

FUNCTIONAL SYSTEM LENGTH - 2020 (1)
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
 SHEET 1 OF 3

October 26, 2021

STATE	RURAL MAJOR COLLECTOR														TOTAL REPORTED	NOT REPORTED 4/
	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	1,270	5,060	4,524	499	332	11,685	-	-	-	-	-	-	11,685	0		
Alaska	79	295	327	97	149	947	-	-	-	-	-	-	947	29		
Arizona	302	735	1,487	369	251	3,144	-	-	-	-	-	-	3,144	73		
Arkansas	-	-	-	-	-	-	982	732	4,442	4,981	263	11,400	11,400	-		
California	945	715	1,013	176	542	3,391	-	-	-	-	-	-	3,391	-		
Colorado	228	1,163	2,174	520	421	4,506	-	-	-	-	-	-	4,506	-		
Connecticut	2	133	472	109	137	853	-	1	2	-	-	3	856	-		
Delaware	72	122	166	18	9	388	-	-	-	-	-	-	388	2		
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Florida	591	1,230	1,365	190	147	3,524	205	11	280	2	0	499	4,023	-		
Georgia	913	5,116	4,934	461	170	11,594	-	-	-	-	-	-	11,594	-		
Hawaii	0	11	100	49	53	213	-	-	-	-	-	-	213	7		
Idaho	159	320	201	42	70	793	-	-	-	-	-	-	793	4,290		
Illinois	976	3,597	3,562	565	276	8,975	-	-	-	-	-	-	8,975	39		
Indiana	877	3,059	3,329	920	692	8,877	-	-	-	-	-	-	8,877	990		
Iowa	-	0	4	0	2	6	-	-	-	-	-	-	6	12,906		
Kansas	1,044	2,305	1,680	264	93	5,386	-	-	-	-	-	-	5,386	6,675		
Kentucky	217	1,683	3,260	318	121	5,599	-	-	-	-	-	-	5,599	257		
Louisiana	221	1,707	2,019	379	580	4,906	3	-	14	-	6	23	4,929	5		
Maine	264	710	1,399	429	387	3,189	-	-	-	-	-	-	3,189	83		
Maryland	232	371	538	97	62	1,300	-	-	-	-	-	-	1,300	-		
Massachusetts	-	44	253	19	54	370	-	-	-	-	-	-	370	488		
Michigan	1,701	4,090	5,177	1,292	1,187	13,447	66	-	1	9	5	82	13,529	43		
Minnesota	2,497	5,478	5,400	668	800	14,844	-	-	-	-	-	-	14,844	38		
Mississippi	170	1,780	6,001	2,108	1,661	11,720	-	-	-	-	-	-	11,720	-		
Missouri	122	2,887	8,628	2,900	1,679	16,216	-	-	13	-	-	13	16,229	-		
Montana	584	1,420	2,019	436	408	4,868	-	-	-	-	-	-	4,868	-		
Nebraska	966	698	537	144	135	2,480	-	-	-	-	-	-	2,480	-		
Nevada	139	519	1,136	222	110	2,126	-	-	-	-	-	-	2,126	-		
New Hampshire	108	323	411	115	84	1,041	-	-	0	-	-	0	1,041	-		
New Jersey	-	17	374	34	-	425	116	137	97	-	-	350	775	-		
New Mexico	135	320	1,673	1,117	1,107	4,351	-	-	-	-	-	-	4,351	-		
New York	220	2,634	2,397	282	11	5,543	-	-	-	-	-	-	5,543	-		
North Carolina	206	2,961	3,607	291	176	7,241	-	-	-	-	-	-	7,241	192		
North Dakota	1,494	3,185	2,263	184	114	7,239	-	-	-	-	-	-	7,239	-		
Ohio	2,450	4,069	2,420	396	199	9,533	1,241	176	0	54	0	1,472	11,005	-		
Oklahoma	418	3,010	3,719	346	122	7,615	-	-	-	-	-	-	7,615	10,450		
Oregon	64	286	722	334	210	1,617	2,414	1,700	1,187	163	144	5,608	7,225	-		
Pennsylvania	225	1,730	2,869	998	1,098	6,920	-	-	-	-	-	-	6,920	243		
Rhode Island	4	14	74	41	38	171	-	-	-	-	-	-	171	0		
South Carolina	178	1,832	1,997	242	82	4,330	-	-	-	-	-	-	4,330	5,675		
South Dakota	548	1,672	3,512	1,056	276	7,063	359	21	2	4	9	395	7,458	-		
Tennessee	-	-	0	-	-	0	-	-	-	-	-	-	0	-		
Texas	529	8,526	19,587	3,496	2,541	34,680	-	-	-	-	-	-	34,680	453		
Utah	291	906	1,401	328	214	3,139	-	-	-	-	-	-	3,139	-		
Vermont	129	469	792	219	249	1,857	-	-	-	-	-	-	1,857	60		
Virginia	68	936	2,257	494	237	3,991	-	-	-	-	-	-	3,991	3,421		
Washington	25	943	4,327	1,535	678	7,509	-	-	-	-	-	-	7,509	495		
West Virginia	48	760	2,440	956	1,298	5,502	-	-	-	-	-	-	5,502	22		
Wisconsin	2,002	3,104	4,052	1,230	1,172	11,559	-	-	-	-	-	-	11,559	493		
Wyoming	408	1,126	780	156	103	2,574	-	-	-	-	-	-	2,574	-		
U.S. Total	24,120	84,072	123,379	27,141	20,538	279,250	5,385	2,778	6,040	5,213	428	19,845	299,095	47,433		
Puerto Rico	-	-	10	19	154	183	-	-	-	-	-	-	183	10		
Grand Total	24,120	84,072	123,389	27,160	20,691	279,433	5,385	2,778	6,040	5,213	428	19,845	299,278	47,443		

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2020 (1)

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
SHEET 2 OF 3

October 26, 2021

STATE	URBAN MINOR ARTERIAL													
	INTERNATIONAL ROUGHNESS INDEX (2)						PRESENT SERVICEABILITY RATING (3)						TOTAL REPORTED	NOT REPORTED 4/
	<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	220	781	936	180	143	2,261	-	-	-	-	-	-	2,261	3
Alaska	24	74	62	14	13	187	-	-	-	-	-	-	187	11
Arizona	78	352	1,387	426	201	2,444	-	-	-	-	-	-	2,444	91
Arkansas	0	18	20	1	2	41	251	234	961	336	7	1,789	1,830	-
California	127	324	880	688	1,003	3,022	-	-	-	-	-	-	3,022	-
Colorado	27	233	769	354	422	1,804	1	-	-	-	-	1	1,805	-
Connecticut	13	244	817	284	297	1,656	2	6	7	1	-	16	1,672	1
Delaware	27	57	89	24	24	222	-	-	-	-	-	-	222	0
District of Columbia	0	0	8	13	142	164	-	-	-	-	-	-	164	0
Florida	341	1,365	1,588	318	245	3,858	168	89	96	10	11	374	4,232	-
Georgia	552	1,595	2,114	341	224	4,826	-	-	-	-	-	-	4,826	-
Hawaii	5	27	80	33	44	190	-	-	-	-	-	-	190	2
Idaho	12	23	27	4	7	73	-	-	-	-	-	-	73	584
Illinois	140	786	1,777	659	767	4,129	-	-	-	-	-	-	4,129	13
Indiana	286	679	1,161	386	303	2,815	-	-	-	-	-	-	2,815	227
Iowa	-	-	1	0	1	2	-	-	-	-	-	-	2	1,661
Kansas	38	158	558	234	208	1,196	-	-	-	-	-	-	1,196	159
Kentucky	97	340	597	110	70	1,214	-	-	-	-	-	-	1,214	143
Louisiana	70	390	752	232	252	1,697	17	-	13	-	14	43	1,740	11
Maine	22	68	97	26	30	243	-	-	-	-	-	-	243	4
Maryland	76	264	653	252	317	1,562	-	-	-	-	-	-	1,562	11
Massachusetts	32	187	606	254	209	1,288	-	-	-	-	-	-	1,288	2,690
Michigan	161	824	1,899	782	1,005	4,669	4	4	11	3	39	60	4,730	102
Minnesota	510	888	860	164	126	2,548	-	-	-	-	-	-	2,548	7
Mississippi	51	171	475	194	202	1,093	-	-	-	-	-	-	1,093	0
Missouri	62	271	889	432	468	2,123	-	-	23	-	-	23	2,145	-
Montana	16	77	108	37	52	291	-	-	-	-	-	-	291	-
Nebraska	13	3	15	5	10	46	-	-	-	-	-	-	46	-
Nevada	93	217	375	105	98	888	-	-	-	-	-	-	888	4
New Hampshire	32	140	196	60	62	490	-	-	1	-	-	1	491	-
New Jersey	115	155	672	576	657	2,175	542	287	503	111	12	1,455	3,630	-
New Mexico	6	64	295	150	198	712	-	-	-	-	-	-	712	-
New York	140	717	2,309	571	1,500	5,237	-	-	-	-	-	-	5,237	64
North Carolina	26	839	1,888	353	205	3,311	-	-	-	-	-	-	3,311	98
North Dakota	7	41	126	52	68	294	-	-	-	-	-	-	294	-
Ohio	222	957	1,397	494	627	3,696	125	42	75	0	28	270	3,966	-
Oklahoma	60	57	26	11	4	158	-	-	-	-	-	-	158	1,970
Oregon	10	45	68	28	13	164	513	304	292	14	1	1,124	1,288	-
Pennsylvania	134	679	1,754	593	647	3,807	-	-	-	-	-	-	3,807	252
Rhode Island	5	34	135	73	85	331	-	-	-	-	-	-	331	9
South Carolina	27	263	555	110	54	1,009	-	-	-	-	-	-	1,009	759
South Dakota	6	31	181	115	89	421	2	5	3	0	0	11	432	-
Tennessee	41	41	27	8	13	129	-	-	-	-	-	-	129	-
Texas	243	1,116	3,081	1,444	2,046	7,930	-	-	-	-	-	-	7,930	92
Utah	12	103	306	97	150	668	-	-	-	-	-	-	668	-
Vermont	2	58	62	13	9	144	-	-	-	-	-	-	144	4
Virginia	21	300	977	302	155	1,756	-	-	-	-	-	-	1,756	518
Washington	46	399	1,244	420	493	2,602	-	-	-	-	-	-	2,602	168
West Virginia	15	150	324	82	108	678	-	-	-	-	-	-	678	11
Wisconsin	44	233	885	507	800	2,469	-	-	-	-	-	-	2,469	131
Wyoming	8	33	45	14	14	114	-	-	-	-	-	-	114	-
U.S. Total	4,313	16,872	36,151	12,628	14,882	84,846	1,625	971	1,986	476	110	5,169	90,015	9,802
Puerto Rico	-	1	70	133	355	560	-	-	-	-	-	-	560	4
Grand Total	4,313	16,873	36,221	12,761	15,237	85,406	1,625	971	1,986	476	110	5,169	90,574	9,805

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2020 (1)

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
SHEET 3 OF 3

October 26, 2021

STATE	URBAN MAJOR AND MINOR COLLECTOR												TOTAL REPORTED	NOT REPORTED 4/
	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	125	777	1,717	524	521	3,664	-	-	-	-	-	-	3,664	7
Alaska	20	90	111	42	44	307	-	-	-	-	-	-	307	170
Arizona	76	536	2,417	1,043	864	4,935	-	-	-	-	-	-	4,935	453
Arkansas	0	3	3	0	0	7	219	276	1,298	417	32	2,242	2,249	-
California	10	115	756	422	1,277	2,580	-	-	-	-	-	-	2,580	-
Colorado	33	184	764	403	489	1,872	-	-	-	-	2	2	1,875	-
Connecticut	1	109	968	446	598	2,121	1	2	10	0	0	13	2,134	-
Delaware	10	117	193	78	71	470	-	-	-	-	-	-	470	2
District of Columbia	-	-	3	15	137	155	-	-	-	-	-	-	155	0
Florida	180	1,553	3,606	1,013	941	7,294	381	241	352	30	45	1,048	8,342	-
Georgia	273	1,308	2,146	419	291	4,437	-	-	-	-	-	-	4,437	-
Hawaii	1	12	149	115	166	444	-	-	-	-	-	-	444	5
Idaho	0	2	4	1	0	7	-	-	-	-	-	-	7	714
Illinois	93	688	2,302	1,078	1,473	5,633	-	-	-	-	-	-	5,633	196
Indiana	147	483	1,639	741	653	3,662	-	-	-	-	-	-	3,662	461
Iowa	-	-	-	-	3	3	-	-	-	-	-	-	3	1,253
Kansas	36	192	741	322	674	1,964	-	-	-	-	-	-	1,964	134
Kentucky	9	80	360	94	91	634	-	-	-	-	-	-	634	1,148
Louisiana	154	496	1,184	496	728	3,058	51	-	74	-	69	194	3,252	19
Maine	24	114	261	81	90	569	-	-	-	-	-	-	569	11
Maryland	28	258	913	467	722	2,388	-	-	-	-	-	-	2,388	7
Massachusetts	-	5	227	3	-	234	-	-	-	-	-	-	234	2,803
Michigan	67	512	1,284	636	992	3,491	15	7	15	39	69	145	3,636	70
Minnesota	244	590	1,434	371	341	2,980	-	-	-	-	-	-	2,980	5
Mississippi	4	94	604	342	542	1,585	-	-	-	-	-	-	1,585	7
Missouri	1	146	996	565	897	2,605	-	11	13	-	-	24	2,629	-
Montana	9	31	118	96	195	450	-	-	-	-	-	-	450	-
Nebraska	1	0	4	2	2	9	-	-	-	-	-	-	9	1
Nevada	31	174	517	227	231	1,179	-	-	-	-	-	-	1,179	21
New Hampshire	13	93	232	81	121	540	-	-	1	-	-	1	541	-
New Jersey	5	41	353	475	949	1,823	348	160	767	190	36	1,501	3,324	-
New Mexico	19	110	423	217	397	1,165	-	-	-	-	-	-	1,165	-
New York	45	607	2,053	1,367	1,567	5,639	-	-	-	-	-	-	5,639	65
North Carolina	8	580	2,247	487	358	3,679	-	-	-	-	-	-	3,679	108
North Dakota	2	14	86	52	157	311	-	-	-	-	-	-	311	-
Ohio	292	1,109	2,166	763	1,100	5,430	60	109	245	60	84	558	5,989	-
Oklahoma	17	14	12	0	1	43	-	-	-	-	-	-	43	1,418
Oregon	5	29	39	10	12	95	1,068	662	638	127	35	2,531	2,626	-
Pennsylvania	46	361	2,159	1,288	1,758	5,611	-	-	-	-	-	-	5,611	207
Rhode Island	-	10	193	140	232	575	-	-	-	-	-	-	575	2
South Carolina	5	25	125	87	103	346	-	-	-	-	-	-	346	2,529
South Dakota	-	14	97	108	96	315	4	0	1	1	-	6	320	-
Tennessee	2	22	18	1	3	45	-	-	-	-	-	-	45	-
Texas	500	2,086	6,144	3,145	4,774	16,650	-	-	-	-	-	-	16,650	404
Utah	12	102	559	361	570	1,605	-	-	-	-	-	-	1,605	-
Vermont	4	55	108	39	54	259	-	-	-	-	-	-	259	16
Virginia	2	120	557	265	142	1,086	-	-	-	-	-	-	1,086	2,216
Washington	10	200	1,075	645	900	2,831	-	-	-	-	-	-	2,831	136
West Virginia	2	71	319	161	333	886	-	-	-	-	-	-	886	23
Wisconsin	20	251	853	545	1,076	2,745	-	-	-	-	-	-	2,745	139
Wyoming	32	65	34	5	3	139	-	-	-	-	-	-	139	-
U.S. Total	2,616	14,647	45,268	20,285	27,741	110,557	2,147	1,468	3,415	864	372	8,267	118,823	14,749
Puerto Rico	-	-	29	84	346	459	-	-	-	-	-	-	459	8
Grand Total	2,616	14,647	45,297	20,369	28,087	111,016	2,147	1,468	3,415	864	372	8,267	119,282	14,757

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2020 (1)

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) Includes unpaved miles or bridges.