

**FUNCTIONAL SYSTEM LENGTH - 2007 1/
MILES BY VOLUME - SERVICE FLOW RATIO - RURAL**

TABLE HM-61
SHEET 1 OF 4

OCTOBER 2008

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	-	110	291	68	62	12	543	507	1,274	319	8	8	35	2,151
Alaska	629	225	118	4	34	3	1,013	598	205	3	-	-	-	806
Arizona	63	604	281	24	7	1	980	399	498	266	2	-	1	1,166
Arkansas	-	123	281	38	6	12	460	970	876	269	5	112	2	2,234
California	13	302	484	129	263	90	1,281	652	1,427	987	194	129	124	3,513
Colorado	198	353	105	8	21	-	685	1,110	810	271	53	34	40	2,318
Connecticut	-	9	21	8	5	-	43	17	58	68	4	14	3	164
Delaware	-	-	-	-	-	-	-	3	61	77	4	20	1	166
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	-	278	451	11	9	-	749	1,021	1,453	295	47	15	22	2,853
Georgia	10	178	273	141	89	24	715	1,628	849	129	3	7	5	2,621
Hawaii	-	-	-	6	-	-	6	-	55	38	10	9	-	112
Idaho	240	282	-	-	-	-	522	988	640	63	14	6	9	1,720
Illinois	411	741	187	-	8	10	1,357	1,804	476	58	-	-	-	2,338
Indiana 2/	94	491	91	14	17	-	707	624	959	144	1	-	1	1,729
Iowa	31	312	228	49	6	1	627	2,158	1,252	54	-	-	-	3,464
Kansas	312	300	31	-	-	-	643	2,174	841	50	-	-	-	3,065
Kentucky	-	163	352	26	12	-	553	850	1,021	345	77	39	9	2,341
Louisiana	24	195	243	7	7	-	476	267	556	168	2	-	-	993
Maine	137	116	40	6	-	-	299	174	461	147	-	-	5	787
Maryland	37	32	55	11	27	22	184	105	124	179	5	13	17	443
Massachusetts	7	26	31	9	1	17	91	49	45	52	-	20	-	166
Michigan	63	303	168	74	-	-	608	986	1,277	282	6	12	22	2,585
Minnesota 3/	199	104	228	42	27	61	661	1,008	2,039	575	14	49	10	3,695
Mississippi	33	336	68	14	34	7	492	999	568	304	-	-	12	1,883
Missouri	80	300	332	9	1	-	722	950	1,626	462	44	16	23	3,121
Montana	912	218	-	-	-	-	1,130	1,910	644	63	5	-	-	2,622
Nebraska	81	222	112	6	-	-	421	2,192	481	21	-	-	-	2,694
Nevada	346	54	25	-	1	25	451	977	228	160	9	2	35	1,411
New Hampshire	21	98	23	3	-	6	151	41	140	167	7	2	4	361
New Jersey	-	7	23	5	17	13	65	23	88	68	19	52	3	253
New Mexico	332	338	171	2	-	1	844	1,247	485	78	3	-	28	1,841
New York	303	189	245	64	5	29	835	586	655	234	54	5	9	1,543
North Carolina	25	12	263	79	120	42	541	154	929	728	40	43	68	1,962
North Dakota	397	123	-	-	-	-	520	2,808	123	-	-	-	-	2,931
Ohio	42	140	428	33	63	17	723	1,048	794	100	24	3	-	1,969
Oklahoma	63	414	156	28	20	2	683	1,469	779	68	2	-	-	2,318
Oregon	75	261	200	4	11	4	555	1,210	988	501	11	33	39	2,782
Pennsylvania	42	516	405	50	55	3	1,071	680	892	375	14	2	-	1,963
Rhode Island	-	-	-	5	13	1	19	14	29	5	-	-	-	48
South Carolina	578	-	-	-	-	-	578	1,281	-	-	-	-	-	1,281
South Dakota	603	-	-	-	-	-	603	2,533	-	-	-	-	-	2,533
Tennessee	28	103	364	126	52	14	687	723	876	248	11	14	-	1,872
Texas	688	757	602	20	77	36	2,180	3,185	2,846	836	51	30	73	7,021
Utah	309	254	154	8	-	-	725	227	490	194	6	2	66	985
Vermont	92	117	70	-	-	1	280	32	187	89	3	1	7	319
Virginia	51	212	363	23	17	-	666	783	488	127	2	-	8	1,408
Washington	3	190	214	44	17	-	468	731	863	350	3	33	-	1,980
West Virginia	20	152	113	22	18	50	375	518	409	51	4	22	46	1,050
Wisconsin	478	-	-	-	-	-	478	3,185	-	-	-	-	-	3,185
Wyoming	493	305	19	-	-	-	817	1,464	390	88	5	32	10	1,989
U.S. Total	8,563	10,565	8,309	1,220	1,122	504	30,283	49,062	33,255	10,156	766	779	737	94,755
Puerto Rico	-	6	23	-	-	1	30	4	34	13	-	1	-	52
Grand Total	8,563	10,571	8,332	1,220	1,122	505	30,313	49,066	33,289	10,169	766	780	737	94,807

For footnotes, see Footnotes Page.

**FUNCTIONAL SYSTEM LENGTH - 2007 1/
MILES BY VOLUME - SERVICE FLOW RATIO - RURAL**

TABLE HM-61
SHEET 2 OF 4

OCTOBER 2008

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	1,921	1,711	170	-	13	1	3,816	10,861	849	10	2	7	-	11,729
Alaska	412	11	19	2	-	-	444	1,248	150	37	-	1	-	1,436
Arizona	695	397	169	13	10	74	1,358	3,360	780	129	11	5	16	4,301
Arkansas	1,897	788	263	1	4	-	2,953	11,024	1,415	18	4	53	-	12,514
California	3,567	1,660	1,158	134	41	53	6,613	10,323	1,872	424	3	39	6	12,667
Colorado	2,764	605	187	61	107	34	3,758	5,353	61	80	-	-	-	5,494
Connecticut	71	141	29	4	1	3	249	699	224	25	-	2	-	950
Delaware	38	42	18	1	1	3	103	331	102	21	-	3	1	458
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	1,347	856	152	-	33	11	2,399	3,391	608	105	-	-	7	4,111
Georgia	3,412	1,400	371	23	-	6	5,212	10,924	1,495	211	-	42	20	12,692
Hawaii	100	131	63	-	-	3	297	246	49	16	-	-	-	311
Idaho	1,145	208	22	-	1	-	1,376	5,385	270	20	-	-	-	5,675
Illinois	3,997	415	292	-	-	5	4,709	12,986	765	33	-	2	-	13,786
Indiana 2/	1,075	1,051	96	-	1	-	2,223	8,334	1,701	680	7	42	-	10,764
Iowa	3,606	303	2	-	-	-	3,911	14,155	157	27	-	-	-	14,339
Kansas	3,934	350	-	-	-	-	4,284	22,871	12	-	-	-	-	22,883
Kentucky	367	901	340	2	60	55	1,725	4,020	1,837	232	21	13	47	6,170
Louisiana	768	598	129	92	2	-	1,589	3,919	591	154	8	-	-	4,672
Maine	371	523	103	14	2	-	1,013	2,665	481	70	2	3	-	3,221
Maryland	230	430	159	21	-	-	840	942	440	149	2	-	-	1,533
Massachusetts	275	78	53	-	-	-	406	1,058	80	-	-	-	-	1,138
Michigan	2,823	1,936	158	-	9	32	4,958	14,758	1,729	142	-	-	10	16,639
Minnesota 3/	4,915	1,728	240	27	-	1	6,911	15,630	522	60	3	-	-	16,215
Mississippi	2,281	1,002	400	3	-	7	3,693	10,405	1,050	207	-	5	-	11,667
Missouri	2,663	874	379	7	12	26	3,961	15,110	1,085	212	46	-	-	16,453
Montana	2,745	209	26	-	-	1	2,981	6,948	79	32	-	-	3	7,062
Nebraska	3,689	479	-	-	-	-	4,168	11,339	127	5	-	1	7	11,479
Nevada	643	42	15	-	8	29	737	1,994	68	-	-	12	-	2,074
New Hampshire	110	265	80	3	6	4	468	770	254	69	-	-	2	1,095
New Jersey	151	97	60	-	-	5	313	477	436	49	-	4	-	966
New Mexico	1,288	353	197	62	-	35	1,935	3,538	112	134	-	-	93	3,877
New York	2,075	1,336	298	-	31	3	3,743	4,658	943	78	-	-	12	5,691
North Carolina	510	781	599	294	225	199	2,608	4,327	2,195	956	21	407	88	7,994
North Dakota	2,515	1	-	-	-	-	2,516	11,503	16	-	-	-	-	11,519
Ohio	1,648	921	86	-	-	-	2,655	9,324	1,878	129	-	-	-	11,331
Oklahoma	2,191	494	-	-	-	-	2,685	20,713	506	8	2	-	-	21,229
Oregon	1,864	358	110	12	1	16	2,361	7,688	451	153	-	-	-	8,292
Pennsylvania	2,243	1,807	450	-	40	-	4,540	5,940	1,220	63	-	-	-	7,223
Rhode Island	21	42	3	-	-	-	66	103	43	-	-	-	-	146
South Carolina	3,288	-	-	-	-	-	3,288	10,484	-	-	-	-	-	10,484
South Dakota	3,336	-	-	-	-	-	3,336	12,444	-	-	-	-	-	12,444
Tennessee	1,196	1,329	668	6	-	-	3,199	4,072	889	147	-	-	-	5,108
Texas	5,729	3,863	365	13	6	26	10,002	32,618	2,510	692	1	8	11	35,840
Utah	730	445	133	73	2	108	1,491	2,556	381	136	-	86	34	3,193
Vermont	197	344	172	-	13	1	727	1,503	432	56	11	-	5	2,007
Virginia	1,959	1,156	274	12	8	3	3,412	7,919	1,185	187	-	-	3	9,294
Washington	1,257	500	108	-	-	-	1,865	7,457	606	106	3	-	-	8,172
West Virginia	603	291	268	-	42	134	1,338	4,473	996	136	-	29	4	5,638
Wisconsin	4,832	-	-	-	-	-	4,832	12,579	-	-	-	-	-	12,579
Wyoming	1,117	85	14	4	1	-	1,221	2,798	77	3	-	-	-	2,878
U.S. Total	90,611	33,337	8,898	884	680	878	135,288	378,223	33,729	6,201	147	764	369	419,433
Puerto Rico	107	87	5	6	27	-	232	186	43	4	5	6	-	244
Grand Total	90,718	33,424	8,903	890	707	878	135,520	378,409	33,772	6,205	152	770	369	419,677

For footnotes, see Footnotes Page.

**FUNCTIONAL SYSTEM LENGTH - 2007 1/
MILES BY VOLUME - SERVICE FLOW RATIO - URBAN**

TABLE HM-61
SHEET 4 OF 4

OCTOBER 2008

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	1,050	789	296	18	27	15	2,195	1,340	606	139	10	21	31	2,147
Alaska	85	54	45	16	6	1	207	210	83	47	3	1	-	344
Arizona	461	546	491	99	110	86	1,793	774	464	286	31	6	70	1,631
Arkansas	485	363	191	18	5	35	1,097	663	196	68	15	12	12	966
California	2,358	3,176	3,197	455	841	599	10,626	4,310	3,357	2,303	433	424	271	11,098
Colorado	581	562	395	47	53	21	1,659	890	494	247	46	51	61	1,789
Connecticut	337	686	450	52	65	71	1,661	881	539	363	3	10	54	1,850
Delaware	20	76	73	12	7	3	191	155	81	100	11	8	12	367
Dist. of Columbia	19	58	50	6	11	21	165	15	68	46	5	11	10	155
Florida	481	1,158	1,603	214	241	322	4,019	1,907	2,224	1,622	215	346	505	6,819
Georgia	1,164	1,528	1,038	78	238	184	4,230	1,214	736	421	125	89	79	2,664
Hawaii	20	38	45	4	4	6	117	128	134	95	25	8	1	391
Idaho	218	205	152	16	41	18	650	367	155	65	5	7	11	610
Illinois	993	1,377	1,212	217	163	367	4,329	1,799	1,056	1,204	123	78	226	4,486
Indiana 2/	514	667	720	120	238	176	2,435	875	671	420	68	67	114	2,215
Iowa	699	547	237	36	26	3	1,548	579	250	124	20	43	36	1,052
Kansas	516	386	351	28	63	54	1,398	751	300	266	6	32	26	1,381
Kentucky	287	320	277	75	29	28	1,016	460	312	148	24	10	6	960
Louisiana	643	554	424	67	89	97	1,874	1,227	461	358	30	96	23	2,195
Maine	47	109	64	5	7	1	233	371	125	34	1	2	1	534
Maryland	294	491	498	74	38	30	1,425	709	600	245	67	101	21	1,743
Massachusetts	1,418	1,322	657	108	168	86	3,759	1,752	675	329	37	85	33	2,911
Michigan	1,291	1,996	1,190	120	81	94	4,772	1,961	957	458	25	43	50	3,494
Minnesota 3/	480	798	635	77	114	179	2,283	1,042	359	360	24	128	91	2,004
Mississippi	282	302	189	48	26	34	881	852	277	181	39	31	33	1,413
Missouri	874	519	344	37	32	120	1,926	1,761	266	127	9	64	65	2,292
Montana	107	81	44	2	8	2	244	178	121	16	2	4	1	322
Nebraska	299	200	172	22	11	50	754	170	172	71	20	4	25	462
Nevada	120	175	212	48	43	31	629	347	100	83	32	5	59	626
New Hampshire	105	192	132	24	17	26	496	199	131	95	15	17	49	506
New Jersey	1,122	1,027	806	42	267	220	3,484	1,266	759	543	71	9	111	2,759
New Mexico	370	168	52	12	10	-	612	1,209	161	101	-	10	13	1,494
New York	1,317	2,384	1,319	178	238	260	5,696	2,016	1,530	1,055	121	401	300	5,423
North Carolina	884	876	932	189	158	124	3,163	1,589	613	467	88	59	64	2,880
North Dakota	147	67	61	4	11	4	294	168	82	22	1	6	10	289
Ohio	1,323	1,254	968	149	127	79	3,900	2,530	1,276	676	43	43	63	4,631
Oklahoma	1,594	350	185	10	2	-	2,141	964	71	14	1	-	-	1,050
Oregon	283	390	235	61	76	74	1,119	901	562	234	38	77	67	1,879
Pennsylvania	813	1,605	1,099	165	75	198	3,955	2,597	1,186	1,096	86	123	240	5,328
Rhode Island	87	169	97	4	5	-	362	451	109	39	5	10	-	614
South Carolina	1,454	-	-	-	-	-	1,454	2,399	-	-	-	-	-	2,399
South Dakota	372	-	-	-	-	-	372	250	-	-	-	-	-	250
Tennessee	514	701	785	64	175	214	2,453	910	638	342	96	98	93	2,177
Texas	2,002	2,092	1,732	352	377	468	7,023	4,423	2,275	1,571	393	303	500	9,465
Utah	285	243	177	33	52	23	813	477	139	153	6	11	13	799
Vermont	61	52	23	4	8	4	152	185	27	3	1	-	-	216
Virginia	470	874	655	36	93	86	2,214	1,304	593	359	1	25	52	2,334
Washington	855	810	623	89	143	50	2,570	1,135	665	406	22	76	34	2,338
West Virginia	191	280	176	18	13	44	722	504	143	55	11	1	2	716
Wisconsin	2,432	-	-	-	-	-	2,432	2,175	-	-	-	-	-	2,175
Wyoming	92	40	28	6	-	1	167	316	113	52	10	13	3	507
U.S. Total	32,916	32,657	25,337	3,559	4,632	4,609	103,710	55,656	26,912	17,509	2,463	3,069	3,541	109,150
Puerto Rico	299	358	203	49	44	57	1,010	795	240	127	17	17	38	1,234
Grand Total	33,215	33,015	25,540	3,608	4,676	4,666	104,720	56,451	27,152	17,636	2,480	3,086	3,579	110,384

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2007

MILES BY VOLUME - SERVICE FLOW RATIO

HM-61 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 values are estimated from sample data and do not include samples entirely on structures.
- 2/ Excludes 788 miles of Federal agency owned roads.
- 3/ Excludes 437 miles of local government owned roads.