

**FUNCTIONAL SYSTEM LENGTH - 2014 (1)**  
**MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING**

OCTOBER 2015

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	1,732	4,297	4,012	604	372	11,017	-	-	206	749	243	-	1,198	12,215
Alaska	133	270	232	93	122	851	-	-	-	-	-	-	-	851
Arizona	730	1,073	1,262	242	110	3,417	-	-	-	-	0	-	0	3,417
Arkansas	137	2,065	4,817	1,614	827	9,461	-	-	197	-	-	-	197	9,658
California	52	1,013	3,411	784	935	6,195	-	-	-	-	-	-	-	6,195
Colorado	56	1,452	2,368	375	323	4,574	-	-	-	-	-	-	-	4,574
Connecticut	6	142	434	139	152	874	-	-	-	-	-	-	-	874
Delaware	6	206	193	24	10	438	-	-	-	-	-	-	-	438
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	342	859	701	100	26	2,028	409	295	1,188	95	-	-	1,987	4,015
Georgia	529	4,794	4,052	547	325	10,248	-	-	-	-	-	-	-	10,248
Hawaii	-	8	108	48	51	214	-	-	-	-	-	-	-	214
Idaho	104	423	215	27	7	776	517	670	1,616	671	502	-	3,976	4,752
Illinois	409	3,643	5,134	147	269	9,603	-	-	-	-	-	-	-	9,603
Indiana	1,551	3,628	3,008	397	141	8,726	-	-	-	-	-	-	-	8,726
Iowa	1,576	3,122	5,594	1,420	500	12,213	-	-	-	-	-	-	-	12,213
Kansas	1,131	2,269	1,338	93	15	4,846	192	1,471	4,107	880	520	-	7,171	12,017
Kentucky	75	1,873	3,197	266	121	5,533	-	-	-	-	-	-	-	5,533
Louisiana	310	1,685	1,623	549	456	4,623	-	-	-	-	-	-	-	4,623
Maine	44	319	2,117	448	352	3,280	-	-	-	-	-	-	-	3,280
Maryland	98	469	553	134	52	1,306	-	-	-	-	-	-	-	1,306
Massachusetts	-	-	-	-	-	-	148	-	288	-	378	-	813	813
Michigan	-	-	-	-	-	-	2,222	1,447	3,741	3,386	3,480	-	14,276	14,276
Minnesota	3,612	4,466	4,127	662	640	13,507	-	-	-	-	-	-	-	13,507
Mississippi	333	1,873	5,799	2,100	1,551	11,656	-	-	-	-	-	-	-	11,656
Missouri	140	2,777	8,329	3,410	1,494	16,150	-	-	-	-	-	-	-	16,150
Montana	326	1,391	2,545	418	171	4,852	-	-	-	-	-	-	-	4,852
Nebraska	590	1,074	1,460	7	8	3,139	-	-	-	-	-	-	-	3,139
Nevada	155	485	1,078	213	83	2,014	-	-	-	-	-	-	-	2,014
New Hampshire	37	88	55	18	20	218	-	14	807	-	-	-	821	1,039
New Jersey	-	18	400	32	-	450	41	127	148	5	-	-	322	772
New Mexico	157	356	1,697	771	769	3,750	-	-	-	-	-	-	-	3,750
New York	345	1,504	2,867	423	451	5,590	-	-	-	-	-	-	-	5,590
North Carolina	222	2,865	3,395	625	329	7,436	-	-	13	-	-	-	13	7,449
North Dakota	-	-	-	-	-	-	1,169	3,998	1,004	882	81	-	7,135	7,135
Ohio	1,240	3,241	3,187	391	39	8,097	301	690	1,636	284	22	-	2,932	11,030
Oklahoma	277	3,644	8,727	2,443	3,728	18,819	-	-	-	-	-	-	-	18,819
Oregon	65	329	1,235	403	200	2,231	1,477	1,356	1,732	331	213	-	5,109	7,340
Pennsylvania	195	1,619	3,077	1,051	1,073	7,015	-	-	-	-	-	-	-	7,015
Rhode Island	-	0	17	4	11	33	50	42	17	24	26	-	159	192
South Carolina	475	2,363	6,008	906	259	10,012	-	-	-	-	-	-	-	10,012
South Dakota	54	1,441	1,693	344	17	3,549	259	4	3,189	183	512	-	4,148	7,696
Tennessee	693	1,792	2,023	222	66	4,796	-	-	-	-	-	-	-	4,796
Texas	28	79	117	26	7	256	2,805	2,711	7,700	2,970	1,196	-	17,383	17,639
Utah	-	248	1,471	533	153	2,406	-	25	412	-	4	-	441	2,847
Vermont	56	330	790	321	357	1,854	-	-	-	-	-	-	-	1,854
Virginia	84	1,164	4,420	1,245	1,133	8,047	105	-	1	-	-	9	115	8,162
Washington	49	1,032	4,773	1,385	804	8,042	-	-	-	-	-	-	-	8,042
West Virginia	-	236	3,103	917	1,178	5,435	-	-	147	69	29	-	245	5,680
Wisconsin	910	1,096	3,704	5,937	486	12,133	-	-	-	-	-	-	-	12,133
Wyoming	282	1,061	963	227	145	2,678	-	-	-	-	-	-	-	2,678
U.S. Total	19,345	70,185	121,434	33,085	20,337	264,387	9,695	13,058	28,694	10,024	6,971	-	68,442	332,828
Puerto Rico (4)	-	-	10	75	119	203	4	3	22	-	-	-	30	233
Grand Total	19,345	70,185	121,444	33,160	20,456	264,590	9,699	13,061	28,716	10,024	6,971	-	68,472	333,061

For footnotes, see Footnotes Page.

**FUNCTIONAL SYSTEM LENGTH - 2014 (1)**  
**MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING**

TABLE HM-63  
SHEET 2 OF 3

OCTOBER 2015

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	284	615	726	177	173	1,975	-	72	206	57	-	335	2,309
Alaska	19	60	71	19	24	193	-	-	-	-	-	-	193
Arizona	55	284	613	160	147	1,258	-	-	1	-	-	1	1,259
Arkansas	22	228	404	63	60	777	-	-	108	-	-	108	885
California	44	169	1,242	1,042	876	3,373	-	-	5	9	-	14	3,387
Colorado	16	129	790	504	361	1,799	-	-	-	-	-	-	1,799
Connecticut	2	147	714	351	475	1,689	-	-	-	-	-	-	1,689
Delaware	10	56	77	30	30	204	-	-	-	-	-	-	204
Dist. of Columbia	-	-	-	4	160	164	-	-	-	-	-	-	164
Florida	298	959	817	170	97	2,340	366	484	815	69	109	1,843	4,183
Georgia	385	1,213	1,650	398	431	4,077	-	-	-	-	-	-	4,077
Hawaii	4	26	79	31	41	180	-	-	-	-	-	-	180
Idaho	9	17	32	8	3	68	201	141	150	84	19	595	663
Illinois	81	585	1,947	1,079	804	4,496	-	-	-	-	-	-	4,496
Indiana	335	738	1,082	314	422	2,891	-	-	-	-	-	-	2,891
Iowa	38	119	636	314	382	1,489	-	-	-	-	-	-	1,489
Kansas	42	175	580	224	206	1,227	-	10	5	0	5	20	1,247
Kentucky	87	321	565	128	75	1,176	-	-	-	-	-	-	1,176
Louisiana	65	395	674	274	322	1,730	-	-	4	-	-	4	1,733
Maine	0	24	161	34	17	236	-	-	-	-	-	-	236
Maryland	30	193	629	271	209	1,331	-	-	-	-	-	-	1,331
Massachusetts	-	-	-	-	-	-	450	-	1,813	-	1,346	3,610	3,610
Michigan	4	20	31	13	5	73	835	458	1,079	1,059	1,335	4,764	4,838
Minnesota	251	495	1,039	487	324	2,596	-	-	-	-	-	-	2,596
Mississippi	41	240	410	165	241	1,098	-	-	-	-	-	-	1,098
Missouri	21	241	872	317	289	1,739	-	-	-	-	-	-	1,739
Montana	9	53	115	40	72	290	-	-	-	-	-	-	290
Nebraska	3	2	14	10	7	37	-	-	-	-	-	-	37
Nevada	99	272	361	85	66	883	-	-	-	-	-	-	883
New Hampshire	33	63	86	29	40	251	-	11	230	-	-	241	491
New Jersey	95	117	711	619	754	2,295	273	223	738	108	14	1,356	3,651
New Mexico	30	76	258	109	118	590	-	-	-	-	-	-	590
New York	17	931	2,535	952	1,086	5,521	2	9	2	2	0	15	5,536
North Carolina	39	897	1,703	345	235	3,219	-	-	-	-	-	-	3,219
North Dakota	-	-	-	-	-	-	73	19	92	67	5	257	257
Ohio	43	512	663	236	283	1,736	629	261	588	239	503	2,220	3,956
Oklahoma	-	82	855	467	643	2,047	-	-	-	-	-	-	2,047
Oregon	33	78	135	43	22	310	467	263	225	19	7	980	1,291
Pennsylvania	76	511	1,904	782	667	3,941	-	-	-	-	-	-	3,941
Rhode Island	-	4	35	32	50	121	92	45	50	9	6	202	323
South Carolina	45	179	1,174	250	84	1,732	-	-	2	-	-	2	1,734
South Dakota	-	22	127	71	88	307	19	6	81	3	1	110	416
Tennessee	248	347	261	48	141	1,046	-	-	-	-	-	-	1,046
Texas	33	150	188	96	150	616	1,085	943	2,830	693	699	6,250	6,866
Utah	1	57	318	140	80	596	-	2	48	-	-	49	646
Vermont	7	42	56	14	12	131	-	-	-	-	-	-	131
Virginia	5	280	1,126	433	255	2,100	10	-	12	0	-	22	2,122
Washington	44	267	1,095	481	679	2,566	-	-	-	-	-	-	2,566
West Virginia	-	63	490	111	63	727	8	-	3	-	1	11	739
Wisconsin	37	111	670	1,033	800	2,651	-	-	-	-	-	-	2,651
Wyoming	2	21	49	9	22	103	60	1	4	1	8	73	176
U.S. Total	3,043	12,582	30,768	13,010	12,592	71,995	4,569	2,948	9,089	2,418	4,057	23,082	95,077
Puerto Rico (4)	0	0	105	271	398	773	77	70	73	14	-	233	1,006
Grand Total	3,043	12,583	30,873	13,281	12,990	72,768	4,646	3,017	9,162	2,432	4,057	23,314	96,083

For footnotes, see Footnotes Page.

# FUNCTIONAL SYSTEM LENGTH - 2014 (1)

## MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63  
SHEET 3 OF 3

OCTOBER 2015

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	96	705	1,505	384	435	3,125	-	126	433	126	-	686	3,811
Alaska	16	63	124	50	70	323	-	-	-	-	-	-	323
Arizona	19	89	396	159	182	845	-	-	-	-	-	-	845
Arkansas	3	42	146	55	26	273	-	-	227	-	-	227	501
California	-	26	599	495	939	2,059	-	-	9	0	-	9	2,068
Colorado	23	64	767	528	448	1,831	-	-	-	-	-	-	1,831
Connecticut	-	43	592	419	923	1,977	-	-	-	-	-	-	1,977
Delaware	9	49	191	69	100	419	-	-	-	-	-	-	419
Dist. of Columbia	-	-	1	2	153	156	-	-	-	-	-	-	156
Florida	83	651	1,204	337	414	2,689	922	1,316	2,452	394	335	5,419	8,108
Georgia	104	609	1,289	426	709	3,137	-	-	-	-	-	-	3,137
Hawaii	2	11	140	89	143	384	-	-	-	-	-	-	384
Idaho	-	4	11	1	1	17	210	122	224	91	41	688	705
Illinois	80	391	1,611	1,085	1,807	4,974	-	-	-	-	-	-	4,974
Indiana	49	402	1,437	592	772	3,253	-	-	-	-	-	-	3,253
Iowa	35	105	467	281	227	1,116	-	-	-	-	-	-	1,116
Kansas	20	102	545	396	482	1,545	-	12	22	-	2	37	1,582
Kentucky	13	134	517	109	81	854	-	-	-	-	-	-	854
Louisiana	17	249	691	331	501	1,789	-	1	2	-	7	10	1,799
Maine	0	43	312	99	84	538	-	-	-	-	-	-	538
Maryland	11	156	782	280	302	1,532	-	-	-	-	-	-	1,532
Massachusetts	-	-	-	-	-	-	454	-	1,216	-	1,166	2,837	2,837
Michigan	-	1	2	-	1	4	450	234	999	799	1,026	3,508	3,512
Minnesota	110	481	899	322	396	2,208	-	-	-	-	-	-	2,208
Mississippi	4	121	528	349	614	1,617	-	-	-	-	-	-	1,617
Missouri	-	95	684	372	494	1,645	-	-	-	-	-	-	1,645
Montana	1	28	186	48	122	385	-	-	-	-	-	-	385
Nebraska	-	-	-	-	-	-	-	-	-	-	-	-	-
Nevada	25	149	520	229	200	1,123	-	-	-	-	-	-	1,123
New Hampshire	1	6	9	2	1	19	-	0	516	-	-	517	536
New Jersey	4	43	310	582	951	1,889	146	132	1,000	124	39	1,440	3,330
New Mexico	24	124	278	191	249	866	-	-	-	-	4	4	869
New York	7	270	2,180	1,352	1,536	5,344	14	10	17	8	1	50	5,394
North Carolina	18	533	1,743	390	326	3,010	13	6	-	-	-	18	3,028
North Dakota	-	-	-	-	-	-	70	26	87	95	25	303	303
Ohio	39	434	535	48	107	1,163	1,034	519	1,290	575	907	4,325	5,488
Oklahoma	-	15	407	209	753	1,384	-	-	-	-	-	-	1,384
Oregon	3	23	26	10	13	74	687	652	988	97	76	2,500	2,574
Pennsylvania	5	170	2,070	1,260	1,760	5,265	-	-	-	-	-	-	5,265
Rhode Island	-	5	116	107	184	412	47	45	49	7	5	152	565
South Carolina	21	263	1,265	640	597	2,785	-	-	-	-	-	-	2,785
South Dakota	-	6	47	42	98	193	14	7	119	1	2	143	336
Tennessee	63	78	68	7	1	216	-	-	-	-	-	-	216
Texas	5	61	158	59	67	351	1,866	2,282	5,969	1,858	1,791	13,766	14,117
Utah	-	4	438	290	277	1,009	-	10	148	6	-	164	1,173
Vermont	7	47	52	15	9	129	-	-	-	-	-	-	129
Virginia	0	134	863	410	383	1,789	221	165	415	64	68	933	2,722
Washington	3	68	582	648	1,143	2,445	-	-	-	-	-	-	2,445
West Virginia	-	6	248	136	224	614	20	24	45	15	15	119	733
Wisconsin	11	125	336	1,352	885	2,708	-	-	-	-	-	-	2,708
Wyoming	4	48	33	6	8	98	189	31	19	1	15	254	352
U.S. Total	935	7,276	27,911	15,264	20,195	71,581	6,355	5,719	16,246	4,262	5,525	38,108	109,688
Puerto Rico (4)	-	-	45	128	286	459	139	160	403	40	-	743	1,202
Grand Total	935	7,276	27,956	15,392	20,481	72,040	6,494	5,880	16,649	4,303	5,525	38,850	110,891

For footnotes, see Footnotes Page.

# FUNCTIONAL SYSTEM LENGTH - 2014

## 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.