	0	0	0	0	301	476	0	0	777	1710
19:00		27	0	15	0	42		0	148	36	0	184		0	0	0	0	0		71	83	0	0	154	380
19:15		37	0	23	0	60		0	154	27	0	181		0	0	0	0	0		63	96	0	0	159	400
19:30		19	0	11	0	30		0	121	28	0	149		0	0	0	0	0		56	86	0	0	142	321
19:45		25	0	8	0	33		0	134	17	0	151		0	0	0	0	0		72	84	0	0	156	340
Total	0	108	0	57	0	165	0	0	557	108	0	665	0	0	0	0	0	0	0	262	349	0	0	611	1441
20:00		20	0	12	0	32		0	119	19	1	139		0	0	0	0	0		70	82	0	0	152	323
20:15		21	0	12	0	33		0	105	41	0	146		0	0	0	0	0		65	78	0	0	143	322
20:30		18	0	8	0	26		0	95	28	0	123		0	0	0	0	0		47	63	0	0	110	259
20:45		19	0	8	0	27		0	95	28	0	123		0	0	0	0	0		56	68	0	0	124	274
Total	0	78	0	40	0	118	0	0	414	116	1	531	0	0	0	0	0	0	0	238	291	0	0	529	1178
21:00		11	0	12	0	23		0	65	12	0	77		0	0	0	0	0		60	53	0	0	113	213
21:15		11	0	9	0	20		0	48	21	0	69		0	0	0	0	0		39	38	0	0	77	166
21:30		12	0	6	0	18		0	55	17	0	72		0	0	0	0	0		25	38	0	0	63	153
21:45		8	0	7	0	15		0	48	16	0	64		0	0	0	0	0		28	37	0	0	65	144
Total	0	42	0	34	0	76	0	0	216	66	0	282	0	0	0	0	0	0	0	152	166	0	0	318	676
Grand Total	0	2045	9	2357	0	4411	0	2	8732	2765	10	11509	0	0	0	0	1	1	0	4843	6347	0	0	11190	27111
Appr %		46.4	0.2	53.4	0			0	75.9	24	0.1			0	0	0	100			43.3	56.7	0	0		
Total %		7.5	0	8.7	0			0	32.2	10.2	0			0	0	0	0			17.9	23.4	0	0		

	35E West Ramp Southbound						County Road E Westbound						35E West Ramp Northbound						County Road E Eastbound						
Time	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Peds	Right	Thru	Left	U-Turn	Appr Total	Int Total
AM Pk Hr		12:00	12:00	12:00	12:00	12:00		12:00	12:00	12:00	12:00	12:00		12:00	12:00	12:00	12:00	12:00		12:00	12:00	12:00	12:00	12:00	12:00
AM Pk Vol		176	1	149	0	326		1	755	160	0	916		0	0	0	1	1		344	523	0	0	867	2110
AM PHF		0.898	0.250	0.887	NaN	0.896		0.250	0.973	0.889	NaN	0.966		NaN	NaN	NaN	0.250	0.250		0.915	0.855	NaN	NaN	0.918	0.945
PM Pk Hr		15:45	15:45	15:45	15:45	15:45		15:45	15:45	15:45	15:45	15:45		15:45	15:45	15:45	15:45	15:45		15:45	15:45	15:45	15:45	15:45	15:45
PM Pk Vol		184	0	159	0	343		0	797	329	1	1127		0	0	0	0	0		424	584	0	0	1008	2478
PM PHF		0.868	NaN	0.736	NaN	0.801		NaN	0.906	0.715	0.250	0.972		NaN	NaN	NaN	NaN	NaN		0.891	0.890	NaN	NaN	0.962	0.940

Ramsey County Public Works

Turning Movement Count

File Name: County Road E at 35E West Ramp 0500-2200
Location: County Road E at 35E West Ramp

Trucks and Bikes

Site Code:
Study Date: 05/24/2022

	35E West Ramp Southbound						County Road E Westbound						35E West Ramp Northbound						County Road E Eastbound						
Time	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Int Total
05:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
05:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
05:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
05:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
06:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
06:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
06:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
07:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
07:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
07:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
08:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
08:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
08:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
09:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
09:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
09:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Time	35E West Ramp Southbound						County Road E Westbound						35E West Ramp Northbound						County Road E Eastbound						Int Total
	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	
10:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
10:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
10:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
10:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00		0	0	0	0	0		0	0	0	0	0		0	0	1	0	1		0	0	0	0	0	1
11:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
11:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
11:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
12:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
12:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
12:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
12:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
13:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
13:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
13:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
14:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
14:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
14:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
15:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
15:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
15:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
16:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
16:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
16:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0

	35E West Ramp Southbound						County Road E Westbound						35E West Ramp Northbound						County Road E Eastbound						
Time	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Int Total
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
17:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
17:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
17:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
18:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
18:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
18:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
19:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
19:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
19:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
20:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
20:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
20:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
21:15		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
21:30		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
21:45		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
Appr %		-2	-2	-2	-2			-2	-2	-2	-2			0	0	100	0			-2	-2	-2	-2		
Total %		0	0	0	0			0	0	0	0			0	0	100	0			0	0	0	0		

	35E West Ramp Southbound						County Road E Westbound						35E West Ramp Northbound						County Road E Eastbound						
Time	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Bikes	Right	Thru	Left	U-Turn	Appr Total	Int Total
AM Pk Hr		11:00	11:00	11:00	11:00	11:00		11:00	11:00	11:00	11:00	11:00		11:00	11:00	11:00	11:00	11:00		11:00	11:00	11:00	11:00	11:00	11:00
AM Pk Vol		0	0	0	0	0		0	0	0	0	0		0	0	1	0	1		0	0	0	0	0	1
AM PHF		NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN	NaN	NaN		NaN	NaN	0.250	NaN	0.250		NaN	NaN	NaN	NaN	NaN	0.250
PM Pk Hr		21:15	21:15	21:15	21:15	21:15		21:15	21:15	21:15	21:15	21:15		21:15	21:15	21:15	21:15	21:15		21:15	21:15	21:15	21:15	21:15	21:15
PM Pk Vol		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0
PM PHF		NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN	NaN	NaN	NaN

Ramsey County Public Works

Turning Movement Count

File Name: County Road E at 35E West Ramp 0500-2200
 Location: County Road E at 35E West Ramp

All Vehicles

Site Code:
 Study Date: 05/24/2022

Time	35E West Ramp Southbound					County Road E Westbound					35E West Ramp Northbound					County Road E Eastbound					Int Total
	Right	Thru	Left	U-Turn	Appr Total	Right	Thru	Left	U-Turn	Appr Total	Right	Thru	Left	U-Turn	Appr Total	Right	Thru	Left	U-Turn	Appr Total	
05:00	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	14	8	0	0	22	24
05:15	5	0	5	0	10	0	0	0	0	0	0	0	0	0	0	19	5	0	0	24	34
05:30	4	0	18	0	22	0	13	9	0	22	0	0	0	0	0	17	12	0	0	29	73
05:45	8	0	23	0	31	0	24	12	0	36	0	0	0	0	0	16	14	0	0	30	97
Total	17	0	48	0	65	0	37	21	0	58	0	0	0	0	0	66	39	0	0	105	228
06:00	11	1	25	0	37	0	31	23	0	54	0	0	0	0	0	19	13	0	0	32	123
06:15	8	0	37	0	45	0	29	20	0	49	0	0	0	0	0	38	17	0	0	55	149
06:30	21	0	47	0	68	0	50	27	0	77	0	0	0	0	0	39	32	0	0	71	216
06:45	19	1	59	0	79	0	64	24	1	89	0	0	0	0	0	39	25	0	0	64	232
Total	59	2	168	0	229	0	174	94	1	269	0	0	0	0	0	135	87	0	0	222	720
07:00	30	0	60	0	90	0	63	32	0	95	0	0	0	0	0	54	47	0	0	101	286
07:15	21	1	85	0	107	0	111	33	0	144	0	0	0	0	0	62	50	0	0	112	363
07:30	29	0	92	0	121	0	109	41	0	150	0	0	0	0	0	78	80	0	0	158	429
07:45	42	0	116	0	158	0	100	47	0	147	0	0	0	0	0	59	77	0	0	136	441
Total	122	1	353	0	476	0	383	153	0	536	0	0	0	0	0	253	254	0	0	507	1519
08:00	28	0	62	0	90	0	100	24	0	124	0	0	0	0	0	53	71	0	0	124	338
08:15	27	0	63	0	90	0	101	41	1	143	0	0	0	0	0	56	68	0	0	124	357
08:30	22	0	63	0	85	0	100	47	0	147	0	0	0	0	0	60	78	0	0	138	370
08:45	36	0	58	0	94	0	129	30	0	159	0	0	0	0	0	63	81	0	0	144	397
Total	113	0	246	0	359	0	430	142	1	573	0	0	0	0	0	232	298	0	0	530	1462
09:00	22	0	42	0	64	0	99	35	1	135	0	0	0	0	0	52	77	0	0	129	328
09:15	35	0	47	0	82	0	133	27	0	160	0	0	0	0	0	67	64	0	0	131	373
09:30	29	0	30	0	59	0	120	32	0	152	0	0	0	0	0	80	70	0	0	150	361
09:45	36	1	22	0	59	0	113	35	0	148	0	0	0	0	0	75	79	0	0	154	361
Total	122	1	141	0	264	0	465	129	1	595	0	0	0	0	0	274	290	0	0	564	1423

Time	35E West Ramp Southbound					County Road E Westbound					35E West Ramp Northbound					County Road E Eastbound					Int Total
	Right	Thru	Left	U-Turn	Appr Total	Right	Thru	Left	U-Turn	Appr Total	Right	Thru	Left	U-Turn	Appr Total	Right	Thru	Left	U-Turn	Appr Total	
10:00	36	0	44	0	80	0	140	33	0	173	0	0	0	0	0	81	88	0	0	169	422
10:15	30	0	35	0	65	0	150	39	0	189	0	0	0	0	0	79	102	0	0	181	435
10:30	33	0	36	0	69	0	137	51	0	188	0	0	0	0	0	76	86	0	0	162	419
10:45	41	0	28	0	69	0	154	35	0	189	0	0	0	0	0	84	92	0	0	176	434
Total	140	0	143	0	283	0	581	158	0	739	0	0	0	0	0	320	368	0	0	688	1710
11:00	29	0	33	0	62	0	156	42	0	198	0	0	1	0	1	74	101	0	0	175	436
11:15	43	0	29	0	72	0	158	59	0	217	0	0	0	0	0	79	105	0	0	184	473
11:30	35	0	43	0	78	0	183	54	0	237	0	0	0	0	0	101	142	0	0	243	558
11:45	44	0	41	0	85	0	161	33	0	194	0	0	0	0	0	79	127	0	0	206	485
Total	151	0	146	0	297	0	658	188	0	846	0	0	1	0	1	333	475	0	0	808	1952
12:00	43	0	27	0	70	0	186	37	0	223	0	0	0	0	0	75	109	0	0	184	477
12:15	40	1	40	0	81	0	194	43	0	237	0	0	0	1	1	92	136	0	0	228	547
12:30	44	0	40	0	84	0	186	35	0	221	0	0	0	0	0	83	153	0	0	236	541
12:45	49	0	42	0	91	1	189	45	0	235	0	0	0	0	0	94	125	0	0	219	545
Total	176	1	149	0	326	1	755	160	0	916	0	0	0	1	1	344	523	0	0	867	2110
13:00	33	0	31	0	64	0	166	47	3	216	0	0	0	0	0	73	145	0	0	218	498
13:15	33	0	32	0	65	0	145	52	0	197	0	0	0	0	0	94	126	0	0	220	482
13:30	28	0	33	0	61	0	162	55	0	217	0	0	0	0	0	94	126	0	0	220	498
13:45	37	1	45	0	83	0	154	48	0	202	0	0	0	0	0	88	121	0	0	209	494
Total	131	1	141	0	273	0	627	202	3	832	0	0	0	0	0	349	518	0	0	867	1972
14:00	39	0	21	0	60	0	168	63	0	231	0	0	0	0	0	105	133	0	0	238	529
14:15	37	0	31	0	68	0	145	54	0	199	0	0	0	0	0	102	132	0	0	234	501
14:30	50	0	36	0	86	0	151	65	0	216	0	0	0	0	0	84	121	0	0	205	507
14:45	33	1	44	0	78	0	157	43	0	200	0	0	0	0	0	93	139	0	0	232	510
Total	159	1	132	0	292	0	621	225	0	846	0	0	0	0	0	384	525	0	0	909	2047
15:00	31	0	30	0	61	0	167	90	0	257	0	0	0	0	0	98	121	0	0	219	537
15:15	36	0	37	0	73	0	184	56	1	241	0	0	0	0	0	112	132	0	0	244	558
15:30	37	0	37	0	74	0	195	91	0	286	0	0	0	0	0	96	129	0	0	225	585
15:45	42	0	29	0	71	0	220	54	0	274	0	0	0	0	0	109	128	0	0	237	582
Total	146	0	133	0	279	0	766	291	1	1058	0	0	0	0	0	415	510	0	0	925	2262
16:00	49	0	33	0	82	0	184	95	1	280	0	0	0	0	0	119	137	0	0	256	618
16:15	40	0	43	0	83	0	218	65	0	283	0	0	0	0	0	98	155	0	0	253	619
16:30	53	0	54	0	107	0	175	115	0	290	0	0	0	0	0	98	164	0	0	262	659
16:45	42	1	27	0	70	0	179	73	0	252	0	0	0	0	0	79	146	0	0	225	547
Total	184	1	157	0	342	0	756	348	1	1105	0	0	0	0	0	394	602	0	0	996	2443

Time	35E West Ramp Southbound					County Road E Westbound					35E West Ramp Northbound					County Road E Eastbound					Int Total
	Right	Thru	Left	U-Turn	Appr Total	Right	Thru	Left	U-Turn	Appr Total	Right	Thru	Left	U-Turn	Appr Total	Right	Thru	Left	U-Turn	Appr Total	
17:00	41	0	45	0	86	0	207	80	0	287	0	0	0	0	0	113	160	0	0	273	646
17:15	47	0	42	0	89	0	165	58	0	223	0	0	0	0	0	93	131	0	0	224	536
17:30	50	0	27	0	77	0	165	49	1	215	0	0	0	0	0	82	134	0	0	216	508
17:45	39	0	44	0	83	0	182	50	0	232	0	0	0	0	0	103	151	0	0	254	569
Total	177	0	158	0	335	0	719	237	1	957	0	0	0	0	0	391	576	0	0	967	2259
18:00	31	0	30	0	61	1	141	36	0	178	0	0	0	0	0	77	111	0	0	188	427
18:15	31	0	25	0	56	0	150	42	0	192	0	0	0	0	0	81	122	0	0	203	451
18:30	36	1	22	0	59	0	143	27	0	170	0	0	0	0	0	75	112	0	0	187	416
18:45	22	0	34	0	56	0	139	22	0	161	0	0	0	0	0	68	131	0	0	199	416
Total	120	1	111	0	232	1	573	127	0	701	0	0	0	0	0	301	476	0	0	777	1710
19:00	27	0	15	0	42	0	148	36	0	184	0	0	0	0	0	71	83	0	0	154	380
19:15	37	0	23	0	60	0	154	27	0	181	0	0	0	0	0	63	96	0	0	159	400
19:30	19	0	11	0	30	0	121	28	0	149	0	0	0	0	0	56	86	0	0	142	321
19:45	25	0	8	0	33	0	134	17	0	151	0	0	0	0	0	72	84	0	0	156	340
Total	108	0	57	0	165	0	557	108	0	665	0	0	0	0	0	262	349	0	0	611	1441
20:00	20	0	12	0	32	0	119	19	1	139	0	0	0	0	0	70	82	0	0	152	323
20:15	21	0	12	0	33	0	105	41	0	146	0	0	0	0	0	65	78	0	0	143	322
20:30	18	0	8	0	26	0	95	28	0	123	0	0	0	0	0	47	63	0	0	110	259
20:45	19	0	8	0	27	0	95	28	0	123	0	0	0	0	0	56	68	0	0	124	274
Total	78	0	40	0	118	0	414	116	1	531	0	0	0	0	0	238	291	0	0	529	1178
21:00	11	0	12	0	23	0	65	12	0	77	0	0	0	0	0	60	53	0	0	113	213
21:15	11	0	9	0	20	0	48	21	0	69	0	0	0	0	0	39	38	0	0	77	166
21:30	12	0	6	0	18	0	55	17	0	72	0	0	0	0	0	25	38	0	0	63	153
21:45	8	0	7	0	15	0	48	16	0	64	0	0	0	0	0	28	37	0	0	65	144
Total	42	0	34	0	76	0	216	66	0	282	0	0	0	0	0	152	166	0	0	318	676
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	2045	9	2357	0	4411	2	8732	2765	10	11509	0	0	1	1	2	4843	6347	0	0	11190	27112
Appr %	46.4	00.2	53.4	00.0		00.0	75.9	24.0	00.1		00.0	00.0	50.0	50.0		43.3	56.7	00.0	00.0		
Total %	07.5	00.0	08.7	00.0		00.0	32.2	10.2	00.0		00.0	00.0	00.0	00.0		17.9	23.4	00.0	00.0		
% Trucks	00.0	00.0	00.0	-	00.0	00.0	00.0	00.0	00.0	00.0	-	-	100.0	00.0	50.0	00.0	00.0	-	-	00.0	00.0

	35E West Ramp Southbound						County Road E Westbound						35E West Ramp Northbound						County Road E Eastbound						
Time		Right	Thru	Left	U-Turn	Appr Total		Right	Thru	Left	U-Turn	Appr Total		Right	Thru	Left	U-Turn	Appr Total		Right	Thru	Left	U-Turn	Appr Total	Int Total
AM Pk Hr		12:00	12:00	12:00	12:00	12:00		12:00	12:00	12:00	12:00	12:00		12:00	12:00	12:00	12:00	12:00		12:00	12:00	12:00	12:00	12:00	12:00
AM Pk Vol		176	1	149	0	326		1	755	160	0	916		0	0	0	1	1		344	523	0	0	867	2110
AM PHF		0.898	0.250	0.887	NaN	0.896		0.250	0.973	0.889	NaN	0.966		NaN	NaN	NaN	0.250	0.250		0.915	0.855	NaN	NaN	0.918	0.945
PM Pk Hr		15:45	15:45	15:45	15:45	15:45		15:45	15:45	15:45	15:45	15:45		15:45	15:45	15:45	15:45	15:45		15:45	15:45	15:45	15:45	15:45	15:45
PM Pk Vol		184	0	159	0	343		0	797	329	1	1127		0	0	0	0	0		424	584	0	0	1008	2478
PM PHF		0.868	NaN	0.736	NaN	0.801		NaN	0.906	0.715	0.250	0.972		NaN	NaN	NaN	NaN	NaN		0.891	0.890	NaN	NaN	0.962	0.940

Ramsey County Public Works

Turning Movement Count

File Name: County Road E at 35E West Ramp 0500-2200
Location: County Road E at 35E West Ramp

Site Code:
Study Date: 05/24/2022

All Vehicles

County Road E			
In = 10778	Out = 11190		
4843	6347	0	0
Right	Thru	Left	U-Turn
			

35E West Ramp			
In = 2		Out = 4411	
2045	9	2357	0
Right	Thru	Left	U-Turn
			

Total Volumes
05:00 to 22:00
Volume = 27112

			
U-Turn	Left	Thru	Right
1	1	0	0
In = 7618		Out = 2	
35E West Ramp			

County Road E			
In = 8714	Out = 11509		
2	8732	2765	10
Right	Thru	Left	U-Turn
			

Ramsey County Public Works

Turning Movement Count

File Name: County Road E at 35E West Ramp 0500-2200
Location: County Road E at 35E West Ramp

All Vehicles

Site Code:
Study Date: 05/24/2022

County Road E	0	U-Turn	
	0	Left	
	523	Thru	
	344	Right	

35E West Ramp			
176	1	149	0
Right	Thru	Left	U-Turn
			

AM Peak Hour Statistics
 AM Peak Hour Begins: 12:00
 AM Peak Hour Volume: 2110
 AM Peak Hour Factor: 0.945

			
U-Turn	Left	Thru	Right
1	0	0	0
35E West Ramp			

County Road E	1	Right	
	755	Thru	
	160	Left	
	0	U-Turn	

Ramsey County Public Works

Turning Movement Count

File Name: County Road E at 35E West Ramp 0500-2200
Location: County Road E at 35E West Ramp

All Vehicles

Site Code:
Study Date: 05/24/2022

County Road E	0	U-Turn	
	0	Left	
	584	Thru	
	424	Right	

35E West Ramp			
184	0	159	0
Right	Thru	Left	U-Turn
			

PM Peak Hour Statistics
 PM Peak Hour Begins: 15:45
 PM Peak Hour Volume: 2478
 PM Peak Hour Factor: 0.940

			
U-Turn	Left	Thru	Right
0	0	0	0
35E West Ramp			

County Road E	0	Right	
	797	Thru	
	329	Left	
	1	U-Turn	

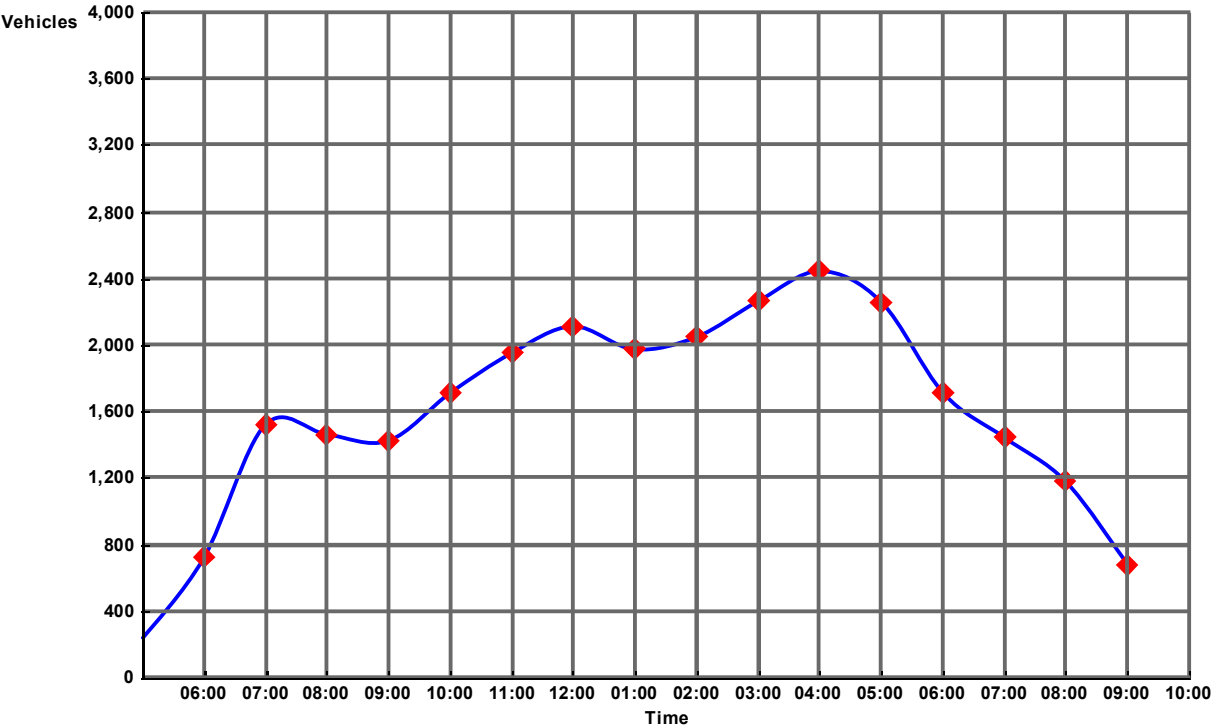
Ramsey County Public Works

Turning Movement Count

File Name: County Road E at 35E West Ramp 0500-2200
Location: County Road E at 35E West Ramp

Cars

Site Code:
Study Date: 05/24/2022



Ramsey County Public Works

Turning Movement Count

File Name: County Road E at 35E West Ramp 0500-2200

Site Code:

Location: County Road E at 35E West Ramp

Trucks

Study Date: 05/24/2022

