

**FUNCTIONAL SYSTEM LENGTH - 2000 1/
MILES BY VOLUME - SERVICE FLOW RATIO - RURAL**

TABLE HM-61
SHEET 1 OF 4

OCTOBER 2001

STATE	VOLUME-SERVICE FLOW RATIO (V/SF)													
	INTERSTATE							OTHER PRINCIPAL ARTERIAL						
	< 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	7	197	353	15	16	11	599	877	919	231	46	10	-	2,083
Alaska	667	248	83	5	12	14	1,029	626	179	4	-	-	-	809
Arizona	174	443	359	14	4	3	997	315	530	234	43	16	45	1,183
Arkansas	-	234	215	12	4	1	466	681	849	479	6	112	14	2,141
California	196	409	578	64	89	21	1,357	784	1,311	1,220	92	125	170	3,702
Colorado	355	199	131	22	56	5	768	649	855	470	37	89	141	2,241
Connecticut	-	35	48	2	16	-	101	39	67	101	12	39	4	262
Delaware	-	-	-	-	-	-	-	6	52	136	7	7	1	209
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	5	401	439	42	59	6	952	1,373	1,845	411	62	21	-	3,712
Georgia	161	355	268	19	3	-	806	1,841	617	274	18	47	-	2,797
Hawaii	-	-	6	-	-	-	6	-	28	66	12	7	11	124
Idaho	269	231	24	-	-	2	526	534	765	326	30	12	21	1,688
Illinois	381	834	261	9	20	7	1,512	1,610	985	12	-	5	1	2,613
Indiana	124	576	151	-	1	-	852	330	848	467	43	32	6	1,726
Iowa	122	280	198	33	1	1	635	2,100	1,238	148	-	-	-	3,486
Kansas	212	437	44	-	-	-	693	2,093	914	131	10	13	-	3,161
Kentucky	-	142	242	86	57	6	533	972	607	326	68	38	36	2,047
Louisiana	122	168	266	1	1	-	558	394	533	289	-	8	10	1,234
Maine	127	72	88	1	9	16	313	212	345	167	56	7	1	788
Maryland	6	57	103	24	25	15	230	34	190	240	22	46	15	547
Massachusetts	10	51	63	6	28	5	163	63	115	112	16	4	-	310
Michigan	89	354	263	22	12	-	740	898	1,190	506	101	47	23	2,765
Minnesota	232	148	228	18	3	52	681	1,089	1,628	707	99	40	24	3,587
Mississippi	156	295	98	6	2	-	557	1,173	619	106	-	1	-	1,899
Missouri	10	199	469	34	58	37	807	714	1,726	547	45	45	28	3,105
Montana	984	151	-	-	-	-	1,135	2,090	438	87	7	-	-	2,622
Nebraska	104	262	67	4	-	-	437	2,156	534	19	-	4	-	2,713
Nevada	356	82	11	3	28	-	480	1,037	272	55	11	4	17	1,396
New Hampshire	27	51	73	7	4	15	177	25	146	211	25	28	24	459
New Jersey	4	21	48	22	12	12	119	46	116	205	49	22	95	533
New Mexico	389	355	130	11	1	7	893	865	755	168	21	-	8	1,817
New York	173	311	351	17	83	5	940	519	872	305	62	44	50	1,852
North Carolina	-	184	322	70	53	20	649	507	1,025	585	44	39	42	2,242
North Dakota	524	7	-	-	-	-	531	2,869	61	-	-	-	-	2,930
Ohio	2	146	548	82	37	14	829	762	1,044	304	29	37	56	2,232
Oklahoma	496	200	25	-	-	-	721	1,698	565	107	-	2	-	2,372
Oregon	180	241	144	12	2	-	579	979	996	592	68	104	86	2,825
Pennsylvania	103	737	303	24	40	-	1,207	703	1,085	554	34	68	37	2,481
Rhode Island	-	-	5	13	-	1	19	40	12	12	-	-	1	65
South Carolina	-	58	430	61	97	22	668	435	639	324	37	13	16	1,464
South Dakota	383	233	13	-	-	-	629	2,095	393	43	8	-	-	2,539
Tennessee	50	325	321	2	28	10	736	746	742	294	4	6	60	1,852
Texas	952	654	501	55	31	19	2,212	3,684	2,142	756	109	77	128	6,896
Utah	454	281	34	1	-	-	770	353	321	267	3	20	44	1,008
Vermont	96	100	84	-	-	-	280	46	122	136	7	7	-	318
Virginia	10	139	401	83	42	50	725	541	796	152	21	-	44	1,554
Washington	185	191	91	23	8	4	502	951	893	174	45	6	11	2,080
West Virginia	79	224	152	-	-	-	455	673	331	51	18	8	-	1,081
Wisconsin	-	108	408	20	36	6	578	880	1,844	595	21	21	3	3,364
Wyoming	590	223	13	-	-	-	826	1,451	434	95	1	1	3	1,985
U.S. Total	9,566	11,649	9,453	945	978	387	32,978	45,558	35,533	13,801	1,449	1,282	1,276	98,899
Puerto Rico	5	22	56	1	15	2	101	34	40	22	-	4	-	100
Grand Total	9,571	11,671	9,509	946	993	389	33,079	45,592	35,573	13,823	1,449	1,286	1,276	98,999

**FUNCTIONAL SYSTEM LENGTH - 2000 1/
MILES BY VOLUME - SERVICE FLOW RATIO - RURAL**

TABLE HM-61
SHEET 2 OF 4

OCTOBER 2001

STATE	VOLUME SERVICE FLOW RATIO (V/SF)													
	MINOR ARTERIAL							MAJOR COLLECTOR						
	< 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	2,755	735	121	47	33	-	3,691	11,584	232	43	-	-	-	11,859
Alaska	412	13	11	-	-	-	436	1,348	58	11	-	-	-	1,417
Arizona	690	288	190	22	1	63	1,254	3,902	454	91	29	5	2	4,483
Arkansas	1,770	1,068	176	5	-	-	3,019	11,948	446	111	-	-	8	12,513
California	3,976	1,840	698	79	142	234	6,969	10,841	1,746	441	27	20	25	13,100
Colorado	2,404	658	428	48	88	3	3,629	5,789	146	36	-	9	11	5,991
Connecticut	134	226	105	31	-	-	496	946	229	38	-	-	-	1,213
Delaware	24	52	36	1	4	4	121	331	174	45	2	1	-	553
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	1,687	741	136	19	1	-	2,584	3,879	443	38	-	-	-	4,360
Georgia	4,405	994	201	-	-	2	5,602	12,878	381	312	14	61	49	13,695
Hawaii	179	101	83	-	13	-	376	258	85	15	-	-	-	358
Idaho	966	217	90	10	-	-	1,283	5,229	95	30	-	-	1	5,355
Illinois	3,511	1,311	-	-	-	-	4,822	13,256	900	24	2	-	-	14,182
Indiana	776	1,088	365	4	-	4	2,237	7,750	2,411	544	26	8	-	10,739
Iowa	3,554	401	2	-	-	-	3,957	14,129	176	5	-	-	-	14,310
Kansas	4,088	215	2	-	-	-	4,305	22,816	236	4	-	2	-	23,058
Kentucky	499	761	294	12	7	29	1,602	4,840	1,583	501	8	43	18	6,993
Louisiana	977	407	189	6	-	45	1,624	5,883	750	325	-	9	-	6,967
Maine	414	420	172	18	21	2	1,047	2,715	400	134	-	-	-	3,249
Maryland	270	345	261	47	30	-	953	1,169	478	179	-	9	23	1,858
Massachusetts	430	167	70	3	-	2	672	1,627	150	19	-	-	-	1,796
Michigan	2,122	1,352	560	27	3	48	4,112	14,912	1,727	304	6	-	14	16,963
Minnesota	4,936	1,178	222	61	14	21	6,432	15,842	311	42	-	-	-	16,195
Mississippi	3,242	468	113	10	2	-	3,835	11,580	428	63	-	9	-	12,080
Missouri	2,370	745	308	-	17	6	3,446	17,106	693	113	-	2	-	17,914
Montana	2,915	53	21	-	-	-	2,989	7,001	34	3	-	-	-	7,038
Nebraska	3,982	222	6	-	2	-	4,212	11,405	100	23	11	-	-	11,539
Nevada	660	25	5	6	21	1	718	1,964	228	4	-	1	4	2,201
New Hampshire	168	210	57	14	30	6	485	865	232	59	-	30	-	1,186
New Jersey	101	199	157	15	8	14	494	1,073	303	179	5	-	5	1,565
New Mexico	1,281	414	145	3	11	13	1,867	3,433	423	87	4	-	4	3,951
New York	2,051	1,797	257	9	-	7	4,121	4,799	1,163	132	-	11	3	6,108
North Carolina	909	953	1,003	21	88	38	3,012	5,901	1,938	631	4	170	24	8,668
North Dakota	2,505	8	-	-	-	-	2,513	11,305	11	-	-	-	-	11,316
Ohio	1,050	1,020	714	-	42	4	2,830	9,403	1,912	440	92	42	-	11,889
Oklahoma	2,346	390	13	-	-	-	2,749	20,790	525	39	-	-	-	21,354
Oregon	1,708	288	156	19	30	8	2,209	8,647	399	111	-	-	-	9,157
Pennsylvania	2,586	1,980	424	15	91	11	5,107	6,806	1,035	194	-	34	-	8,069
Rhode Island	39	32	4	-	-	-	75	161	15	-	1	-	-	177
South Carolina	1,687	1,408	524	2	15	20	3,656	6,982	941	181	-	34	4	8,142
South Dakota	3,094	200	56	-	-	-	3,350	12,348	111	8	4	-	-	12,471
Tennessee	1,411	1,341	553	47	7	55	3,414	4,664	520	103	-	-	58	5,345
Texas	6,460	2,430	668	47	21	24	9,650	33,575	1,937	456	111	21	58	36,158
Utah	1,100	361	21	23	23	8	1,536	3,083	153	66	3	-	3	3,308
Vermont	278	324	114	2	6	10	734	1,738	242	31	-	-	2	2,013
Virginia	1,285	1,458	619	99	32	1	3,494	7,702	1,542	422	-	17	61	9,744
Washington	1,532	339	70	11	23	2	1,977	7,466	852	61	-	-	-	8,379
West Virginia	799	491	233	11	-	-	1,534	5,088	770	122	3	-	14	5,997
Wisconsin	2,974	1,805	193	12	-	-	4,984	13,187	388	28	-	-	1	13,604
Wyoming	1,262	48	4	4	-	-	1,318	2,415	21	3	-	-	-	2,439
U.S. Total	90,774	33,587	10,850	810	826	685	137,532	394,359	30,527	6,851	352	538	392	433,019
Puerto Rico	59	91	98	11	16	12	287	501	184	112	9	-	-	806
Grand Total	90,833	33,678	10,948	821	842	697	137,819	394,860	30,711	6,963	361	538	392	433,825

**FUNCTIONAL SYSTEM LENGTH - 2000 1/
MILES BY VOLUME - SERVICE FLOW RATIO - URBAN**

TABLE HM-61
SHEET 3 OF 4

OCTOBER 2001

STATE	VOLUME-SERVICE FLOW RATIO (V/SF)																				
	INTERSTATE							OTHER FREEWAYS AND EXPRESSWAYS							OTHER PRINCIPAL ARTERIAL						
	< 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	-	74	150	31	29	21	305	-	1	10	3	3	2	19	134	440	259	57	70	40	1,000
Alaska	1	24	18	5	3	2	53	-	-	-	-	-	-	-	3	18	16	5	5	8	55
Arizona	2	53	67	11	19	19	171	7	27	51	25	7	9	126	110	332	423	53	61	41	1,020
Arkansas	3	67	88	6	15	10	189	18	34	23	3	2	6	86	97	201	184	40	37	26	585
California	10	41	260	101	321	363	1,096	38	185	356	155	281	328	1,343	356	1,265	2,628	393	645	652	5,939
Colorado	41	44	38	15	24	21	183	16	60	47	61	36	3	223	116	260	248	46	115	91	876
Connecticut	-	17	92	54	47	36	246	20	49	71	11	23	22	196	20	131	259	31	77	87	605
Delaware	-	1	28	3	5	4	41	-	-	11	1	-	1	13	9	38	77	-	8	2	134
Dist. of Columbia	-	1	3	1	7	1	13	-	2	5	5	5	3	20	3	16	33	5	15	19	91
Florida	-	48	208	49	68	144	517	19	144	216	24	24	31	458	125	720	1,169	203	252	182	2,651
Georgia	24	120	209	47	29	7	436	51	56	37	10	9	1	164	366	592	545	148	58	49	1,758
Hawaii	3	14	18	4	8	1	48	-	5	12	13	3	-	33	5	37	66	9	15	6	138
Idaho	5	32	29	6	9	4	85	-	-	-	-	-	-	-	45	84	70	27	29	7	262
Illinois	17	164	243	79	96	42	641	23	21	31	3	2	-	80	202	698	1,051	133	270	261	2,615
Indiana	7	125	134	15	9	26	316	32	74	18	4	5	4	137	136	323	617	142	163	155	1,536
Iowa	4	41	81	5	8	7	146	-	-	-	-	-	-	-	485	192	39	-	-	1	717
Kansas	16	57	70	7	21	7	178	25	47	46	10	5	3	136	136	286	172	13	24	13	644
Kentucky	-	27	119	17	39	26	228	24	31	15	2	14	4	90	32	156	247	54	74	96	659
Louisiana	20	49	93	16	36	18	232	4	11	6	5	-	5	31	129	197	215	84	42	166	833
Maine	7	23	14	4	3	2	53	3	9	6	-	-	-	18	10	82	53	4	11	16	176
Maryland	4	10	63	37	81	57	252	12	34	91	26	44	28	235	62	171	356	46	137	89	861
Massachusetts	4	75	158	47	71	49	404	8	69	79	27	12	4	199	65	326	531	129	234	266	1,551
Michigan	10	69	222	58	111	29	499	14	52	106	24	21	8	225	221	334	839	136	202	241	1,973
Minnesota	5	14	47	29	69	67	231	-	16	35	16	35	45	147	87	183	154	34	36	60	554
Mississippi	6	31	59	7	19	6	128	12	25	4	-	-	-	41	114	254	207	38	57	14	684
Missouri	16	43	128	39	96	50	372	54	61	128	40	14	23	320	125	358	376	86	65	43	1,053
Montana	33	24	-	-	-	-	57	-	-	-	-	-	-	-	34	63	62	7	5	4	175
Nebraska	2	11	22	1	8	-	44	3	5	5	3	-	1	17	83	106	147	17	20	39	412
Nevada	12	9	20	9	26	4	80	4	11	11	4	8	5	43	10	78	88	17	18	16	227
New Hampshire	-	2	27	2	6	10	47	-	7	27	1	1	4	40	13	38	81	8	22	9	171
New Jersey	2	50	105	43	49	52	301	12	51	107	49	37	53	309	37	246	467	54	147	362	1,313
New Mexico	26	45	23	5	7	2	108	3	-	-	-	-	-	3	211	141	83	12	44	28	519
New York	33	163	259	49	99	112	715	103	195	219	25	91	158	791	201	548	936	182	229	344	2,440
North Carolina	10	17	165	50	74	60	376	24	80	91	31	27	28	281	83	319	593	118	134	121	1,368
North Dakota	23	11	6	-	-	-	40	-	-	-	-	-	-	-	57	59	40	5	3	1	165
Ohio	4	38	285	154	143	115	739	42	166	123	18	13	19	381	223	743	614	90	166	110	1,946
Oklahoma	58	113	37	-	-	-	208	64	41	32	-	-	-	137	618	109	76	4	-	1	808
Oregon	14	25	33	19	28	21	140	-	4	15	10	9	14	52	67	229	232	61	48	19	656
Pennsylvania	14	127	249	62	62	36	550	80	178	151	29	37	11	486	154	585	967	159	211	190	2,266
Rhode Island	-	6	16	2	11	14	49	6	8	35	6	7	6	68	31	145	101	13	30	31	351
South Carolina	1	4	73	10	57	13	158	7	18	15	15	-	16	71	30	174	282	40	91	80	697
South Dakota	11	27	11	-	-	-	49	-	-	11	-	-	-	-	44	38	35	9	3	4	133
Tennessee	5	47	115	57	51	63	338	10	31	53	10	9	7	120	95	404	568	72	77	102	1,318
Texas	53	187	283	138	186	174	1,021	97	208	392	73	101	329	1,200	1,008	1,290	1,579	236	330	497	4,940
Utah	25	24	92	17	7	2	167	-	3	3	-	2	-	8	10	88	120	18	19	23	278
Vermont	6	17	15	2	-	-	40	7	7	5	-	1	-	20	2	26	45	12	8	5	98
Virginia	1	52	167	39	52	74	385	16	59	97	1	3	20	196	80	304	387	16	73	165	1,025
Washington	15	44	156	36	12	-	263	19	76	150	22	16	30	313	88	245	375	110	102	178	1,098
West Virginia	5	64	23	1	-	-	93	5	3	1	-	-	-	9	26	73	62	16	18	8	203
Wisconsin	-	40	68	18	9	24	159	13	60	73	12	13	10	181	146	437	382	66	120	171	1,322
Wyoming	71	16	1	-	-	-	88	3	-	-	-	-	-	3	107	69	25	2	3	1	207
U.S. Total	629	2,427	4,890	1,407	2,130	1,795	13,278	898	2,224	3,009	777	920	1,241	9,069	6,651	14,251	19,181	3,260	4,623	5,140	53,106
Puerto Rico	1	21	74	12	11	27	146	5	9	27	7	3	2	53	13	36	105	28	31	29	242
Grand Total	630	2,448	4,964	1,419	2,141	1,822	13,424	903	2,233	3,036	784	923	1,243	9,122	6,664	14,287	19,286	3,288	4,654	5,169	53,348

**FUNCTIONAL SYSTEM LENGTH - 2000 1/
MILES BY VOLUME - SERVICE FLOW RATIO - URBAN**

TABLE HM-61
SHEET 4 OF 4

OCTOBER 2001

STATE	VOLUME SERVICE FLOW RATIO (V/SF)													
	MINOR ARTERIAL							COLLECTOR						
	< 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	976	690	227	31	26	31	1,981	1,486	461	132	18	4	52	2,153
Alaska	57	60	48	11	14	13	203	134	49	36	-	5	4	228
Arizona	435	412	307	54	59	29	1,296	1,175	263	217	28	37	19	1,739
Arkansas	514	285	169	40	57	20	1,085	688	163	50	13	13	4	931
California	1,729	2,843	3,926	339	997	597	10,431	3,930	3,190	1,969	189	331	431	10,040
Colorado	376	572	242	46	76	114	1,426	536	334	287	18	32	126	1,333
Connecticut	278	539	445	104	66	46	1,478	565	364	168	24	56	23	1,200
Delaware	23	67	52	5	7	6	160	67	62	73	10	6	1	219
Dist. of Columbia	12	25	66	24	20	24	171	25	40	31	17	18	22	153
Florida	376	679	1,103	278	346	329	3,111	1,482	1,629	1,696	319	240	440	5,806
Georgia	1,039	985	705	27	89	130	2,975	1,107	398	510	40	22	47	2,124
Hawaii	22	35	48	5	3	3	116	85	93	96	14	26	26	340
Idaho	153	164	162	24	41	10	554	339	121	85	10	7	4	566
Illinois	583	911	1,061	229	388	704	3,876	1,492	992	578	139	222	446	3,869
Indiana	292	566	794	108	255	428	2,443	1,105	424	407	53	90	125	2,204
Iowa	644	417	240	43	30	3	1,377	562	276	80	23	11	-	952
Kansas	360	378	230	6	58	41	1,073	660	227	78	29	6	21	1,021
Kentucky	236	313	303	58	80	191	1,181	492	381	193	4	8	68	1,146
Louisiana	533	442	294	80	50	175	1,574	873	223	150	22	16	28	1,312
Maine	28	101	87	9	33	23	281	193	117	109	9	33	23	484
Maryland	179	290	546	89	67	28	1,199	634	313	172	41	30	131	1,321
Massachusetts	835	1,107	563	97	250	248	3,100	1,288	717	373	25	116	9	2,528
Michigan	704	870	949	190	279	422	3,414	1,222	658	471	56	39	97	2,543
Minnesota	319	677	712	152	62	161	2,083	636	397	309	39	35	96	1,512
Mississippi	162	175	255	35	22	37	686	503	330	133	7	6	17	996
Missouri	564	496	446	65	97	114	1,782	793	399	292	56	19	53	1,612
Montana	76	99	45	1	2	5	228	217	50	22	9	-	1	299
Nebraska	125	163	133	22	37	66	546	138	159	62	24	10	25	418
Nevada	106	185	135	20	36	41	523	377	172	82	29	66	22	748
New Hampshire	64	146	152	20	23	26	431	95	71	67	16	16	16	281
New Jersey	540	947	950	111	260	195	3,003	508	725	622	129	79	93	2,156
New Mexico	145	87	74	19	5	17	347	289	118	41	11	1	3	463
New York	652	1,540	1,560	183	661	397	4,993	1,164	1,060	1,028	65	187	501	4,005
North Carolina	425	709	666	183	191	162	2,336	900	360	220	71	48	70	1,669
North Dakota	113	78	54	9	7	5	266	134	59	23	2	6	1	225
Ohio	671	889	1,400	163	213	139	3,475	1,422	1,350	429	118	68	52	3,439
Oklahoma	1,657	187	79	-	-	-	1,923	957	29	1	-	-	-	987
Oregon	427	309	207	23	43	24	1,033	904	218	97	11	25	23	1,278
Pennsylvania	410	985	1,221	76	166	447	3,305	1,403	1,192	675	153	139	187	3,749
Rhode Island	45	152	114	16	13	13	353	361	117	47	4	-	-	529
South Carolina	122	258	307	82	117	104	990	603	361	276	68	54	95	1,457
South Dakota	92	114	54	3	7	2	272	134	34	24	2	2	2	198
Tennessee	340	668	633	94	147	245	2,127	714	464	275	42	75	92	1,662
Texas	2,091	1,900	1,577	323	503	566	6,960	4,324	2,352	1,483	253	205	392	9,009
Utah	84	190	146	24	41	21	506	250	100	148	25	13	10	546
Vermont	42	65	34	5	3	2	151	136	55	21	-	-	-	212
Virginia	366	654	516	54	145	213	1,948	917	497	278	15	49	91	1,847
Washington	640	554	549	99	195	104	2,141	962	579	361	37	49	53	2,041
West Virginia	78	121	118	33	29	39	418	325	66	34	10	5	6	446
Wisconsin	293	493	560	142	155	379	2,022	581	406	322	50	97	56	1,512
Wyoming	80	61	12	3	-	-	156	347	87	42	-	9	5	490
U.S. Total	21,113	25,653	25,276	3,857	6,471	7,139	89,509	40,234	23,302	15,375	2,347	2,631	4,109	87,998
Puerto Rico	59	123	166	37	58	69	512	171	207	95	13	21	90	597
Grand Total	21,172	25,776	25,442	3,894	6,529	7,208	90,021	40,405	23,509	15,470	2,360	2,652	4,199	88,595

1/ In 1999, updated capacity (service flow) calculation procedures were instituted in the HPMS data reporting process. The procedures are based on the Highway Capacity Manual, Third Edition, 1998, published by the Transportation Research Board. Some differences from other tables may be noted because these values are estimated from sample data and do not include samples entirely on structures.