

FUNCTIONAL SYSTEM LENGTH - 2013 (1)
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

OCTOBER 1, 2014

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	1,388	4,363	4,207	577	376	10,911	-	-	2	6	12	14	33	10,945
Alaska	127	302	243	78	82	833	-	-	-	-	-	-	-	833
Arizona	712	1,028	1,120	168	49	3,077	-	-	-	-	-	-	-	3,077
Arkansas	134	1,715	4,834	1,796	861	9,341	-	-	-	1,206	-	-	1,206	10,547
California	197	1,977	6,808	1,088	908	10,977	196	393	-	73	16	-	678	11,655
Colorado	79	1,601	2,261	378	326	4,646	-	-	-	-	-	-	-	4,646
Connecticut	9	189	446	142	154	941	-	-	-	-	-	-	-	941
Delaware	7	256	149	31	9	453	-	-	-	-	-	-	-	453
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	80	449	136	17	9	691	245	386	1,089	112	96	1,927	2,618	
Georgia	482	5,410	4,392	658	371	11,314	-	-	-	-	-	-	-	11,314
Hawaii	0	9	98	46	60	214	-	-	-	-	-	-	-	214
Idaho	23	143	193	21	3	384	679	696	1,549	727	519	4,170	4,554	
Illinois	418	3,657	4,395	903	271	9,645	-	-	-	-	-	-	-	9,645
Indiana	1,537	3,428	3,491	767	656	9,879	-	-	-	-	-	-	-	9,879
Iowa	3	3	16	5	1	25	-	-	-	-	-	-	-	25
Kansas	602	2,835	1,025	21	-	4,483	125	1,990	4,942	598	557	8,213	12,696	
Kentucky	81	1,633	3,487	379	192	5,772	-	-	-	-	-	-	-	5,772
Louisiana	307	1,695	1,597	537	474	4,610	-	-	-	-	-	-	-	4,610
Maine	45	319	1,581	799	468	3,212	2	-	-	-	-	2	3,213	
Maryland	93	325	480	158	80	1,137	-	-	-	-	-	-	-	1,137
Massachusetts	-	48	102	22	38	209	-	-	617	-	-	617	826	
Michigan	-	-	-	-	-	-	2,461	1,524	4,226	3,297	3,576	15,085	15,085	
Minnesota	2,902	2,910	2,385	332	345	8,874	-	-	-	-	-	-	-	8,874
Mississippi	407	1,980	5,679	2,052	1,497	11,615	-	-	-	-	-	-	-	11,615
Missouri	269	2,605	8,051	3,213	1,331	15,469	-	-	-	-	-	-	-	15,469
Montana	270	1,583	2,417	419	102	4,792	-	-	-	-	-	-	-	4,792
Nebraska	601	1,080	1,504	7	8	3,200	-	-	-	-	-	-	-	3,200
Nevada	10	195	823	43	40	1,111	-	-	54	-	1	55	1,166	
New Hampshire	131	280	296	107	224	1,038	-	-	1	-	-	1	1,039	
New Jersey	-	19	414	32	-	466	76	74	156	-	-	307	772	
New Mexico	179	379	1,558	813	813	3,743	-	-	-	-	-	-	-	3,743
New York	360	1,860	2,768	223	528	5,738	-	-	-	1	-	1	5,740	
North Carolina	467	3,312	2,996	485	213	7,473	119	-	11	-	-	130	7,603	
North Dakota	-	-	-	-	-	-	1,101	3,950	994	882	84	7,011	7,011	
Ohio	500	3,049	2,729	378	36	6,692	-	-	-	-	-	-	-	6,692
Oklahoma	948	3,330	8,240	2,731	3,475	18,723	-	-	-	-	-	-	-	18,723
Oregon	67	353	1,150	314	169	2,054	1,560	1,600	2,025	292	125	5,601	7,655	
Pennsylvania	67	1,412	3,356	1,202	875	6,912	-	-	-	-	-	-	-	6,912
Rhode Island	-	5	103	23	39	170	7	-	3	15	2	27	197	
South Carolina	764	2,294	6,188	974	252	10,472	-	-	-	-	-	-	-	10,472
South Dakota	384	1,151	1,518	165	12	3,231	314	4	3,322	183	696	4,519	7,750	
Tennessee	796	1,648	2,331	235	115	5,125	-	-	-	-	-	-	-	5,125
Texas	4	1	13	10	-	28	40	58	66	124	-	288	317	
Utah	2	305	1,540	510	78	2,435	-	-	26	381	-	411	2,845	
Vermont	125	423	724	286	334	1,891	-	-	-	-	-	-	-	1,891
Virginia	59	1,323	5,021	1,547	1,166	9,117	102	4	181	2	8	297	9,413	
Washington	27	869	4,842	1,727	583	8,049	-	-	-	-	-	-	-	8,049
West Virginia	-	239	3,083	921	1,246	5,489	-	-	82	105	-	187	5,676	
Wisconsin	1,549	2,658	3,855	1,738	784	10,584	-	-	-	-	-	-	-	10,584
Wyoming	276	1,071	957	234	155	2,692	-	-	-	-	-	-	-	2,692
U.S. Total	17,486	67,719	115,602	29,315	19,812	249,934	7,028	10,707	20,983	6,365	5,683	50,766	300,700	
Puerto Rico (4)	-	-	10	75	119	203	4	3	22	-	-	30	233	
Grand Total	17,486	67,719	115,612	29,390	19,931	250,137	7,032	10,710	21,005	6,365	5,683	50,795	300,933	

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2013 (1)
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
SHEET 2 OF 3

OCTOBER 1, 2014

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	196	520	763	217	221	1,917	1	1	37	21	16	77	1,994
Alaska	3	46	77	21	24	170	-	-	-	-	-	-	170
Arizona	27	146	210	73	57	513	562	-	447	-	226	1,236	1,750
Arkansas	25	183	320	72	38	639	-	26	855	-	-	881	1,520
California	6	291	2,822	3,003	2,884	9,007	175	246	761	169	192	1,542	10,550
Colorado	12	110	825	474	346	1,767	24	23	1	2	-	50	1,817
Connecticut	2	118	783	366	383	1,652	-	-	-	-	-	-	1,652
Delaware	8	53	79	26	32	198	-	-	-	-	-	-	198
Dist. of Columbia	-	-	-	5	156	162	-	-	2	-	-	2	163
Florida	105	293	412	114	64	989	213	197	303	25	24	763	1,752
Georgia	498	1,249	1,697	393	435	4,272	-	-	-	-	-	-	4,272
Hawaii	2	22	86	36	48	194	-	-	-	-	-	-	194
Idaho	6	9	14	4	1	34	235	106	187	55	33	616	651
Illinois	62	454	2,168	978	752	4,414	-	-	-	-	-	-	4,414
Indiana	329	582	1,177	304	375	2,766	-	-	-	-	-	-	2,766
Iowa	3	7	7	4	5	26	-	-	-	-	-	-	26
Kansas	33	161	597	228	201	1,219	-	23	36	-	6	65	1,285
Kentucky	52	269	542	131	76	1,069	-	-	-	-	-	-	1,069
Louisiana	63	401	700	287	347	1,799	-	-	4	-	-	4	1,803
Maine	0	26	145	44	24	239	-	-	-	-	-	-	239
Maryland	15	159	366	109	186	836	-	-	-	-	-	-	836
Massachusetts	25	117	629	259	182	1,212	-	-	2,683	-	-	2,683	3,895
Michigan	4	24	32	12	5	76	830	466	1,133	967	1,344	4,739	4,815
Minnesota	78	214	226	49	8	573	-	-	-	-	-	-	573
Mississippi	49	228	406	157	241	1,079	-	-	-	-	-	-	1,079
Missouri	26	183	428	78	33	748	-	-	-	-	-	-	748
Montana	12	50	109	46	73	290	-	-	-	-	-	-	290
Nebraska	3	-	14	3	8	28	-	-	-	-	-	-	28
Nevada	2	28	194	17	16	258	-	13	3	2	1	19	276
New Hampshire	47	101	163	76	98	484	-	0	7	-	-	7	491
New Jersey	54	91	789	580	784	2,298	418	110	755	58	14	1,354	3,652
New Mexico	18	107	248	102	110	585	-	-	-	-	-	-	585
New York	5	818	2,441	1,095	1,132	5,491	4	7	9	7	2	29	5,520
North Carolina	46	624	1,385	301	228	2,584	3	1	-	-	-	4	2,588
North Dakota	-	-	-	-	-	-	77	19	93	64	5	257	257
Ohio	40	344	1,019	323	435	2,162	-	-	-	-	-	-	2,162
Oklahoma	9	75	923	345	612	1,964	-	-	-	-	-	-	1,964
Oregon	3	8	28	15	12	66	467	335	233	22	11	1,068	1,134
Pennsylvania	49	394	1,880	571	431	3,325	-	-	-	-	-	-	3,325
Rhode Island	-	11	119	33	54	218	15	7	30	41	10	104	322
South Carolina	181	204	895	192	89	1,561	-	-	-	-	-	-	1,561
South Dakota	4	9	49	15	23	101	47	44	192	14	20	317	418
Tennessee	192	221	331	64	70	878	-	-	-	-	-	-	878
Texas	15	48	61	33	21	177	856	730	2,653	612	572	5,423	5,600
Utah	9	46	310	171	79	615	-	-	44	-	-	44	659
Vermont	1	26	26	14	14	81	-	-	-	-	-	-	81
Virginia	5	190	570	131	56	951	155	245	310	75	6	791	1,742
Washington	25	211	1,239	524	672	2,672	-	-	-	-	-	-	2,672
West Virginia	-	60	483	130	57	730	0	-	6	-	-	6	736
Wisconsin	40	187	699	332	723	1,981	-	-	-	-	-	-	1,981
Wyoming	2	18	42	6	14	84	-	-	-	-	-	-	84
U.S. Total	2,391	9,738	29,525	12,564	12,936	67,154	4,082	2,598	10,782	2,135	2,483	22,080	89,234
Puerto Rico (4)	0	0	105	271	398	773	77	70	73	14	-	233	1,006
Grand Total	2,391	9,738	29,629	12,835	13,334	67,928	4,159	2,668	10,855	2,149	2,483	22,313	90,240

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2013 (1)

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
SHEET 3 OF 3

OCTOBER 1, 2014

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	84	590	1,279	406	419	2,778	0	1	12	30	37	79	2,857
Alaska	11	29	96	41	54	231	-	-	-	-	-	-	231
Arizona	11	9	111	47	66	245	-	-	-	-	0	0	245
Arkansas	0	40	144	35	5	225	6	-	1,808	-	-	1,815	2,039
California	8	113	2,321	2,725	3,900	9,067	380	151	1,059	236	200	2,026	11,093
Colorado	22	59	692	459	495	1,727	28	-	10	-	-	38	1,765
Connecticut	0	44	557	448	817	1,867	-	-	-	-	-	-	1,867
Delaware	9	73	166	58	58	364	-	-	-	-	-	-	364
Dist. of Columbia	-	-	-	11	144	155	0	-	-	-	1	2	157
Florida	29	204	541	240	201	1,215	364	432	1,377	104	66	2,343	3,558
Georgia	101	515	1,417	480	883	3,396	-	-	-	-	-	-	3,396
Hawaii	2	11	118	99	194	424	-	-	-	-	-	-	424
Idaho	-	-	-	-	-	-	292	94	187	76	44	694	694
Illinois	52	100	1,696	756	1,897	4,500	-	-	-	-	-	-	4,500
Indiana	97	438	1,283	475	673	2,965	-	-	-	-	-	-	2,965
Iowa	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas	8	106	338	339	487	1,278	-	35	8	-	-	43	1,321
Kentucky	7	92	339	89	71	598	-	-	-	-	-	-	598
Louisiana	19	256	732	334	554	1,895	-	1	2	-	7	10	1,905
Maine	-	50	230	146	108	533	2	-	-	0	-	2	535
Maryland	5	67	369	168	229	837	-	-	-	-	-	-	837
Massachusetts	-	2	4	0	8	14	-	-	2,978	-	-	2,978	2,992
Michigan	-	1	3	-	1	5	470	224	1,007	843	1,042	3,585	3,590
Minnesota	1	23	88	45	16	172	-	-	-	-	-	-	172
Mississippi	9	148	492	336	567	1,552	-	-	-	-	-	-	1,552
Missouri	-	53	106	43	14	216	-	-	-	-	-	-	216
Montana	1	28	181	45	128	383	-	-	-	-	-	-	383
Nebraska	-	-	-	-	-	-	-	-	-	-	-	-	-
Nevada	0	2	7	0	1	10	-	6	1	-	-	7	17
New Hampshire	2	67	186	113	159	526	-	-	9	-	-	9	536
New Jersey	7	36	385	584	1,018	2,031	184	99	601	34	11	929	2,959
New Mexico	13	64	128	36	31	271	-	-	-	-	-	-	271
New York	3	263	2,175	1,312	1,490	5,244	0	-	23	5	-	28	5,271
North Carolina	12	368	1,108	236	187	1,910	33	4	-	6	-	43	1,953
North Dakota	-	-	-	-	-	-	68	24	89	94	26	302	302
Ohio	26	317	692	384	270	1,689	-	-	-	-	-	-	1,689
Oklahoma	-	32	266	216	711	1,225	-	-	-	-	-	-	1,225
Oregon	-	0	4	1	16	22	606	372	744	71	67	1,859	1,881
Pennsylvania	5	72	1,309	505	651	2,540	-	-	-	-	-	-	2,540
Rhode Island	-	-	72	29	45	146	91	79	130	63	55	419	565
South Carolina	146	304	1,091	534	378	2,453	-	-	-	-	-	-	2,453
South Dakota	-	5	13	6	20	44	16	27	187	19	11	259	303
Tennessee	6	21	34	8	2	71	-	-	-	-	-	-	71
Texas	0	2	25	15	13	55	1,047	1,173	4,084	1,094	1,210	8,608	8,663
Utah	7	18	444	242	255	964	-	25	32	8	-	65	1,029
Vermont	-	2	1	-	1	4	-	-	-	-	-	-	4
Virginia	1	113	654	234	209	1,211	268	201	428	77	78	1,052	2,263
Washington	2	40	650	783	1,182	2,657	-	-	-	-	-	-	2,657
West Virginia	-	4	246	129	239	618	19	24	39	15	11	108	726
Wisconsin	14	160	446	241	1,009	1,870	-	-	-	-	-	-	1,870
Wyoming	3	45	22	3	1	74	-	-	-	-	-	-	74
U.S. Total	722	4,981	23,259	13,438	19,878	62,279	3,876	2,971	14,815	2,772	2,867	27,301	89,579
Puerto Rico (4)	-	-	45	128	286	459	139	160	403	40	-	743	1,202
Grand Total	722	4,981	23,304	13,567	20,164	62,738	4,015	3,131	15,218	2,813	2,867	28,043	90,781

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2013

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.