

NATIONAL HIGHWAY SYSTEM LENGTH - 2002
MILES BY VOLUME - SERVICE FLOW RATIO - RURAL 1/

TABLE HM-42
 SHEET 1 OF 2

OCTOBER 2003

STATE	VOLUME-SERVICE FLOW RATIO (V/SF)																				
	INTERSTATE SYSTEM							OTHER							TOTAL						
	< 0.21	0.21-0.40	0.41-0.70	0.71-0.79	0.80-0.95	> 0.95	TOTAL	< 0.21	0.21-0.40	0.41-0.70	0.71-0.79	0.80-0.95	> 0.95	TOTAL	< 0.21	0.21-0.40	0.41-0.70	0.71-0.79	0.80-0.95	> 0.95	TOTAL
Alabama	-	148	278	89	67	22	604	564	1,109	309	18	20	23	2,043	564	1,257	587	107	87	45	2,647
Alaska	545	347	64	62	5	6	1,029	747	199	11	-	1	-	958	1,292	546	75	62	6	6	1,987
Arizona	198	499	261	23	12	4	997	388	417	306	4	21	-	1,136	586	916	567	27	33	4	2,133
Arkansas	-	152	266	14	23	11	466	663	631	384	63	37	-	1,778	663	783	650	77	60	11	2,244
California	15	491	467	136	229	18	1,356	772	1,446	1,032	101	175	141	3,667	787	1,937	1,499	237	404	159	5,023
Colorado	170	387	115	37	30	-	739	520	783	370	30	48	87	1,838	690	1,170	485	67	78	87	2,577
Connecticut	-	17	20	1	5	-	43	16	70	50	-	12	8	156	16	87	70	1	17	8	199
Delaware	-	-	-	-	-	-	-	11	68	71	25	9	20	204	11	68	71	25	9	20	204
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	-	304	451	47	150	-	952	380	1,108	192	23	14	59	1,776	380	1,412	643	70	164	59	2,728
Georgia	159	281	302	56	4	3	805	1,760	620	151	-	8	-	2,539	1,919	901	453	56	12	3	3,344
Hawaii	-	-	6	-	-	-	6	-	74	72	7	7	-	160	-	74	78	7	7	-	166
Idaho	239	276	10	-	-	2	527	1,017	553	51	2	9	21	1,653	1,256	829	61	2	9	23	2,180
Illinois	324	846	297	17	-	24	1,508	1,168	661	-	-	5	-	1,834	1,492	1,507	297	17	5	24	3,342
Indiana	91	598	159	-	4	-	852	285	803	222	5	6	4	1,325	376	1,401	381	5	10	4	2,177
Iowa	632	2	-	-	-	-	634	1,223	760	59	-	-	-	2,042	1,855	762	59	-	-	-	2,676
Kansas	204	427	65	-	-	-	696	1,679	870	82	-	-	-	2,631	1,883	1,297	147	-	-	-	3,327
Kentucky	-	123	331	17	54	2	527	676	680	324	24	12	14	1,730	676	803	655	41	66	16	2,257
Louisiana	75	167	300	15	1	-	558	359	699	106	-	18	1	1,183	434	866	406	15	19	1	1,741
Maine	141	117	49	6	-	-	313	183	460	137	3	5	-	788	324	577	186	9	5	-	1,101
Maryland	6	59	53	25	61	26	230	14	202	214	60	17	27	534	20	261	267	85	78	53	764
Massachusetts	5	47	69	2	24	16	163	50	149	81	15	11	17	323	55	196	150	17	35	33	486
Michigan	51	323	305	53	3	5	740	634	1,122	409	89	28	20	2,302	685	1,445	714	142	31	25	3,042
Minnesota	191	151	205	39	48	47	681	655	1,442	432	44	13	3	2,589	846	1,593	637	83	61	50	3,270
Mississippi	76	339	109	28	5	-	557	793	543	264	-	-	10	1,610	869	882	373	28	5	10	2,167
Missouri	24	255	395	54	57	21	806	575	1,684	305	-	2	26	2,592	599	1,939	700	54	59	47	3,398
Montana	862	274	-	-	-	-	1,136	2,023	526	67	-	6	-	2,622	2,885	800	67	-	6	-	3,758
Nebraska	104	252	71	8	3	-	438	1,748	492	10	-	2	-	2,252	1,852	744	81	8	5	-	2,690
Nevada	346	67	35	3	2	27	480	1,102	215	56	15	13	32	1,433	1,448	282	91	18	15	59	1,913
New Hampshire	29	41	66	12	13	16	177	38	129	242	27	5	14	455	67	170	308	39	18	30	632
New Jersey	-	19	36	-	36	26	117	48	102	169	51	41	122	533	48	121	205	51	77	148	650
New Mexico	339	398	148	-	-	7	892	1,077	568	69	4	-	33	1,751	1,416	966	217	4	-	40	2,643
New York	134	308	370	56	49	28	945	535	921	264	15	62	24	1,821	669	1,229	634	71	111	52	2,766
North Carolina	-	72	265	88	101	125	651	219	947	767	128	33	143	2,237	219	1,019	1,032	216	134	268	2,888
North Dakota	494	36	-	-	-	-	530	2,000	89	-	-	-	-	2,089	2,494	125	-	-	-	-	2,619
Ohio	15	170	432	42	155	15	829	672	880	255	27	8	7	1,849	687	1,050	687	69	163	22	2,678
Oklahoma	71	389	216	17	22	8	723	1,387	671	54	4	-	1	2,117	1,458	1,060	270	21	22	9	2,840
Oregon	97	250	163	50	17	5	582	945	1,032	551	43	46	60	2,677	1,042	1,282	714	93	63	65	3,259
Pennsylvania	61	718	353	34	38	2	1,206	654	1,091	447	30	40	6	2,268	715	1,809	800	64	78	8	3,474
Rhode Island	-	-	5	-	13	4	22	26	25	11	-	3	1	66	26	25	16	-	16	5	88
South Carolina	-	4	298	102	215	48	667	362	582	302	14	12	29	1,301	362	586	600	116	227	77	1,968
South Dakota	398	213	18	-	-	-	629	1,796	347	56	-	-	-	2,199	2,194	560	74	-	-	-	2,828
Tennessee	16	71	550	71	7	20	735	474	690	227	64	47	6	1,508	490	761	777	135	54	26	2,243
Texas	979	537	530	71	64	17	2,198	3,341	2,449	657	21	18	12	6,498	4,320	2,986	1,187	92	82	29	8,696
Utah	312	357	95	4	-	2	770	307	491	136	3	7	66	1,010	619	848	231	7	7	68	1,780
Vermont	99	89	88	3	1	-	280	31	171	113	-	4	-	319	130	201	201	3	5	-	599
Virginia	58	393	232	25	17	-	725	939	450	55	-	-	25	1,469	997	843	287	25	17	25	2,194
Washington	7	289	178	-	19	9	502	840	934	295	15	26	-	2,110	847	1,223	473	15	45	9	2,612
West Virginia	81	212	162	-	-	-	455	545	414	74	1	36	5	1,075	626	626	236	1	36	5	1,530
Wisconsin	-	70	357	99	54	-	580	374	1,825	396	13	10	6	2,624	374	1,895	753	112	64	6	3,204
Wyoming	530	278	19	-	-	-	827	1,460	388	82	22	3	4	1,959	1,990	666	101	22	3	4	2,786
U.S. Total	8,178	11,863	9,264	1,406	1,608	566	32,885	38,075	33,582	10,989	1,010	900	1,077	85,633	46,253	45,445	20,253	2,416	2,508	1,643	118,518
Puerto Rico	11	15	46	26	15	2	115	21	14	3	-	-	-	38	32	29	49	26	15	2	153
Grand Total	8,189	11,878	9,310	1,432	1,623	568	33,000	38,096	33,596	10,992	1,010	900	1,077	85,671	46,285	45,474	20,302	2,442	2,523	1,645	118,671

For footnotes, see Footnotes Page.

NATIONAL HIGHWAY SYSTEM LENGTH - 2002
MILES BY VOLUME - SERVICE FLOW RATIO - URBAN 1/

TABLE HM-42
 SHEET 2 OF 2

OCTOBER 2003

STATE	VOLUME-SERVICE FLOW RATIO (V/SF)																				
	INTERSTATE SYSTEM							OTHER							TOTAL						
	< 0.21	0.21-0.40	0.41-0.70	0.71-0.79	0.80-0.95	> 0.95	TOTAL	< 0.21	0.21-0.40	0.41-0.70	0.71-0.79	0.80-0.95	> 0.95	TOTAL	< 0.21	0.21-0.40	0.41-0.70	0.71-0.79	0.80-0.95	> 0.95	TOTAL
Alabama	-	37	141	20	39	56	293	81	325	229	33	21	28	717	81	362	370	53	60	84	1,010
Alaska	1	14	28	2	5	2	52	10	25	16	5	5	9	70	11	39	44	7	10	11	122
Arizona	9	40	56	16	22	29	172	26	140	168	43	19	9	405	35	180	224	59	41	38	577
Arkansas	-	39	89	19	20	21	188	61	72	56	30	9	7	235	61	111	145	49	29	28	423
California	11	32	152	166	255	483	1,099	70	179	451	113	280	415	1,508	81	211	603	279	535	898	2,607
Colorado	2	56	55	9	32	31	185	57	172	230	53	98	20	630	59	228	285	62	130	51	815
Connecticut	-	25	94	55	90	39	303	21	106	198	45	42	45	457	21	131	292	100	132	84	760
Delaware	-	4	26	5	4	2	41	3	5	46	5	3	4	66	3	9	72	10	7	6	107
Dist. of Columbia	-	-	6	1	-	5	12	-	5	32	6	18	7	68	-	5	38	7	18	12	80
Florida	3	24	195	48	134	116	520	53	293	432	98	123	73	1,072	56	317	627	146	257	189	1,592
Georgia	7	91	181	74	51	33	437	248	356	188	18	3	8	821	255	447	369	92	54	41	1,258
Hawaii	2	9	23	4	4	6	48	5	31	72	6	3	7	124	7	40	95	10	7	13	172
Idaho	5	29	26	5	9	11	85	13	41	31	7	5	2	99	18	70	57	12	14	13	184
Illinois	-	156	133	62	53	250	654	120	424	798	91	149	94	1,676	120	580	931	153	202	344	2,330
Indiana	6	114	118	29	33	17	317	29	134	150	44	19	8	384	35	248	268	73	52	25	701
Iowa	2	20	71	11	29	14	147	145	158	49	4	7	-	363	147	178	120	15	36	14	510
Kansas	4	55	70	10	14	25	178	53	105	47	3	10	10	228	57	160	117	13	24	35	406
Kentucky	-	15	93	26	47	48	229	34	107	144	20	51	31	387	34	122	237	46	98	79	616
Louisiana	19	13	109	28	18	50	237	52	120	140	10	73	91	486	71	133	249	38	91	141	723
Maine	14	20	17	1	2	-	54	9	75	41	4	5	2	136	23	95	58	5	7	2	190
Maryland	1	8	36	31	41	136	253	5	55	209	23	44	72	408	6	63	245	54	85	208	661
Massachusetts	1	55	136	44	62	106	404	32	300	354	99	156	120	1,061	33	355	490	143	218	226	1,465
Michigan	9	53	180	75	115	67	499	53	253	594	93	103	71	1,167	62	306	774	168	218	138	1,666
Minnesota	4	12	37	13	59	106	231	43	94	139	35	79	72	462	47	106	176	48	138	178	693
Mississippi	1	29	46	12	25	16	129	40	98	100	8	17	15	278	41	127	146	20	42	31	407
Missouri	5	43	103	59	77	87	374	58	173	264	49	31	34	609	63	216	367	108	108	121	983
Montana	18	37	-	-	-	-	55	18	18	25	2	1	-	64	36	55	25	2	1	-	119
Nebraska	2	7	17	4	10	6	46	33	75	86	17	17	9	237	35	82	103	21	27	15	283
Nevada	12	5	25	7	17	12	78	5	30	32	15	12	10	104	17	35	57	22	29	22	182
New Hampshire	-	-	21	2	7	17	47	3	32	58	11	4	8	116	3	32	79	13	11	25	163
New Jersey	1	16	71	55	81	89	313	12	167	373	96	134	289	1,071	13	183	444	151	215	378	1,384
New Mexico	18	43	26	7	9	6	109	68	87	29	4	8	5	201	86	130	55	11	17	11	310
New York	32	127	244	87	64	168	722	108	353	673	86	137	278	1,635	140	480	917	173	201	446	2,357
North Carolina	-	4	89	46	104	127	370	41	91	181	57	82	32	484	41	95	270	103	186	159	854
North Dakota	18	16	7	-	-	-	41	24	18	20	4	1	1	68	42	34	27	4	1	1	109
Ohio	5	31	184	112	201	210	743	108	316	356	52	63	31	926	113	347	540	164	264	241	1,669
Oklahoma	4	37	74	31	33	29	208	73	118	53	13	30	16	303	77	155	127	44	63	45	511
Oregon	7	23	30	10	32	44	146	28	46	143	38	37	30	322	35	69	173	48	69	74	468
Pennsylvania	13	65	250	61	97	66	552	109	468	564	72	159	71	1,443	122	533	814	133	256	137	1,995
Rhode Island	-	-	19	-	6	23	48	11	25	61	14	10	12	133	11	25	80	14	16	35	181
South Carolina	2	5	77	21	31	21	157	19	129	201	34	65	22	470	21	134	278	55	96	43	627
South Dakota	6	28	15	-	-	-	49	21	20	12	3	4	-	60	27	48	27	3	4	-	109
Tennessee	1	30	114	18	94	82	339	37	246	231	42	50	37	643	38	276	345	60	144	119	982
Texas	38	145	274	124	183	273	1,037	482	858	1,291	206	327	492	3,656	520	1,003	1,565	330	510	765	4,693
Utah	6	28	39	28	31	36	168	3	70	97	21	19	11	221	9	98	136	49	50	47	389
Vermont	4	14	20	-	2	-	40	6	17	18	2	6	5	54	10	31	38	2	8	5	94
Virginia	20	33	135	27	65	108	388	76	317	302	64	70	26	855	96	350	437	91	135	134	1,243
Washington	1	24	80	50	65	43	263	61	158	182	32	55	77	565	62	182	262	82	120	120	828
West Virginia	-	35	53	3	2	-	93	10	54	34	8	8	2	116	10	89	87	11	10	2	209
Wisconsin	-	19	79	13	19	30	160	49	296	253	51	42	45	736	49	315	332	64	61	75	896
Wyoming	49	38	1	-	-	-	88	40	33	7	-	-	-	80	89	71	8	-	-	-	168
U.S. Total	363	1,803	4,165	1,531	2,393	3,146	13,401	2,766	7,888	10,460	1,889	2,714	2,763	28,480	3,129	9,691	14,625	3,420	5,107	5,909	41,881
Puerto Rico	1	21	71	11	27	20	151	8	12	35	8	14	15	92	9	33	106	19	41	35	243
Grand Total	364	1,824	4,236	1,542	2,420	3,166	13,552	2,774	7,900	10,495	1,897	2,728	2,778	28,572	3,138	9,724	14,731	3,439	5,148	5,944	42,124

For footnotes, see Footnotes Page.

NATIONAL HIGHWAY SYSTEM LENGTH - 2002

MILES BY VOLUME - SERVICE FLOW RATIO

HM-42 Footnotes Page:

1/ In 2001, updated capacity (service flow) calculation procedures were instituted in the HPMS data reporting process. The procedures are based on the Highway Capacity Manual 2000, published by the Transportation Research Board. For multilane facilities volume-service flow ratio is determined by dividing the peak traffic in the peak direction by the capacity. For all other facilities the ratio is determined by dividing the peak traffic by the capacity. Peak traffic is estimated as $AADT * K$, where K is the design hour volume (30th highest hour) as a percent of AADT. Some differences from other tables may be noted because these are estimated from sample data and do not include samples entirely on structures.