

Date : 06/27/12

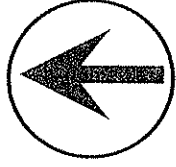
Count Number : TMC1217

Location : CSAH 9 (Round Lake Blvd.)

@ Northdale Blvd.

Collection Period : PEAK HOURS

6:30 - 8:30 AM, 12 - 2 PM, 4:30 - 6:30 PM



North

14742

#2

CSAH 9

7178	1184	468
T	F	D

7564

Northdale Blvd.

1074	2929
H	
J	

5418

#3

2489

3464

#1

Northdale Blvd.

3520	1353	693	1474
C	B	A	

6984

612	5137	8003
K	L	M

8113

CSAH 9

#4

16116

EXISTING LANES OF APPROACH				TOTAL
RIGHT TURN LANE	LEFT TURN LANE	THRU LANES		
#1	1	2	2	5
#2	1	1	3	5
#3	1	2	2	5
#4	1	2	3	6

Anoka County Highway Department

Traffic Volume and Turning

Movement Study



Weather: Hot and Sunny  
 Counter: DB-400  
 study conducted by: Andrea/Sam

File Name : TMC1217  
 Site Code : 12170203  
 Start Date : 07/10/2012  
 Page No : 1

Groups Printed- Unshifted

Start Time	CSAH 9 Southbound					Northdale Blvd. Westbound					CSAH 9 Northbound					Northdale Blvd. Eastbound					Excl. Total	Incl. Total	Int. Total
	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total			
06:30	31	401	12	10	444	22	8	4	0	34	15	63	9	14	87	19	7	23	2	49	26	614	640
06:45	26	364	19	8	409	27	11	10	2	48	44	62	3	3	109	7	12	22	3	41	16	607	623
Total	57	765	31	18	853	49	19	14	2	82	59	125	12	17	196	26	19	45	5	90	42	1221	1263
07:00	36	420	10	9	466	37	11	7	2	55	25	77	3	6	105	12	11	24	2	47	19	673	692
07:15	24	359	13	9	396	33	16	10	0	59	38	72	2	3	112	15	13	42	3	70	15	637	652
07:30	41	325	17	7	383	27	15	10	2	52	31	88	4	7	123	13	11	33	2	57	18	615	633
07:45	50	355	19	12	424	25	11	12	0	48	31	108	10	8	149	16	11	27	2	54	22	675	697
Total	151	1459	59	37	1669	122	53	39	4	214	125	345	19	24	489	56	46	126	9	228	74	2600	2674
08:00	23	250	10	13	283	34	16	13	2	63	46	74	9	1	129	16	15	32	0	63	16	538	554
08:15	46	254	12	7	312	22	22	29	3	73	30	85	20	12	135	22	17	36	5	75	27	595	622
08:30	0	0	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	0	0
Total	69	504	22	20	595	56	38	42	5	136	76	159	29	13	264	38	32	68	5	138	43	1133	1176
09:00	0	0	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	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	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	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
10:00	0	0	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	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	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	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
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	0	0	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	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	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
12:00	57	170	30	5	257	62	28	44	4	134	98	214	25	6	337	52	29	68	1	149	16	877	893
12:15	45	187	29	4	261	72	45	60	4	177	127	165	36	9	328	57	59	67	5	183	22	949	971
12:30	66	188	27	6	281	61	33	64	5	158	106	210	34	7	350	58	29	92	2	179	20	968	988
12:45	49	195	20	3	264	48	47	43	2	138	105	163	23	5	291	68	34	61	4	163	14	856	870
Total	217	740	106	18	1063	243	153	211	15	607	436	752	118	27	1306	235	151	288	12	674	72	3650	3722
13:00	45	141	13	4	199	44	39	43	3	126	124	176	21	5	321	63	45	103	0	211	12	857	869
13:15	52	181	25	6	258	52	39	50	3	141	114	176	23	5	313	55	42	78	2	175	16	887	903
13:30	54	143	28	2	225	50	34	54	1	138	133	163	33	8	329	75	34	66	1	175	12	867	879
13:45	48	190	18	5	256	58	30	52	4	140	106	228	39	9	373	56	40	66	2	162	20	931	951
Total	199	655	84	17	938	204	142	199	11	545	477	743	116	27	1336	249	161	313	5	723	60	3542	3602
14:00	0	0	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	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	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	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
15:00	0	0	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	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	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	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
16:00	0	0	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	0	0
16:30	64	174	20	10	258	53	39	79	1	171	142	383	45	8	570	88	39	69	0	196	19	1195	1214
16:45	46	173	37	3	256	45	38	84	0	167	130	381	39	4	550	100	52	71	2	223	9	1196	1205
Total	110	347	57	13	514	98	77	163	1	338	272	764	84	12	1120	188	91	140	2	419	28	2391	2419
17:00	63	170	32	5	265	57	45	78	0	180	147	398	41	3	586	90	41	86	4	217	12	1248	1260
17:15	54	188	15	3	257	56	40	69	1	165	124	428	52	5	604	111	16	72	2	199	11	1225	1236
17:30	65	169	24	2	258	60	47	78	2	185	173	381	45	4	599	97	40	100	0	237	8	1279	1287
17:45	90	165	18	2	273	56	40	57	1	153	128	358	42	8	528	88	35	93	1	216	12	1170	1182
Total	272	692	89	12	1053	229	172	282	4	683	572	1565	180	20	2317	386	132	351	7	869	43	4922	4965
18:00	54	167	10	1	231	75	48	58	3	181	114	354	34	4	502	106	36	70	1	212	9	1126	1135
18:15	55	197	10	0	262	37	40	66	1	143	123	330	20	2	473	69	25	73	1	167	4	1045	1049
Grand Total	1184	5526	468	136	7178	1113	742	1074	46	2929	2254	5137	612	146	8003	1353	693	1474	47	3520	375	21630</	



Weather: Hot and Sunny  
 Counter: DB-400  
 study conducted by: Andrea/Sam

File Name : TMC1217  
 Site Code : 12170203  
 Start Date : 07/10/2012  
 Page No : 2

Start Time	CSAH 9 Southbound				Northdale Blvd. Westbound				CSAH 9 Northbound				Northdale Blvd. Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 06:30 to 09:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00																	
07:00	36	420	10	466	37	11	7	55	25	77	3	105	12	11	24	47	673
07:15	24	359	13	396	33	16	10	59	38	72	2	112	15	13	42	70	637
07:30	41	325	17	383	27	15	10	52	31	88	4	123	13	11	33	57	615
07:45	50	355	19	424	25	11	12	48	31	108	10	149	16	11	27	54	675
Total Volume	151	1459	59	1669	122	53	39	214	125	345	19	489	56	46	126	228	2600
% App. Total	9	87.4	3.5		57	24.8	18.2		25.6	70.6	3.9		24.6	20.2	55.3		
PHF	.755	.868	.776	.895	.824	.828	.813	.907	.822	.799	.475	.820	.875	.885	.750	.814	.963
Peak Hour Analysis From 10:00 to 13:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00																	
12:00	57	170	30	257	62	28	44	134	98	214	25	337	52	29	68	149	877
12:15	45	187	29	261	72	45	60	177	127	165	36	328	57	59	67	183	949
12:30	66	188	27	281	61	33	64	158	106	210	34	350	58	29	92	179	968
12:45	49	195	20	264	48	47	43	138	105	163	23	291	68	34	61	163	856
Total Volume	217	740	106	1063	243	153	211	607	436	752	118	1306	235	151	288	674	3650
% App. Total	20.4	69.6	10		40	25.2	34.8		33.4	57.6	9		34.9	22.4	42.7		
PHF	.822	.949	.883	.946	.844	.814	.824	.857	.858	.879	.819	.933	.864	.640	.783	.921	.943
Peak Hour Analysis From 14:00 to 18:15 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:45																	
16:45	46	173	37	256	45	38	84	167	130	381	39	550	100	52	71	223	1196
17:00	63	170	32	265	57	45	78	180	147	398	41	586	90	41	86	217	1248
17:15	54	188	15	257	56	40	69	165	124	428	52	604	111	16	72	199	1225
17:30	65	169	24	258	60	47	78	185	173	381	45	599	97	40	100	237	1279
Total Volume	228	700	108	1036	218	170	309	697	574	1588	177	2339	398	149	329	876	4948
% App. Total	22	67.6	10.4		31.3	24.4	44.3		24.5	67.9	7.6		45.4	17	37.6		
PHF	.877	.931	.730	.977	.908	.904	.920	.942	.829	.928	.851	.968	.896	.716	.823	.924	.967