

VOLUME - SERVICE FLOW RATIO - RURAL - 1995 1/
MILES BY FUNCTIONAL SYSTEM

TABLE HM-61
SHEET 1 OF 4
OCTOBER 1996

COMPILED FROM REPORTS OF STATE AUTHORITIES

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	-	212	354	11	16	8	601	849	957	227	14	12	-	2,059
Alaska	664	242	99	7	19	1	1,032	642	166	2	-	-	-	810
Arizona	774	205	12	-	-	-	991	689	324	120	22	-	9	1,164
Arkansas	-	220	169	2	1	8	400	913	775	382	104	1	15	2,190
California	293	139	578	116	135	85	1,346	690	1,350	1,222	100	175	154	3,691
Colorado	290	274	69	7	58	70	768	709	839	457	53	82	60	2,200
Connecticut	-	31	53	5	10	2	101	29	54	124	32	6	19	264
Delaware	-	-	-	-	-	-	-	7	72	111	6	12	8	216
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	95	394	361	41	45	10	946	1,504	1,574	353	12	-	-	3,443
Georgia	32	206	383	117	69	-	807	1,536	732	325	49	50	98	2,790
Hawaii 2/	-	-	-	-	-	-	-	-	14	96	5	1	9	125
Idaho	286	224	20	2	-	-	532	801	625	224	12	6	15	1,683
Illinois	408	938	149	5	28	-	1,528	1,708	902	10	8	-	6	2,634
Indiana	167	500	171	-	14	-	852	363	786	465	10	38	38	1,700
Iowa 2/	49	324	175	4	81	1	634	2,015	1,257	133	-	-	-	3,405
Kansas	286	371	41	-	-	-	698	2,332	738	97	-	-	-	3,167
Kentucky	18	151	242	86	30	9	536	915	620	268	28	108	75	2,014
Louisiana	121	275	212	4	-	-	612	334	633	229	11	2	4	1,213
Maine	130	96	58	1	15	10	310	167	425	158	13	19	-	782
Maryland	-	47	111	22	34	13	227	81	252	148	29	33	6	549
Massachusetts	11	53	62	19	17	-	162	97	114	53	24	30	-	318
Michigan	98	303	303	25	-	11	740	795	1,155	561	101	96	45	2,753
Minnesota	212	198	187	8	36	40	681	1,278	1,396	651	69	103	80	3,577
Mississippi	59	349	117	16	17	-	558	972	668	143	-	6	6	1,795
Missouri	24	431	312	27	16	-	810	1,489	1,344	158	44	1	7	3,043
Montana	978	159	-	-	-	-	1,137	2,023	466	116	15	2	-	2,622
Nebraska	135	254	48	-	-	-	437	2,151	552	26	16	-	-	2,745
Nevada	324	115	16	2	23	-	480	960	361	69	-	1	1	1,392
New Hampshire	39	68	54	1	5	9	176	32	123	175	47	25	52	454
New Jersey	-	4	60	27	8	18	117	35	95	185	43	81	89	528
New Mexico	425	331	136	-	-	-	892	860	723	202	4	10	5	1,804
New York	87	290	334	26	59	-	796	652	898	299	20	72	59	2,000
North Carolina	55	143	372	19	42	-	631	502	957	549	94	72	41	2,215
North Dakota	446	84	-	-	-	-	530	2,877	53	-	-	-	-	2,930
Ohio	12	161	555	94	8	-	830	921	850	395	35	13	5	2,219
Oklahoma	122	434	153	11	1	-	721	1,865	490	11	1	-	-	2,367
Oregon	215	242	112	7	5	1	582	1,026	1,076	616	45	54	18	2,835
Pennsylvania	187	631	224	3	36	-	1,081	946	1,057	462	29	100	19	2,613
Rhode Island	-	1	16	-	4	-	21	31	17	12	-	1	2	63
South Carolina	-	102	449	40	39	41	671	488	734	207	10	2	5	1,446
South Dakota	290	318	21	-	-	-	629	2,039	426	70	3	2	1	2,541
Tennessee	17	346	358	9	9	-	739	517	871	366	10	16	5	1,785
Texas	990	602	467	47	85	12	2,203	4,205	1,804	655	56	19	-	6,739
Utah	517	211	43	-	-	-	771	404	263	234	35	20	52	1,008
Vermont	88	152	40	-	-	-	280	28	130	131	22	7	-	318
Virginia	8	159	368	71	62	40	708	773	478	202	20	7	48	1,528
Washington	37	224	193	6	41	-	501	968	872	184	16	24	30	2,094
West Virginia	84	209	166	-	-	-	459	553	335	127	5	30	2	1,052
Wisconsin	19	110	240	63	58	-	490	327	1,936	1,095	60	11	3	3,432
Wyoming	643	183	-	-	-	-	826	1,206	347	59	14	-	7	1,633
Total	9,735	11,716	8,663	951	1,126	389	32,580	47,304	33,686	13,164	1,346	1,350	1,098	97,948
Percent/System	29.9	35.9	26.6	2.9	3.5	1.2	100.0	48.3	34.4	13.4	1.4	1.4	1.1	100.0

VOLUME - SERVICE FLOW RATIO - RURAL - 1995 1/
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TABLE HM-61
SHEET 2 OF 4
OCTOBER 1996

COMPILED FROM REPORTS OF STATE AUTHORITIES

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	2,822	716	95	43	-	9	3,685	11,441	241	49	-	-	-	11,731
Alaska	404	34	4	-	-	-	442	1,144	105	19	1	2	-	1,271
Arizona	855	281	110	-	-	8	1,254	4,311	189	31	1	-	22	4,554
Arkansas	2,196	645	112	1	9	30	2,993	12,360	106	48	26	7	-	12,547
California	3,992	1,471	997	181	220	50	6,911	9,815	1,691	1,181	83	177	111	13,058
Colorado	2,451	862	319	6	23	16	3,677	5,737	190	50	-	-	6	5,983
Connecticut	114	252	94	1	21	16	498	888	211	28	-	18	3	1,148
Delaware	30	48	21	-	6	-	105	390	129	30	-	-	-	549
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	1,779	863	181	13	-	2	2,838	4,252	213	6	-	-	12	4,483
Georgia	3,889	1,274	378	-	2	17	5,560	12,136	1,243	181	-	35	38	13,633
Hawaii 2/	167	145	64	-	-	-	376	289	60	6	-	-	-	355
Idaho	887	248	60	-	2	3	1,200	5,291	55	27	-	-	-	5,373
Illinois	3,527	1,278	17	-	-	-	4,822	13,438	656	93	16	-	-	14,203
Indiana	1,162	921	155	-	2	7	2,247	8,605	1,566	515	-	-	-	10,686
Iowa 2/	3,423	527	4	-	-	-	3,954	14,142	152	-	-	-	-	14,294
Kansas	4,019	279	3	-	-	-	4,301	22,694	261	6	-	2	-	22,963
Kentucky	413	797	269	103	22	3	1,607	4,873	1,549	413	14	37	71	6,957
Louisiana	1,007	525	57	1	-	33	1,623	6,472	357	152	51	2	15	7,049
Maine	490	357	178	24	-	19	1,068	2,853	254	100	-	-	-	3,207
Maryland	236	362	282	69	-	1	950	1,385	322	74	63	12	-	1,856
Massachusetts	406	217	31	1	2	7	664	1,607	165	20	-	1	-	1,793
Michigan	1,966	1,458	486	29	44	16	3,999	15,110	1,699	190	14	11	2	17,026
Minnesota	5,098	743	235	-	7	80	6,163	15,479	437	53	-	-	-	15,969
Mississippi	2,870	910	139	1	-	-	3,920	11,293	707	95	12	3	13	12,123
Missouri	2,576	762	61	-	-	-	3,399	17,456	471	72	5	11	-	18,015
Montana	2,857	113	20	-	-	-	2,990	6,951	71	13	19	-	-	7,054
Nebraska	3,991	158	28	2	2	-	4,181	11,442	41	6	3	-	1	11,493
Nevada	632	49	2	2	3	27	715	1,828	123	-	9	2	4	1,966
New Hampshire	186	180	89	19	7	12	493	885	236	76	3	-	-	1,200
New Jersey	22	166	116	28	12	46	390	1,058	315	197	1	1	11	1,583
New Mexico	1,442	267	138	12	1	16	1,876	3,534	320	99	-	8	-	3,961
New York	2,211	1,529	394	-	15	-	4,149	5,271	718	64	2	-	5	6,060
North Carolina	902	1,030	885	19	55	77	2,968	6,623	1,591	275	26	91	18	8,624
North Dakota	2,513	-	-	-	-	-	2,513	11,152	-	-	-	-	-	11,152
Ohio	1,189	1,150	330	-	164	-	2,833	9,663	1,448	434	212	64	31	11,852
Oklahoma	2,509	177	60	1	-	-	2,747	21,089	217	-	-	-	-	21,306
Oregon	1,535	384	112	-	-	6	2,037	8,960	281	75	-	-	5	9,321
Pennsylvania	2,912	1,703	367	31	79	2	5,094	7,211	749	86	-	1	-	8,046
Rhode Island	27	38	12	1	2	-	80	174	10	9	-	-	-	193
South Carolina	2,023	1,182	401	19	6	30	3,661	7,430	495	204	-	-	-	8,129
South Dakota	3,225	108	11	-	-	-	3,344	12,326	86	42	-	17	-	12,471
Tennessee	1,836	1,096	448	34	-	3	3,417	4,557	726	59	11	31	-	5,384
Texas	7,225	1,906	305	3	6	2	9,447	34,291	1,237	171	11	12	1	35,723
Utah	1,213	220	41	10	56	2	1,542	3,002	182	19	-	11	1	3,215
Vermont	283	336	85	16	-	14	734	1,614	262	108	-	3	-	1,987
Virginia	1,005	1,621	731	-	75	-	3,432	7,654	1,215	779	72	27	-	9,747
Washington	1,429	451	75	25	9	4	1,993	7,478	457	440	-	-	-	8,375
West Virginia	887	441	217	8	1	11	1,565	5,384	538	84	-	9	4	6,019
Wisconsin	2,509	1,889	621	-	-	-	5,019	13,138	382	32	-	-	1	13,553
Wyoming	1,513	154	4	-	4	-	1,675	2,434	36	2	-	-	-	2,472
Total	92,855	32,323	9,844	703	857	569	137,151	398,610	24,765	6,713	655	594	375	431,712
Percent/System	67.7	23.6	7.2	0.5	0.6	0.4	100.0	92.3	5.7	1.6	0.2	0.1	0.1	100.0

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MILES BY FUNCTIONAL SYSTEM

TABLE HM-61
SHEET 3 OF 4
OCTOBER 1996

COMPILED FROM REPORTS OF STATE AUTHORITIES

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	-	87	122	50	28	16	303	-	1	-	9	5	4	1	21	199	411	261	31	32	38	972
Alaska	2	17	29	2	2	2	54	-	-	-	-	-	-	-	8	6	21	16	1	8	4	56
Arizona	51	62	54	-	11	-	178	21	21	23	3	7	6	81	173	304	322	82	69	75	1,025	
Arkansas	1	48	61	7	16	11	144	19	40	28	4	2	9	102	98	259	136	17	31	36	577	
California	21	42	165	101	185	562	1,076	42	105	323	103	293	462	1,328	217	778	2,631	778	767	689	5,860	
Colorado	36	27	34	24	15	49	185	17	50	70	20	37	23	217	134	189	276	74	90	79	842	
Connecticut	-	14	92	52	59	28	245	8	42	78	27	16	25	196	41	195	193	27	47	102	605	
Delaware	-	13	4	13	3	7	40	-	7	3	-	1	-	11	5	45	71	2	12	-	135	
Dist. of Columbia 3/	-	-	1	1	2	8	12	-	-	4	1	7	7	19	-	1	33	5	30	12	81	
Florida	8	91	174	45	73	135	526	33	101	175	18	15	47	389	163	639	845	193	387	428	2,655	
Georgia	1	10	129	60	80	155	435	21	74	23	9	28	16	171	397	639	534	67	85	40	1,762	
Hawaii 2/	3	2	14	5	5	14	43	-	4	7	2	2	19	34	4	28	72	8	14	9	135	
Idaho	16	21	35	5	4	-	81	-	-	-	-	-	-	-	39	76	65	25	12	5	222	
Illinois	20	133	196	50	81	155	635	23	23	27	1	7	1	82	309	757	957	184	164	222	2,593	
Indiana	20	129	115	13	20	22	319	59	33	24	3	5	8	132	237	364	473	88	210	176	1,548	
Iowa 2/	7	40	66	9	11	14	147	-	-	-	-	-	-	-	354	253	88	2	-	-	697	
Kansas	33	52	66	6	14	3	174	41	49	40	2	1	3	136	185	273	123	13	9	30	633	
Kentucky	1	31	93	17	37	47	226	30	26	11	10	8	8	93	63	194	187	50	40	98	632	
Louisiana	11	68	113	14	28	38	272	7	7	16	-	3	12	45	147	183	283	60	114	59	846	
Maine	11	24	15	2	2	1	55	4	6	8	-	-	-	18	13	49	50	13	23	25	173	
Maryland	1	17	72	51	61	53	255	21	44	70	45	40	9	229	53	209	386	54	93	62	857	
Massachusetts	2	85	168	42	53	53	403	16	52	72	28	18	11	197	102	516	519	132	122	166	1,557	
Michigan	7	61	219	37	119	57	500	18	53	88	23	21	15	218	215	506	786	151	101	214	1,973	
Minnesota	3	17	66	21	57	69	233	1	11	45	21	12	38	128	95	170	168	37	54	22	546	
Mississippi	5	33	51	6	22	10	127	24	17	-	-	-	-	41	139	244	174	37	20	15	629	
Missouri	4	23	74	48	82	137	368	32	55	114	20	26	35	282	100	241	376	129	178	85	1,109	
Montana	32	21	-	-	-	-	53	-	-	-	-	-	-	-	46	61	45	2	11	9	174	
Nebraska	3	14	11	6	8	1	43	2	4	7	1	3	-	17	121	140	101	14	19	22	417	
Nevada	22	9	21	10	12	9	83	-	4	5	6	5	3	23	32	76	66	4	21	32	231	
New Hampshire	-	3	31	2	7	5	48	1	12	21	1	5	2	42	15	51	68	9	13	16	172	
New Jersey	1	16	154	25	56	51	303	41	45	113	17	50	42	308	68	148	336	93	97	422	1,164	
New Mexico	27	47	16	3	7	8	108	3	-	-	-	-	-	3	196	148	95	17	29	20	505	
New York	30	163	271	41	102	95	702	102	288	142	55	66	177	830	180	520	1,057	215	225	318	2,515	
North Carolina	-	25	157	46	50	61	339	30	63	95	19	28	32	267	115	385	463	83	139	176	1,361	
North Dakota	24	9	7	-	-	-	40	-	-	-	-	-	-	-	53	62	35	2	7	5	164	
Ohio	3	75	279	103	99	183	742	75	125	105	27	11	22	365	226	669	646	128	148	168	1,985	
Oklahoma	13	63	75	15	33	10	209	41	27	38	4	4	20	134	343	317	103	25	15	5	808	
Oregon	17	30	29	9	32	29	146	2	6	18	3	6	17	52	92	264	180	29	24	20	609	
Pennsylvania	4	133	225	56	34	55	507	101	174	148	16	38	22	499	213	565	812	194	122	373	2,279	
Rhode Island	-	12	10	2	19	5	48	12	11	26	8	6	5	68	34	138	93	9	23	32	329	
South Carolina	3	12	70	27	38	8	158	8	12	32	6	7	-	65	53	206	293	25	62	58	697	
South Dakota	1	10	17	3	15	3	49	-	3	-	-	-	-	3	35	40	29	5	1	2	112	
Tennessee	1	52	93	52	38	87	323	14	45	29	-	18	8	114	149	466	460	68	42	108	1,293	
Texas	71	166	375	154	171	94	1,031	139	328	438	132	104	99	1,240	1,275	1,621	1,302	342	258	165	4,963	
Utah	18	28	92	22	8	1	169	1	4	-	-	2	1	8	21	117	114	1	6	11	270	
Vermont	7	21	12	-	-	-	40	6	6	5	-	2	-	19	4	22	39	5	8	19	97	
Virginia	6	59	173	25	75	60	398	41	43	50	31	18	40	223	121	360	301	73	109	175	1,139	
Washington	2	24	79	30	64	63	262	26	79	121	32	38	20	316	120	256	424	66	74	124	1,064	
West Virginia	1	42	35	2	9	2	91	1	8	1	-	-	-	10	23	56	51	9	28	36	203	
Wisconsin	11	26	37	17	44	14	149	24	55	89	8	13	2	191	216	503	372	81	60	89	1,321	
Wyoming	71	16	-	-	-	-	87	3	-	-	-	-	-	3	116	64	18	3	2	1	204	
Total	632	2,223	4,497	1,331	1,991	2,490	13,164	1,111	2,163	2,741	711	977	1,267	8,970	7,355	14,799	17,528	3,762	4,255	5,097	52,796	
Percent/System	4.8	16.9	34.2	10.1	15.1	18.9	100.0	12.4	24.1	30.6	7.9	10.9	14.1	100.0	13.9	28.0	33.2	7.1	8.1	9.7	100.0	

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	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	1,127	557	236	23	5	9	1,957	1,782	182	164	3	19	13	2,163
Alaska	76	59	52	4	5	7	203	144	50	14	-	2	5	215
Arizona	470	354	276	68	56	34	1,258	1,239	255	206	33	34	18	1,785
Arkansas	589	247	90	19	8	26	979	773	108	44	4	1	1	931
California	2,162	2,910	2,980	694	999	547	10,292	4,838	2,814	1,599	237	356	190	10,034
Colorado	589	508	224	22	36	36	1,415	724	427	101	4	17	29	1,302
Connecticut	424	508	347	34	44	127	1,484	718	274	143	9	34	4	1,182
Delaware	20	66	58	5	4	6	159	75	98	35	4	2	10	224
Dist. of Columbia 3/	1	24	59	17	36	30	167	20	45	30	7	16	34	152
Florida	449	1,043	698	153	280	374	2,997	1,944	1,710	1,344	180	461	406	6,045
Georgia	1,110	747	741	89	70	129	2,886	764	506	421	59	90	269	2,109
Hawaii 2/	7	25	42	14	20	10	118	104	83	92	10	19	29	337
Idaho	218	119	103	20	10	5	475	314	122	57	5	6	4	508
Illinois	776	1,010	1,115	213	239	470	3,823	1,541	776	685	172	74	482	3,730
Indiana	463	513	617	265	259	300	2,417	1,310	431	270	53	70	67	2,201
Iowa 2/	896	355	93	3	8	1	1,356	837	77	13	3	1	-	931
Kansas	530	306	128	7	17	78	1,066	759	151	22	23	17	1	973
Kentucky	385	320	283	16	38	123	1,165	518	320	179	36	20	80	1,153
Louisiana	507	354	434	78	126	108	1,607	617	315	154	95	63	69	1,313
Maine	35	95	76	28	25	18	277	253	113	67	18	28	6	485
Maryland	236	345	453	51	47	63	1,195	688	249	221	34	41	72	1,305
Massachusetts	1,182	1,031	439	194	103	140	3,089	1,722	387	137	23	154	91	2,514
Michigan	883	1,021	897	177	165	282	3,425	1,495	635	206	47	80	43	2,506
Minnesota	540	516	537	140	77	164	1,974	954	382	209	51	4	39	1,639
Mississippi	211	257	141	17	34	14	674	601	269	104	1	1	1	977
Missouri	482	565	572	59	31	16	1,725	971	317	240	74	1	-	1,603
Montana	109	71	20	4	8	5	217	173	84	19	2	4	3	285
Nebraska	174	177	98	25	20	40	534	201	128	51	6	13	12	411
Nevada	92	123	121	6	25	24	391	351	44	49	6	6	21	477
New Hampshire	94	140	130	12	12	38	426	128	103	34	4	9	4	282
New Jersey	746	1,262	549	104	80	331	3,072	671	534	470	94	112	80	1,961
New Mexico	175	76	49	8	11	5	324	317	122	15	-	5	-	459
New York	1,483	1,637	1,376	276	124	130	5,026	2,457	899	496	80	36	34	4,002
North Carolina	684	615	578	96	147	186	2,306	1,125	225	169	16	26	104	1,665
North Dakota	119	81	49	6	4	4	263	138	54	21	4	2	1	220
Ohio	1,052	826	1,124	104	108	365	3,579	1,624	1,031	519	77	127	101	3,479
Oklahoma	1,354	411	120	25	-	-	1,910	914	59	5	-	-	-	978
Oregon	550	309	137	4	7	22	1,029	1,001	168	74	16	8	4	1,271
Pennsylvania	677	1,170	877	139	81	354	3,298	1,988	997	431	36	102	189	3,743
Rhode Island	105	92	44	7	24	7	279	446	42	16	-	-	-	504
South Carolina	201	320	309	59	31	78	998	913	267	212	7	23	45	1,467
South Dakota	177	61	36	2	7	4	287	156	31	11	1	-	-	199
Tennessee	594	734	510	46	96	105	2,085	975	313	236	12	43	48	1,627
Texas	2,659	1,833	1,470	314	560	136	6,972	5,265	1,762	1,103	202	381	192	8,905
Utah	142	217	108	21	17	8	513	322	101	41	10	3	6	483
Vermont	48	59	36	1	2	5	151	141	45	16	4	3	1	210
Virginia	758	442	428	66	97	183	1,974	1,416	300	151	7	20	38	1,932
Washington	756	642	529	46	31	127	2,131	1,184	451	279	38	43	44	2,039
West Virginia	105	107	107	20	14	63	416	318	58	46	-	9	14	445
Wisconsin	594	696	407	59	73	166	1,995	949	390	117	28	8	6	1,498
Wyoming	93	42	11	1	2	2	151	374	65	23	2	3	5	472
Total	27,909	25,998	20,914	3,861	4,323	5,505	88,510	49,252	19,369	11,361	1,837	2,597	2,915	87,331
Percent/System	31.5	29.4	23.6	4.4	4.9	6.2	100.0	56.4	22.2	13.0	2.1	3.0	3.3	100.0

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 estimated by FHWA.

3/ 1994 data used (1995 data not available).