

FUNCTIONAL SYSTEM LENGTH - 2019 (1)
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
 SHEET 1 OF 3

September 30, 2020

STATE	RURAL MAJOR COLLECTOR														TOTAL REPORTED
	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	1,533	4,839	4,410	620	735	12,137	-	-	-	-	-	-	-	12,137	
Alaska	98	297	288	73	105	861	-	-	-	-	-	-	-	861	
Arizona	340	731	1,440	367	229	3,108	-	-	-	-	-	-	-	3,108	
Arkansas	-	-	-	-	-	-	1,045	741	4,247	5,073	295	11,400	-	11,400	
California	531	1,506	3,648	1,658	1,969	9,313	-	-	-	-	-	-	-	9,313	
Colorado	158	1,049	2,306	553	401	4,467	-	-	-	-	-	-	-	4,467	
Connecticut	3	150	457	108	138	856	0	-	-	-	-	-	0	856	
Delaware	72	127	160	20	7	387	-	-	-	-	-	-	-	387	
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Florida	737	1,373	1,448	200	184	3,950	0	6	51	16	0	73	-	4,023	
Georgia	703	5,195	4,996	513	196	11,594	-	-	-	-	-	-	-	11,594	
Hawaii	1	12	98	51	58	220	-	-	-	-	-	-	-	220	
Idaho	77	271	158	21	-	526	457	809	2,085	698	98	4,146	-	4,672	
Illinois	976	3,418	3,650	603	288	8,934	-	-	-	-	-	-	-	8,934	
Indiana	288	2,972	4,024	1,400	1,093	9,778	-	-	-	-	-	-	-	9,778	
Iowa	-	-	0	-	-	0	-	-	-	-	-	-	-	0	
Kansas	964	2,131	1,375	200	48	4,717	-	-	-	-	-	-	-	4,717	
Kentucky	162	1,582	3,167	331	102	5,344	-	-	-	-	-	-	-	5,344	
Louisiana	161	1,784	1,888	253	792	4,879	21	-	19	-	-	39	-	4,919	
Maine	296	761	1,286	441	484	3,268	-	-	-	-	-	-	-	3,268	
Maryland	214	355	570	96	60	1,295	-	-	-	-	-	-	-	1,295	
Massachusetts	3	144	182	25	8	363	-	-	-	-	-	-	-	363	
Michigan	1,684	4,197	5,144	1,329	1,144	13,499	88	1	3	11	75	178	-	13,677	
Minnesota	1,945	4,361	5,693	1,528	811	14,338	-	-	-	-	-	-	-	14,338	
Mississippi	165	1,854	5,871	2,150	1,685	11,726	-	-	-	-	-	-	-	11,726	
Missouri	109	2,746	8,788	3,013	1,568	16,225	-	-	12	-	-	12	-	16,237	
Montana	624	1,507	1,996	407	336	4,870	-	-	-	-	-	-	-	4,870	
Nebraska	833	601	468	327	151	2,379	-	-	-	-	-	-	-	2,379	
Nevada	139	519	1,136	222	110	2,126	-	-	-	-	-	-	-	2,126	
New Hampshire	104	318	390	111	118	1,041	-	-	0	-	-	0	-	1,041	
New Jersey	-	21	390	32	-	443	82	116	134	-	-	332	-	775	
New Mexico	93	319	1,861	1,035	1,044	4,351	-	-	-	-	-	-	-	4,351	
New York	404	2,379	2,209	372	272	5,637	-	-	-	-	-	-	-	5,637	
North Carolina	162	2,440	4,067	457	229	7,355	-	-	-	-	-	-	-	7,355	
North Dakota	1,419	3,125	2,277	200	115	7,135	-	-	-	-	-	-	-	7,135	
Ohio	2,780	4,357	3,141	527	204	11,010	-	-	-	0	0	1	-	11,010	
Oklahoma	281	3,045	4,455	406	112	8,299	-	-	-	-	-	-	-	8,299	
Oregon	-	303	939	409	101	1,751	2,153	1,906	1,174	112	142	5,488	-	7,239	
Pennsylvania	246	1,737	2,899	960	1,059	6,900	-	-	-	-	-	-	-	6,900	
Rhode Island	3	6	73	40	47	168	-	-	-	-	-	-	-	168	
South Carolina	589	2,969	4,525	1,229	697	10,010	-	-	-	-	-	-	-	10,010	
South Dakota	325	1,966	3,614	995	255	7,155	116	48	50	11	5	230	-	7,384	
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Texas	841	9,335	18,560	3,161	2,438	34,336	-	-	-	-	-	-	-	34,336	
Utah	229	824	1,397	376	243	3,068	-	-	-	-	-	-	-	3,068	
Vermont	114	510	821	193	271	1,909	-	-	-	-	-	-	-	1,909	
Virginia	74	899	2,368	550	196	4,086	-	-	-	-	-	-	-	4,086	
Washington	28	1,052	4,774	1,474	676	8,004	-	-	-	-	-	-	-	8,004	
West Virginia	69	788	2,401	539	1,283	5,480	-	-	-	-	-	-	-	5,480	
Wisconsin (5)	-	-	-	-	131	131	-	-	-	-	-	-	-	131	
Wyoming	551	1,043	778	168	58	2,598	-	-	-	-	-	-	-	2,598	
U.S. Total	21,126	81,922	126,587	30,153	22,241	282,028	3,962	3,626	7,775	5,921	615	21,899	-	303,927	
Puerto Rico	-	-	9	11	36	56	-	-	-	-	-	-	-	56	
Grand Total	21,126	81,922	126,596	30,163	22,277	282,084	3,962	3,626	7,775	5,921	615	21,899	-	303,983	

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2019 (1)

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
SHEET 2 OF 3

September 30, 2020

STATE	URBAN MINOR ARTERIAL													TOTAL REPORTED
	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	280	699	862	171	183	2,196	-	-	-	-	-	-	2,196	
Alaska	20	69	69	16	11	185	-	-	-	-	-	-	185	
Arizona	86	375	1,350	416	202	2,429	-	-	-	-	-	-	2,429	
Arkansas	1	5	10	4	0	20	231	234	954	379	11	1,810	1,830	
California	134	529	1,081	320	355	2,419	-	-	-	-	-	-	2,419	
Colorado	28	218	742	408	409	1,805	0	-	-	1	-	1	1,806	
Connecticut	17	235	823	311	286	1,672	-	-	-	-	-	-	1,672	
Delaware	26	60	89	24	22	221	-	-	-	-	-	-	221	
District of Columbia	-	-	6	15	132	153	-	-	-	-	-	-	153	
Florida	344	1,390	1,588	330	241	3,893	177	56	81	7	17	338	4,230	
Georgia	519	1,560	2,132	388	206	4,805	-	-	-	-	-	-	4,805	
Hawaii	4	29	69	34	57	192	-	-	-	-	-	-	192	
Idaho	6	18	22	5	1	52	180	124	226	48	5	583	635	
Illinois	137	760	1,812	687	709	4,105	-	-	-	-	-	-	4,105	
Indiana	171	729	1,336	447	317	3,001	-	-	-	-	-	-	3,001	
Iowa	-	-	0	-	-	0	-	-	-	-	-	-	0	
Kansas	58	168	573	239	253	1,291	-	-	-	-	-	-	1,291	
Kentucky	83	326	657	124	88	1,277	-	-	-	-	-	-	1,277	
Louisiana	20	209	562	189	196	1,176	45	-	32	-	33	110	1,286	
Maine	22	69	99	24	33	247	-	-	-	-	-	-	247	
Maryland	79	263	679	255	288	1,564	-	-	-	-	-	-	1,564	
Massachusetts	9	191	498	142	152	992	-	-	-	-	-	-	992	
Michigan	149	801	1,973	797	992	4,711	15	4	28	10	55	112	4,823	
Minnesota	371	887	798	250	216	2,522	-	-	-	-	-	-	2,522	
Mississippi	51	192	443	185	221	1,092	-	-	-	-	-	-	1,092	
Missouri	48	266	926	412	469	2,121	-	-	30	-	-	30	2,151	
Montana	16	69	108	39	59	291	-	-	-	-	-	-	291	
Nebraska	15	3	17	3	13	50	-	-	-	-	-	-	50	
Nevada	91	210	380	112	98	891	-	-	-	-	-	-	891	
New Hampshire	32	126	190	58	80	486	-	-	5	-	-	5	491	
New Jersey	85	147	687	590	716	2,225	500	275	501	119	11	1,405	3,630	
New Mexico	6	72	293	150	189	710	-	-	-	-	-	-	710	
New York	84	934	2,202	945	1,259	5,424	-	-	-	-	-	-	5,424	
North Carolina	30	797	1,799	378	346	3,350	-	-	-	-	-	-	3,350	
North Dakota	7	35	123	57	70	292	-	-	-	-	-	-	292	
Ohio	232	1,028	1,499	474	655	3,888	17	18	3	1	15	54	3,943	
Oklahoma	46	44	97	27	15	229	-	-	-	-	-	-	229	
Oregon	5	59	67	32	5	167	516	288	296	18	1	1,119	1,286	
Pennsylvania	137	708	1,741	593	631	3,809	-	-	-	-	-	-	3,809	
Rhode Island	1	25	139	79	84	328	1	1	-	-	-	3	331	
South Carolina	51	335	902	231	137	1,656	-	-	-	-	-	-	1,656	
South Dakota	2	22	197	148	54	423	0	4	5	-	-	9	432	
Tennessee	13	37	20	5	10	86	-	-	-	-	-	-	86	
Texas	225	1,131	2,969	1,453	2,191	7,969	-	-	-	-	-	-	7,969	
Utah	14	113	312	109	122	670	-	-	-	-	-	-	670	
Vermont	6	55	54	16	13	145	-	-	-	-	-	-	145	
Virginia	10	270	749	227	98	1,354	-	-	-	-	-	-	1,354	
Washington	39	448	1,233	420	491	2,631	-	-	-	-	-	-	2,631	
West Virginia	15	149	339	81	112	697	-	-	-	-	-	-	697	
Wisconsin (5)	1	0	20	9	25	56	-	-	-	-	-	-	56	
Wyoming	11	37	32	10	22	111	-	-	-	-	-	-	111	
U.S. Total	3,833	16,902	35,367	12,439	13,537	82,079	1,684	1,003	2,161	583	148	5,579	87,657	
Puerto Rico	-	1	56	100	404	560	-	-	-	-	-	-	560	
Grand Total	3,833	16,902	35,423	12,539	13,941	82,639	1,684	1,003	2,161	583	148	5,579	88,217	

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2019 (1)

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

September 30, 2020

TABLE HM-63
SHEET 3 OF 3

STATE	URBAN MAJOR AND MINOR COLLECTOR												TOTAL REPORTED
	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	118	818	1,616	492	552	3,595	-	-	-	-	-	-	3,595
Alaska	27	95	108	38	40	308	-	-	-	-	-	-	308
Arizona	25	304	2,517	883	690	4,419	-	-	-	-	-	-	4,419
Arkansas	1	13	10	1	-	24	162	372	1,180	461	59	2,234	2,259
California	26	401	2,645	1,933	3,811	8,816	-	-	-	-	-	-	8,816
Colorado	41	197	742	396	494	1,870	0	-	-	0	2	2	1,872
Connecticut	1	108	944	444	638	2,134	-	0	-	-	-	0	2,135
Delaware	13	118	194	76	70	471	-	-	-	-	-	-	471
District of Columbia	-	-	3	12	135	151	-	-	-	-	-	-	151
Florida	185	1,593	3,808	1,099	1,037	7,722	105	171	215	51	67	608	8,330
Georgia	298	1,259	2,175	411	298	4,441	-	-	-	-	-	-	4,441
Hawaii	1	13	154	119	165	452	-	-	-	-	-	-	452
Idaho	0	1	2	0	0	3	219	96	326	73	30	745	748
Illinois	67	626	2,254	1,092	1,525	5,563	-	-	-	-	-	-	5,563
Indiana	108	548	1,776	858	790	4,080	-	-	-	-	-	-	4,080
Iowa	-	-	-	2	-	2	-	-	-	-	-	-	2
Kansas	38	144	672	346	673	1,873	-	-	-	-	-	-	1,873
Kentucky	11	109	548	226	235	1,128	-	-	-	-	-	-	1,128
Louisiana	50	288	814	446	739	2,336	50	-	87	-	134	272	2,608
Maine	23	109	261	88	97	578	-	-	-	-	-	-	578
Maryland	28	276	922	465	697	2,389	-	-	-	-	-	-	2,389
Massachusetts	-	-	193	3	-	197	-	-	-	-	-	-	197
Michigan	55	470	1,307	660	1,019	3,510	35	10	9	43	68	164	3,674
Minnesota	102	315	1,289	562	554	2,821	-	-	-	-	-	-	2,821
Mississippi	3	103	574	323	588	1,591	-	-	-	-	-	-	1,591
Missouri	0	129	893	551	1,008	2,582	-	9	19	-	-	28	2,610
Montana	7	34	113	96	199	449	-	-	-	-	-	-	449
Nebraska	-	-	3	1	1	6	-	-	-	-	-	-	6
Nevada	33	171	506	233	245	1,188	-	-	-	-	-	-	1,188
New Hampshire	11	91	216	79	144	540	-	0	1	-	-	1	541
New Jersey	4	25	391	520	943	1,883	347	164	691	203	36	1,442	3,325
New Mexico	34	140	430	188	363	1,155	-	-	1	-	-	1	1,156
New York	50	655	2,279	1,162	1,525	5,671	-	-	-	-	-	-	5,671
North Carolina	3	479	2,107	602	479	3,670	-	-	-	-	-	-	3,670
North Dakota	2	14	76	60	152	304	-	-	-	-	-	-	304
Ohio	225	1,236	2,326	804	1,313	5,904	33	1	14	7	25	80	5,985
Oklahoma	2	19	37	1	0	60	-	-	-	-	-	-	60
Oregon	2	30	33	7	8	81	1,110	616	649	135	34	2,544	2,625
Pennsylvania	32	336	2,271	1,314	1,636	5,589	-	-	-	-	-	-	5,589
Rhode Island	-	12	189	135	235	571	-	-	-	-	-	-	571
South Carolina	48	383	1,176	535	544	2,686	-	-	-	-	-	-	2,686
South Dakota	-	8	101	120	88	316	-	-	4	-	-	4	321
Tennessee	1	1	2	0	2	6	-	-	-	-	-	-	6
Texas	495	2,213	5,973	3,056	4,807	16,544	-	-	-	-	-	-	16,544
Utah	10	108	513	404	552	1,587	-	-	8	-	-	8	1,595
Vermont	4	60	102	36	56	258	-	-	-	-	-	-	258
Virginia	2	164	855	404	260	1,684	-	-	-	-	-	-	1,684
Washington	12	198	1,086	632	931	2,859	-	-	-	-	-	-	2,859
West Virginia	3	73	326	161	339	903	-	-	-	-	-	-	903
Wisconsin (5)	-	-	-	7	16	23	-	-	-	-	-	-	23
Wyoming	11	105	50	5	7	178	-	-	-	-	-	-	178
U.S. Total	2,214	14,592	47,580	22,088	30,702	117,176	2,062	1,439	3,205	973	455	8,134	125,310
Puerto Rico	-	0	37	86	386	509	-	-	-	-	-	-	509
Grand Total	2,214	14,592	47,616	22,174	31,088	117,684	2,062	1,439	3,205	973	455	8,134	125,819

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2019 (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.
- (5) Substantial amount of missing IRI data; caution is advised when used in analysis.