

# FUNCTIONAL SYSTEM LENGTH - 1996 1/

## MILES BY VOLUME - SERVICE FLOW RATIO - RURAL

TABLE HM-61  
SHEET 1 OF 4

OCTOBER 1997

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	8	243	314	10	15	9	599	890	971	196	9	-	-	2,066
Alaska	683	247	81	6	15	1	1,033	641	159	10	-	-	-	810
Arizona	748	242	6	-	-	-	996	587	471	114	-	14	-	1,186
Arkansas	-	152	240	1	7	-	400	939	840	375	14	19	13	2,200
California	282	274	581	57	81	70	1,345	774	1,267	1,259	136	86	165	3,687
Colorado	271	293	81	14	65	44	768	704	937	380	77	61	44	2,203
Connecticut	-	42	51	4	2	2	101	25	71	114	22	27	4	263
Delaware	-	-	-	-	-	-	-	14	98	64	9	26	5	216
Dist. of Columbia 2/	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	27	424	382	17	97	11	958	1,413	1,743	543	6	4	9	3,718
Georgia	36	130	340	135	78	88	807	1,713	590	308	33	107	42	2,793
Hawaii	-	-	-	-	-	-	-	-	14	77	9	25	-	125
Idaho	283	226	19	1	3	-	532	778	646	213	16	18	13	1,684
Illinois	401	910	176	4	30	-	1,521	1,764	854	13	7	-	-	2,638
Indiana	108	633	108	4	-	-	853	365	814	445	33	33	9	1,699
Iowa	109	297	225	3	-	-	634	2,120	1,185	108	-	-	-	3,413
Kansas	373	293	32	-	-	-	698	2,301	786	80	4	-	-	3,171
Kentucky	21	126	286	57	29	17	536	900	657	269	58	77	51	2,012
Louisiana	146	200	265	-	-	-	611	387	696	128	3	-	-	1,214
Maine	135	94	55	4	17	8	313	166	439	152	15	15	-	787
Maryland 2/	-	47	111	24	36	9	227	81	267	133	37	28	3	549
Massachusetts	15	47	65	18	17	-	162	102	100	110	-	-	7	319
Michigan	60	385	233	40	13	9	740	755	1,226	562	122	35	55	2,755
Minnesota	214	198	164	23	34	48	681	1,368	1,387	623	24	96	75	3,573
Mississippi	164	288	97	8	-	1	558	1,244	540	43	-	12	-	1,839
Missouri	168	400	227	11	3	-	809	1,526	1,335	165	18	4	4	3,052
Montana	959	178	-	-	-	-	1,137	2,090	399	108	16	9	-	2,622
Nebraska	116	255	66	-	-	-	437	2,250	454	23	2	-	-	2,729
Nevada	363	77	15	1	24	-	480	1,034	301	48	4	-	2	1,389
New Hampshire	39	61	60	2	2	12	176	32	125	164	27	45	61	454
New Jersey	-	7	65	18	7	22	119	32	103	151	64	100	83	533
New Mexico	411	332	149	-	-	-	892	889	776	126	4	1	1	1,797
New York	88	295	327	27	60	-	797	637	920	320	13	69	41	2,000
North Carolina	-	191	333	62	47	6	639	569	956	469	79	72	68	2,213
North Dakota	515	16	-	-	-	-	531	2,870	59	1	-	-	-	2,930
Ohio	7	154	506	79	84	-	830	935	876	352	25	24	4	2,216
Oklahoma	131	427	151	2	10	-	721	1,860	495	11	1	-	-	2,367
Oregon	236	207	124	10	4	1	582	1,184	860	639	44	59	44	2,830
Pennsylvania	193	695	269	11	39	-	1,207	942	966	443	89	23	16	2,479
Rhode Island	-	-	17	4	-	-	21	45	6	10	-	-	2	63
South Carolina	-	105	452	52	44	18	671	527	677	212	1	24	5	1,446
South Dakota	486	139	4	-	-	-	629	2,052	429	53	5	3	-	2,542
Tennessee	18	186	519	6	2	8	739	551	886	331	27	5	7	1,807
Texas	960	721	408	91	19	5	2,204	4,023	1,974	662	31	50	15	6,755
Utah	541	202	27	-	1	-	771	418	352	171	14	36	17	1,008
Vermont	105	138	37	-	-	-	280	27	154	125	10	1	-	317
Virginia	8	130	400	67	90	17	712	651	624	179	23	17	40	1,534
Washington	115	169	115	44	45	13	501	942	889	210	22	11	12	2,086
West Virginia	89	198	172	-	-	-	459	552	319	159	2	20	-	1,052
Wisconsin	17	156	270	58	30	44	575	443	1,928	909	42	28	8	3,358
Wyoming	606	220	-	-	-	-	826	1,235	319	68	3	6	1	1,632
U.S. Total	10,255	11,450	8,625	975	1,050	463	32,818	48,347	33,940	12,428	1,200	1,290	926	98,131
Puerto Rico	4	39	56	3	-	-	102	14	40	43	2	2	-	101
Grand Total	10,259	11,489	8,681	978	1,050	463	32,920	48,361	33,980	12,471	1,202	1,292	926	98,232

**FUNCTIONAL SYSTEM LENGTH - 1996 1/  
MILES BY VOLUME - SERVICE FLOW RATIO - RURAL**

TABLE HM-61  
SHEET 2 OF 4

OCTOBER 1997

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	2,890	657	139	18	-	-	3,704	11,372	245	65	35	-	-	11,717
Alaska	416	16	10	-	-	-	442	1,295	72	15	-	-	-	1,382
Arizona	825	292	69	66	1	5	1,258	4,172	272	13	26	1	21	4,505
Arkansas	2,262	475	178	60	10	4	2,989	12,118	342	71	-	24	1	12,556
California	3,965	1,822	696	143	179	99	6,904	11,086	1,517	265	38	55	53	13,014
Colorado	2,611	710	312	12	3	27	3,675	5,708	220	36	25	-	3	5,992
Connecticut	154	247	63	22	8	4	498	956	131	90	-	30	-	1,207
Delaware	32	46	13	1	2	11	105	438	87	24	-	2	-	551
Dist. of Columbia 2/	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	1,681	736	95	50	7	17	2,586	4,257	256	18	-	-	11	4,542
Georgia	4,057	1,309	199	-	4	5	5,574	12,199	1,212	175	14	11	44	13,655
Hawaii	173	116	52	11	8	14	374	271	59	20	-	-	-	350
Idaho	1,024	216	51	-	5	-	1,296	5,205	48	21	-	-	-	5,274
Illinois	3,675	1,122	17	-	-	-	4,814	13,420	755	12	-	-	-	14,187
Indiana	902	1,118	183	16	1	14	2,234	6,699	3,318	680	1	-	-	10,698
Iowa	3,535	406	12	-	-	-	3,953	13,890	394	10	-	-	-	14,294
Kansas	4,067	224	8	-	-	2	4,301	22,674	286	4	-	3	3	22,970
Kentucky	478	768	258	67	5	45	1,621	4,933	1,596	285	55	59	41	6,969
Louisiana	794	650	119	20	5	35	1,623	6,420	412	155	53	3	4	7,047
Maine	503	359	175	19	-	14	1,070	2,830	290	84	-	-	-	3,204
Maryland 2/	246	381	290	28	-	5	950	1,384	323	74	63	12	-	1,856
Massachusetts	417	199	39	6	2	2	665	1,628	153	4	-	11	-	1,796
Michigan	1,937	1,559	422	28	59	19	4,024	15,214	1,348	364	33	24	2	16,985
Minnesota	5,357	743	178	-	15	78	6,371	15,704	355	97	4	1	3	16,164
Mississippi	3,360	470	79	1	-	-	3,910	11,570	476	32	7	-	24	12,109
Missouri	2,809	499	82	8	-	-	3,398	17,376	539	56	-	3	33	18,007
Montana	2,891	89	10	-	-	-	2,990	7,020	17	14	16	5	1	7,073
Nebraska	4,093	82	19	2	2	-	4,198	11,417	65	18	16	-	-	11,516
Nevada	633	44	15	2	7	14	715	1,838	87	29	10	2	1	1,967
New Hampshire	178	172	96	2	16	26	490	885	225	88	2	-	-	1,200
New Jersey	84	180	120	8	28	68	488	1,108	278	170	7	4	13	1,580
New Mexico	1,314	406	140	12	2	-	1,874	3,316	379	101	-	110	50	3,956
New York	2,171	1,520	353	8	64	-	4,116	5,028	997	88	2	5	4	6,124
North Carolina	1,091	1,191	541	67	56	53	2,999	6,349	1,531	478	16	162	98	8,634
North Dakota	2,513	-	-	-	-	-	2,513	11,179	-	-	-	-	-	11,179
Ohio	1,165	1,050	468	36	112	11	2,842	9,353	1,423	675	267	44	88	11,850
Oklahoma	2,507	235	5	-	3	-	2,750	21,099	250	4	-	-	-	21,353
Oregon	1,613	267	141	-	17	8	2,046	8,550	627	16	15	7	3	9,218
Pennsylvania	2,893	1,748	348	59	50	18	5,116	7,213	700	145	-	-	-	8,058
Rhode Island	44	34	1	-	1	-	80	161	8	8	-	-	-	177
South Carolina	1,954	1,221	436	16	6	28	3,661	7,431	451	242	11	-	-	8,135
South Dakota	3,218	108	9	-	5	-	3,340	12,291	123	43	-	11	5	12,473
Tennessee	1,958	1,039	359	58	-	2	3,416	4,718	503	90	45	30	-	5,386
Texas	7,120	1,961	329	4	16	24	9,454	34,024	1,443	277	11	10	1	35,766
Utah	1,182	255	56	16	24	2	1,535	3,057	227	19	1	-	6	3,310
Vermont	329	284	92	18	7	4	734	1,596	322	71	-	3	-	1,992
Virginia	1,172	1,653	583	17	6	1	3,432	7,555	1,182	950	27	27	3	9,744
Washington	1,564	294	106	4	4	9	1,981	7,521	754	48	27	24	-	8,374
West Virginia	858	502	176	6	13	9	1,564	5,232	682	89	-	13	-	6,016
Wisconsin	2,665	1,726	578	12	25	5	5,011	13,298	241	27	-	-	13	13,579
Wyoming	1,553	113	3	2	4	-	1,675	2,399	25	3	-	-	-	2,427
U.S. Total	94,933	31,314	8,723	925	782	682	137,359	396,457	27,246	6,363	827	696	529	432,118
Puerto Rico	79	96	93	3	15	7	293	542	150	61	5	14	-	772
Grand Total	95,012	31,410	8,816	928	797	689	137,652	396,999	27,396	6,424	832	710	529	432,890



**FUNCTIONAL SYSTEM LENGTH - 1996 1/  
MILES BY VOLUME - SERVICE FLOW RATIO - URBAN**

TABLE HM-61  
SHEET 4 OF 4

OCTOBER 1997

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	1,032	669	209	32	16	16	1,974	1,576	267	231	1	18	70	2,163
Alaska	84	53	46	5	12	4	204	157	49	12	8	3	-	229
Arizona	372	410	256	65	108	64	1,275	1,139	248	205	54	63	40	1,749
Arkansas	491	283	145	60	13	12	1,004	751	114	57	-	7	-	929
California	2,567	3,055	2,750	892	625	399	10,288	4,911	2,525	1,753	366	238	232	10,025
Colorado	464	448	373	17	60	43	1,405	583	485	165	35	27	14	1,309
Connecticut	329	549	372	66	70	96	1,482	654	329	127	9	60	11	1,190
Delaware	14	55	58	9	5	18	159	42	79	73	-	12	17	223
Dist. of Columbia 2/	3	61	60	26	4	18	172	28	34	48	14	11	17	152
Florida	571	933	913	151	216	244	3,028	2,139	1,795	1,385	105	221	261	5,906
Georgia	881	843	826	139	151	104	2,944	783	630	503	24	79	90	2,109
Hawaii	7	26	50	6	13	16	118	75	76	93	27	25	43	339
Idaho	173	147	99	30	12	15	476	297	111	76	8	7	11	510
Illinois	697	860	1,181	199	310	580	3,827	1,435	789	640	130	249	519	3,762
Indiana	473	510	612	255	279	292	2,421	1,348	392	269	65	67	62	2,203
Iowa	444	371	289	65	75	112	1,356	538	236	105	16	12	24	931
Kansas	473	293	190	4	52	58	1,070	739	197	27	26	9	11	1,009
Kentucky	247	354	301	38	85	141	1,166	412	317	244	41	12	120	1,146
Louisiana	469	370	437	83	160	86	1,605	550	414	118	3	94	128	1,307
Maine	34	96	82	24	26	17	279	252	113	66	9	9	35	484
Maryland 2/	181	324	500	86	32	72	1,195	590	303	201	11	79	121	1,305
Massachusetts	956	1,127	626	201	144	49	3,103	1,350	563	360	108	146	7	2,534
Michigan	663	1,041	877	197	354	303	3,435	1,269	651	391	63	55	93	2,522
Minnesota	490	586	543	48	153	273	2,093	777	425	238	14	34	40	1,528
Mississippi	149	248	188	20	34	31	670	494	316	151	9	8	2	980
Missouri	582	543	508	25	31	40	1,729	973	313	242	77	1	-	1,606
Montana	84	86	33	2	8	3	216	157	61	59	6	2	8	293
Nebraska	153	168	112	11	40	54	538	159	136	71	13	22	9	410
Nevada	145	188	186	35	22	38	614	363	227	222	13	34	43	902
New Hampshire	87	145	129	11	11	43	426	130	100	33	3	7	11	284
New Jersey	615	1,081	979	84	195	132	3,086	722	578	527	169	87	82	2,165
New Mexico	144	93	56	12	7	11	323	288	126	37	2	1	-	454
New York	516	2,168	1,147	708	349	109	4,997	1,535	1,777	522	21	117	54	4,026
North Carolina	514	672	640	103	175	214	2,318	994	309	203	28	42	92	1,668
North Dakota	144	61	36	10	3	11	265	154	47	17	-	-	3	221
Ohio	741	860	1,203	200	249	335	3,588	1,188	1,384	686	99	114	86	3,557
Oklahoma	1,139	496	227	25	29	3	1,919	866	96	19	-	1	-	982
Oregon	419	315	171	28	23	26	982	799	243	116	9	11	8	1,186
Pennsylvania	528	1,113	1,002	120	180	339	3,282	1,640	1,044	685	82	85	218	3,754
Rhode Island	106	92	61	10	5	5	279	416	72	17	-	-	-	505
South Carolina	142	316	293	79	124	44	998	836	277	225	40	57	31	1,466
South Dakota	135	80	40	11	11	10	287	135	24	25	2	4	9	199
Tennessee	418	654	741	60	93	117	2,083	758	466	225	46	45	94	1,634
Texas	2,091	2,147	1,629	313	602	216	6,998	4,735	2,203	1,147	235	435	164	8,919
Utah	94	215	131	30	14	29	513	271	120	141	7	1	11	551
Vermont	21	60	49	1	16	2	149	124	57	18	8	-	4	211
Virginia	855	421	347	76	103	170	1,972	1,433	295	99	56	19	32	1,934
Washington	637	564	611	128	90	113	2,143	995	533	349	56	61	45	2,039
West Virginia	87	106	113	13	58	42	419	292	70	55	7	15	6	445
Wisconsin	435	752	459	110	96	146	1,998	865	420	149	9	35	13	1,491
Wyoming	83	47	17	2	-	2	151	348	79	31	4	6	4	472
U.S. Total	23,179	27,155	22,903	4,925	5,543	5,317	89,022	44,065	22,515	13,458	2,138	2,747	2,995	87,918
Puerto Rico	72	126	151	45	56	51	501	231	176	116	9	18	41	591
Grand Total	23,251	27,281	23,054	4,970	5,599	5,368	89,523	44,296	22,691	13,574	2,147	2,765	3,036	88,509

1/ In 1995, 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, 1994, published by the Transportation Research Board.

2/ 1995 data.