

NATIONAL HIGHWAY SYSTEM TRAVEL - 2014
DAILY TRAVEL BY MEASURED PAVEMENT ROUGHNESS - RURAL

HM-47A
SHEET 1 OF 4

OCTOBER 2015

(THOUSANDS)

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	9,122	4,598	1,081	647	217	100	69	75	15,908	6	7,160	5,304	973	391	232	101	66	55	14,283
Alaska	32	577	881	322	191	101	46	26	25	2,169	57	139	375	130	88	60	36	24	48	900
Arizona	9	8,674	5,253	1,273	529	374	133	70	69	16,376	198	3,860	2,729	950	512	232	80	32	22	8,416
Arkansas	35	4,609	3,464	1,025	533	277	116	69	55	10,148	281	1,800	4,620	1,789	1,040	560	228	107	78	10,222
California	755	10,051	13,876	5,080	4,936	3,065	1,647	1,068	1,664	41,388	16,101	3,165	8,145	4,376	2,561	1,531	462	375	449	21,063
Colorado	-	2,053	5,441	2,082	1,013	504	280	138	94	11,603	-	2,034	4,956	2,388	1,179	510	224	139	122	11,553
Connecticut	-	425	603	169	24	31	17	9	7	1,284	-	320	832	418	191	95	31	23	28	1,938
Delaware	-	-	-	-	-	-	-	-	-	-	-	815	2,319	649	53	41	10	7	3	3,899
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	3,130	12,908	7,922	662	287	68	29	9	10	21,896	515	10,014	11,093	1,719	552	265	66	41	34	23,783
Georgia	4	10,233	6,138	1,634	622	301	128	61	55	19,173	387	5,057	7,850	1,936	715	298	98	59	73	16,085
Hawaii	-	-	-	-	-	-	-	-	-	-	0	18	261	196	139	100	50	39	44	846
Idaho	-	3,286	2,137	593	203	78	36	29	12	6,374	85	2,046	2,867	702	271	147	64	38	29	6,164
Illinois	-	11,196	9,063	2,129	587	-	-	-	-	22,975	-	1,790	4,740	1,811	1,127	519	138	38	39	10,203
Indiana	1,951	10,407	3,861	1,245	653	473	244	185	243	17,312	23	6,924	4,937	1,321	687	335	180	77	152	14,613
Iowa	56	5,927	4,542	1,374	577	258	119	63	131	12,991	512	3,736	5,015	2,381	1,432	891	523	347	585	14,910
Kansas	-	5,989	2,463	444	199	61	25	6	3	9,189	82	6,548	4,092	840	288	149	61	31	21	12,031
Kentucky	233	15,158	3,247	770	253	154	46	13	12	19,654	214	7,239	5,641	1,115	392	177	72	36	37	14,708
Louisiana	25	7,585	3,739	2,357	1,692	950	249	114	88	16,774	239	1,610	3,175	1,276	911	682	421	268	355	8,698
Maine	-	4,800	833	356	-	116	-	3	-	6,107	-	374	2,037	1,556	650	367	180	7	7	5,178
Maryland	30	2,319	2,734	415	127	68	50	20	47	5,780	94	2,900	2,163	335	222	133	62	49	45	5,908
Massachusetts	2,174	-	-	-	-	-	-	-	-	-	1,011	-	-	-	-	-	-	-	-	-
Michigan	0	3,842	5,957	1,814	813	475	274	91	132	13,399	31	7,472	6,106	1,725	740	429	217	112	149	16,950
Minnesota	-	4,151	4,328	980	489	339	173	60	30	10,548	46	6,047	6,862	2,832	1,360	763	369	212	250	18,695
Mississippi	-	5,487	2,736	753	359	186	91	90	41	9,743	-	5,671	6,126	1,766	1,013	579	256	113	90	15,614
Missouri	7	11,522	5,664	896	345	140	66	45	15	18,693	76	8,016	9,009	2,030	764	344	169	87	69	20,487
Montana	-	2,787	3,347	427	163	69	22	7	10	6,833	-	2,183	3,027	719	293	136	58	30	59	6,505
Nebraska	-	3,964	2,735	580	16	43	-	-	-	7,337	100	2,538	3,924	1,598	809	256	152	181	68	9,526
Nevada	0	3,048	1,040	333	281	241	178	131	192	5,443	22	1,589	1,509	525	138	52	30	33	46	3,921
New Hampshire	-	2,442	316	52	8	14	5	1	4	2,840	7	1,377	1,255	372	215	152	95	66	107	3,619
New Jersey	-	1,471	1,256	180	66	48	29	5	19	3,074	1	513	1,119	560	421	269	160	68	132	3,241
New Mexico	14	8,695	2,227	404	179	85	51	19	16	11,675	20	3,786	2,887	686	353	167	85	53	39	8,056
New York	-	3,184	9,492	1,808	751	266	153	78	128	15,860	7	907	6,360	2,432	1,394	648	233	150	99	12,224
North Carolina	329	9,010	4,501	929	461	259	57	31	29	15,276	464	6,320	10,382	2,576	995	439	183	101	143	21,138
North Dakota	-	1,937	2,135	381	95	15	4	1	1	4,569	1	3,413	2,944	794	256	117	55	28	48	7,655
Ohio	9	8,577	11,327	2,082	563	196	53	4	1	22,804	7	4,874	7,934	2,117	779	234	63	35	22	16,059
Oklahoma	-	5,609	5,524	1,470	412	208	216	23	5	13,467	-	1,693	6,435	2,270	1,844	568	383	141	138	13,472
Oregon	32	3,903	4,305	961	250	71	43	15	8	9,556	80	2,548	5,107	1,679	644	315	138	63	43	10,538
Pennsylvania	42	11,791	12,411	2,746	1,120	507	185	206	106	29,073	267	3,942	7,514	2,571	1,426	806	408	234	245	17,146
Rhode Island	-	669	103	18	9	4	-	-	4	806	11	6	98	155	98	81	46	35	95	612
South Carolina	-	7,659	9,794	1,974	440	111	14	-	3	19,995	-	861	6,492	2,275	1,046	384	31	116	13	11,217
South Dakota	-	867	3,822	439	83	5	11	-	0	5,228	4	934	3,865	1,779	824	606	187	74	16	8,284
Tennessee	27	18,730	2,172	328	255	100	51	35	17	21,689	68	7,116	4,567	1,022	518	200	103	58	35	13,620
Texas	-	15,975	20,238	4,540	1,590	633	216	103	49	43,345	57	14,761	23,518	8,995	3,883	1,795	731	358	425	54,466
Utah	-	4,369	3,205	306	7	3	-	0	-	7,891	-	523	2,460	1,247	361	101	42	21	0	4,755
Vermont	18	2,125	763	83	66	13	-	1	-	3,052	4	443	845	263	122	62	26	29	34	1,824
Virginia	27	6,301	13,138	4,149	1,529	374	103	37	22	25,652	211	3,589	11,659	3,318	1,253	420	156	83	49	20,528
Washington	-	5,338	3,574	1,284	686	500	316	187	183	12,069	-	2,346	4,974	1,779	690	335	146	102	72	10,444
West Virginia	-	784	5,706	859	395	31	-	-	-	7,775	17	372	3,603	1,849	734	444	135	43	60	7,440
Wisconsin	-	4,268	4,264	2,110	1,338	801	354	213	78	13,425	0	3,663	5,746	7,007	2,820	1,719	763	451	559	22,726
Wyoming	0	3,059	2,597	568	295	120	50	26	23	6,738	10	1,088	2,003	704	300	123	47	21	33	4,319
U.S. Total	8,942	286,882	229,474	56,468	26,136	12,950	5,977	3,362	3,705	624,954	21,316	166,139	241,481	84,504	39,493	19,845	8,555	4,903	5,365	570,285
Puerto Rico (3)	-	-	52	362	107	368	149	93	205	1,337	-	-	29	26	118	3	-	-	-	177
Grand Total	8,942	286,882	229,526	56,829	26,244	13,318	6,126	3,455	3,910	626,291	21,316	166,139	241,510	84,530	39,611	19,848	8,555	4,903	5,365	570,461

For footnotes, see Footnotes Page.

NATIONAL HIGHWAY SYSTEM TRAVEL - 2014
DAILY TRAVEL BY MEASURED PAVEMENT ROUGHNESS - RURAL

HM-47A
SHEET 2 OF 4

OCTOBER 2015

(THOUSANDS)

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	10	16,282	9,902	2,054	1,038	449	201	135	130	30,190
Alaska	89	716	1,256	452	279	161	82	50	72	3,069
Arizona	207	12,534	7,982	2,223	1,041	606	213	102	90	24,792
Arkansas	316	6,410	8,084	2,814	1,573	836	344	176	133	20,370
California	16,856	13,215	22,021	9,455	7,497	4,596	2,110	1,443	2,113	62,452
Colorado	-	4,087	10,398	4,470	2,191	1,014	504	277	216	23,156
Connecticut	-	745	1,435	587	215	126	48	32	35	3,222
Delaware	-	815	2,319	649	53	41	10	7	3	3,899
Dist. of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	3,644	22,922	19,015	2,381	839	333	96	50	44	45,679
Georgia	391	15,291	13,989	3,570	1,337	599	225	120	128	35,259
Hawaii	0	18	261	196	139	100	50	39	44	846
Idaho	85	5,333	5,004	1,294	474	225	100	67	40	12,537
Illinois	-	12,986	13,803	3,940	1,714	519	138	38	39	33,178
Indiana	1,974	17,331	8,798	2,566	1,340	808	423	262	395	31,924
Iowa	568	9,664	9,557	3,755	2,008	1,149	642	410	715	27,901
Kansas	82	12,537	6,555	1,284	487	209	85	37	25	21,220
Kentucky	447	22,396	8,888	1,885	645	331	118	50	49	34,362
Louisiana	264	9,195	6,914	3,633	2,603	1,631	670	382	443	25,473
Maine	-	5,173	2,870	1,911	650	483	180	10	7	11,285
Maryland	124	5,219	4,897	750	349	200	112	69	91	11,688
Massachusetts	3,186	-	-	-	-	-	-	-	-	-
Michigan	31	11,314	12,063	3,539	1,553	904	491	203	281	30,349
Minnesota	46	10,198	11,190	3,812	1,848	1,101	543	272	280	29,243
Mississippi	-	11,158	8,862	2,519	1,371	765	348	203	131	25,357
Missouri	83	19,538	14,673	2,925	1,109	484	234	132	84	39,181
Montana	-	4,970	6,374	1,146	457	204	80	37	68	13,337
Nebraska	100	6,501	6,659	2,177	825	298	152	181	68	16,862
Nevada	22	4,637	2,549	858	419	292	207	164	238	9,365
New Hampshire	7	3,818	1,570	425	223	146	99	67	111	6,460
New Jersey	1	1,983	2,375	740	487	316	188	73	151	6,315
New Mexico	34	12,481	5,113	1,090	532	252	135	72	55	19,731
New York	7	4,091	15,851	4,241	2,144	914	386	228	227	28,083
North Carolina	793	15,329	14,883	3,505	1,455	698	240	132	172	36,415
North Dakota	1	5,350	5,078	1,176	352	132	58	29	49	12,224
Ohio	15	13,451	19,261	4,199	1,342	430	117	39	23	38,863
Oklahoma	-	7,301	11,959	3,741	2,256	777	600	164	143	26,939
Oregon	112	6,451	9,412	2,640	894	386	181	78	51	20,094
Pennsylvania	309	15,733	19,925	5,317	2,546	1,313	593	440	351	46,219
Rhode Island	11	675	200	172	106	85	46	35	99	1,419
South Carolina	-	8,520	16,286	4,249	1,486	494	45	116	15	31,212
South Dakota	4	1,801	7,687	2,218	907	610	197	74	16	13,512
Tennessee	95	25,846	6,739	1,350	773	300	154	94	53	35,308
Texas	57	30,735	43,757	13,535	5,474	2,428	948	461	474	97,811
Utah	-	4,892	5,666	1,553	368	103	42	22	0	12,646
Vermont	22	2,569	1,609	346	188	75	26	30	34	4,876
Virginia	238	9,890	24,797	7,468	2,781	795	258	120	71	46,180
Washington	-	7,685	8,548	3,063	1,376	834	462	289	256	22,512
West Virginia	17	1,155	9,309	2,708	1,129	475	135	43	60	15,015
Wisconsin	0	7,931	10,010	9,117	4,157	2,520	1,117	664	637	36,151
Wyoming	10	4,147	4,600	1,272	595	243	97	47	56	11,057
U.S. Total	30,258	453,022	470,955	140,971	65,629	32,795	14,532	8,265	9,070	1,195,239
Puerto Rico (3)	-	-	82	388	225	371	149	93	205	1,513
Grand Total	30,258	453,022	471,036	141,359	65,855	33,166	14,681	8,358	9,275	1,196,752

For footnotes, see Footnotes Page.

NATIONAL HIGHWAY SYSTEM TRAVEL - 2014
DAILY TRAVEL BY MEASURED PAVEMENT ROUGHNESS - URBAN

HM-47A
SHEET 4 OF 4

OCTOBER 2015

(THOUSANDS)

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)									
	TOTAL URBAN NHS									TOTAL REPORTED
	NOT REPORTED (2)	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	
Alabama	509	17,963	15,242	5,064	3,607	2,294	1,450	1,068	1,245	47,933
Alaska	75	827	1,623	691	426	359	238	130	312	4,608
Arizona	4,534	22,259	17,753	4,756	2,431	1,018	567	354	911	50,049
Arkansas	1,265	4,226	8,360	4,079	2,435	1,891	1,121	813	1,023	23,948
California	71,326	21,910	110,515	72,030	61,892	51,550	35,721	31,172	48,933	433,724
Colorado	6	4,610	19,093	11,734	9,477	5,923	3,715	2,415	4,225	61,191
Connecticut	2	10,956	16,420	7,207	5,034	3,347	1,885	1,198	2,067	48,114
Delaware	1	790	5,338	2,075	941	532	415	230	434	10,755
Dist. of Columbia	3	-	16	260	605	380	403	537	2,742	4,942
Florida	14,933	63,260	91,976	25,183	13,332	7,100	3,136	1,914	2,554	208,455
Georgia	5,077	44,231	39,205	12,706	6,541	3,803	2,164	1,402	2,150	112,203
Hawaii	9	493	2,494	1,940	2,025	1,738	1,384	880	1,290	12,245
Idaho	201	2,325	3,271	1,328	796	509	345	242	491	9,308
Illinois	-	10,026	45,259	22,655	19,943	11,157	5,320	4,022	6,570	124,951
Indiana	2,469	13,597	16,750	8,858	5,974	4,276	2,815	2,205	3,727	58,201
Iowa	875	3,999	5,440	2,760	1,712	1,175	755	544	1,555	17,941
Kansas	839	6,675	5,607	2,576	2,045	1,081	716	507	299	19,506
Kentucky	1,601	12,916	10,441	3,252	1,883	985	640	341	466	30,924
Louisiana	2,247	7,859	10,224	6,420	5,829	5,386	3,466	2,609	4,500	46,293
Maine	-	879	1,691	860	505	376	76	116	119	4,621
Maryland	1,892	24,516	31,257	9,901	6,386	4,696	2,808	2,079	4,859	86,503
Massachusetts	92,581	-	-	-	-	-	-	-	-	-
Michigan	47	16,711	36,172	18,619	12,075	8,408	6,083	4,674	9,276	112,018
Minnesota	372	9,373	19,352	7,905	4,439	2,776	1,645	1,017	1,443	47,951
Mississippi	0	7,476	7,972	3,319	2,279	1,600	986	741	1,643	26,016
Missouri	4,929	23,732	21,719	7,061	4,193	2,642	1,463	821	975	62,606
Montana	68	1,043	1,417	640	411	280	171	98	305	4,366
Nebraska	37	428	2,788	2,509	1,228	1,658	1,658	1,060	1,041	12,369
Nevada	1,425	6,415	7,849	3,358	2,294	1,275	484	176	255	22,106
New Hampshire	6	7,111	2,981	909	498	349	236	136	435	12,653
New Jersey	463	24,354	35,645	16,648	11,612	8,364	6,439	4,777	11,864	119,702
New Mexico	102	5,599	3,648	1,957	1,851	1,504	898	640	1,216	17,313
New York	782	6,416	45,222	28,105	18,520	14,163	11,294	8,525	26,272	158,516
North Carolina	4,686	23,934	38,611	15,696	8,762	4,583	2,169	1,392	2,120	97,268
North Dakota	-	665	1,290	532	404	216	184	121	246	3,659
Ohio	82	22,554	46,188	19,849	11,063	6,368	3,991	2,571	5,600	118,185
Oklahoma	671	3,035	12,070	6,968	4,262	3,211	1,961	2,109	3,000	36,616
Oregon	1,599	6,981	11,507	4,520	2,691	2,046	1,265	747	1,315	31,071
Pennsylvania	3,597	15,769	30,388	15,508	11,326	7,872	5,489	3,914	6,365	96,630
Rhode Island	842	2,180	3,539	1,605	1,069	1,002	684	581	1,435	12,095
South Carolina	11	5,469	17,674	9,545	5,210	2,266	840	284	301	41,589
South Dakota	26	169	1,446	917	430	439	183	74	131	3,788
Tennessee	979	33,110	19,727	7,411	4,200	2,664	1,573	1,208	2,009	71,904
Texas	2,527	36,148	98,730	54,366	39,447	26,725	13,688	9,753	19,956	298,813
Utah	-	5,605	14,138	7,820	3,901	1,613	421	119	90	33,705
Vermont	98	910	849	331	217	148	83	51	105	2,693
Virginia	3,842	9,612	29,963	13,995	8,895	6,116	3,489	2,517	2,419	77,007
Washington	4	14,569	21,104	9,896	7,147	5,118	3,933	3,480	7,063	72,309
West Virginia	77	802	7,639	2,276	1,262	607	322	339	268	13,516
Wisconsin	176	6,312	12,417	6,680	8,309	8,746	2,377	2,540	4,024	51,405
Wyoming	29	488	1,204	667	370	247	179	145	303	3,603
U.S. Total	227,919	571,288	1,011,224	475,946	332,183	232,583	143,326	109,390	201,949	3,077,888
Puerto Rico (3)	71	-	1,609	4,527	3,883	4,395	2,710	877	1,164	19,165
Grand Total	227,990	571,288	1,012,833	480,473	336,066	236,977	146,036	110,267	203,113	3,097,053

For footnotes, see Footnotes Page.

NATIONAL HIGHWAY SYSTEM TRAVEL - 2014

DAILY TRAVEL BY MEASURED PAVEMENT ROUGHNESS

HM-47A 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.
Travel is in thousands.
- (2) May include sections entirely on structures and unpaved miles.
- (3) 2009 data.