

FUNCTIONAL SYSTEM LENGTH - 2013
MILES BY MEASURED PAVEMENT ROUGHNESS - RURAL

TABLE HM-64
SHEET 1 OF 4

OCTOBER 1, 2014

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)									
	INTERSTATE									TOTAL REPORTED
	NOT REPORTED (2)	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	
Alabama	-	328	182	40	30	16	7	3	4	610
Alaska	0	138	370	185	133	87	41	30	39	1,024
Arizona	2	486	291	75	36	16	7	4	3	919
Arkansas	20	168	118	39	16	8	6	4	3	363
California	38	204	501	190	142	56	29	16	31	1,169
Colorado	-	124	277	141	54	39	28	15	7	684
Connecticut	-	17	18	7	1	1	-	0	0	43
Delaware	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	0	489	229	20	7	3	0	0	-	748
Georgia	29	230	182	50	22	12	5	3	2	507
Hawaii	-	-	-	-	-	-	-	-	-	-
Idaho	-	247	181	43	26	11	6	4	3	522
Illinois	-	584	607	89	7	0	-	-	-	1,286
Indiana	92	355	164	45	29	21	12	8	10	644
Iowa	35	230	217	67	31	14	6	3	6	574
Kansas	-	447	165	21	8	6	-	-	-	647
Kentucky	12	434	116	22	8	3	1	1	1	585
Louisiana	38	184	146	78	58	40	12	4	4	525
Maine	-	189	80	18	12	-	-	0	-	299
Maryland	0	56	67	12	4	1	1	1	1	142
Massachusetts	-	20	35	5	2	1	0	0	1	64
Michigan	-	204	218	66	35	22	12	4	3	564
Minnesota	4	190	253	71	38	20	9	4	4	590
Mississippi	-	279	141	24	12	8	4	2	2	473
Missouri	0	496	277	39	14	9	3	2	1	841
Montana	-	389	578	79	27	12	5	2	3	1,095
Nebraska	-	246	132	38	1	2	-	-	-	417
Nevada	5	289	130	12	9	10	4	2	1	457
New Hampshire	-	104	21	8	5	3	1	1	1	142
New Jersey	-	27	13	3	1	0	0	0	0	45
New Mexico	2	574	208	40	13	7	3	1	1	846
New York	5	206	451	123	40	19	6	3	12	860
North Carolina	3	341	173	34	16	10	3	1	0	578
North Dakota	-	208	236	50	13	3	1	-	0	511
Ohio	0	201	360	57	14	9	0	0	1	643
Oklahoma	-	177	334	97	33	7	2	-	0	650
Oregon	2	257	214	52	14	6	3	2	2	551
Pennsylvania	0	401	509	132	58	12	3	2	0	1,118
Rhode Island	-	13	5	-	-	-	-	-	-	18
South Carolina	-	260	253	49	17	2	0	0	0	581
South Dakota	-	141	358	76	17	6	1	-	-	599
Tennessee	5	583	71	14	7	3	2	1	1	682
Texas	0	788	949	206	78	34	10	5	10	2,080
Utah	-	330	299	40	11	4	0	-	-	684
Vermont	1	202	66	7	3	1	0	-	-	279
Virginia	-	224	315	74	28	10	3	1	2	658
Washington	-	154	146	51	27	16	12	9	10	425
West Virginia	-	40	259	37	30	3	-	-	-	369
Wisconsin	-	200	142	53	33	19	10	4	3	464
Wyoming	-	356	300	79	42	20	7	3	2	810
U.S. Total	294	12,811	11,355	2,756	1,261	614	271	144	173	29,385
Puerto Rico (4)	-	-	1	10	4	11	5	4	7	42
Grand Total	294	12,811	11,356	2,766	1,265	625	276	148	180	29,427

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2013
MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN

TABLE HM-64
SHEET 3 OF 4

OCTOBER 1, 2014

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)									
	INTERSTATE									TOTAL REPORTED
	NOT REPORTED (2)	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	
Alabama	-	162	107	42	31	22	12	8	8	392
Alaska	-	13	26	8	5	2	1	1	1	57
Arizona	0	139	76	19	7	3	1	0	0	247
Arkansas	7	72	95	38	19	16	11	7	7	265
California	46	56	432	268	177	106	62	45	52	1,198
Colorado	-	57	112	45	30	13	6	3	2	268
Connecticut	-	91	122	44	21	13	5	3	4	303
Delaware	-	3	19	9	4	2	2	1	1	41
Dist. of Columbia	-	-	-	0	6	2	1	-	3	12
Florida	3	375	278	46	26	10	5	2	1	744
Georgia	12	343	218	68	32	19	9	5	6	700
Hawaii	0	1	11	7	11	7	7	5	5	55
Idaho	-	29	33	13	8	4	2	1	1	90
Illinois	-	226	593	36	42	1	1	-	-	899
Indiana	67	141	115	53	32	19	12	6	8	386
Iowa	25	29	51	26	16	9	5	4	7	147
Kansas	-	94	70	44	16	3	0	-	-	227
Kentucky	12	115	61	9	4	2	1	1	0	192
Louisiana	8	77	94	51	39	40	25	14	14	354
Maine	-	27	32	5	4	0	0	-	-	68
Maryland	0	111	138	31	19	14	9	6	11	338
Massachusetts	1	239	193	23	16	13	7	8	10	510
Michigan	-	168	254	109	59	37	23	15	14	680
Minnesota	3	74	127	52	25	16	11	6	7	317
Mississippi	-	108	68	20	13	11	4	2	1	228
Missouri	41	237	168	45	21	15	6	4	3	497
Montana	-	39	46	6	3	3	1	0	1	98
Nebraska	-	4	27	26	4	3	1	-	-	64
Nevada	4	56	38	13	14	6	2	1	1	130
New Hampshire	-	62	15	3	1	1	0	-	-	83
New Jersey	3	126	128	50	26	17	13	9	15	383
New Mexico	-	107	27	8	6	2	2	0	1	152
New York	2	88	384	144	76	64	28	26	47	857
North Carolina	13	260	244	80	40	21	8	6	3	661
North Dakota	-	20	32	7	1	0	-	0	0	60
Ohio	0	225	459	147	56	30	8	3	3	931
Oklahoma	-	48	130	53	23	12	4	4	9	283
Oregon	1	59	78	15	9	6	4	2	2	176
Pennsylvania	4	164	325	151	58	23	9	4	1	735
Rhode Island	-	19	25	6	2	0	-	0	-	52
South Carolina	-	94	122	29	16	6	2	-	-	270
South Dakota	0	12	38	21	7	1	0	0	-	80
Tennessee	13	264	85	25	13	6	4	3	3	404
Texas	-	295	517	220	136	78	34	30	24	1,335
Utah	-	70	113	50	18	2	0	0	-	253
Vermont	0	23	14	1	1	1	0	-	0	40
Virginia	0	90	177	72	48	34	18	10	10	461
Washington	-	94	134	47	28	15	9	6	6	339
West Virginia	-	17	128	24	10	2	3	2	0	186
Wisconsin	-	75	69	63	34	18	8	7	5	279
Wyoming	-	24	45	18	8	3	3	2	1	104
U.S. Total	267	5,321	6,893	2,391	1,322	754	392	261	297	17,630
Puerto Rico (4)	2	-	30	74	47	44	28	7	6	236
Grand Total	269	5,321	6,923	2,465	1,369	798	420	268	303	17,866

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2013
MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN

TABLE HM-64
 SHEET 4 OF 4

OCTOBER 1, 2014

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)																			
	OTHER FREEWAYS AND EXPRESSWAYS										OTHER PRINCIPAL ARTERIAL									
	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	-	15	17	6	2	2	0	0	0	42	-	370	416	161	85	45	30	23	35	1,165
Alaska	-	-	-	-	-	-	-	-	-	-	1	3	41	27	21	15	8	6	9	131
Arizona	24	97	70	10	3	1	1	0	1	184	925	97	188	92	61	40	24	20	45	566
Arkansas	6	23	50	17	10	9	8	6	4	127	79	40	211	155	95	77	42	28	44	692
California	82	60	449	369	208	153	77	41	32	1,389	1,476	38	318	527	766	1,031	833	800	1,253	5,565
Colorado	-	49	125	61	34	19	9	5	11	313	47	50	166	155	146	128	82	67	180	975
Connecticut	-	54	94	46	24	10	6	2	4	240	-	6	99	133	131	112	67	50	92	689
Delaware	-	5	15	7	2	1	1	0	-	30	-	8	73	37	19	11	8	6	13	176
Dist. of Columbia	-	-	1	1	5	4	1	3	2	16	1	-	0	0	0	4	4	7	90	106
Florida	10	200	264	45	24	16	6	5	2	561	406	811	1,437	450	227	119	58	37	64	3,202
Georgia	3	41	55	21	14	7	3	2	2	146	150	503	913	300	151	85	47	31	129	2,159
Hawaii	0	-	7	7	5	4	2	3	4	34	3	25	46	38	43	40	26	20	36	274
Idaho	-	-	-	-	-	-	-	-	-	-	50	29	92	70	54	43	26	21	75	410
Illinois	-	12	44	24	8	10	7	-	1	105	-	175	715	708	514	433	234	168	209	3,156
Indiana	19	49	36	22	13	9	4	4	5	144	51	250	455	236	185	142	105	76	198	1,646
Iowa	-	-	-	-	-	-	-	-	-	-	389	58	143	105	73	52	32	23	48	534
Kansas	-	57	96	24	9	2	-	2	-	190	0	49	178	88	152	93	100	42	25	727
Kentucky	3	27	22	7	5	2	1	0	0	65	38	106	150	81	54	37	21	15	28	491
Louisiana	1	5	10	5	7	10	6	5	4	52	83	62	206	145	134	126	87	81	191	1,032
Maine	-	0	9	4	4	1	0	0	-	18	-	3	41	21	27	16	8	9	10	135
Maryland	2	80	119	42	21	16	8	5	11	302	7	135	294	157	120	87	62	58	273	1,186
Massachusetts	3	70	140	49	25	18	12	6	12	332	23	35	206	293	313	286	207	175	429	1,944
Michigan	-	101	148	57	25	14	8	4	4	361	-	159	496	372	323	272	190	160	397	2,369
Minnesota	2	22	66	30	17	10	6	4	4	160	39	158	264	119	83	55	33	22	38	772
Mississippi	-	29	30	7	5	3	2	1	0	77	5	130	298	151	106	80	55	36	111	968
Missouri	34	138	179	50	26	16	6	4	4	422	351	102	254	129	83	52	28	17	24	690
Montana	-	-	-	-	-	-	-	-	-	-	6	23	71	40	30	21	15	14	33	248
Nebraska	-	9	37	12	3	12	7	6	5	92	115	10	26	24	50	56	55	40	29	291
Nevada	0	24	12	8	7	3	1	0	0	55	20	120	103	38	22	14	7	4	9	316
New Hampshire	-	48	20	4	1	0	1	0	0	75	2	47	71	31	18	14	9	10	20	220
New Jersey	2	90	175	74	41	23	17	13	18	451	30	97	268	234	237	227	156	135	419	1,773
New Mexico	-	-	-	-	-	-	-	-	-	-	90	95	157	97	80	61	37	26	59	610
New York	1	36	238	147	106	98	69	43	75	811	42	44	475	471	377	275	205	153	903	2,901
North Carolina	22	103	202	62	30	17	7	3	4	427	128	118	608	367	244	140	70	48	120	1,715
North Dakota	-	-	-	-	-	-	-	-	-	-	-	20	44	32	29	18	16	9	20	188
Ohio	0	101	288	86	51	20	11	4	17	579	12	98	513	412	349	279	198	157	303	2,310
Oklahoma	-	7	90	47	21	15	5	2	4	191	31	47	205	194	153	123	113	93	180	1,107
Oregon	1	24	21	5	2	2	1	0	1	57	10	75	207	138	99	75	48	38	71	750
Pennsylvania	2	47	201	140	67	43	16	5	2	520	219	77	489	483	466	366	246	180	287	2,594
Rhode Island	-	7	32	24	10	1	3	1	-	77	4	-	7	21	45	69	58	44	100	345
South Carolina	-	7	46	17	6	4	1	0	0	81	-	81	310	268	175	105	32	18	23	1,010
South Dakota	-	2	2	10	-	0	-	-	-	14	26	9	24	22	16	22	8	1	0	102
Tennessee	3	67	45	18	10	5	3	2	2	152	27	399	510	211	139	93	58	42	81	1,533
Texas	109	157	510	278	169	106	45	22	18	1,305	168	454	1,457	921	700	537	359	302	881	5,611
Utah	-	2	7	2	1	0	-	-	-	13	7	75	250	151	87	41	21	11	11	647
Vermont	0	2	9	2	2	1	1	0	0	17	6	4	29	17	11	11	8	6	12	99
Virginia	5	31	108	43	21	13	6	2	3	227	37	30	310	277	212	179	114	89	100	1,312
Washington	-	93	184	67	30	16	11	7	9	417	-	31	191	193	203	174	145	135	345	1,418
West Virginia	3	-	1	1	3	3	1	-	2	10	14	3	111	80	54	31	16	17	19	331
Wisconsin	-	62	95	87	76	36	16	6	5	383	-	93	296	312	311	271	189	153	350	1,976
Wyoming	-	-	2	1	0	0	0	-	0	3	5	17	77	43	26	18	12	8	21	221
U.S. Total	337	2,051	4,369	2,046	1,156	755	393	220	275	11,266	5,124	5,464	14,509	9,825	8,100	6,700	4,617	3,729	8,443	61,386
Puerto Rico (4)	2	-	-	3	9	12	11	7	8	50	13	-	4	26	53	65	74	55	111	388
Grand Total	339	2,051	4,369	2,049	1,165	767	404	227	283	11,316	5,137	5,464	14,513	9,851	8,153	6,765	4,691	3,784	8,554	61,774

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2013

MILES BY MEASURED PAVEMENT ROUGHNESS

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- (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. Includes structures.
- (2) May include unpaved miles.
- (3) Estimated from sample data.
- (4) 2009 data.