

**FUNCTIONAL SYSTEM LENGTH - 2005 1/
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING**

OCTOBER 2006

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	3,140	3,937	520	242	7,855	409	783	2,122	519	80	3,913	11,768
Alaska	64	98	461	149	36	808	-	-	-	-	-	-	808
Arizona	716	499	1,407	107	-	2,729	900	184	181	94	85	1,444	4,173
Arkansas	-	1,505	5,309	2,410	268	9,492	95	772	613	652	711	2,843	12,335
California	137	3,098	5,680	1,936	1,224	12,075	-	-	27	-	-	27	12,102
Colorado	-	1,423	1,042	252	21	2,738	323	600	479	296	172	1,870	4,608
Connecticut	-	48	603	131	95	877	65	-	8	-	-	73	950
Delaware	15	206	162	39	30	452	-	-	-	-	-	-	452
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	271	478	95	-	-	844	1,177	1,035	835	88	141	3,276	4,120
Georgia	1,754	33	-	-	-	1,787	4,243	3,442	2,850	-	141	10,676	12,463
Hawaii	-	31	172	50	58	311	-	-	-	-	-	-	311
Idaho	20	730	799	21	12	1,582	64	31	65	1,947	404	2,511	4,093
Illinois	39	-	-	-	-	39	3,990	1,711	4,213	2,206	1,307	13,427	13,466
Indiana 4/	981	2,955	2,711	856	275	7,778	412	282	1,144	571	574	2,983	10,761
Iowa	1,125	3,142	6,496	1,497	305	12,565	-	210	119	-	-	329	12,894
Kansas	224	2,447	1,804	1	-	4,476	250	1,886	149	2,881	2,819	7,985	12,461
Kentucky	34	1,054	4,748	313	11	6,160	-	-	-	-	-	-	6,160
Louisiana	208	1,796	1,772	666	237	4,679	-	-	-	-	-	-	4,679
Maine	44	767	1,417	480	516	3,224	-	-	-	-	-	-	3,224
Maryland	29	424	766	231	89	1,539	-	-	-	-	-	-	1,539
Massachusetts	-	34	205	5	-	244	119	18	453	209	94	893	1,137
Michigan	-	-	-	-	-	-	2,949	1,120	6,218	3,093	1,011	14,391	14,391
Minnesota	1,794	5,618	7,111	303	786	15,612	-	-	-	-	-	-	15,612
Mississippi	53	693	3,819	954	193	5,712	1,041	761	2,579	849	593	5,823	11,535
Missouri	-	3,751	9,534	3,237	130	16,652	-	-	-	-	-	-	16,652
Montana	126	2,147	2,240	129	28	4,670	5	-	140	163	115	423	5,093
Nebraska	686	554	1,468	263	153	3,124	1,445	681	918	390	320	3,754	6,878
Nevada	340	503	1,045	78	17	1,983	-	-	-	-	-	-	1,983
New Hampshire	194	302	496	68	38	1,098	-	-	-	-	-	-	1,098
New Jersey	-	18	613	108	10	749	77	3	137	-	-	217	966
New Mexico	98	329	1,535	1,104	433	3,499	-	-	-	35	-	35	3,534
New York 5/	50	2,599	2,035	511	146	5,341	408	286	95	-	-	789	6,130
North Carolina	-	1,837	2,294	317	389	4,837	1,505	537	803	158	92	3,095	7,932
North Dakota	85	965	1,546	244	-	2,840	950	1,235	1,228	710	87	4,210	7,050
Ohio	1,252	3,168	2,917	273	1	7,611	482	1,052	1,200	906	-	3,640	11,251
Oklahoma	652	2,693	6,979	2,339	3,284	15,947	922	-	-	-	-	922	16,869
Oregon	34	234	1,196	224	-	1,688	1,471	2,102	1,737	137	-	5,447	7,135
Pennsylvania	16	1,422	3,776	1,059	977	7,250	-	-	-	-	-	-	7,250
Rhode Island	-	3	66	18	4	91	13	13	7	19	4	56	147
South Carolina	-	3,463	5,512	680	797	10,452	-	-	-	-	-	-	10,452
South Dakota	472	867	3,078	572	611	5,600	962	303	372	375	20	2,032	7,632
Tennessee	605	2,234	1,832	97	212	4,980	69	-	32	-	-	101	5,081
Texas	876	6,335	25,199	3,253	320	35,983	-	13	2	-	-	15	35,998
Utah	-	442	1,326	53	-	1,821	64	56	563	168	89	940	2,761
Vermont	-	374	969	318	345	2,006	-	-	-	-	-	-	2,006
Virginia	-	230	1,591	20	-	1,841	1,911	1,657	3,124	485	346	7,523	9,364
Washington	153	1,219	2,792	143	50	4,357	1,723	551	1,140	87	324	3,825	8,182
West Virginia	-	983	2,964	1,245	613	5,805	-	-	-	-	-	-	5,805
Wisconsin	223	2,614	6,955	858	2,201	12,851	-	-	-	-	-	-	12,851
Wyoming	180	841	1,235	101	11	2,368	-	70	114	28	-	212	2,580
U.S. Total	13,566	70,346	141,709	28,233	15,168	269,022	28,044	21,394	33,667	17,066	9,529	109,700	378,722
Puerto Rico	-	-	41	13	66	120	21	53	43	8	-	125	245
Grand Total	13,566	70,346	141,750	28,246	15,234	269,142	28,065	21,447	33,710	17,074	9,529	109,825	378,967

For footnotes, see Footnotes Page.

**FUNCTIONAL SYSTEM LENGTH - 2005 1/
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING**

TABLE HM-63
SHEET 2 OF 3

OCTOBER 2006

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	110	292	798	154	48	1,402	57	180	354	78	11	680	2,082
Alaska	-	47	127	23	8	205	-	-	-	-	-	-	205
Arizona	21	60	195	82	13	371	794	282	303	22	-	1,401	1,772
Arkansas	-	27	288	64	29	408	67	113	223	219	44	666	1,074
California	23	254	3,172	3,445	2,576	9,470	41	76	588	172	50	927	10,397
Colorado	-	8	75	27	17	127	464	309	518	160	37	1,488	1,615
Connecticut	-	32	668	168	53	921	558	105	75	4	-	742	1,663
Delaware	6	46	94	20	20	186	-	-	1	-	-	1	187
Dist. of Columbia	-	-	-	-	1	1	138	33	2	-	-	173	174
Florida	86	796	760	75	23	1,740	739	863	619	52	8	2,281	4,021
Georgia	2,657	653	221	5	-	3,536	357	198	205	1	9	770	4,306
Hawaii	-	7	75	18	5	105	2	-	10	-	-	12	117
Idaho	-	14	43	4	5	66	59	30	116	317	24	546	612
Illinois	309	17	20	1	6	353	1,527	726	1,213	422	73	3,961	4,314
Indiana 4/	1	177	100	35	77	390	342	723	510	247	213	2,035	2,425
Iowa	5	70	244	174	342	835	33	337	297	-	-	667	1,502
Kansas	3	84	526	239	331	1,183	-	-	-	-	-	-	1,183
Kentucky	7	186	743	63	20	1,019	-	-	-	-	-	-	1,019
Louisiana	24	383	700	401	329	1,837	11	1	54	11	-	77	1,914
Maine	11	38	114	35	33	231	-	-	-	-	-	-	231
Maryland	1	69	488	347	406	1,311	-	-	-	-	-	-	1,311
Massachusetts	1	47	885	267	78	1,278	48	209	1,139	872	211	2,479	3,757
Michigan	1	-	25	7	12	45	1,399	319	1,627	270	899	4,514	4,559
Minnesota	73	370	1,068	413	270	2,194	-	-	-	-	-	-	2,194
Mississippi	-	50	330	62	96	538	105	52	79	31	43	310	848
Missouri	25	118	465	149	38	795	-	-	46	5	867	918	1,713
Montana	-	1	21	5	8	35	-	-	-	-	-	-	35
Nebraska	12	4	32	14	13	75	211	90	243	49	14	607	682
Nevada	104	167	233	75	58	637	-	-	-	-	-	-	637
New Hampshire	42	111	215	50	60	478	-	-	5	3	3	11	489
New Jersey	-	20	1,030	800	1,140	2,990	7	38	374	20	48	487	3,477
New Mexico	45	64	179	74	89	451	-	-	-	152	-	152	603
New York 5/	8	597	1,647	577	768	3,597	344	603	408	34	6	1,395	4,992
North Carolina	-	445	826	199	91	1,561	717	199	373	164	100	1,553	3,114
North Dakota	-	3	13	2	-	18	54	29	101	38	9	231	249
Ohio	142	684	1,092	201	81	2,200	604	519	388	145	16	1,672	3,872
Oklahoma	48	202	844	330	591	2,015	38	-	-	-	-	38	2,053
Oregon	-	17	64	25	13	119	514	241	208	33	2	998	1,117
Pennsylvania	7	331	2,339	707	531	3,915	-	-	-	-	-	-	3,915
Rhode Island	-	4	110	50	30	194	46	41	58	10	11	166	360
South Carolina	25	217	876	167	172	1,457	-	-	-	-	-	-	1,457
South Dakota	-	3	39	5	22	69	104	12	83	6	48	253	322
Tennessee	63	293	467	124	99	1,046	505	200	563	84	9	1,361	2,407
Texas	38	500	1,654	297	165	2,654	499	792	2,012	747	269	4,319	6,973
Utah	44	164	238	9	9	464	30	49	115	2	6	202	666
Vermont	-	15	50	14	7	86	8	16	13	6	23	66	152
Virginia	-	62	489	180	108	839	263	226	749	49	11	1,298	2,137
Washington	27	62	126	11	16	242	656	270	730	268	86	2,010	2,252
West Virginia	-	133	239	82	42	496	-	-	-	-	-	-	496
Wisconsin	93	547	1,330	292	211	2,473	-	-	-	-	-	-	2,473
Wyoming	2	2	7	7	4	41	28	27	58	6	5	124	165
U.S. Total	4,064	8,493	26,403	10,575	9,164	58,699	11,369	7,908	14,460	4,699	3,155	41,591	100,290
Puerto Rico	-	-	134	169	241	544	144	186	115	19	2	466	1,010
Grand Total	4,064	8,493	26,537	10,744	9,405	59,243	11,513	8,094	14,575	4,718	3,157	42,057	101,300

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2005 1/ MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
SHEET 3 OF 3

OCTOBER 2006

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	-	180	505	223	28	936	29	342	536	143	79	1,129	2,065
Alaska	-	22	171	65	65	323	3	4	3	5	4	19	342
Arizona	-	22	117	174	42	355	457	245	282	99	152	1,235	1,590
Arkansas	-	-	9	8	9	26	76	137	316	276	101	906	932
California	30	250	2,279	2,939	4,066	9,564	135	219	669	232	163	1,418	10,982
Colorado	-	7	9	2	-	18	507	174	661	276	124	1,742	1,760
Connecticut	-	16	187	130	22	355	1,130	162	185	14	4	1,495	1,850
Delaware	2	65	156	85	35	343	8	5	6	-	1	20	363
Dist. of Columbia	-	-	-	-	-	-	122	24	6	-	-	152	152
Florida	8	200	123	16	16	363	1,986	1,978	2,226	178	53	6,421	6,784
Georgia	1,748	17	25	-	-	1,790	268	49	453	35	100	905	2,695
Hawaii	3	56	239	55	19	372	4	6	8	5	2	25	397
Idaho	-	-	-	3	-	3	43	30	99	382	45	599	602
Illinois	315	1	-	-	-	316	1,207	910	1,191	447	255	4,010	4,326
Indiana 4/	-	-	1	-	-	1	458	497	567	369	302	2,193	2,194
Iowa	4	26	123	88	242	483	27	197	284	17	-	525	1,008
Kansas	11	30	204	231	742	1,218	-	-	-	-	-	-	1,218
Kentucky	-	24	805	90	37	956	-	-	-	-	-	-	956
Louisiana	7	263	837	300	644	2,051	-	2	57	56	8	123	2,174
Maine	4	76	215	132	115	542	-	-	-	-	-	-	542
Maryland	3	27	308	426	510	1,274	9	1	15	5	-	30	1,304
Massachusetts	-	-	229	-	-	229	41	347	1,179	802	314	2,683	2,912
Michigan	-	-	-	1	1	2	760	231	1,013	170	822	2,996	2,998
Minnesota	-	113	502	240	658	1,513	-	-	-	-	-	-	1,513
Mississippi	4	5	67	25	102	203	312	180	340	193	162	1,187	1,390
Missouri	-	64	216	28	14	322	-	-	1,125	-	441	1,566	1,888
Montana	-	-	1	2	1	4	1	17	122	105	70	315	319
Nebraska	-	-	2	-	3	5	84	61	195	63	35	438	443
Nevada	20	88	208	129	112	557	-	-	-	-	-	-	557
New Hampshire	23	81	242	58	70	474	-	-	16	7	5	28	502
New Jersey	-	7	341	682	1,230	2,260	136	73	127	78	59	473	2,733
New Mexico	-	59	176	182	323	740	-	-	-	723	-	723	1,463
New York 5/	-	58	276	16	273	623	900	1,375	864	199	74	3,412	4,035
North Carolina	3	247	390	70	53	763	735	369	540	172	205	2,021	2,784
North Dakota	-	2	3	2	-	7	54	25	122	40	18	259	266
Ohio	181	305	871	111	61	1,529	1,270	750	819	274	7	3,120	4,649
Oklahoma	-	31	266	194	484	975	48	-	-	-	-	48	1,023
Oregon	-	3	-	10	-	13	678	519	484	94	82	1,857	1,870
Pennsylvania	-	142	2,380	1,279	1,529	5,330	-	-	-	-	-	-	5,330
Rhode Island	-	-	11	5	11	27	125	151	166	97	47	586	613
South Carolina	-	220	1,060	588	546	2,414	-	-	3	-	-	3	2,417
South Dakota	-	-	2	6	21	29	48	41	60	4	22	175	204
Tennessee	-	19	36	15	20	90	800	299	807	136	27	2,069	2,159
Texas	1	423	1,608	499	139	2,670	809	1,112	2,560	1,310	592	6,383	9,053
Utah	2	25	50	-	-	77	102	75	427	13	7	624	701
Vermont	-	-	-	-	1	1	12	65	40	32	64	213	214
Virginia	4	18	78	17	16	133	486	312	1,047	151	97	2,093	2,226
Washington	-	15	11	2	2	30	610	310	668	375	119	2,082	2,112
West Virginia	1	10	313	134	226	684	-	1	-	-	-	1	685
Wisconsin	17	363	1,091	375	359	2,205	-	-	-	-	-	-	2,205
Wyoming	4	2	6	-	-	12	52	113	217	57	28	467	479
U.S. Total	2,395	3,582	16,749	9,637	12,847	45,210	14,532	11,408	20,505	7,634	4,690	58,769	103,979
Puerto Rico	-	-	41	122	87	250	323	277	352	18	12	982	1,232
Grand Total	2,395	3,582	16,790	9,759	12,934	45,460	14,855	11,685	20,857	7,652	4,702	59,751	105,211

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2005

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 770 miles of Federal agency owned roads.
- 5/ 2004 data used.