



# Spack Solutions

43 Main Street SE, Suite 136  
Minneapolis, MN 55414

TH-52 at CSAH-42 [West Ramp]  
City: Rosemount  
Data By: Spack Solutions  
TURN MOVEMENT COUNT

File Name : 03\_TH-52-at-CSAH-42-West-Ramp  
Site Code : 00000000  
Start Date : 2/24/2021  
Page No : 1

Groups Printed- Vehicles - Trucks

Start Time	Off ramp to South bound TH-52 Southbound				CSAH-42 Westbound				On ramp to South bound TH-52 Northbound				CSAH-42 Eastbound				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
06:00 AM	16	0	4	0	0	27	1	0	0	0	0	0	5	105	0	0	158
06:15 AM	36	0	1	0	0	28	1	0	0	0	0	0	11	91	0	0	168
06:30 AM	67	0	1	0	0	53	0	0	0	0	0	0	14	92	0	0	227
06:45 AM	65	0	2	0	0	60	0	0	0	0	0	0	6	77	0	0	210
Total	184	0	8	0	0	168	2	0	0	0	0	0	36	365	0	0	763
07:00 AM	45	0	3	0	0	38	1	0	0	0	0	0	20	87	0	0	194
07:15 AM	44	0	4	0	0	44	1	0	0	0	0	0	15	117	0	0	225
07:30 AM	52	0	6	0	0	52	3	0	0	0	0	0	7	96	0	0	216
07:45 AM	53	0	4	0	0	37	1	0	0	0	0	0	5	88	0	0	188
Total	194	0	17	0	0	171	6	0	0	0	0	0	47	388	0	0	823
08:00 AM	41	0	8	0	0	38	1	0	0	0	0	0	12	81	0	0	181
08:15 AM	39	1	5	0	0	34	4	0	0	0	0	0	10	70	0	0	163
08:30 AM	32	1	7	0	0	34	1	0	0	0	0	0	8	68	0	0	151
08:45 AM	25	0	2	0	0	34	2	0	0	0	0	0	6	60	0	0	129
Total	137	2	22	0	0	140	8	0	0	0	0	0	36	279	0	0	624
09:00 AM	29	0	10	0	0	21	2	0	0	0	0	0	13	72	0	0	147
09:15 AM	30	0	2	0	0	33	0	0	0	0	0	0	8	57	0	0	130
09:30 AM	33	0	5	0	0	33	0	0	0	0	0	0	15	63	0	0	149
09:45 AM	31	2	8	1	0	37	5	1	0	0	0	0	6	55	0	1	147
Total	123	2	25	1	0	124	7	1	0	0	0	0	42	247	0	1	573
10:00 AM	31	0	0	0	0	44	5	0	0	0	0	0	12	45	0	0	137
10:15 AM	38	0	3	0	0	31	3	0	0	0	0	0	18	46	0	0	139
10:30 AM	31	1	4	0	0	25	1	0	0	0	0	0	15	45	0	0	122
10:45 AM	22	0	4	0	0	31	2	0	0	0	0	0	16	58	0	0	133
Total	122	1	11	0	0	131	11	0	0	0	0	0	61	194	0	0	531
11:00 AM	33	0	7	0	0	39	3	0	0	0	0	0	14	65	0	0	161
11:15 AM	40	0	9	0	0	33	4	0	0	0	0	0	15	64	0	0	165
11:30 AM	37	0	4	0	0	39	0	0	0	0	0	0	13	62	0	0	155
11:45 AM	40	0	2	0	0	22	3	0	0	0	0	0	16	90	0	0	173
Total	150	0	22	0	0	133	10	0	0	0	0	0	58	281	0	0	654
12:00 PM	38	0	6	0	0	36	2	0	0	0	0	0	11	73	0	0	166
12:15 PM	41	0	3	0	0	25	3	0	0	0	0	0	16	62	0	0	150
12:30 PM	38	1	5	0	0	40	5	0	0	0	0	0	8	68	0	0	165
12:45 PM	34	0	5	0	0	36	2	0	0	0	0	0	8	56	0	0	141
Total	151	1	19	0	0	137	12	0	0	0	0	0	43	259	0	0	622
01:00 PM	41	0	7	0	0	34	3	0	0	0	0	0	13	82	0	0	180
01:15 PM	46	0	6	0	0	27	1	0	0	0	0	0	12	68	0	0	160
01:30 PM	47	0	6	0	0	28	2	0	0	0	0	0	13	85	0	0	181
01:45 PM	30	0	3	0	0	33	1	0	0	0	0	0	16	60	0	0	143
Total	164	0	22	0	0	122	7	0	0	0	0	0	54	295	0	0	664
02:00 PM	45	1	5	0	0	31	1	0	0	0	0	0	13	80	0	0	176



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File Name : 03\_TH-52-at-CSAH-42-West-Ramp  
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 Start Date : 2/24/2021  
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Groups Printed- Vehicles - Trucks

Start Time	Off ramp to South bound TH-52 Southbound				CSAH-42 Westbound				On ramp to South bound TH-52 Northbound				CSAH-42 Eastbound				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
02:15 PM	60	0	6	0	0	46	1	0	0	0	0	0	15	88	0	0	216
02:30 PM	54	1	2	0	0	38	4	0	0	0	0	0	15	89	0	0	203
02:45 PM	64	0	6	0	0	38	2	0	0	0	0	0	17	67	0	0	194
Total	223	2	19	0	0	153	8	0	0	0	0	0	60	324	0	0	789
03:00 PM	67	0	4	0	0	43	1	0	0	0	0	0	14	89	0	0	218
03:15 PM	77	0	9	0	0	35	1	0	0	0	0	0	21	71	0	0	214
03:30 PM	81	0	4	0	0	66	4	0	0	0	0	0	22	104	0	0	281
03:45 PM	88	0	9	0	0	44	3	0	0	0	0	0	11	75	0	0	230
Total	313	0	26	0	0	188	9	0	0	0	0	0	68	339	0	0	943
04:00 PM	86	0	7	0	0	45	1	0	0	0	0	0	16	97	0	0	252
04:15 PM	89	0	5	0	0	40	2	0	0	0	0	0	24	85	0	0	245
04:30 PM	95	0	8	0	0	57	6	0	0	0	0	0	11	93	0	0	270
04:45 PM	102	0	5	0	0	60	7	0	0	0	0	0	19	88	0	0	281
Total	372	0	25	0	0	202	16	0	0	0	0	0	70	363	0	0	1048
05:00 PM	83	0	2	0	0	57	5	0	0	0	0	0	15	86	0	0	248
05:15 PM	137	1	5	0	0	50	5	0	0	0	0	0	8	89	0	0	295
05:30 PM	93	0	5	0	0	36	2	0	0	0	0	0	28	87	0	0	251
05:45 PM	59	0	5	0	0	29	4	0	0	0	0	0	12	71	0	0	180
Total	372	1	17	0	0	172	16	0	0	0	0	0	63	333	0	0	974
Grand Total	2505	9	233	1	0	1841	112	1	0	0	0	0	638	3667	0	1	9008
Apprch %	91.2	0.3	8.5	0	0	94.2	5.7	0.1	0	0	0	0	14.8	85.2	0	0	
Total %	27.8	0.1	2.6	0	0	20.4	1.2	0	0	0	0	0	7.1	40.7	0	0	
Vehicles	2373	8	116	1	0	1726	83	1	0	0	0	0	603	3475	0	1	8387
% Vehicles	94.7	88.9	49.8	100	0	93.8	74.1	100	0	0	0	0	94.5	94.8	0	100	93.1
Trucks	132	1	117	0	0	115	29	0	0	0	0	0	35	192	0	0	621
% Trucks	5.3	11.1	50.2	0	0	6.2	25.9	0	0	0	0	0	5.5	5.2	0	0	6.9



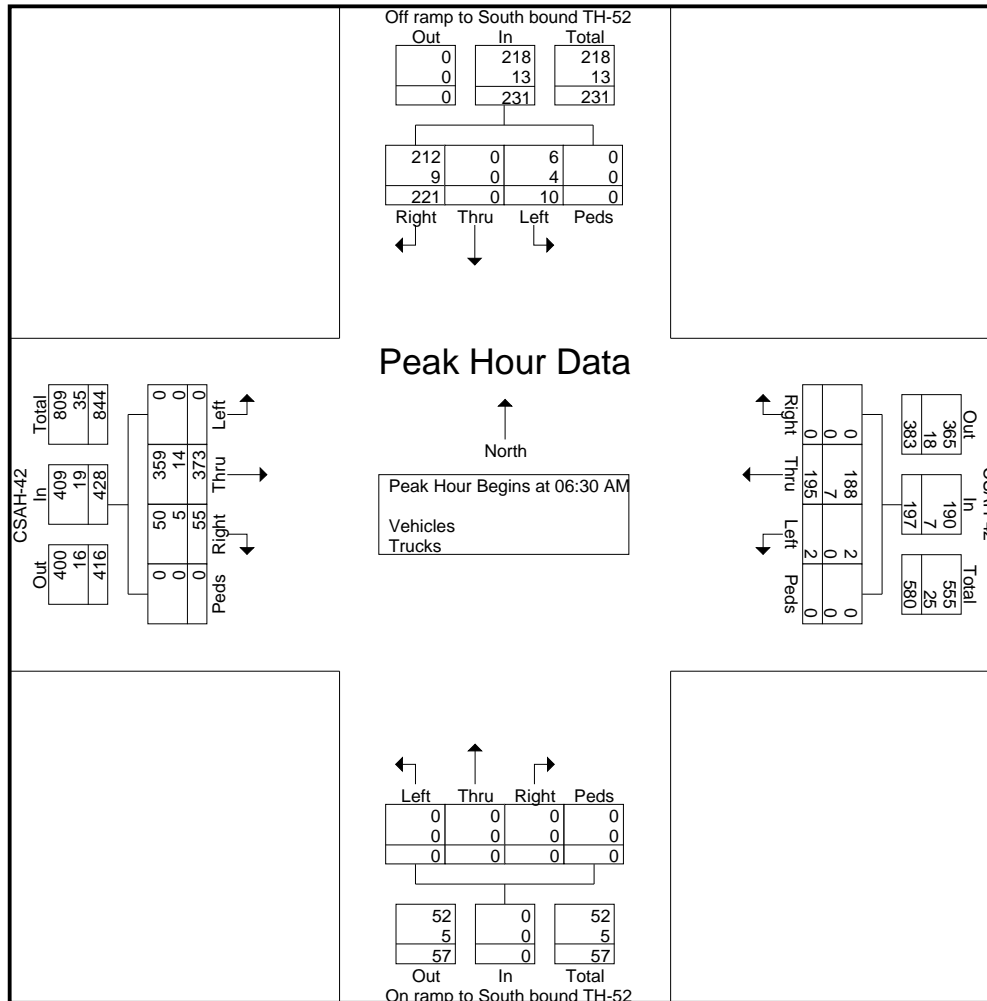
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Start Time	Off ramp to South bound TH-52 Southbound					CSAH-42 Westbound					On ramp to South bound TH-52 Northbound					CSAH-42 Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 12:00 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:30 AM																					
06:30 AM	67	0	1	0	68	0	53	0	0	53	0	0	0	0	0	14	92	0	0	106	227
06:45 AM	65	0	2	0	67	0	60	0	0	60	0	0	0	0	0	6	77	0	0	83	210
07:00 AM	45	0	3	0	48	0	38	1	0	39	0	0	0	0	0	20	87	0	0	107	194
07:15 AM	44	0	4	0	48	0	44	1	0	45	0	0	0	0	0	15	117	0	0	132	225
Total Volume	221	0	10	0	231	0	195	2	0	197	0	0	0	0	0	55	373	0	0	428	856
% App. Total	95.7	0	4.3	0		0	99	1	0		0	0	0	0		12.9	87.1	0	0		
PHF	.825	.000	.625	.000	.849	.000	.813	.500	.000	.821	.000	.000	.000	.000	.000	.688	.797	.000	.000	.811	.943
Vehicles	212	0	6	0	218	0	188	2	0	190	0	0	0	0	0	50	359	0	0	409	817
% Vehicles	95.9	0	60.0	0	94.4	0	96.4	100	0	96.4	0	0	0	0	0	90.9	96.2	0	0	95.6	95.4
Trucks	9	0	4	0	13	0	7	0	0	7	0	0	0	0	0	5	14	0	0	19	39
% Trucks	4.1	0	40.0	0	5.6	0	3.6	0	0	3.6	0	0	0	0	0	9.1	3.8	0	0	4.4	4.6





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File Name : 03\_TH-52-at-CSAH-42-West-Ramp  
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Page No : 4

Start Time	Off ramp to South bound TH-52 Southbound					CSAH-42 Westbound					On ramp to South bound TH-52 Northbound					CSAH-42 Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 12:15 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	95	0	8	0	103	0	57	6	0	63	0	0	0	0	0	11	93	0	0	104	270
04:45 PM	102	0	5	0	107	0	60	7	0	67	0	0	0	0	0	19	88	0	0	107	281
05:00 PM	83	0	2	0	85	0	57	5	0	62	0	0	0	0	0	15	86	0	0	101	248
05:15 PM	137	1	5	0	143	0	50	5	0	55	0	0	0	0	0	8	89	0	0	97	295
Total Volume	417	1	20	0	438	0	224	23	0	247	0	0	0	0	0	53	356	0	0	409	1094
% App. Total	95.2	0.2	4.6	0		0	90.7	9.3	0		0	0	0	0		13	87	0	0		
PHF	.761	.250	.625	.000	.766	.000	.933	.821	.000	.922	.000	.000	.000	.000	.000	.697	.957	.000	.000	.956	.927
Vehicles	408	1	4	0	413	0	221	23	0	244	0	0	0	0	0	53	354	0	0	407	1064
% Vehicles	97.8	100	20.0	0	94.3	0	98.7	100	0	98.8	0	0	0	0	0	100	99.4	0	0	99.5	97.3
Trucks	9	0	16	0	25	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	30
% Trucks	2.2	0	80.0	0	5.7	0	1.3	0	0	1.2	0	0	0	0	0	0	0.6	0	0	0.5	2.7

