

## NATIONAL HIGHWAY SYSTEM LENGTH - 2024 MILES BY MEASURED PAVEMENT ROUGHNESS - RURAL

TABLE HM-47  
SHEET 1 OF 4

November 2025

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)																			
	INTERSTATE SYSTEM										OTHER									
	NOT REPORTED (2)	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	TOTAL	NOT REPORTED (2)	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	TOTAL
Alabama	4	465	54	20	10	6	4	2	3	565	11	1,080	653	144	68	33	13	7	7	2,005
Alaska	0	204	332	168	109	78	46	29	34	998	279	124	232	80	65	55	35	29	84	705
Arizona	1	541	223	75	38	23	12	7	13	933	3	313	400	188	124	80	42	29	37	1,213
Arkansas	-	252	111	32	16	9	6	1	1	430	47	602	751	244	126	70	29	17	15	1,853
California	-	410	427	143	94	53	29	18	26	1,200	31	864	1,652	700	379	228	107	63	92	4,086
Colorado	-	60	302	124	54	30	15	13	20	619	-	508	1,101	435	233	113	55	35	48	2,527
Connecticut	-	21	7	1	0	0	-	-	0	30	-	28	60	33	17	9	4	3	2	156
Delaware	-	-	-	-	-	-	-	-	-	-	13	48	72	16	4	2	0	0	0	143
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	-	539	92	17	9	3	1	1	0	661	2	1,357	928	233	89	37	15	6	7	2,672
Georgia	-	427	156	40	12	8	3	1	2	649	-	1,549	1,447	427	170	57	22	9	8	3,689
Hawaii	-	0	1	1	2	1	0	0	0	6	1	5	24	17	9	6	3	2	4	69
Idaho	0	303	151	32	17	8	3	1	1	517	0	491	680	279	145	64	29	16	15	1,719
Illinois	-	829	266	71	30	14	7	6	4	1,228	1	720	784	375	243	142	77	46	61	2,449
Indiana	4	407	240	82	43	25	11	7	7	823	5	768	601	199	101	58	23	8	6	1,765
Iowa	-	227	257	64	24	14	5	3	3	597	7	853	1,115	596	363	212	97	62	60	3,358
Kansas	0	409	143	38	24	7	2	1	0	624	2	1,688	980	183	74	36	17	8	10	2,995
Kentucky	2	523	147	34	19	11	4	1	1	741	1	787	554	135	48	21	7	3	3	1,558
Louisiana	5	172	136	92	68	33	13	5	2	523	18	114	386	228	146	101	53	32	36	1,095
Maine	0	210	33	9	3	1	0	0	0	256	3	371	269	61	29	19	10	9	17	785
Maryland	0	64	52	12	4	2	1	1	1	136	2	212	183	37	12	7	3	2	5	460
Massachusetts	-	37	12	2	1	1	0	0	0	53	0	86	186	63	33	17	8	5	4	402
Michigan	4	281	184	29	20	14	7	3	3	540	8	1,331	759	188	76	34	17	10	17	2,433
Minnesota	-	259	244	47	13	4	1	0	1	569	-	1,271	1,192	492	244	116	48	29	28	3,419
Mississippi	-	358	134	32	19	12	7	3	2	567	-	571	679	249	135	94	45	23	27	1,824
Missouri	-	617	146	37	17	11	8	3	2	841	0	1,353	1,056	307	131	61	26	13	10	2,958
Montana	-	521	450	78	32	13	6	2	4	1,105	-	728	1,170	469	215	106	40	25	30	2,783
Nebraska	-	220	149	22	9	6	4	1	0	410	0	869	1,149	357	155	76	36	17	21	2,678
Nevada	-	416	26	6	3	2	1	-	0	456	-	964	408	115	47	19	7	3	3	1,566
New Hampshire	-	105	16	4	3	1	0	0	-	129	-	213	125	25	9	4	3	2	1	382
New Jersey	-	16	21	5	2	1	0	0	-	45	-	94	89	29	12	6	4	2	3	238
New Mexico	0	480	171	67	41	28	18	11	11	825	0	507	617	256	139	84	40	24	27	1,695
New York	14	374	306	63	33	20	8	3	3	809	42	336	1,164	372	182	100	43	27	23	2,247
North Carolina	0	568	180	31	13	7	4	2	3	808	8	727	1,146	428	181	66	26	12	14	2,600
North Dakota	-	275	181	32	12	3	1	1	1	505	-	1,287	1,163	284	116	44	18	11	19	2,942
Ohio	-	394	156	38	18	10	3	2	2	624	1	737	721	216	102	45	20	11	10	1,862
Oklahoma	12	303	251	52	22	11	6	4	2	652	67	564	868	376	187	104	53	35	50	2,238
Oregon	-	313	145	31	11	6	2	1	1	509	0	633	1,357	392	163	69	31	15	12	2,673
Pennsylvania	-	656	341	81	36	18	9	6	9	1,156	-	482	1,016	355	160	77	37	22	30	2,180
Rhode Island	-	12	3	1	0	-	-	-	-	15	1	21	25	9	11	10	9	5	5	95
South Carolina	1	291	116	25	17	7	3	2	1	462	4	299	688	234	115	54	24	10	9	1,434
South Dakota	-	297	260	22	8	3	1	1	0	591	3	1,043	1,186	371	156	67	25	17	22	2,886
Tennessee	2	586	56	15	10	5	3	1	1	678	189	716	610	181	92	51	28	16	25	1,720
Texas	14	819	821	194	68	29	12	5	4	1,953	64	2,879	3,211	1,235	583	252	96	45	34	8,334
Utah	-	387	214	48	22	6	2	1	1	680	18	297	504	199	94	42	14	5	4	1,159
Vermont	1	189	58	10	6	2	1	1	1	268	1	110	134	33	15	9	5	2	5	313
Virginia	-	263	187	30	11	5	3	1	2	502	-	266	811	319	143	61	22	12	9	1,643
Washington	-	200	103	40	23	15	8	9	9	407	1	401	744	391	183	87	40	27	31	1,905
West Virginia	0	150	162	27	15	10	4	2	2	371	1	102	483	224	130	71	36	20	23	1,088
Wisconsin	0	287	134	58	24	13	5	2	1	525	9	1,377	801	478	288	164	84	48	59	3,298
Wyoming	-	528	177	51	27	13	6	3	2	807	55	741	819	217	88	32	9	4	3	1,913
U.S. Total	64	16,267	8,536	2,233	1,113	603	296	166	185	29,398	901	33,486	37,748	13,476	6,633	3,371	1,535	885	1,077	98,211
Puerto Rico	0	3	18	10	7	6	6	4	6	61	0	0	8	10	14	12	7	7	14	72
Grand Total	65	16,270	8,554	2,243	1,120	608	302	170	192	29,459	901	33,486	37,755	13,486	6,647	3,383	1,543	893	1,091	98,283

For footnotes, see Footnotes Page.

**NATIONAL HIGHWAY SYSTEM LENGTH - 2024**  
**MILES BY MEASURED PAVEMENT ROUGHNESS - RURAL**

TABLE HM-47  
SHEET 2 OF 4

November 2025

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)									
	TOTAL RURAL NHS									
	NOT REPORTED (2)	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	TOTAL REPORTED
Alabama	15	1,546	708	163	78	39	17	9	10	2,570
Alaska	280	328	563	248	174	133	81	58	118	1,703
Arizona	4	854	623	264	162	103	54	36	50	2,145
Arkansas	47	854	862	275	142	79	35	18	16	2,283
California	31	1,273	2,079	843	473	282	136	81	118	5,285
Colorado	-	568	1,403	559	287	143	70	48	69	3,146
Connecticut	-	49	67	34	17	9	4	3	2	185
Delaware	13	48	72	16	4	2	0	0	0	143
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	2	1,895	1,020	250	98	40	16	7	7	3,333
Georgia	-	1,975	1,602	467	182	66	25	11	10	4,338
Hawaii	1	5	24	18	10	7	3	2	4	74
Idaho	0	794	831	312	162	71	33	17	16	2,236
Illinois	1	1,550	1,050	446	273	156	85	52	66	3,677
Indiana	10	1,175	840	282	145	83	34	16	13	2,589
Iowa	7	1,080	1,371	660	387	226	103	65	63	3,955
Kansas	3	2,096	1,122	221	98	43	19	9	11	3,619
Kentucky	3	1,310	701	169	68	31	11	5	4	2,299
Louisiana	22	286	522	320	214	134	66	37	39	1,618
Maine	3	581	302	70	32	20	10	9	17	1,041
Maryland	2	276	235	48	16	8	4	3	5	596
Massachusetts	0	123	198	65	33	18	9	5	5	455
Michigan	12	1,611	943	217	96	48	24	13	20	2,973
Minnesota	-	1,530	1,435	540	257	120	49	30	28	3,989
Mississippi	-	929	813	282	154	106	52	26	29	2,392
Missouri	0	1,969	1,203	343	149	73	34	17	12	3,799
Montana	-	1,249	1,620	547	247	119	46	26	33	3,888
Nebraska	0	1,089	1,298	379	163	82	39	18	21	3,089
Nevada	-	1,380	434	122	50	21	9	3	3	2,022
New Hampshire	-	317	141	29	12	5	3	2	1	511
New Jersey	-	110	110	34	13	7	4	2	3	283
New Mexico	0	987	788	323	180	112	57	35	38	2,520
New York	56	710	1,470	435	214	120	51	30	26	3,056
North Carolina	9	1,295	1,326	459	194	73	29	14	17	3,408
North Dakota	-	1,562	1,344	315	129	46	19	12	20	3,447
Ohio	1	1,131	877	255	120	56	23	13	11	2,485
Oklahoma	80	867	1,119	428	210	116	59	39	52	2,890
Oregon	0	947	1,502	423	174	75	33	16	12	3,182
Pennsylvania	-	1,138	1,358	437	196	95	46	28	39	3,336
Rhode Island	1	33	27	9	12	10	9	5	5	110
South Carolina	5	590	805	259	133	60	28	12	10	1,896
South Dakota	3	1,340	1,446	393	164	70	26	17	22	3,477
Tennessee	191	1,303	666	197	102	56	30	17	27	2,398
Texas	78	3,698	4,032	1,429	651	281	107	50	38	10,287
Utah	18	684	718	247	116	48	16	5	4	1,840
Vermont	1	299	193	42	21	11	6	3	6	580
Virginia	-	529	998	350	154	66	25	13	11	2,146
Washington	1	601	846	432	207	103	48	36	41	2,313
West Virginia	1	251	644	251	146	80	41	22	24	1,459
Wisconsin	9	1,664	936	536	312	177	89	49	60	3,823
Wyoming	55	1,270	997	268	115	45	14	7	5	2,720
U.S. Total	965	49,752	46,284	15,709	7,746	3,974	1,831	1,052	1,262	127,609
Puerto Rico	0	4	26	20	21	18	14	11	21	133
Grand Total	966	49,756	46,309	15,729	7,767	3,991	1,845	1,063	1,282	127,742

For footnotes, see Footnotes Page.

**NATIONAL HIGHWAY SYSTEM LENGTH - 2024  
MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN**

TABLE HM-47  
SHEET 3 OF 4

November 2025

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)																			
	INTERSTATE SYSTEM										OTHER									
	NOT REPORTED (2)	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	TOTAL REPORTED	NOT REPORTED (2)	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	TOTAL REPORTED
Alabama	1	310	60	23	18	9	4	4	5	434	22	465	462	146	77	45	25	14	22	1,257
Alaska	-	30	35	10	4	2	1	1	0	82	1	26	51	20	13	7	5	11	164	164
Arizona	2	128	70	17	7	4	2	2	2	233	12	168	191	125	111	81	51	36	51	815
Arkansas	-	167	91	33	21	11	7	4	5	338	42	133	246	98	62	47	26	19	57	688
California	0	260	415	211	162	102	52	27	26	1,255	57	398	978	870	980	1,012	825	748	2,138	7,951
Colorado	-	62	131	55	38	23	11	5	7	333	-	110	377	254	215	149	94	70	157	1,426
Connecticut	-	146	117	29	13	6	2	1	2	317	1	107	297	188	137	82	51	34	64	959
Delaware	0	13	13	7	4	2	1	0	1	41	15	36	112	41	23	12	8	5	11	248
District of Columbia	1	-	2	2	2	1	1	1	1	11	4	1	1	2	5	9	10	13	77	119
Florida	-	530	206	49	26	13	6	2	1	834	17	1,350	1,785	674	359	199	107	67	119	4,660
Georgia	-	370	130	51	24	14	6	2	1	598	-	626	906	342	192	106	56	34	52	2,315
Hawaii	-	5	13	9	7	7	5	2	1	49	4	31	78	49	39	39	27	18	46	327
Idaho	0	51	31	6	2	2	1	0	0	95	6	46	89	40	27	19	11	9	18	259
Illinois	-	400	337	91	52	31	19	12	16	958	2	338	696	526	437	328	220	168	403	3,116
Indiana	6	218	123	60	39	24	12	6	4	487	21	190	217	94	56	34	19	12	13	634
Iowa	1	47	83	30	17	8	4	2	1	191	4	101	235	201	151	106	62	46	93	995
Kansas	3	135	63	24	15	7	4	2	1	250	24	155	147	64	47	32	22	15	22	503
Kentucky	2	137	57	23	15	10	7	2	3	253	45	186	252	116	63	37	22	15	22	712
Louisiana	3	128	87	52	50	44	25	13	14	414	63	115	219	147	133	122	88	73	170	1,067
Maine	0	75	26	5	2	1	0	0	0	109	3	40	43	19	14	14	9	5	14	158
Maryland	0	132	136	34	18	12	7	6	12	358	7	196	352	145	104	83	65	55	194	1,194
Massachusetts	-	367	74	25	18	13	6	4	6	513	75	276	376	306	282	276	197	161	420	2,294
Michigan	1	250	260	69	45	26	16	11	15	694	481	333	574	393	296	215	142	115	229	2,297
Minnesota	-	124	144	40	19	11	3	2	1	344	0	283	322	146	86	45	19	12	15	927
Mississippi	-	159	52	15	14	11	6	4	4	264	-	162	290	158	116	80	51	36	101	994
Missouri	0	293	142	42	27	21	9	6	5	544	2	324	419	206	140	101	63	48	81	1,383
Montana	-	54	24	4	3	1	0	0	1	87	-	33	63	35	21	19	11	10	19	210
Nebraska	-	17	36	14	5	2	1	0	0	73	6	31	106	64	53	51	39	34	95	472
Nevada	-	109	35	15	12	5	2	0	0	179	-	108	107	67	41	31	15	13	20	403
New Hampshire	-	80	14	2	0	0	-	-	-	96	-	123	98	37	22	18	10	6	15	328
New Jersey	-	171	129	32	19	14	8	5	8	387	0	428	564	276	225	204	146	125	330	2,298
New Mexico	-	85	48	13	9	9	5	3	3	174	0	77	114	68	52	39	25	17	43	436
New York	42	237	345	121	75	50	33	21	40	921	157	160	881	622	481	379	272	252	855	3,902
North Carolina	0	342	188	45	23	11	7	5	5	625	23	192	526	379	264	158	83	58	76	1,737
North Dakota	-	22	32	8	3	1	0	-	-	66	2	31	61	35	26	17	13	8	16	207
Ohio	1	471	291	81	51	30	15	8	9	957	5	372	666	332	252	197	129	91	211	2,251
Oklahoma	9	94	116	44	23	15	7	4	4	308	16	72	209	119	81	57	31	27	44	640
Oregon	-	121	67	14	9	4	3	1	1	220	5	125	244	150	124	84	56	39	92	914
Pennsylvania	-	305	217	73	39	27	15	11	19	708	0	269	715	542	458	357	235	179	385	3,141
Rhode Island	-	42	8	3	2	0	0	0	0	55	10	41	59	39	50	52	37	36	88	402
South Carolina	6	218	100	24	20	10	5	3	2	382	6	190	473	248	168	104	56	31	36	1,307
South Dakota	-	20	50	10	4	2	1	1	-	88	10	13	37	25	22	19	12	9	10	146
Tennessee	0	389	80	23	13	6	3	2	4	521	274	479	566	219	132	86	48	32	64	1,625
Texas	11	359	580	248	156	89	39	20	11	1,500	135	765	1,856	1,141	814	596	369	283	683	6,506
Utah	-	76	107	40	19	14	5	1	0	263	27	155	268	122	66	43	22	12	18	705
Vermont	-	29	15	5	3	0	0	0	0	52	3	17	24	12	7	6	4	3	7	80
Virginia	-	216	257	67	31	19	12	8	7	617	0	144	588	359	271	209	121	84	98	1,876
Washington	-	135	122	47	23	13	6	4	6	356	15	190	416	279	239	197	140	113	297	1,870
West Virginia	0	67	73	17	12	8	4	2	1	185	2	20	127	70	45	31	18	13	21	345
Wisconsin	-	98	125	58	38	22	7	3	2	353	20	166	273	252	240	229	162	133	319	1,774
Wyoming	-	42	32	11	7	6	4	2	2	106	6	42	53	24	17	13	8	5	12	174
U.S. Total	91	8,338	5,992	2,033	1,258	771	398	226	263	19,278	1,634	10,439	18,808	10,900	8,345	6,482	4,337	3,450	8,455	71,213
Puerto Rico	2	7	51	41	29	27	20	14	33	222	10	2	20	33	48	58	54	51	144	411
Grand Total	92	8,345	6,043	2,074	1,287	798	418	240	296	19,500	1,644	10,441	18,828	10,933	8,393	6,540	4,390	3,501	8,599	71,624

For footnotes, see Footnotes Page.

# NATIONAL HIGHWAY SYSTEM LENGTH - 2024

## MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN

TABLE HM-47  
SHEET 4 OF 4

November 2025

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)									
	TOTAL URBAN NHS									
	NOT REPORTED (2)	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	TOTAL REPORTED
Alabama	23	775	522	169	96	54	30	18	27	1,691
Alaska	1	56	86	41	24	15	8	6	11	246
Arizona	14	296	262	142	118	85	53	38	53	1,048
Arkansas	42	299	337	131	83	58	33	23	63	1,026
California	57	658	1,393	1,082	1,142	1,114	877	775	2,164	9,206
Colorado	-	171	508	309	253	173	105	75	164	1,759
Connecticut	1	254	414	217	150	88	53	35	66	1,276
Delaware	15	49	124	48	27	13	9	6	12	289
District of Columbia	5	1	3	5	7	11	11	14	78	130
Florida	17	1,879	1,991	723	386	213	113	69	120	5,494
Georgia	-	996	1,037	393	217	119	62	36	54	2,913
Hawaii	4	35	91	58	45	46	32	20	47	376
Idaho	6	97	120	46	29	21	13	10	18	354
Illinois	2	738	1,033	617	489	359	239	180	419	4,074
Indiana	27	408	340	155	95	58	31	18	17	1,121
Iowa	5	148	318	232	167	114	66	48	94	1,186
Kansas	27	290	210	88	61	39	25	16	23	753
Kentucky	47	323	309	139	78	47	29	18	24	965
Louisiana	66	244	306	200	183	165	113	86	184	1,481
Maine	4	115	70	25	15	14	9	5	14	268
Maryland	7	328	488	179	123	95	72	61	206	1,552
Massachusetts	75	643	449	331	301	289	204	164	426	2,807
Michigan	483	583	835	461	341	241	158	127	244	2,991
Minnesota	0	407	466	186	104	56	22	14	16	1,271
Mississippi	-	322	342	173	129	90	57	40	105	1,258
Missouri	2	618	561	248	167	122	72	54	86	1,927
Montana	-	87	87	39	24	20	11	10	20	297
Nebraska	6	48	142	77	57	53	39	34	95	546
Nevada	-	218	142	82	54	36	17	14	20	583
New Hampshire	-	202	112	39	23	18	10	6	15	425
New Jersey	0	599	693	308	245	218	154	130	338	2,685
New Mexico	0	162	162	81	61	48	29	20	46	610
New York	199	397	1,226	744	556	429	304	272	895	4,823
North Carolina	23	534	714	424	287	169	90	63	80	2,362
North Dakota	2	53	94	43	29	18	13	8	16	273
Ohio	6	844	957	413	304	227	144	99	220	3,208
Oklahoma	26	166	326	163	104	72	38	31	48	948
Oregon	5	246	310	165	133	88	59	40	93	1,134
Pennsylvania	0	574	932	616	497	385	250	191	404	3,849
Rhode Island	10	83	67	42	52	52	37	36	88	457
South Carolina	12	409	573	272	188	114	61	34	38	1,689
South Dakota	10	33	87	35	26	20	13	9	10	234
Tennessee	275	868	646	242	144	92	52	34	68	2,146
Texas	146	1,123	2,436	1,389	969	685	408	303	693	8,006
Utah	27	231	376	162	85	57	27	13	18	967
Vermont	3	46	39	17	10	6	4	3	8	132
Virginia	0	361	845	426	302	228	133	92	105	2,492
Washington	15	325	538	326	262	210	147	117	303	2,227
West Virginia	2	88	200	87	57	39	22	15	22	530
Wisconsin	20	264	398	310	278	250	169	136	321	2,127
Wyoming	6	85	85	35	24	18	11	7	14	280
U.S. Total	1,725	18,777	24,800	12,932	9,603	7,252	4,734	3,676	8,717	90,491
Puerto Rico	12	9	71	74	77	85	74	65	178	633
Grand Total	1,736	18,786	24,870	13,006	9,680	7,338	4,808	3,741	8,895	91,124

For footnotes, see Footnotes Page.

# **NATIONAL HIGHWAY SYSTEM LENGTH - 2024**

## **MILES BY MEASURED PAVEMENT ROUGHNESS**

HM-47 Footnotes Page:

(1) Data are reported as the International Roughness Index (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.

(2) May include sections entirely on structures and unpaved miles.