

**FUNCTIONAL SYSTEM LENGTH - 2011 1/
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING**

TABLE HM-63
SHEET 1 OF 3

MAY 2013

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	6,161	1,584	2,368	184	-	10,297	-	-	-	-	-	-	10,297
Alaska	77	374	350	114	144	1,059	-	-	-	-	-	-	1,059
Arizona	524	942	1,129	287	16	2,898	316	118	182	60	38	714	3,611
Arkansas	-	1,791	5,111	2,118	909	9,929	-	-	1,005	591	945	2,542	12,471
California	71	1,416	4,952	1,542	868	8,849	1,065	459	1,228	191	277	3,220	12,070
Colorado	41	1,221	2,732	328	306	4,628	67	-	-	-	-	67	4,695
Connecticut	-	153	462	150	176	941	-	-	-	-	-	-	941
Delaware	-	278	121	32	19	451	-	-	-	-	-	-	451
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	457	1,906	818	165	95	3,442	350	98	214	9	64	735	4,177
Georgia	4	88	65	-	-	157	484	3,063	7,902	201	1,009	12,659	12,816
Hawaii	4	36	136	56	85	317	-	-	-	-	-	-	317
Idaho	100	84	57	-	1	241	1,438	783	1,505	395	1,197	5,318	5,559
Illinois	273	4,255	7,326	1,354	543	13,752	-	-	-	-	-	-	13,752
Indiana	1,504	3,272	3,855	997	214	9,841	-	-	-	-	-	-	9,841
Iowa	-	-	32	7	1	40	-	-	-	-	-	-	40
Kansas	248	2,663	1,541	9	-	4,461	155	1,997	32	5,647	10,585	18,416	22,877
Kentucky	124	1,767	2,958	290	121	5,259	-	-	-	-	-	-	5,259
Louisiana	15	2,265	1,782	659	214	4,936	-	-	-	-	-	-	4,936
Maine	11	273	1,534	735	666	3,219	-	-	-	-	-	-	3,219
Maryland	125	482	721	94	61	1,482	-	-	-	-	-	-	1,482
Massachusetts	-	45	129	57	85	316	-	-	836	-	-	836	1,153
Michigan	-	-	-	-	-	-	2,191	1,279	7,143	3,211	2,876	16,700	16,700
Minnesota	2,530	3,831	4,387	1,462	769	12,978	-	-	-	-	-	-	12,978
Mississippi	144	1,476	5,378	4,271	506	11,775	-	-	-	-	-	-	11,775
Missouri	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana	286	1,838	2,368	249	203	4,943	-	-	-	-	-	-	4,943
Nebraska	550	803	1,594	196	69	3,212	1,221	733	1,010	265	296	3,525	6,737
Nevada	10	203	931	45	43	1,232	-	-	-	-	-	-	1,232
New Hampshire	66	436	302	141	148	1,092	-	-	1	-	-	1	1,092
New Jersey	-	18	452	110	-	580	102	64	216	-	-	381	962
New Mexico	40	566	1,308	903	730	3,548	-	-	-	-	-	-	3,548
New York	202	1,598	3,432	219	305	5,757	-	-	-	-	-	-	5,757
North Carolina	75	3,510	3,272	484	180	7,522	283	76	-	-	-	359	7,880
North Dakota	1,794	2,718	2,608	214	-	7,334	-	-	-	-	-	-	7,334
Ohio	396	3,654	2,304	197	7	6,558	1,168	604	1,130	672	1,224	4,798	11,356
Oklahoma	1,732	2,542	7,840	2,865	4,601	19,580	-	-	-	-	1,180	1,180	20,760
Oregon	152	450	1,449	277	112	2,439	2	-	-	-	-	2	2,442
Pennsylvania	82	696	1,955	668	540	3,941	-	-	-	-	-	-	3,941
Rhode Island	-	-	54	20	10	85	14	16	9	18	4	60	145
South Carolina	201	2,051	7,374	683	168	10,478	-	-	-	-	-	-	10,478
South Dakota	355	1,468	1,881	407	219	4,331	1,145	8	5,315	-	1,443	7,910	12,241
Tennessee	650	2,127	2,126	148	68	5,118	-	-	-	-	-	-	5,118
Texas	868	6,090	22,883	3,835	866	34,542	-	-	-	-	-	-	34,542
Utah	-	248	1,387	359	105	2,098	-	6	902	92	4	1,004	3,102
Vermont	115	198	429	163	174	1,079	-	-	-	-	-	-	1,079
Virginia	-	1,192	5,174	1,438	1,132	8,936	101	14	295	2	43	456	9,392
Washington	19	976	5,278	1,639	368	8,279	-	151	-	-	-	151	8,430
West Virginia	47	405	2,711	723	1,766	5,652	-	-	-	-	-	-	5,652
Wisconsin	907	3,764	5,388	1,544	665	12,267	-	-	-	-	-	-	12,267
Wyoming	168	1,164	944	251	47	2,574	-	-	-	-	-	-	2,574
U.S. Total	21,130	68,916	133,390	32,689	18,324	274,449	10,100	9,468	28,926	11,354	21,185	81,032	355,481
Puerto Rico 4/	-	-	10	75	119	203	4	3	22	-	-	30	233
Grand Total	21,130	68,916	133,400	32,764	18,443	274,652	10,104	9,471	28,948	11,354	21,185	81,062	355,714

For footnotes, see Footnotes Page.

**FUNCTIONAL SYSTEM LENGTH - 2011 1/
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING**

TABLE HM-63
SHEET 2 OF 3

MAY 2013

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	161	488	659	241	245	1,794	-	-	-	-	-	-	1,794
Alaska	16	31	76	30	15	168	-	-	-	-	-	-	168
Arizona	1	78	232	222	98	631	529	201	223	53	7	1,012	1,643
Arkansas	21	75	243	73	54	465	-	63	285	284	184	815	1,280
California	6	130	2,219	2,056	1,888	6,300	342	421	2,183	587	298	3,832	10,132
Colorado	2	27	890	417	303	1,640	-	0	-	-	-	0	1,640
Connecticut	-	65	681	482	433	1,661	-	-	-	-	-	-	1,661
Delaware	4	23	100	41	22	191	-	-	-	-	-	-	191
Dist. of Columbia	-	-	0	6	157	164	-	-	-	-	-	-	164
Florida	291	1,161	1,228	312	264	3,257	328	158	280	32	47	845	4,101
Georgia	9	107	74	7	-	197	169	1,173	2,272	283	153	4,049	4,246
Hawaii	2	14	47	18	32	113	-	-	-	-	-	-	113
Idaho	12	15	9	1	1	37	223	75	139	62	28	525	563
Illinois	43	427	2,211	882	865	4,428	-	-	-	-	-	-	4,428
Indiana	106	230	1,423	516	555	2,831	-	-	-	-	-	-	2,831
Iowa	3	33	259	163	390	848	-	-	-	-	-	-	848
Kansas	4	85	594	242	228	1,153	-	22	-	-	55	70	1,299
Kentucky	12	160	409	76	50	706	-	-	-	-	-	-	706
Louisiana	1	383	754	336	237	1,711	-	-	5	-	-	5	1,716
Maine	0	29	147	35	22	233	-	-	-	-	-	-	233
Maryland	5	188	634	211	209	1,247	-	-	-	-	-	-	1,247
Massachusetts	8	94	573	290	176	1,141	-	-	2,598	-	-	2,598	3,739
Michigan	-	-	8	0	-	8	810	475	1,369	919	1,209	4,782	4,790
Minnesota	114	370	1,188	309	182	2,163	-	-	-	-	-	-	2,163
Mississippi	7	93	451	259	146	955	-	-	-	-	-	-	955
Missouri	44	250	427	79	82	883	-	-	-	-	-	-	883
Montana	16	37	104	30	51	238	-	-	-	-	-	-	238
Nebraska	3	-	14	3	10	30	169	104	264	75	47	659	689
Nevada	6	91	245	41	34	418	-	-	-	-	3	3	421
New Hampshire	29	43	242	110	74	497	-	-	0	-	-	0	497
New Jersey	0	46	776	773	896	2,491	332	128	377	23	16	875	3,366
New Mexico	0	58	223	80	62	423	-	-	-	-	-	-	423
New York	174	980	2,446	961	1,016	5,577	0	23	38	-	-	61	5,638
North Carolina	78	766	1,249	251	185	2,529	134	68	118	11	15	346	2,875
North Dakota	-	17	126	76	76	295	-	-	-	-	-	-	295
Ohio	18	441	875	230	191	1,755	422	283	561	344	536	2,146	3,901
Oklahoma	16	71	893	385	702	2,067	-	-	10	-	8	18	2,085
Oregon	11	-	32	20	10	73	10	-	4	1	-	15	88
Pennsylvania	60	345	1,439	411	477	2,731	-	-	-	-	-	-	2,731
Rhode Island	-	4	83	52	32	171	46	30	79	15	13	183	354
South Carolina	134	206	873	210	77	1,499	-	-	-	-	-	-	1,499
South Dakota	-	12	55	69	90	226	14	3	98	3	5	122	348
Tennessee	135	375	348	65	51	973	258	412	387	144	88	1,289	2,262
Texas	71	760	1,683	353	112	2,979	-	-	-	-	-	-	2,979
Utah	11	192	301	48	4	557	5	27	241	15	1	289	845
Vermont	3	19	28	14	14	77	-	-	-	-	-	-	77
Virginia	0	115	646	103	23	888	166	275	317	75	8	842	1,729
Washington	45	261	982	564	448	2,300	-	-	383	-	-	383	2,682
West Virginia	-	84	450	127	81	743	-	-	-	-	-	-	743
Wisconsin	55	173	882	421	890	2,421	-	-	-	-	-	-	2,421
Wyoming	-	4	37	0	6	47	-	-	-	-	-	-	47
U.S. Total	1,738	9,656	30,568	12,703	12,264	66,929	3,957	3,940	12,229	2,980	2,733	25,840	92,769
Puerto Rico 4/	0	0	105	271	398	773	77	70	73	14	-	233	1,006
Grand Total	1,738	9,656	30,673	12,973	12,662	67,703	4,034	4,009	12,302	2,994	2,733	26,073	93,775

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2011 1/
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
SHEET 3 OF 3

MAY 2013

STATE	URBAN MAJOR AND MINOR 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	48	344	1,174	481	634	2,680	-	-	-	-	-	-	2,680
Alaska	1	26	62	48	79	216	-	-	-	-	-	-	216
Arizona	-	48	51	137	160	396	461	209	270	95	115	1,149	1,546
Arkansas	-	10	23	5	3	42	-	71	447	496	334	1,348	1,390
California	18	66	1,354	1,764	2,564	5,765	379	435	2,178	1,495	606	5,093	10,859
Colorado	9	32	764	474	451	1,729	-	20	-	-	-	20	1,749
Connecticut	-	4	496	547	801	1,848	-	-	-	-	-	-	1,848
Delaware	0	55	157	69	80	360	-	-	-	-	-	-	360
Dist. of Columbia	-	1	1	2	152	156	-	-	-	-	-	-	156
Florida	188	1,096	1,933	576	624	4,416	698	517	1,086	123	194	2,618	7,034
Georgia	-	27	4	-	31	62	117	271	1,810	364	171	2,733	2,764
Hawaii	4	25	118	66	155	368	-	-	-	-	-	-	368
Idaho	-	-	0	-	-	0	275	110	146	89	50	670	670
Illinois	-	71	1,735	913	2,060	4,779	-	-	-	-	-	-	4,779
Indiana	-	81	959	882	1,170	3,092	-	-	-	-	-	-	3,092
Iowa	-	22	166	95	298	581	-	-	-	-	-	-	581
Kansas	7	9	272	363	557	1,208	1	13	-	71	52	137	1,345
Kentucky	0	104	300	83	48	536	-	-	-	-	-	-	536
Louisiana	3	198	862	366	413	1,841	-	1	1	3	6	12	1,853
Maine	2	36	235	126	132	532	-	-	-	-	-	-	532
Maryland	10	93	661	345	359	1,467	-	-	-	-	-	-	1,467
Massachusetts	-	0	0	0	-	1	-	-	2,868	-	-	2,868	2,868
Michigan	-	-	1	1	1	2	452	264	1,047	758	964	3,486	3,489
Minnesota	53	236	743	380	357	1,769	-	-	-	-	-	-	1,769
Mississippi	6	11	470	509	436	1,432	-	-	-	-	-	-	1,432
Missouri	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana	7	7	229	15	61	319	-	-	-	-	-	-	319
Nebraska	-	-	-	-	-	-	73	35	174	110	66	458	458
Nevada	0	-	-	-	-	0	-	-	-	-	-	-	0
New Hampshire	19	37	202	119	122	500	-	1	2	-	1	4	503
New Jersey	-	4	279	513	1,153	1,949	98	142	442	74	3	759	2,708
New Mexico	-	7	170	108	218	504	-	-	-	-	-	-	504
New York	10	259	2,150	1,112	1,724	5,255	-	10	41	1	-	52	5,307
North Carolina	26	376	1,074	192	193	1,860	204	77	114	24	11	430	2,290
North Dakota	-	-	77	60	150	287	-	-	-	-	-	-	287
Ohio	0	284	569	57	64	975	706	443	1,015	455	1,022	3,641	4,616
Oklahoma	-	6	202	212	590	1,010	-	-	2	-	-	2	1,012
Oregon	-	-	4	15	1	20	0	19	65	0	-	85	105
Pennsylvania	-	102	1,476	1,063	1,361	4,002	-	-	-	-	-	-	4,002
Rhode Island	-	-	9	11	4	24	97	149	209	81	54	591	615
South Carolina	151	218	1,140	554	381	2,444	-	-	-	-	-	-	2,444
South Dakota	-	-	20	44	104	168	8	2	57	2	7	75	243
Tennessee	6	25	27	3	3	64	329	386	754	270	154	1,893	1,957
Texas	115	733	1,963	693	249	3,754	-	-	-	0	1	1	3,755
Utah	-	43	96	44	1	184	-	15	629	47	20	712	896
Vermont	-	1	3	1	1	6	-	-	-	-	-	-	6
Virginia	-	76	642	320	141	1,180	291	235	456	86	80	1,148	2,327
Washington	-	185	437	583	955	2,159	-	2	251	-	8	262	2,421
West Virginia	-	12	223	152	333	719	-	-	-	-	-	-	719
Wisconsin	16	149	717	493	1,008	2,383	-	-	-	-	-	-	2,383
Wyoming	-	20	5	-	-	26	-	-	-	-	-	-	26
U.S. Total	699	5,140	24,256	14,595	20,354	65,043	4,190	3,428	14,065	4,646	3,920	30,248	95,291
Puerto Rico 4/	-	-	45	128	286	459	139	160	403	40	-	743	1,202
Grand Total	699	5,140	24,302	14,723	20,639	65,503	4,329	3,588	14,468	4,686	3,920	30,991	96,493

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2011

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. PSR is ignored for sections coded with both IRI and PSR. Some differences from other tables may be noted because these are estimated from sample data. Excludes unpaved mileage. Includes structures.
- 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/ 2009 data used.