

**FUNCTIONAL SYSTEM LENGTH - 2007 1/  
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING**

OCTOBER 2008

TABLE HM-63  
SHEET 1 OF 3

STATE	RURAL MAJOR COLLECTOR												TOTAL
	INTERNATIONAL ROUGHNESS INDEX 2/						PRESENT SERVICEABILITY RATING 3/						
	<60	60-94	95-170	171-220	>220	TOTAL	>3.9	3.5-3.9	2.6-3.4	2.1-2.5	<=2.0	TOTAL	
Alabama	16	3,483	6,865	714	375	11,453	-	-	101	152	22	275	11,728
Alaska	66	160	526	35	51	838	-	-	-	-	-	-	838
Arizona	684	444	1,392	260	46	2,826	806	169	191	91	65	1,322	4,148
Arkansas	-	1,226	5,435	2,594	209	9,464	-	657	857	661	721	2,896	12,360
California	131	2,301	5,341	2,098	1,213	11,084	823	101	244	-	-	1,168	12,252
Colorado	-	1,270	1,055	241	16	2,582	327	688	666	243	86	2,010	4,592
Connecticut	-	43	567	171	875	1,656	60	6	9	-	-	75	950
Delaware	11	247	145	29	25	457	-	-	-	-	-	-	457
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	249	396	-	-	-	645	367	1,137	1,861	11	91	3,467	4,112
Georgia	1,761	120	7	-	-	1,888	2,668	2,115	4,011	1,416	354	10,564	12,452
Hawaii	-	-	170	80	61	311	-	-	-	-	-	-	311
Idaho	29	594	898	18	1	1,540	103	36	75	2,109	238	2,561	4,101
Illinois	40	-	-	-	-	40	3,861	2,420	4,158	2,272	698	13,409	13,449
Indiana 4/	1,828	3,840	3,071	146	-	8,885	217	218	605	253	572	1,865	10,750
Iowa	653	1,369	4,066	971	319	7,378	283	2,761	2,370	183	-	5,597	12,975
Kansas	251	2,113	2,092	-	-	4,456	111	2,137	9	5,304	538	8,099	12,555
Kentucky	-	1,530	4,499	99	41	6,169	-	-	-	-	-	-	6,169
Louisiana	136	1,591	2,006	750	190	4,673	-	-	-	-	-	-	4,673
Maine	11	1,140	1,228	465	375	3,219	-	-	-	-	-	-	3,219
Maryland	31	470	703	191	139	1,534	-	-	-	-	-	-	1,534
Massachusetts	693	112	194	138	2	1,139	-	-	-	-	-	-	1,139
Michigan	-	-	-	-	-	-	4,696	1,285	5,125	1,259	1,874	14,239	14,239
Minnesota 5/	2,072	4,782	7,023	2,006	333	16,216	-	-	-	-	-	-	16,216
Mississippi	51	1,080	8,624	1,417	353	11,525	-	-	-	-	-	-	11,525
Missouri	-	1,307	11,450	3,695	-	16,452	-	-	-	-	-	-	16,452
Montana	129	2,138	2,100	199	17	4,583	5	-	132	165	117	419	5,002
Nebraska	922	1,056	793	309	6	3,086	1,316	793	1,087	217	348	3,761	6,847
Nevada	467	456	997	66	15	2,001	-	-	-	-	-	-	2,001
New Hampshire	71	240	505	131	149	1,096	-	-	-	-	-	-	1,096
New Jersey	-	16	573	110	4	703	65	4	194	-	-	263	966
New Mexico	150	373	1,418	1,157	423	3,521	-	-	-	-	-	-	3,521
New York	305	1,556	3,042	261	505	5,669	-	-	-	-	-	-	5,669
North Carolina	107	2,740	3,905	69	103	6,924	466	216	350	27	10	1,069	7,993
North Dakota	253	1,048	1,348	179	-	2,828	1,214	1,290	1,100	651	87	4,342	7,170
Ohio	483	3,508	2,691	222	43	6,947	2,113	1,029	1,242	-	-	4,384	11,331
Oklahoma	18	2,258	7,474	2,483	4,384	16,617	207	-	-	-	-	207	16,824
Oregon	89	660	528	146	-	1,423	1,262	2,041	1,870	393	-	5,566	6,989
Pennsylvania	63	1,429	3,750	1,077	904	7,223	-	-	-	-	-	-	7,223
Rhode Island	-	3	72	20	3	98	6	13	7	18	3	47	145
South Carolina	162	1,997	7,132	559	634	10,484	-	-	-	-	-	-	10,484
South Dakota	217	370	1,410	264	234	2,495	1,903	386	2,543	131	513	5,476	7,971
Tennessee	688	2,217	1,925	2	177	5,009	72	-	28	-	-	100	5,109
Texas	915	6,194	25,868	2,473	335	35,785	-	13	14	-	28	55	35,840
Utah	15	246	1,433	233	22	1,949	-	737	42	15	22	816	2,765
Vermont	-	439	945	465	159	2,008	-	-	-	-	-	-	2,008
Virginia	-	320	3,217	6	-	3,543	1,845	1,544	1,679	527	156	5,751	9,294
Washington	51	1,045	1,710	407	1	3,214	1,317	1,353	1,624	163	290	4,747	7,961
West Virginia	96	465	2,868	1,001	1,208	5,638	-	-	-	-	-	-	5,638
Wisconsin	254	2,371	7,030	1,448	1,476	12,579	-	-	-	-	-	-	12,579
Wyoming	52	906	1,355	280	-	2,593	-	78	97	31	30	236	2,829
U.S. Total	14,220	63,669	151,446	29,685	14,645	273,665	26,113	23,328	32,342	16,162	6,841	104,786	378,451
Puerto Rico	-	-	36	40	88	164	6	17	47	-	10	80	244
Grand Total	14,220	63,669	151,482	29,725	14,733	273,829	26,119	23,345	32,389	16,162	6,851	104,866	378,695

For footnotes, see Footnotes Page.

**FUNCTIONAL SYSTEM LENGTH - 2007 1/  
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING**

TABLE HM-63  
SHEET 2 OF 3

OCTOBER 2008

STATE	URBAN MINOR ARTERIAL												TOTAL
	INTERNATIONAL ROUGHNESS INDEX 2/						PRESENT SERVICEABILITY RATING 3/						
	<60	60-94	95-170	171-220	>220	TOTAL	>3.9	3.5-3.9	2.6-3.4	2.1-2.5	<=2.0	TOTAL	
Alabama	93	652	973	258	95	2,071	2	43	68	12	-	125	2,196
Alaska	6	40	124	20	17	207	-	-	-	-	-	-	207
Arizona	10	78	195	93	23	399	761	271	283	32	-	1,347	1,746
Arkansas	-	44	304	51	35	434	57	86	285	203	32	663	1,097
California	48	268	3,074	3,016	2,161	8,567	152	306	852	301	400	2,011	10,578
Colorado	-	12	108	25	12	157	436	317	536	147	33	1,469	1,626
Connecticut	-	42	659	149	71	921	571	103	62	5	-	741	1,662
Delaware	4	48	98	18	20	188	-	-	1	-	-	1	189
Dist. of Columbia	-	-	3	32	129	164	-	-	-	-	-	-	164
Florida	67	636	731	45	50	1,529	668	942	745	39	97	2,491	4,020
Georgia	2,431	699	283	5	4	3,422	233	182	364	18	10	807	4,229
Hawaii	-	4	40	24	50	118	-	-	-	-	-	-	118
Idaho	-	8	32	12	3	55	44	32	107	368	42	593	648
Illinois	250	19	-	22	5	296	1,265	940	1,333	412	84	4,034	4,330
Indiana 4/	33	371	323	108	117	952	269	528	372	220	93	1,482	2,434
Iowa	42	98	407	340	435	1,322	3	105	118	-	-	226	1,548
Kansas	-	64	266	117	93	540	54	165	21	367	251	858	1,398
Kentucky	4	185	734	72	21	1,016	-	-	-	-	-	-	1,016
Louisiana	25	361	765	351	363	1,865	-	-	11	-	-	11	1,876
Maine	7	59	105	30	31	232	-	-	-	-	-	-	232
Maryland	2	90	591	236	447	1,366	-	-	-	-	-	-	1,366
Massachusetts	2,388	95	831	333	111	3,758	-	-	-	-	-	-	3,758
Michigan	3	9	18	3	8	41	1,281	410	1,517	303	1,038	4,549	4,590
Minnesota 5/	48	413	1,055	416	351	2,283	-	-	-	-	-	-	2,283
Mississippi	-	62	537	175	107	881	-	-	-	-	-	-	881
Missouri	-	155	468	133	58	814	-	-	26	-	1,085	1,111	1,925
Montana	1	31	54	17	26	129	-	-	2	-	-	2	131
Nebraska	11	4	41	17	16	89	164	113	255	68	19	619	708
Nevada	88	145	229	84	71	617	-	-	-	-	-	-	617
New Hampshire	16	114	216	72	65	483	-	-	5	7	-	12	495
New Jersey	-	17	901	874	1,076	2,868	59	44	414	20	78	615	3,483
New Mexico	47	52	204	82	66	451	-	-	-	154	-	154	605
New York	144	867	2,665	892	939	5,507	-	-	-	-	-	-	5,507
North Carolina	9	481	1,292	317	168	2,267	403	117	203	108	65	896	3,163
North Dakota	-	6	9	4	1	20	64	23	110	39	9	245	265
Ohio	43	346	1,002	136	133	1,660	1,279	543	368	50	-	2,240	3,900
Oklahoma	45	211	760	340	656	2,012	29	-	-	-	-	29	2,041
Oregon	2	18	50	17	10	97	562	226	212	-	2	1,022	1,119
Pennsylvania	16	353	2,291	723	574	3,957	-	-	-	-	-	-	3,957
Rhode Island	-	5	110	46	35	196	38	33	72	11	11	165	361
South Carolina	22	209	810	241	172	1,454	-	-	-	-	-	-	1,454
South Dakota	-	7	31	10	18	66	93	12	147	13	38	303	369
Tennessee	57	307	499	108	134	1,105	547	223	396	124	58	1,348	2,453
Texas	47	458	1,631	315	133	2,584	401	889	1,883	786	428	4,387	6,971
Utah	45	158	264	11	-	478	18	310	-	-	7	335	813
Vermont	-	12	68	14	10	104	6	10	9	5	16	46	150
Virginia	23	166	600	110	115	1,014	248	346	528	65	13	1,200	2,214
Washington	45	73	159	9	39	325	819	383	699	256	89	2,246	2,571
West Virginia	6	96	426	98	96	722	-	-	-	-	-	-	722
Wisconsin	71	604	1,252	305	201	2,433	-	-	-	-	-	-	2,433
Wyoming	-	4	31	7	9	51	28	29	51	4	4	116	167
U.S. Total	6,199	9,256	28,319	10,933	9,580	64,287	10,554	7,731	12,055	4,157	4,002	38,499	102,786
Puerto Rico	1	1	147	258	277	684	83	109	109	18	6	325	1,009
Grand Total	6,200	9,257	28,466	11,191	9,857	64,971	10,637	7,840	12,164	4,175	4,008	38,824	103,795

For footnotes, see Footnotes Page.

# FUNCTIONAL SYSTEM LENGTH - 2007 1/ MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63  
SHEET 3 OF 3

OCTOBER 2008

STATE	URBAN COLLECTOR												TOTAL
	INTERNATIONAL ROUGHNESS INDEX 2/						PRESENT SERVICEABILITY RATING 3/						
	<60	60-94	95-170	171-220	>220	TOTAL	>3.9	3.5-3.9	2.6-3.4	2.1-2.5	<=2.0	TOTAL	
Alabama	1	172	1,196	356	243	1,968	32	36	76	36	-	180	2,148
Alaska	4	17	125	62	104	312	8	-	-	-	-	8	320
Arizona	-	32	118	152	49	351	479	227	257	108	138	1,209	1,560
Arkansas	-	3	17	4	6	30	31	173	313	291	129	937	967
California	28	214	2,033	2,783	3,743	8,801	228	358	813	449	421	2,269	11,070
Colorado	-	6	23	3	-	32	469	214	671	260	115	1,729	1,761
Connecticut	-	14	167	140	17	338	1,168	181	158	5	1	1,513	1,851
Delaware	1	78	153	79	36	347	5	6	8	-	2	21	368
Dist. of Columbia	-	-	1	8	146	155	-	-	-	-	-	-	155
Florida	-	70	91	-	-	161	1,641	1,836	2,705	300	176	6,658	6,819
Georgia	1,599	11	7	-	-	1,617	257	126	557	26	75	1,041	2,658
Hawaii	-	6	84	100	197	387	-	-	1	4	-	5	392
Idaho	-	-	-	3	-	3	47	38	89	367	50	591	594
Illinois	40	1	-	-	-	41	1,315	808	1,361	568	350	4,402	4,443
Indiana 4/	143	111	234	35	43	566	336	408	397	320	177	1,638	2,204
Iowa	7	70	311	173	275	836	7	61	104	-	-	172	1,008
Kansas	-	-	149	167	244	560	2	119	26	283	375	805	1,365
Kentucky	-	23	843	71	23	960	-	-	-	-	-	-	960
Louisiana	14	275	841	374	673	2,177	-	1	-	12	5	18	2,195
Maine	4	110	193	118	110	535	-	-	-	-	-	-	535
Maryland	-	8	586	343	703	1,640	-	-	-	-	-	-	1,640
Massachusetts	2,682	-	229	-	-	2,911	-	-	-	-	-	-	2,911
Michigan	-	-	1	1	1	3	788	197	1,011	146	986	3,128	3,131
Minnesota 5/	-	57	444	492	1,011	2,004	-	-	-	-	-	-	2,004
Mississippi	4	16	923	212	250	1,405	-	-	-	-	-	-	1,405
Missouri	-	73	300	35	21	429	-	-	40	-	1,824	1,864	2,293
Montana	-	-	-	1	-	1	-	11	118	104	79	312	313
Nebraska	-	-	2	3	-	5	72	55	194	80	53	454	459
Nevada	-	66	209	111	222	608	-	-	-	-	-	-	608
New Hampshire	13	83	246	50	86	478	-	-	9	18	1	28	506
New Jersey	-	8	386	598	1,223	2,215	78	122	223	115	7	545	2,760
New Mexico	-	52	218	167	290	727	-	-	-	751	-	751	1,478
New York	12	209	2,138	711	1,488	4,558	-	-	-	-	-	-	4,558
North Carolina	3	453	793	230	160	1,639	286	232	399	153	170	1,240	2,879
North Dakota	-	-	4	2	-	6	54	29	125	32	20	260	266
Ohio	19	121	507	101	27	775	2,072	1,080	591	103	8	3,854	4,629
Oklahoma	-	14	233	223	521	991	32	-	-	-	-	32	1,023
Oregon	-	3	1	13	1	18	687	503	506	86	80	1,862	1,880
Pennsylvania	-	142	2,458	1,364	1,365	5,329	-	-	-	-	-	-	5,329
Rhode Island	-	-	10	7	10	27	96	157	192	94	50	589	616
South Carolina	-	144	1,076	625	555	2,400	-	-	-	-	-	-	2,400
South Dakota	-	-	7	8	24	39	73	13	95	7	18	206	245
Tennessee	-	8	42	16	41	107	778	340	680	201	73	2,072	2,179
Texas	39	353	1,898	414	223	2,927	612	1,201	2,604	1,351	692	6,460	9,387
Utah	18	-	84	1	-	103	7	622	9	-	55	693	796
Vermont	-	2	3	-	1	6	11	60	45	30	62	208	214
Virginia	1	20	156	15	22	214	492	547	849	151	80	2,119	2,333
Washington	-	12	3	-	7	22	708	336	676	420	175	2,315	2,337
West Virginia	7	10	233	185	281	716	-	-	-	-	-	-	716
Wisconsin	19	379	1,114	381	282	2,175	-	-	-	-	-	-	2,175
Wyoming	-	4	4	10	-	18	58	109	226	46	36	475	493
U.S. Total	4,658	3,450	20,894	10,947	14,724	54,673	12,929	10,206	16,128	6,917	6,483	52,663	107,336
Puerto Rico	-	-	31	87	115	233	194	270	440	74	23	1,001	1,234
Grand Total	4,658	3,450	20,925	11,034	14,839	54,906	13,123	10,476	16,568	6,991	6,506	53,664	108,570

For footnotes, see Footnotes Page.

# FUNCTIONAL SYSTEM LENGTH - 2007

## MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

HM-63 Footnotes Page:

- 1/ Some States elect to report International Roughness Index (IRI) for these systems; some report IRI for some sections and PSR for some sections. Some differences from other tables may be noted because these are estimated from sample data.
- 2/ Data are reported as the IRI in inches per mile. Reference: World Bank Technical Paper Number 46, 1986. Lower IRI represents smoother riding roadways; to obtain a comprehensive assessment of pavement condition, additional measures of pavement distress are needed.
- 3/ The "Present Serviceability Rating" (PSR) is a subjective, primarily ride-based system adapted from the "AASHO ROAD TESTS" conducted in the late 1950's and early 1960's. Reference: Highway Special Report 61E, 1962. The PSR values range from 0.1 to 5.0; higher PSR values represent smoother riding roadways.
- 4/ Excludes 788 miles of Federal agency owned roads.
- 5/ Excludes 437 miles of local government owned roads.