

APPENDIX B - HISTORIC AND FORECASTED 2040 TRAFFIC VOLUMES

Table B-1: Sherburne County Historic and Forecasted 2040 Traffic Volumes and V/C Ratios

Segment				Existing Characteristics					Existing Volumes and V/C Ratios			2040 Forecast Volumes and V/C Ratios					
Roadway	From	To	Segment Number	Functional Classification	Length (mi)	Posted Speed	Number of Lanes	Design Type	Volume Threshold	Recent Volume	Existing V/C Ratio	MnDOT 20-yr Growth Factor (1.4)	V/C Ratio	Annual 3.0%/year (24 years)	V/C Ratio	Compound 3.0%/year (24 years)	V/C Ratio
CR 121	CSAH 33	0.4 mi N 207th Ave	1	LOCAL	0.73	55	2	R1	14,000	660	0.05	924	0.07	1,135	0.08	1,342	0.10
CR 121	0.4 mi N 207th Ave	East Co Line	2	LOCAL	2.94	55	2	R1	14,000	700	0.05	980	0.07	1,204	0.09	1,423	0.10
CR 127	CSAH 23	82nd St	1	LOCAL	0.36	55	2	R1	14,000	780	0.06	1,092	0.08	1,342	0.10	1,586	0.11
CR 127	82nd St	1.0 mi S CSAH 3	2	LOCAL	1.65	55	2	R1	14,000	780	0.06	1,092	0.08	1,342	0.10	1,586	0.11
CR 127	1.0 mi S CSAH 3	CSAH 3	3	LOCAL	1.03	55	2	R1	14,000	780	0.06	1,092	0.08	1,342	0.10	1,586	0.11
CR 30	Joplin St	Orono Rd	1	URBAN COLLECTOR	0.80	30	2	U3	10,000	3,000	0.30	4,200	0.42	5,160	0.52	6,098	0.61
CR 30	Waco St	Joplin St	2	URBAN COLLECTOR	1.00	30	2	U3	10,000	860	0.09	1,204	0.12	1,479	0.15	1,748	0.17
CR 32	CSAH 1 (S Junc)	CR 72	1	URBAN COLLECTOR	1.45	30	2	U3	10,000	1,650	0.17	2,310	0.23	2,838	0.28	3,354	0.34
CR 32	CR 72	CR 33	2	URBAN COLLECTOR	1.56	55	2	R1	14,000	1,050	0.08	1,470	0.11	1,806	0.13	2,134	0.15
CR 32	CR 33	CR 79	3	URBAN COLLECTOR	0.51	55	2	R1	14,000	1,050	0.08	1,470	0.11	1,806	0.13	2,134	0.15
CR 32	CR 79	0.2 mi N 227th Ave	4	URBAN COLLECTOR	1.03	55	2	R1	14,000	660	0.05	924	0.07	1,135	0.08	1,342	0.10
CR 32	0.2 mi N 227th Ave	142nd St	5	MINOR COLLECTOR	1.12	55	2	R1	14,000	660	0.05	924	0.07	1,135	0.08	1,342	0.10
CR 32	142nd St	CSAH 1	6	MINOR COLLECTOR	1.12	55	2	R1	14,000	660	0.05	924	0.07	1,135	0.08	1,342	0.10
CR 33	CR 32	CSAH 1	1	URBAN COLLECTOR	1.36	55	2	R1	14,000	1,100	0.08	1,540	0.11	1,892	0.14	2,236	0.16
CR 34	CSAH 13	East Co Line	1	LOCAL	0.46	55	2	R1	14,000	255	0.02	357	0.03	439	0.03	518	0.04
CR 35	CSAH 15	CR 72 (N Junc)	1	MINOR COLLECTOR	2.50	55	2	R1	14,000	1,017	0.07	1,424	0.10	1,749	0.12	2,067	0.15
CR 35	CR 72 (N Junc)	CR 72 (S Junc)	2	URBAN COLLECTOR	0.29	55	2	R1	14,000	1,017	0.07	1,424	0.10	1,749	0.12	2,067	0.15
CR 35	CR 72 (S Junc)	CR 44	3	URBAN COLLECTOR	1.81	30	2	U3	10,000	2,350	0.24	3,290	0.33	4,042	0.40	4,777	0.48
CR 37	North Co Line	East Co Line	1	LOCAL	2.44	55	2	R1	14,000	110	0.01	154	0.01	189	0.01	224	0.02
CR 38	US 169	CSAH 19	1	LOCAL	1.98	55	2	R1	14,000	996	0.07	1,394	0.10	1,713	0.12	2,025	0.14
CR 38	CSAH 19	East Co Line	2	LOCAL	1.50	55	2	R1	14,000	477	0.03	668	0.05	820	0.06	970	0.07
CR 39	CSAH 4	269th Ave	1	LOCAL	0.99	55	2	R1	14,000	1,072	0.08	1,501	0.11	1,844	0.13	2,179	0.16
CR 39	269th Ave	276th Ave	2	LOCAL	1.45	55	2	R1	14,000	458	0.03	641	0.05	788	0.06	931	0.07
CR 39	276th Ave	CSAH 9	3	LOCAL	2.05	55	2	R1	14,000	458	0.03	641	0.05	788	0.06	931	0.07
CR 40	CSAH 12	CSAH 13	1	MAJOR COLLECTOR	1.60	55	2	R1	14,000	820	0.06	1,148	0.08	1,410	0.10	1,667	0.12
CR 42	CSAH 1 (S Junc)	CSAH 9	1	LOCAL	2.32	55	2	R1	14,000	363	0.03	508	0.04	624	0.04	738	0.05
CR 42	CSAH 9	CSAH 1 (N Junc)	2	LOCAL	3.00	55	2	R1	14,000	363	0.03	508	0.04	624	0.04	738	0.05
CR 42	CSAH 1 (N Junc)	CR 45	3	LOCAL	2.17	55	2	R1	14,000	1,900	0.14	2,660	0.19	3,268	0.23	3,862	0.28
CR 43	US 10	205th Ave	1	MINOR ARTERIAL	0.74	40	3	U3	18,000	6,312	0.35	8,837	0.49	10,857	0.60	12,831	0.71
CR 43	205th Ave	Elk River Bridge	2	MINOR ARTERIAL	0.38	40	3	U3	18,000	6,312	0.35	8,837	0.49	10,857	0.60	12,831	0.71
CR 43	Elk River Bridge	CR 83	3	MINOR ARTERIAL	1.64	55	2	R1	14,000	2,942	0.21	4,119	0.29	5,060	0.36	5,980	0.43
CR 43	CR 83	CSAH 15	4	MINOR ARTERIAL	2.18	55	2	R1	14,000	2,942	0.21	4,119	0.29	5,060	0.36	5,980	0.43
CR 44	US 10	CR 35	1	URBAN COLLECTOR	0.90	30	2	U3	10,000	3,400	0.34	4,760	0.48	5,848	0.58	6,911	0.69
CR 44	CR 35	CSAH 1	2	URBAN COLLECTOR	0.51	30	2	U3	10,000	2,100	0.21	2,940	0.29	3,612	0.36	4,269	0.43
CR 45	CSAH 25	6th Ave	1	MAJOR COLLECTOR	1.84	55	2	R1	14,000	3,000	0.21	4,200	0.30	5,160	0.37	6,098	0.44
CR 45	6th Ave	CSAH 4	2	MAJOR COLLECTOR	0.41	35	3	U3	18,000	3,000	0.17	4,200	0.23	5,160	0.29	6,098	0.34
CR 45	CSAH 4	0.6 mi N CSAH 4	3	MAJOR COLLECTOR	0.65	35	3	U3	18,000	3,350	0.19	4,690	0.26	5,762	0.32	6,810	0.38
CR 45	0.6 mi N CSAH 4	CSAH 9	4	MAJOR COLLECTOR	3.38	55	2	R1	14,000	2,568	0.18	3,595	0.26	4,417	0.32	5,220	0.37
CR 45	CSAH 9	CR 42	5	MAJOR COLLECTOR	2.71	55	2	R1	14,000	2,568	0.18	3,595	0.26	4,417	0.32	5,220	0.37
CR 45	CR 42	14th Ave	6	MAJOR COLLECTOR	0.75	55	2	R1	14,000	2,568	0.18	3,595	0.26	4,417	0.32	5,220	0.37
CR 45	14th Ave	US 169	7	MAJOR COLLECTOR	0.46	55	2	R1	14,000	8,800	0.63	12,320	0.88	15,136	1.08	17,889	1.28

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Segment				Existing Characteristics					Existing Volumes and V/C Ratios			2040 Forecast Volumes and V/C Ratios					
Roadway	From	To	Segment Number	Functional Classification	Length (mi)	Posted Speed	Number of Lanes	Design Type	Volume Threshold	Recent Volume	Existing V/C Ratio	MnDOT 20-yr Growth Factor (1.4)	V/C Ratio	Annual 3.0%/year (24 years)	V/C Ratio	Compound 3.0%/year (24 years)	V/C Ratio
CR 46	CSAH 1	CSAH 4	1	MINOR COLLECTOR	2.59	55	2	R1	14,000	1,550	0.11	2,170	0.16	2,666	0.19	3,151	0.23
CR 48	CSAH 6	CSAH 23	1	LOCAL	4.54	55	2	R1	14,000	455	0.03	637	0.05	783	0.06	925	0.07
CR 48	CSAH 23	CSAH 11	2	LOCAL	1.50	55	2	R1	14,000	410	0.03	574	0.04	705	0.05	833	0.06
CR 50	CSAH 11	US 10	1	LOCAL	1.88	55	2	R1	14,000	1,350	0.10	1,890	0.14	2,322	0.17	2,744	0.20
CR 51	CSAH 11	CSAH 4	1	LOCAL	2.69	55	2	R1	14,000	550	0.04	770	0.06	946	0.07	1,118	0.08
CR 52	CSAH 8	Hwy 10	1	LOCAL	0.54	55	2	R1	14,000	280	0.02	392	0.03	482	0.03	569	0.04
CR 53	115th Ave	CSAH 8	1	LOCAL	1.43	55	2	R1	14,000	149	0.01	209	0.01	256	0.02	303	0.02
CR 53	CSAH 8	US 10	2	LOCAL	1.45	55	2	R1	14,000	149	0.01	209	0.01	256	0.02	303	0.02
CR 53	US 10	CR 54	3	LOCAL	2.62	55	2	R1	14,000	259	0.02	363	0.03	445	0.03	526	0.04
CR 53	CR 54	77th Street	4	LOCAL	1.18	55	2	R1	14,000	344	0.02	482	0.03	592	0.04	699	0.05
CR 53	77th Street	CSAH 16	5	LOCAL	1.94	55	2	R1	14,000	344	0.02	482	0.03	592	0.04	699	0.05
CR 54	US 10	CR 55	1	LOCAL	1.63	55	2	R1	14,000	193	0.01	270	0.02	332	0.02	392	0.03
CR 54	CR 55	CR 56	2	LOCAL	1.00	55	2	R1	14,000	124	0.01	174	0.01	213	0.02	252	0.02
CR 54	CR 56	CR 53	3	LOCAL	1.28	55	2	R1	14,000	124	0.01	174	0.01	213	0.02	252	0.02
CR 55	Moorhouse Ave	US 10	1	LOCAL	1.54	55	2	R1	14,000	207	0.01	290	0.02	356	0.03	421	0.03
CR 55	US 10	CSAH 16	2	LOCAL	3.01	55	2	R1	14,000	315	0.02	441	0.03	542	0.04	640	0.05
CR 56	US 10	CR 53	1	LOCAL	2.12	55	2	R1	14,000	66	0.00	92	0.01	114	0.01	134	0.01
CR 56	87th St	CR 54	2	LOCAL	0.51	55	2	R1	14,000	125	0.01	175	0.01	215	0.02	254	0.02
CR 58	CSAH 8	Church St	1	LOCAL	2.17	55	2	R1	14,000	200	0.01	280	0.02	344	0.02	407	0.03
CR 59	CSAH 3	North Co Line	1	LOCAL	1.54	55	2	R1	14,000	105	0.01	147	0.01	181	0.01	213	0.02
CR 59	135th Ave	CSAH 23	2	LOCAL	1.47	55	2	R1	14,000	105	0.01	147	0.01	181	0.01	213	0.02
CR 61	US 10	CSAH 20	1	LOCAL	2.68	55	2	R1	14,000	180	0.01	252	0.02	310	0.02	366	0.03
CR 61	CSAH 20	90th Ave	2	LOCAL	1.54	55	2	R1	14,000	180	0.01	252	0.02	310	0.02	366	0.03
CR 61	90th Ave	CSAH 3	3	LOCAL	2.48	55	2	R1	14,000	140	0.01	196	0.01	241	0.02	285	0.02
CR 62	North Co Line	CSAH 20	1	MINOR COLLECTOR	2.94	55	2	R1	14,000	630	0.05	882	0.06	1,084	0.08	1,281	0.09
CR 62	CSAH 20	CSAH 6	2	LOCAL	3.26	55	2	R1	14,000	210	0.02	294	0.02	361	0.03	427	0.03
CR 63	CSAH 8	Park and Ride	1	LOCAL	0.37	30	2	U3	10,000	773	0.08	1,082	0.11	1,330	0.13	1,571	0.16
CR 65	CSAH 8	US 10	1	LOCAL	2.48	55	2	R1	14,000	282	0.02	395	0.03	485	0.03	573	0.04
CR 65	US 10	CSAH 3	2	MAJOR COLLECTOR	1.09	55	2	R1	14,000	495	0.04	693	0.05	851	0.06	1,006	0.07
CR 67	CSAH 24	102nd St	1	LOCAL	1.66	55	2	R1	14,000	340	0.02	476	0.03	585	0.04	691	0.05
CR 67	102nd St	CSAH 4	2	LOCAL	0.95	55	2	R1	14,000	340	0.02	476	0.03	585	0.04	691	0.05
CR 68	CSAH 14	S Limits Big Lake	1	LOCAL	0.74	55	2	R1	14,000	668	0.05	935	0.07	1,149	0.08	1,358	0.10
CR 70	CSAH 3	North Co Line	1	LOCAL	1.03	55	2	R1	14,000	130	0.01	182	0.01	224	0.02	264	0.02
CR 70	CSAH 3 (W Junc)	CSAH 3 (E Junc)	2	LOCAL	2.15	55	2	R1	14,000	25	0.00	35	0.00	43	0.00	51	0.00
CR 72	CR 35	CR 32	1	LOCAL	1.45	55	2	R1	14,000	327	0.02	458	0.03	562	0.04	665	0.05
CR 73	CR 81 (S Junc)	Manitou St	1	URBAN COLLECTOR	0.36	30	2	U3	10,000	3,900	0.39	5,460	0.55	6,708	0.67	7,928	0.79
CR 73	Manitou St	Highline Dr	2	URBAN COLLECTOR	0.48	30	2	U3	10,000	3,900	0.39	5,460	0.55	6,708	0.67	7,928	0.79
CR 73	Highline Dr	CR 81 (N Junc)	3	MAJOR COLLECTOR	1.64	55	2	R1	14,000	1,300	0.09	1,820	0.13	2,236	0.16	2,643	0.19
CR 73	CR 81 (N Junc)	Elk River Bridge	4	MAJOR COLLECTOR	0.51	55	2	R1	14,000	1,300	0.09	1,820	0.13	2,236	0.16	2,643	0.19
CR 73	Elk River Bridge	185th Ave	5	MAJOR COLLECTOR	0.46	55	2	R1	14,000	1,300	0.09	1,820	0.13	2,236	0.16	2,643	0.19
CR 73	185th Ave	CSAH 11	6	MINOR COLLECTOR	2.00	55	2	R1	14,000	890	0.06	1,246	0.09	1,531	0.11	1,809	0.13

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Segment				Existing Characteristics					Existing Volumes and V/C Ratios			2040 Forecast Volumes and V/C Ratios					
Roadway	From	To	Segment Number	Functional Classification	Length (mi)	Posted Speed	Number of Lanes	Design Type	Volume Threshold	Recent Volume	Existing V/C Ratio	MnDOT 20-yr Growth Factor (1.4)	V/C Ratio	Annual 3.0%/year (24 years)	V/C Ratio	Compound 3.0%/year (24 years)	V/C Ratio
CR 74	US 169	108th St	1	LOCAL	1.20	55	2	R1	14,000	475	0.03	665	0.05	817	0.06	966	0.07
CR 74	237th Ave	CSAH 19	2	LOCAL	1.02	55	2	R1	14,000	401	0.03	561	0.04	690	0.05	815	0.06
CR 75	CSAH 5	CSAH 4	1	LOCAL	4.01	55	2	R1	14,000	1,253	0.09	1,754	0.13	2,155	0.15	2,547	0.18
CR 76	CSAH 8	State St	1	LOCAL	3.84	55	2	R1	14,000	95	0.01	133	0.01	163	0.01	193	0.01
CR 78	CSAH 3	CR 62	1	LOCAL	1.11	55	2	R1	14,000	130	0.01	182	0.01	224	0.02	264	0.02
CR 79	CSAH 15	CR 32	1	MINOR COLLECTOR	3.80	55	2	R1	14,000	240	0.02	336	0.02	413	0.03	488	0.03
CR 80	CSAH 5	172nd St	1	LOCAL	1.50	55	2	R1	14,000	200	0.01	280	0.02	344	0.02	407	0.03
CR 80	172nd St	CSAH 3	2	LOCAL	1.36	55	2	R1	14,000	200	0.01	280	0.02	344	0.02	407	0.03
CR 81	US 10	CR 73 (S Junc)	1	MAJOR COLLECTOR	0.67	50	3	U3	18,000	1,539	0.09	2,155	0.12	2,647	0.15	3,128	0.17
CR 81	CR 73 (S Junc)	W Limits Big Lake	2	LOCAL	0.33	55	2	R1	14,000	478	0.03	669	0.05	822	0.06	972	0.07
CR 81	W Limits Big Lake	217th Ave	3	LOCAL	1.59	55	2	R1	14,000	478	0.03	669	0.05	822	0.06	972	0.07
CR 81	217th Ave	CR 73 (N Junc)	4	LOCAL	1.23	55	2	R1	14,000	478	0.03	669	0.05	822	0.06	972	0.07
CR 83	CR 43	CSAH 15	1	MINOR COLLECTOR	2.32	55	2	R1	14,000	1,539	0.11	2,155	0.15	2,647	0.19	3,128	0.22
CR 85	CSAH 16	CSAH 11	1	LOCAL	1.41	55	2	R1	14,000	60	0.00	84	0.01	103	0.01	122	0.01
CR 86	CSAH 23	CSAH 11	1	LOCAL	1.72	55	2	R1	14,000	120	0.01	168	0.01	206	0.01	244	0.02
CR 87	CSAH 1	Elk Lake Rd	1	LOCAL	0.67	55	2	R1	14,000	434	0.03	608	0.04	746	0.05	882	0.06
CR 87	Elk Lake Rd	CR 45	2	LOCAL	1.60	55	2	R1	14,000	434	0.03	608	0.04	746	0.05	882	0.06
CR 93	CSAH 4	CSAH 16	1	LOCAL	2.26	55	2	R1	14,000	900	0.06	1,260	0.09	1,548	0.11	1,830	0.13
CSAH 1	US 10	Proctor Rd	1	MINOR ARTERIAL	0.56	30	4	U2	24,000	13,400	0.56	18,760	0.78	23,048	0.96	27,239	1.13
CSAH 1	Proctor Rd	CR 32 (S Junc)	2	MINOR ARTERIAL	2.09	30	4	U2	24,000	5,700	0.24	7,980	0.33	9,804	0.41	11,587	0.48
CSAH 1	CR 32 (S Junc)	N Limits Elk River	3	MINOR ARTERIAL	3.76	55	2	R1	14,000	3,300	0.24	4,620	0.33	5,676	0.41	6,708	0.48
CSAH 1	N Limits Elk River	CR 32 (N Junc)	4	MAJOR COLLECTOR	0.26	55	2	R1	14,000	3,300	0.24	4,620	0.33	5,676	0.41	6,708	0.48
CSAH 1	CR 32 (N Junc)	CSAH 4	5	MAJOR COLLECTOR	4.39	55	2	R1	14,000	1,600	0.11	2,240	0.16	2,752	0.20	3,252	0.23
CSAH 1	CSAH 4	CR 87	6	MAJOR COLLECTOR	2.35	55	2	R1	14,000	1,750	0.13	2,450	0.18	3,010	0.22	3,557	0.25
CSAH 1	CR 87	CR 42 (S Junc)	7	MAJOR COLLECTOR	0.38	55	2	R1	14,000	1,200	0.09	1,680	0.12	2,064	0.15	2,439	0.17
CSAH 1	CR 42 (S Junc)	283rd Ave	8	MAJOR COLLECTOR	0.31	55	2	R1	14,000	1,200	0.09	1,680	0.12	2,064	0.15	2,439	0.17
CSAH 1	283rd Ave	CSAH 9	9	MAJOR COLLECTOR	1.25	55	2	R1	14,000	1,200	0.09	1,680	0.12	2,064	0.15	2,439	0.17
CSAH 1	CSAH 9	North Co Line	10	MAJOR COLLECTOR	4.03	55	2	R1	14,000	1,450	0.10	2,030	0.15	2,494	0.18	2,948	0.21
CSAH 10	CSAH 5	CSAH 15	1	MINOR COLLECTOR	2.42	55	2	R1	14,000	940	0.07	1,316	0.09	1,617	0.12	1,911	0.14
CSAH 11	TH 25	E Limits Becker	1	MINOR ARTERIAL	2.21	55	2	R1	14,000	12,400	0.89	17,360	1.24	21,328	1.52	25,207	1.80
CSAH 11	E Limits Becker	157th Ave	2	MINOR ARTERIAL	0.74	55	2	R1	14,000	11,200	0.80	15,680	1.12	19,264	1.38	22,767	1.63
CSAH 11	157th Ave	US 10	3	MINOR ARTERIAL	0.88	55	2	R1	14,000	11,200	0.80	15,680	1.12	19,264	1.38	22,767	1.63
CSAH 11	US 10	CSAH 24	4	MAJOR COLLECTOR	3.03	55	2	R1	14,000	4,000	0.29	5,600	0.40	6,880	0.49	8,131	0.58
CSAH 11	CSAH 24	CSAH 4	5	MAJOR COLLECTOR	2.00	55	2	R1	14,000	3,300	0.24	4,620	0.33	5,676	0.41	6,708	0.48
CSAH 11	CSAH 4	CSAH 16	6	MAJOR COLLECTOR	3.93	55	2	R1	14,000	2,550	0.18	3,570	0.26	4,386	0.31	5,184	0.37
CSAH 11	CSAH 16	CSAH 3	7	MAJOR COLLECTOR	3.65	55	2	R1	14,000	1,250	0.09	1,750	0.13	2,150	0.15	2,541	0.18
CSAH 11	CSAH 3	North Co Line	8	MAJOR COLLECTOR	1.43	55	2	R1	14,000	1,250	0.09	1,750	0.13	2,150	0.15	2,541	0.18
CSAH 12	Zane St	Nixon St	1	MINOR ARTERIAL	1.16	30	4	U2	24,000	10,700	0.45	14,980	0.62	18,404	0.77	21,751	0.91
CSAH 12	Nixon St	East Co Line	2	MINOR ARTERIAL	1.04	55	2	R1	14,000	7,300	0.52	10,220	0.73	12,556	0.90	14,839	1.06
CSAH 13	CSAH 12	187th Ave	1	MINOR ARTERIAL	1.33	40	4	U2	24,000	3,500	0.15	4,900	0.20	6,020	0.25	7,115	0.30
CSAH 13	187th Ave	Tyler St	2	MINOR ARTERIAL	0.57	55	2	R1	14,000	6,900	0.49	9,660	0.69	11,868	0.85	14,026	1.00

Table B-1: Sherburne County Historic and Forecasted 2040 Traffic Volumes and V/C Ratios

Segment				Existing Characteristics					Existing Volumes and V/C Ratios			2040 Forecast Volumes and V/C Ratios					
Roadway	From	To	Segment Number	Functional Classification	Length (mi)	Posted Speed	Number of Lanes	Design Type	Volume Threshold	Recent Volume	Existing V/C Ratio	MnDOT 20-yr Growth Factor (1.4)	V/C Ratio	Annual 3.0%/year (24 years)	V/C Ratio	Compound 3.0%/year (24 years)	V/C Ratio
CSAH 13	Tyler St	Lincoln St	3	MINOR ARTERIAL	0.64	55	2	R1	14,000	5,500	0.39	7,700	0.55	9,460	0.68	11,180	0.80
CSAH 13	Lincoln St	CSAH 33 (S Junc)	4	MINOR ARTERIAL	0.91	55	2	R1	14,000	6,100	0.44	8,540	0.61	10,492	0.75	12,400	0.89
CSAH 13	CSAH 33 (S Junc)	East Co Line	5	MINOR ARTERIAL	2.13	55	2	R1	14,000	2,400	0.17	3,360	0.24	4,128	0.29	4,879	0.35
CSAH 14	TH 25	Providence Dr	1	MINOR ARTERIAL	0.73	55	2	R1	14,000	2,750	0.20	3,850	0.28	4,730	0.34	5,590	0.40
CSAH 14	Providence Dr	CSAH 43	2	MINOR ARTERIAL	2.29	55	2	R1	14,000	2,750	0.20	3,850	0.28	4,730	0.34	5,590	0.40
CSAH 14	CSAH 43	US 10	3	MINOR ARTERIAL	3.74	55	2	R1	14,000	2,750	0.20	3,850	0.28	4,730	0.34	5,590	0.40
CSAH 15	US 10	CR 79	1	MINOR ARTERIAL	2.52	55	2	R1	14,000	3,550	0.25	4,970	0.36	6,106	0.44	7,216	0.52
CSAH 15	CR 79	233rd Ave	2	MINOR ARTERIAL	3.06	55	2	R1	14,000	3,400	0.24	4,760	0.34	5,848	0.42	6,911	0.49
CSAH 15	233rd Ave	CSAH 4	3	MINOR ARTERIAL	3.54	55	2	R1	14,000	1,800	0.13	2,520	0.18	3,096	0.22	3,659	0.26
CSAH 16	CSAH 8	US 10	1	MINOR COLLECTOR	3.53	55	2	R1	14,000	430	0.03	602	0.04	740	0.05	874	0.06
CSAH 16	US 10	CSAH 6 (E Junc)	2	MAJOR COLLECTOR	3.99	55	2	R1	14,000	2,150	0.15	3,010	0.22	3,698	0.26	4,371	0.31
CSAH 16	CSAH 6 (E Junc)	CR 53	3	MAJOR COLLECTOR	1.86	55	2	R1	14,000	2,150	0.15	3,010	0.22	3,698	0.26	4,371	0.31
CSAH 16	CR 53	CSAH 11	4	MAJOR COLLECTOR	5.02	55	2	R1	14,000	1,300	0.09	1,820	0.13	2,236	0.16	2,643	0.19
CSAH 16	CSAH 11	CR 93	5	MINOR COLLECTOR	3.54	55	2	R1	14,000	800	0.06	1,120	0.08	1,376	0.10	1,626	0.12
CSAH 16	CR 93	CSAH 5	6	MINOR COLLECTOR	2.07	55	2	R1	14,000	750	0.05	1,050	0.08	1,290	0.09	1,525	0.11
CSAH 17	TH 25	0.25 mi S US 10	1	MAJOR COLLECTOR	1.37	55	2	R1	14,000	4,400	0.31	6,160	0.44	7,568	0.54	8,944	0.64
CSAH 17	0.25 mi S US 10	US 10	2	MAJOR COLLECTOR	0.22	55	2	R1	14,000	4,400	0.31	6,160	0.44	7,568	0.54	8,944	0.64
CSAH 18	North Co Line	East Co Line	1	MINOR COLLECTOR	1.01	55	2	R1	14,000	560	0.04	784	0.06	963	0.07	1,138	0.08
CSAH 19	US 169	104th St	1	MAJOR COLLECTOR	1.70	55	2	R1	14,000	1,700	0.12	2,380	0.17	2,924	0.21	3,456	0.25
CSAH 19	245th Ave	CSAH 4	2	MAJOR COLLECTOR	2.49	55	2	R1	14,000	2,250	0.16	3,150	0.23	3,870	0.28	4,574	0.33
CSAH 19	CSAH 4	CSAH 9	3	MAJOR COLLECTOR	4.37	55	2	R1	14,000	2,250	0.16	3,150	0.23	3,870	0.28	4,574	0.33
CSAH 19	CSAH 9	CSAH 2	4	MAJOR COLLECTOR	2.50	55	2	R1	14,000	1,150	0.08	1,610	0.12	1,978	0.14	2,338	0.17
CSAH 2	US 169	317th Ave	1	MAJOR COLLECTOR	1.49	55	2	R1	14,000	3,350	0.24	4,690	0.34	5,762	0.41	6,810	0.49
CSAH 2	317th Ave	CSAH 29	2	MAJOR COLLECTOR	1.49	55	2	R1	14,000	3,350	0.24	4,690	0.34	5,762	0.41	6,810	0.49
CSAH 2	124th St	East Co Line	3	MAJOR COLLECTOR	3.71	55	2	R1	14,000	2,100	0.15	2,940	0.21	3,612	0.26	4,269	0.30
CSAH 20	US 10	N Limits Clear Lake	1	MINOR COLLECTOR	0.04	55	2	R1	14,000	495	0.04	693	0.05	851	0.06	1,006	0.07
CSAH 20	N Limits Clear Lake	CSAH 16	2	MAJOR COLLECTOR	2.21	55	2	R1	14,000	495	0.04	693	0.05	851	0.06	1,006	0.07
CSAH 20	CSAH 16	CSAH 3	3	MAJOR COLLECTOR	3.01	55	2	R1	14,000	500	0.04	700	0.05	860	0.06	1,016	0.07
CSAH 20	CSAH 3	North Co Line	4	MAJOR COLLECTOR	2.01	55	2	R1	14,000	500	0.04	700	0.05	860	0.06	1,016	0.07
CSAH 22	CSAH 3	North Co Line	1	MINOR COLLECTOR	1.18	55	2	R1	14,000	195	0.01	273	0.02	335	0.02	396	0.03
CSAH 23	US 10	Hancock St	1	MINOR ARTERIAL	0.69	30	2	U3	10,000	4,450	0.45	6,230	0.62	7,654	0.77	9,046	0.90
CSAH 23	Hancock St	Edgewood St	2	MINOR ARTERIAL	0.64	30	2	U3	10,000	5,700	0.57	7,980	0.80	9,804	0.98	11,587	1.16
CSAH 23	Edgewood St	107th St	3	MINOR ARTERIAL	0.51	55	2	R1	14,000	4,000	0.29	5,600	0.40	6,880	0.49	8,131	0.58
CSAH 23	107th St	CSAH 4	4	MINOR ARTERIAL	1.06	55	2	R1	14,000	4,000	0.29	5,600	0.40	6,880	0.49	8,131	0.58
CSAH 23	CSAH 4	CSAH 16	5	MINOR COLLECTOR	4.76	55	2	R1	14,000	1,300	0.09	1,820	0.13	2,236	0.16	2,643	0.19
CSAH 23	CSAH 16	CSAH 3	6	MINOR COLLECTOR	4.03	55	2	R1	14,000	720	0.05	1,008	0.07	1,238	0.09	1,464	0.10
CSAH 23	CSAH 3	North Co Line	7	MINOR COLLECTOR	1.06	55	2	R1	14,000	720	0.05	1,008	0.07	1,238	0.09	1,464	0.10
CSAH 24	Hancock St	CSAH 23	1	MAJOR COLLECTOR	0.35	30	2	U3	10,000	920	0.09	1,288	0.13	1,582	0.16	1,870	0.19
CSAH 24	CSAH 23	Riley Ave	2	MAJOR COLLECTOR	0.25	30	2	U3	10,000	1,850	0.19	2,590	0.26	3,182	0.32	3,761	0.38
CSAH 24	Riley Ave	Elk River Bridge	3	MAJOR COLLECTOR	0.60	30	2	U3	10,000	1,850	0.19	2,590	0.26	3,182	0.32	3,761	0.38
CSAH 24	Elk River Bridge	120th St	4	MAJOR COLLECTOR	0.29	55	2	R1	14,000	1,850	0.13	2,590	0.19	3,182	0.23	3,761	0.27

Table B-1: Sherburne County Historic and Forecasted 2040 Traffic Volumes and V/C Ratios

Segment				Existing Characteristics					Existing Volumes and V/C Ratios			2040 Forecast Volumes and V/C Ratios					
Roadway	From	To	Segment Number	Functional Classification	Length (mi)	Posted Speed	Number of Lanes	Design Type	Volume Threshold	Recent Volume	Existing V/C Ratio	MnDOT 20-yr Growth Factor (1.4)	V/C Ratio	Annual 3.0%/year (24 years)	V/C Ratio	Compound 3.0%/year (24 years)	V/C Ratio
CSAH 24	120th St	150th Ave	5	MAJOR COLLECTOR	0.10	55	2	R1	14,000	1,850	0.13	2,590	0.19	3,182	0.23	3,761	0.27
CSAH 24	150th Ave	E Limits Becker	6	MAJOR COLLECTOR	0.59	55	2	R1	14,000	1,850	0.13	2,590	0.19	3,182	0.23	3,761	0.27
CSAH 24	E Limits Becker	CSAH 11	7	MAJOR COLLECTOR	1.00	55	2	R1	14,000	1,850	0.13	2,590	0.19	3,182	0.23	3,761	0.27
CSAH 25	CSAH 1	CR 45	1	MINOR COLLECTOR	1.56	55	2	R1	14,000	690	0.05	966	0.07	1,187	0.08	1,403	0.10
CSAH 25	CR 45	US 169	2	MAJOR COLLECTOR	1.29	55	2	R1	14,000	2,050	0.15	2,870	0.21	3,526	0.25	4,167	0.30
CSAH 28	CSAH 19	East Co Line	1	MINOR COLLECTOR	1.07	55	2	R1	14,000	1,100	0.08	1,540	0.11	1,892	0.14	2,236	0.16
CSAH 29	US 169	CSAH 2	1	MAJOR COLLECTOR	0.20	55	2	R1	14,000	14,100	1.01	19,740	1.41	24,252	1.73	28,662	2.05
CSAH 29	CSAH 2	North Co Line	2	MAJOR COLLECTOR	0.19	55	2	R1	14,000	14,100	1.01	19,740	1.41	24,252	1.73	28,662	2.05
CSAH 3	US 10	CSAH 20	1	MAJOR COLLECTOR	4.24	55	2	R1	14,000	1,300	0.09	1,820	0.13	2,236	0.16	2,643	0.19
CSAH 3	CSAH 20	CSAH 6	2	MAJOR COLLECTOR	3.09	55	2	R1	14,000	1,300	0.09	1,820	0.13	2,236	0.16	2,643	0.19
CSAH 3	CSAH 6	CSAH 23	3	MAJOR COLLECTOR	4.92	55	2	R1	14,000	630	0.05	882	0.06	1,084	0.08	1,281	0.09
CSAH 3	CSAH 23	CSAH 11	4	MAJOR COLLECTOR	1.65	55	2	R1	14,000	560	0.04	784	0.06	963	0.07	1,138	0.08
CSAH 3	CSAH 11	CSAH 5	5	MAJOR COLLECTOR	4.44	55	2	R1	14,000	340	0.02	476	0.03	585	0.04	691	0.05
CSAH 3	CSAH 5	CR 80	6	MAJOR COLLECTOR	3.15	55	2	R1	14,000	380	0.03	532	0.04	654	0.05	772	0.06
CSAH 3	CR 80	North Co Line	7	MAJOR COLLECTOR	3.79	55	2	R1	14,000	1,100	0.08	1,540	0.11	1,892	0.14	2,236	0.16
CSAH 30	CSAH 14	Waco St	1	URBAN COLLECTOR	2.89	55	2	R1	14,000	900	0.06	1,260	0.09	1,548	0.11	1,830	0.13
CSAH 33	CSAH 1	York St	1	URBAN COLLECTOR	0.75	55	2	R1	14,000	2,050	0.15	2,870	0.21	3,526	0.25	4,167	0.30
CSAH 33	York St	Proctor Ave	2	URBAN COLLECTOR	1.27	55	2	R1	14,000	3,000	0.21	4,200	0.30	5,160	0.37	6,098	0.44
CSAH 33	Proctor Ave	US 169	3	URBAN COLLECTOR	0.85	55	2	R1	14,000	4,050	0.29	5,670	0.41	6,966	0.50	8,233	0.59
CSAH 33	US 169	Smith St	4	URBAN COLLECTOR	1.00	55	2	R1	14,000	2,050	0.15	2,870	0.21	3,526	0.25	4,167	0.30
CSAH 33	Smith St	#54 St	5	URBAN COLLECTOR	0.17	55	2	R1	14,000	2,050	0.15	2,870	0.21	3,526	0.25	4,167	0.30
CSAH 33	#54 St	CSAH 13 (N Junc)	6	URBAN COLLECTOR	1.38	55	2	R1	14,000	1,700	0.12	2,380	0.17	2,924	0.21	3,456	0.25
CSAH 33	CSAH 13 (S Junc)	East Co Line	7	MINOR ARTERIAL	0.50	55	2	R1	14,000	4,350	0.31	6,090	0.44	7,482	0.53	8,843	0.63
CSAH 4	CSAH 23	102nd St	1	MINOR ARTERIAL	0.77	55	2	R1	14,000	1,600	0.11	2,240	0.16	2,752	0.20	3,252	0.23
CSAH 4	102nd St	CSAH 11	2	MINOR ARTERIAL	2.02	55	2	R1	14,000	1,600	0.11	2,240	0.16	2,752	0.20	3,252	0.23
CSAH 4	CSAH 11	CSAH 5 (S Junc)	3	MINOR ARTERIAL	4.11	55	2	R1	14,000	1,600	0.11	2,240	0.16	2,752	0.20	3,252	0.23
CSAH 4	CSAH 5 (N Junc)	CSAH 15	4	MINOR ARTERIAL	2.86	55	2	R1	14,000	2,300	0.16	3,220	0.23	3,956	0.28	4,675	0.33
CSAH 4	CSAH 15	CSAH 1	5	MINOR ARTERIAL	2.08	55	2	R1	14,000	5,500	0.39	7,700	0.55	9,460	0.68	11,180	0.80
CSAH 4	CSAH 1	W Limits Zimmerman	6	MINOR ARTERIAL	0.59	55	2	R1	14,000	5,500	0.39	7,700	0.55	9,460	0.68	11,180	0.80
CSAH 4	W Limits Zimmerman	CR 46	7	MINOR ARTERIAL	0.51	55	2	R1	14,000	5,500	0.39	7,700	0.55	9,460	0.68	11,180	0.80
CSAH 4	CR 46	CR 45	8	MINOR ARTERIAL	1.00	30	2	U3	10,000	7,100	0.71	9,940	0.99	12,212	1.22	14,433	1.44
CSAH 4	CR 45	Main St	9	MINOR ARTERIAL	0.24	30	2	U3	10,000	11,300	1.13	15,820	1.58	19,436	1.94	22,971	2.30
CSAH 4	Main St	US 169	10	MINOR ARTERIAL	0.21	30	3	U3	18,000	11,200	0.62	15,680	0.87	19,264	1.07	22,767	1.26
CSAH 4	US 169	Fremont Dr	11	MINOR ARTERIAL	0.17	30	2	U3	10,000	8,600	0.86	12,040	1.20	14,792	1.48	17,482	1.75
CSAH 4	Fremont Dr	120th St	12	MINOR ARTERIAL	0.38	55	2	R1	14,000	8,600	0.61	12,040	0.86	14,792	1.06	17,482	1.25
CSAH 4	120th St	0.3 mi W CR 39	13	MINOR ARTERIAL	0.67	55	2	R1	14,000	6,300	0.45	8,820	0.63	10,836	0.77	12,807	0.91
CSAH 4	0.3 mi W CR 39	East Co Line	14	MINOR ARTERIAL	2.35	55	2	R1	14,000	3,650	0.26	5,110	0.37	6,278	0.45	7,420	0.53
CSAH 43	CSAH 14	US 10	1	MAJOR COLLECTOR	1.75	55	2	R1	14,000	1,150	0.08	1,610	0.12	1,978	0.14	2,338	0.17
CSAH 5	US 10	Glenwood Ave	1	URBAN COLLECTOR	0.74	30	3	U3	18,000	7,800	0.43	10,920	0.61	13,416	0.75	15,856	0.88
CSAH 5	Glenwood Ave	Hiawatha Ave	2	MAJOR COLLECTOR	0.50	55	2	R1	14,000	9,400	0.67	13,160	0.94	16,168	1.15	19,108	1.36
CSAH 5	Hiawatha Ave	Elk River Bridge	3	MAJOR COLLECTOR	0.99	55	2	R1	14,000	7,500	0.54	10,500	0.75	12,900	0.92	15,246	1.09

Table B-1: Sherburne County Historic and Forecasted 2040 Traffic Volumes and V/C Ratios

Segment				Existing Characteristics					Existing Volumes and V/C Ratios			2040 Forecast Volumes and V/C Ratios					
Roadway	From	To	Segment Number	Functional Classification	Length (mi)	Posted Speed	Number of Lanes	Design Type	Volume Threshold	Recent Volume	Existing V/C Ratio	MnDOT 20-yr Growth Factor (1.4)	V/C Ratio	Annual 3.0%/year (24 years)	V/C Ratio	Compound 3.0%/year (24 years)	V/C Ratio
CSAH 5	Elk River Bridge	CR 75	4	MAJOR COLLECTOR	0.75	55	2	R1	14,000	7,500	0.54	10,500	0.75	12,900	0.92	15,246	1.09
CSAH 5	CR 75	CSAH 4 (S Junc)	5	MAJOR COLLECTOR	4.32	55	2	R1	14,000	2,300	0.16	3,220	0.23	3,956	0.28	4,675	0.33
CSAH 5	CSAH 4 (S Junc)	CSAH 4 (N Junc)	6	MINOR ARTERIAL	1.25	55	2	R1	14,000	2,300	0.16	3,220	0.23	3,956	0.28	4,675	0.33
CSAH 5	CSAH 4 (N Junc)	CSAH 9	7	MAJOR COLLECTOR	3.23	55	2	R1	14,000	960	0.07	1,344	0.10	1,651	0.12	1,951	0.14
CSAH 5	CSAH 9	CSAH 3	8	MAJOR COLLECTOR	3.00	55	2	R1	14,000	960	0.07	1,344	0.10	1,651	0.12	1,951	0.14
CSAH 5	CSAH 3	North Co Line	9	MAJOR COLLECTOR	1.51	55	2	R1	14,000	960	0.07	1,344	0.10	1,651	0.12	1,951	0.14
CSAH 6	US 10	N Limits Clear Lake	1	MAJOR COLLECTOR	0.83	55	2	R1	14,000	1,950	0.14	2,730	0.20	3,354	0.24	3,964	0.28
CSAH 6	N Limits Clear Lake	CSAH 16	2	MAJOR COLLECTOR	2.83	55	2	R1	14,000	1,400	0.10	1,960	0.14	2,408	0.17	2,846	0.20
CSAH 6	CSAH 16	CSAH 3	3	MAJOR COLLECTOR	3.10	55	2	R1	14,000	1,250	0.09	1,750	0.13	2,150	0.15	2,541	0.18
CSAH 6	CSAH 3	North Co Line	4	MINOR COLLECTOR	2.43	55	2	R1	14,000	350	0.03	490	0.04	602	0.04	711	0.05
CSAH 7	US 10	40th Ave	1	MAJOR COLLECTOR	2.05	55	2	R1	14,000	1,300	0.09	1,820	0.13	2,236	0.16	2,643	0.19
CSAH 7	40th Ave	45th Ave	2	MAJOR COLLECTOR	0.63	55	2	R1	14,000	760	0.05	1,064	0.08	1,307	0.09	1,545	0.11
CSAH 7	45th Ave	CSAH 3	3	MAJOR COLLECTOR	1.67	55	2	R1	14,000	610	0.04	854	0.06	1,049	0.07	1,240	0.09
CSAH 8	US 10	CR 63	1	MINOR ARTERIAL	0.25	30	2	U3	10,000	6,100	0.61	8,540	0.85	10,492	1.05	12,400	1.24
CSAH 8	CR 63	University Dr	2	MINOR ARTERIAL	0.46	30	2	U3	10,000	8,600	0.86	12,040	1.20	14,792	1.48	17,482	1.75
CSAH 8	University Dr	TH 301	3	MINOR ARTERIAL	0.43	30	2	U3	10,000	3,550	0.36	4,970	0.50	6,106	0.61	7,216	0.72
CSAH 8	TH 301	9th Ave	4	MINOR ARTERIAL	0.40	30	2	U3	10,000	1,950	0.20	2,730	0.27	3,354	0.34	3,964	0.40
CSAH 8	Minnesota Blvd	9th Ave	5	MINOR ARTERIAL	0.36	55	2	R1	14,000	3,300	0.24	4,620	0.33	5,676	0.41	6,708	0.48
CSAH 8	9th Ave	24th St	6	MINOR ARTERIAL	0.21	55	2	R1	14,000	3,300	0.24	4,620	0.33	5,676	0.41	6,708	0.48
CSAH 8	24th St	S Limits St. Cloud	7	MINOR ARTERIAL	0.66	55	2	R1	14,000	3,300	0.24	4,620	0.33	5,676	0.41	6,708	0.48
CSAH 8	S Limits St. Cloud	37th St	8	MINOR ARTERIAL	0.81	55	2	R1	14,000	2,650	0.19	3,710	0.27	4,558	0.33	5,387	0.38
CSAH 8	37th St	CR 65	9	MINOR ARTERIAL	0.55	55	2	R1	14,000	2,650	0.19	3,710	0.27	4,558	0.33	5,387	0.38
CSAH 8	CR 65	CSAH 16	10	MINOR ARTERIAL	1.64	55	2	R1	14,000	2,250	0.16	3,150	0.23	3,870	0.28	4,574	0.33
CSAH 8	CSAH 16	TH 24	11	MINOR ARTERIAL	5.97	55	2	R1	14,000	1,950	0.14	2,730	0.20	3,354	0.24	3,964	0.28
CSAH 8	TH 24	CR 52	12	MINOR ARTERIAL	6.57	55	2	R1	14,000	2,600	0.19	3,640	0.26	4,472	0.32	5,285	0.38
CSAH 8	CR 52	US 10	13	MINOR ARTERIAL	0.59	55	2	R1	14,000	2,600	0.19	3,640	0.26	4,472	0.32	5,285	0.38
CSAH 9	CSAH 5	301st Ave	1	MINOR COLLECTOR	3.60	55	2	R1	14,000	870	0.06	1,218	0.09	1,496	0.11	1,769	0.13
CSAH 9	301st Ave	CSAH 1	2	MINOR COLLECTOR	1.50	55	2	R1	14,000	1,100	0.08	1,540	0.11	1,892	0.14	2,236	0.16
CSAH 9	CSAH 1	US 169	3	MAJOR COLLECTOR	2.50	55	2	R1	14,000	2,400	0.17	3,360	0.24	4,128	0.29	4,879	0.35
CSAH 9	US 169	CSAH 19	4	MAJOR COLLECTOR	1.96	55	2	R1	14,000	1,650	0.12	2,310	0.17	2,838	0.20	3,354	0.24
TH 10	North Co Line	CSAH 8 (W Junc)	1	PRINCIPAL ARTERIAL	0.06	50	4	R3	45,000	25,000	0.56	35,000	0.78	43,000	0.96	50,820	1.13
TH 10	CSAH 8 (W Junc)	CSAH 7	2	PRINCIPAL ARTERIAL	0.62	65	4	R3	45,000	25,000	0.56	35,000	0.78	43,000	0.96	50,820	1.13
TH 10	CSAH 7	E Limits St. Cloud	3	PRINCIPAL ARTERIAL	0.85	65	4	R3	45,000	25,000	0.56	35,000	0.78	43,000	0.96	50,820	1.13
TH 10	E Limits St. Cloud	CSAH 3	4	PRINCIPAL ARTERIAL	1.73	65	4	R3	45,000	24,800	0.55	34,720	0.77	42,656	0.95	50,413	1.12
TH 10	CSAH 3	CR 65	5	PRINCIPAL ARTERIAL	1.31	65	4	R3	45,000	24,800	0.55	34,720	0.77	42,656	0.95	50,413	1.12
TH 10	CR 65	CSAH 16	6	PRINCIPAL ARTERIAL	2.29	65	4	R3	45,000	24,800	0.55	34,720	0.77	42,656	0.95	50,413	1.12
TH 10	CSAH 16	W Limits Clear Lake	7	PRINCIPAL ARTERIAL	2.58	65	4	R3	45,000	24,800	0.55	34,720	0.77	42,656	0.95	50,413	1.12
TH 10	W Limits Clear Lake	TH 24	8	PRINCIPAL ARTERIAL	0.72	65	4	R3	45,000	20,400	0.45	28,560	0.63	35,088	0.78	41,469	0.92
TH 10	TH 24	E Limits Clear Lake	9	PRINCIPAL ARTERIAL	0.44	60	4	R3	45,000	14,500	0.32	20,300	0.45	24,940	0.55	29,476	0.66
TH 10	E Limits Clear Lake	W Limits Becker	10	PRINCIPAL ARTERIAL	4.97	65	4	R3	45,000	13,900	0.31	19,460	0.43	23,908	0.53	28,256	0.63
TH 10	W Limits Becker	CSAH 8 (E Junc)	11	PRINCIPAL ARTERIAL	0.80	65	4	R3	45,000	16,400	0.36	22,960	0.51	28,208	0.63	33,338	0.74

Table B-1: Sherburne County Historic and Forecasted 2040 Traffic Volumes and V/C Ratios

Segment				Existing Characteristics					Existing Volumes and V/C Ratios			2040 Forecast Volumes and V/C Ratios					
Roadway	From	To	Segment Number	Functional Classification	Length (mi)	Posted Speed	Number of Lanes	Design Type	Volume Threshold	Recent Volume	Existing V/C Ratio	MnDOT 20-yr Growth Factor (1.4)	V/C Ratio	Annual 3.0%/year (24 years)	V/C Ratio	Compound 3.0%/year (24 years)	V/C Ratio
TH 10	CSAH 8 (E Junc)	CSAH 24	12	PRINCIPAL ARTERIAL	0.81	65	4	R3	45,000	17,700	0.39	24,780	0.55	30,444	0.68	35,980	0.80
TH 10	CSAH 24	CSAH 23	13	PRINCIPAL ARTERIAL	0.45	65	4	R3	45,000	17,700	0.39	24,780	0.55	30,444	0.68	35,980	0.80
TH 10	CSAH 23	E Limits Becker	14	PRINCIPAL ARTERIAL	0.67	65	4	R3	45,000	19,300	0.43	27,020	0.60	33,196	0.74	39,233	0.87
TH 10	E Limits Becker	CSAH 11	15	PRINCIPAL ARTERIAL	2.65	65	4	R3	45,000	19,300	0.43	27,020	0.60	33,196	0.74	39,233	0.87
TH 10	CSAH 11	CR 50	16	PRINCIPAL ARTERIAL	1.34	65	4	R3	45,000	13,300	0.30	18,620	0.41	22,876	0.51	27,036	0.60
TH 10	CR 50	0.25 mi W CSAH 17	17	PRINCIPAL ARTERIAL	1.17	65	4	R3	45,000	13,300	0.30	18,620	0.41	22,876	0.51	27,036	0.60
TH 10	0.25 mi W CSAH 17	W Limits Big Lake	18	PRINCIPAL ARTERIAL	0.50	65	4	R3	45,000	13,300	0.30	18,620	0.41	22,876	0.51	27,036	0.60
TH 10	W Limits Big Lake	TH 25 (E Junc)	19	PRINCIPAL ARTERIAL	1.12	35	5	U6	35,000	16,300	0.47	22,820	0.65	28,036	0.80	33,135	0.95
TH 10	TH 25 (E Junc)	CSAH 5	20	PRINCIPAL ARTERIAL	0.18	35	5	U6	35,000	22,300	0.64	31,220	0.89	38,356	1.10	45,331	1.30
TH 10	CSAH 5	CSAH 43	21	PRINCIPAL ARTERIAL	0.51	35	4	U6	35,000	21,400	0.61	29,960	0.86	36,808	1.05	43,502	1.24
TH 10	CSAH 43	S Limits Big Lake	22	PRINCIPAL ARTERIAL	2.63	65	4	R3	45,000	18,400	0.41	25,760	0.57	31,648	0.70	37,403	0.83
TH 10	S Limits Big Lake	0.6 mi W CSAH 15	23	PRINCIPAL ARTERIAL	0.47	65	4	R3	45,000	18,400	0.41	25,760	0.57	31,648	0.70	37,403	0.83
TH 10	0.6 mi W CSAH 15	CSAH 15	24	PRINCIPAL ARTERIAL	0.61	65	4	R3	45,000	18,400	0.41	25,760	0.57	31,648	0.70	37,403	0.83
TH 10	CSAH 15	W Limits Elk River	25	PRINCIPAL ARTERIAL	1.64	65	4	R3	45,000	27,000	0.60	37,800	0.84	46,440	1.03	54,885	1.22
TH 10	W Limits Elk River	CR 44	26	PRINCIPAL ARTERIAL	2.48	55	4	R3	45,000	27,000	0.60	37,800	0.84	46,440	1.03	54,885	1.22
TH 10	CR 44	CSAH 1	27	PRINCIPAL ARTERIAL	0.41	45	4	U6	35,000	31,000	0.89	43,400	1.24	53,320	1.52	63,017	1.80
TH 10	CSAH 1	Main St	28	PRINCIPAL ARTERIAL	0.72	30	4	U6	35,000	31,000	0.89	43,400	1.24	53,320	1.52	63,017	1.80
TH 10	Main St	US 169	29	PRINCIPAL ARTERIAL	0.93	60	4	R3	45,000	29,000	0.64	40,600	0.90	49,880	1.11	58,951	1.31
TH 10	US 169	East Co Line	30	PRINCIPAL ARTERIAL	3.59	60	4	R3	45,000	35,500	0.79	49,700	1.10	61,060	1.36	72,164	1.60
TH 101	South Co Line	US 10	1	PRINCIPAL ARTERIAL	0.22	50	4	R3	45,000	52,000	1.16	72,800	1.62	89,440	1.99	105,705	2.35
TH 169	US 10	Main St	1	PRINCIPAL ARTERIAL	0.85	55	4	R3	45,000	47,500	1.06	66,500	1.48	81,700	1.82	96,558	2.15
TH 169	Main St	193rd Ave	2	PRINCIPAL ARTERIAL	1.32	55	4	R3	45,000	37,500	0.83	52,500	1.17	64,500	1.43	76,230	1.69
TH 169	193rd Ave	CSAH 33	3	PRINCIPAL ARTERIAL	1.48	65	4	R3	45,000	34,000	0.76	47,600	1.06	58,480	1.30	69,115	1.54
TH 169	CSAH 33	N Limits Elk River	4	PRINCIPAL ARTERIAL	3.04	65	4	R3	45,000	25,000	0.56	35,000	0.78	43,000	0.96	50,820	1.13
TH 169	N Limits Elk River	CSAH 25	5	PRINCIPAL ARTERIAL	1.82	65	4	R3	45,000	25,000	0.56	35,000	0.78	43,000	0.96	50,820	1.13
TH 169	CSAH 25	CSAH 19	6	PRINCIPAL ARTERIAL	0.25	65	4	R3	45,000	25,000	0.56	35,000	0.78	43,000	0.96	50,820	1.13
TH 169	CSAH 19	S Limits Zimmerman	7	PRINCIPAL ARTERIAL	1.68	65	4	R3	45,000	25,000	0.56	35,000	0.78	43,000	0.96	50,820	1.13
TH 169	S Limits Zimmerman	CSAH 4	8	PRINCIPAL ARTERIAL	0.53	65	4	R3	45,000	25,000	0.56	35,000	0.78	43,000	0.96	50,820	1.13
TH 169	CSAH 4	N Limits Zimmerman	9	PRINCIPAL ARTERIAL	0.76	65	4	R3	45,000	18,900	0.42	26,460	0.59	32,508	0.72	38,420	0.85
TH 169	N Limits Zimmerman	CSAH 9	10	PRINCIPAL ARTERIAL	3.28	65	4	R3	45,000	18,900	0.42	26,460	0.59	32,508	0.72	38,420	0.85
TH 169	CSAH 9	CSAH 2	11	PRINCIPAL ARTERIAL	2.48	65	4	R3	45,000	18,900	0.42	26,460	0.59	32,508	0.72	38,420	0.85
TH 169	CSAH 2	CSAH 29	12	PRINCIPAL ARTERIAL	1.14	65	4	R3	45,000	18,900	0.42	26,460	0.59	32,508	0.72	38,420	0.85
TH 169	CSAH 29	North Co Line	13	PRINCIPAL ARTERIAL	0.60	65	4	R3	45,000	18,900	0.42	26,460	0.59	32,508	0.72	38,420	0.85
TH 24	South Co Line	CSAH 8	1	PRINCIPAL ARTERIAL	0.95	55	2	R1	14,000	15,600	1.11	21,840	1.56	26,832	1.92	31,712	2.27
TH 24	CSAH 8	S Limits Clear Lake	2	PRINCIPAL ARTERIAL	1.41	55	2	R1	14,000	11,700	0.84	16,380	1.17	20,124	1.44	23,784	1.70
TH 24	S Limits Clear Lake	US 10	3	PRINCIPAL ARTERIAL	0.70	30	2	U1	8,000	10,500	1.31	14,700	1.84	18,060	2.26	21,344	2.67
TH 25	South Co Line	CSAH 11/CSAH 14	1	PRINCIPAL ARTERIAL	0.18	30	4	U5	24,000	36,500	1.52	51,100	2.13	62,780	2.62	74,197	3.09
TH 25	CSAH 11/CSAH 14	CSAH 17	2	PRINCIPAL ARTERIAL	0.50	55	2	R1	14,000	16,100	1.15	22,540	1.61	27,692	1.98	32,728	2.34
TH 25	CSAH 17	0.25 mi N CSAH 17	3	PRINCIPAL ARTERIAL	0.24	55	2	R1	14,000	9,900	0.71	13,860	0.99	17,028	1.22	20,125	1.44
TH 25	0.25 mi N CSAH 17	W Limits Big Lake	4	PRINCIPAL ARTERIAL	1.00	55	2	R1	14,000	9,900	0.71	13,860	0.99	17,028	1.22	20,125	1.44
TH 25	W Limits Big Lake	US 10	5	PRINCIPAL ARTERIAL	0.93	30	3	U1	18,000	9,900	0.55	13,860	0.77	17,028	0.95	20,125	1.12

Table B-1: Sherburne County Historic and Forecasted 2040 Traffic Volumes and V/C Ratios

Segment				Existing Characteristics					Existing Volumes and V/C Ratios			2040 Forecast Volumes and V/C Ratios					
Roadway	From	To	Segment Number	Functional Classification	Length (mi)	Posted Speed	Number of Lanes	Design Type	Volume Threshold	Recent Volume	Existing V/C Ratio	MnDOT 20-yr Growth Factor (1.4)	V/C Ratio	Annual 3.0%/year (24 years)	V/C Ratio	Compound 3.0%/year (24 years)	V/C Ratio
TH 25	US 10	CSAH 16	6	MINOR ARTERIAL	5.39	55	2	R1	14,000	3,650	0.26	5,110	0.37	6,278	0.45	7,420	0.53
TH 25	CSAH 16	CSAH 3	7	MINOR ARTERIAL	2.88	55	2	R1	14,000	2,800	0.20	3,920	0.28	4,816	0.34	5,692	0.41
TH 25	CSAH 3	North Co Line	8	MINOR ARTERIAL	2.29	55	2	R1	14,000	2,450	0.18	3,430	0.25	4,214	0.30	4,980	0.36
TH 301	CSAH 8	0.5 mi W US 10	1	MINOR ARTERIAL	0.54	35	2	U1	8,000	4,450	0.56	6,230	0.78	7,654	0.96	9,046	1.13
TH 301	0.5 mi W US 10	US 10	2	MINOR ARTERIAL	0.52	40	2	U1	8,000	2,750	0.34	3,850	0.48	4,730	0.59	5,590	0.70

Trunk Highway System Facility Design Types

Code	Definition
U-1	Urban two-lane at-grade local urban street at 30-45 mph
U-5	Four-lane at-grade at 30 mph
U-6	Urban expressway at 35-45 mph
U-7	Three-lane undivided
R-1	Rural two-lane at-grade at 55 mph
R-3	Rural expressway at 50-65 mph

County System Facility Design Types

Code	Definition
U-2	Four-lane at-grade at 40 mph
U-3	Two-lane at-grade urban arterial street at 30 mph
U-4	Three-lane facilities
U-5	Four-lane at-grade at 30 mph
R-1	Rural two-lane at-grade at 55 mph