

NATIONAL HIGHWAY SYSTEM LENGTH - 1996

MILES BY MEASURED PAVEMENT ROUGHNESS - RURAL

TABLE HM-47
SHEET 2 OF 4

OCTOBER 1997

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) 1/									
	TOTAL RURAL NHS									
	NOT REPORTED 3/	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	TOTAL REPORTED
Alabama	-	112	1,492	749	203	61	12	2	7	2,638
Alaska	454	1	387	478	427	89	96	37	12	1,527
Arizona	-	639	813	332	191	109	25	20	4	2,133
Arkansas	194	11	568	569	420	302	138	66	33	2,107
California	-	32	1,481	1,223	1,404	518	118	59	29	4,864
Colorado	-	26	456	576	572	343	207	135	289	2,604
Connecticut	5	-	100	109	71	36	18	10	5	349
Delaware	-	-	54	50	41	15	14	9	15	198
Dist. of Columbia 4/	-	-	-	-	-	-	-	-	-	-
Florida	431	175	631	555	747	133	42	28	11	2,322
Georgia	2,909	183	112	14	1	-	-	-	-	310
Hawaii	135	-	-	-	1	1	1	1	-	4
Idaho	-	586	886	487	159	39	27	22	5	2,211
Illinois	-	63	981	1,036	670	396	125	62	36	3,369
Indiana	19	52	879	479	377	203	46	34	29	2,099
Iowa	96	173	731	567	482	390	134	35	-	2,512
Kansas	70	715	1,552	542	232	133	33	20	5	3,232
Kentucky	-	411	1,171	295	294	71	3	4	1	2,250
Louisiana	-	112	671	393	231	236	103	34	15	1,795
Maine	57	213	568	158	48	27	12	7	4	1,037
Maryland 4/	-	81	438	167	43	22	19	6	9	785
Massachusetts	15	-	165	157	79	36	18	10	9	474
Michigan	4	297	1,273	665	475	175	114	15	16	3,030
Minnesota	-	91	917	790	657	408	215	113	64	3,255
Mississippi	-	35	815	600	486	226	42	20	19	2,243
Missouri	8	115	1,123	1,341	572	171	30	9	6	3,367
Montana	-	441	1,798	720	404	254	88	27	10	3,742
Nebraska	12	697	775	428	365	150	138	86	50	2,689
Nevada	-	378	699	291	267	196	46	31	9	1,917
New Hampshire	-	25	401	142	41	11	3	-	7	630
New Jersey	103	-	30	58	245	171	44	13	1	562
New Mexico	42	63	1,176	497	389	203	113	55	95	2,591
New York	14	31	1,162	757	358	181	101	71	101	2,762
North Carolina	81	11	474	574	718	505	248	78	60	2,668
North Dakota	34	15	543	678	691	357	236	58	8	2,586
Ohio	-	450	1,681	394	113	46	20	4	2	2,710
Oklahoma 4/	-	13	818	751	575	363	121	108	82	2,831
Oregon	-	106	600	1,239	816	365	85	22	31	3,264
Pennsylvania	34	91	1,034	897	685	371	178	92	88	3,436
Rhode Island	9	-	3	23	13	9	5	1	21	75
South Carolina	16	139	991	430	239	96	17	5	4	1,921
South Dakota	44	312	406	565	673	520	183	99	19	2,777
Tennessee	1,935	33	152	42	42	7	8	-	-	284
Texas	95	4,543	3,112	531	144	32	23	11	17	8,413
Utah	-	616	910	177	50	14	2	8	1	1,778
Vermont	-	77	216	116	70	69	25	14	11	598
Virginia	-	10	784	740	391	168	57	20	19	2,189
Washington	11	-	417	824	664	423	176	50	18	2,572
West Virginia	-	168	488	318	307	144	66	11	6	1,508
Wisconsin	43	232	1,122	880	412	292	113	79	26	3,156
Wyoming	8	246	1,116	581	240	156	53	22	9	2,423
U.S. Total	6,878	12,820	39,172	24,985	17,795	9,243	3,741	1,723	1,318	110,797
Puerto Rico	19	-	-	13	43	42	13	-	7	118
Grand Total	6,897	12,820	39,172	24,998	17,838	9,285	3,754	1,723	1,325	110,915

NATIONAL HIGHWAY SYSTEM LENGTH - 1996
MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN

OCTOBER 1997

TABLE HM-47
SHEET 3 OF 4

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) 1/																			
	INTERSTATE SYSTEM 2/										OTHER									
	NOT REPORTED 3/	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	TOTAL	NOT REPORTED 3/	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	TOTAL
Alabama	-	18	129	72	45	36	5	-	-	305	-	40	318	204	71	24	4	3	3	667
Alaska	-	-	21	22	8	-	1	1	-	53	-	-	19	18	14	10	6	3	2	72
Arizona	-	59	61	37	11	3	2	-	-	173	-	50	110	90	44	25	18	8	11	356
Arkansas	6	4	9	25	28	35	17	11	6	135	18	4	49	46	42	33	22	13	16	225
California	-	22	147	191	346	205	93	56	19	1,079	-	28	238	228	613	261	100	40	37	1,545
Colorado	-	2	50	32	55	24	12	11	-	186	-	5	72	127	116	78	39	67	58	562
Connecticut	11	1	78	67	42	18	11	7	8	232	8	-	56	82	80	66	36	14	23	357
Delaware	-	-	11	6	4	8	4	3	5	41	-	1	18	17	12	4	1	1	10	64
Dist. of Columbia 4/	-	-	6	-	2	2	-	2	1	13	2	-	1	-	16	12	-	13	15	57
Florida	108	40	147	72	116	20	6	1	3	405	125	29	296	226	175	129	30	12	9	906
Georgia	324	47	59	4	-	-	-	-	-	110	703	15	2	-	-	-	-	-	-	18
Hawaii	40	-	-	-	-	2	1	-	-	3	88	-	-	2	1	8	6	2	-	19
Idaho	-	20	26	17	13	2	1	-	-	79	-	9	22	11	11	8	1	7	2	71
Illinois	-	30	124	188	152	72	48	23	5	642	-	10	97	229	276	235	198	174	439	1,658
Indiana	2	23	100	84	43	24	31	9	3	317	17	8	56	64	50	68	41	23	43	353
Iowa	2	-	32	39	37	22	15	-	-	145	166	7	32	29	40	29	13	5	3	158
Kansas	5	17	68	65	15	4	-	-	-	169	88	12	55	36	18	16	3	3	3	146
Kentucky	-	36	74	45	36	27	7	1	-	226	-	49	147	64	54	33	15	7	9	378
Louisiana	-	6	71	83	89	13	8	6	6	282	-	12	58	163	93	66	55	24	34	505
Maine	3	13	36	3	-	-	-	-	-	52	10	9	47	22	11	8	3	2	2	104
Maryland 4/	-	14	131	58	21	9	10	5	7	255	-	5	105	64	40	35	21	12	38	320
Massachusetts	-	6	172	143	53	20	5	1	3	403	263	-	88	161	162	133	77	56	122	799
Michigan	-	23	189	117	88	49	19	12	2	499	35	9	108	194	169	224	148	100	190	1,142
Minnesota	-	13	114	51	28	20	6	-	-	232	-	21	134	105	86	72	25	9	14	466
Mississippi	-	-	9	28	61	19	7	2	1	127	1	3	75	82	44	35	16	5	3	263
Missouri	-	4	94	153	72	30	10	5	1	369	63	-	44	145	144	112	48	21	32	546
Montana	-	3	24	12	3	4	5	2	-	53	1	3	10	15	10	9	4	4	8	63
Nebraska	-	8	13	8	5	8	1	-	-	43	50	6	21	19	26	33	22	25	42	194
Nevada	-	16	25	15	12	11	3	1	-	83	1	7	52	27	21	7	3	1	2	120
New Hampshire	-	11	29	8	-	-	-	-	-	48	-	-	81	13	7	2	-	1	3	107
New Jersey	34	-	21	61	78	73	22	9	5	269	225	-	28	68	293	347	100	21	3	860
New Mexico	-	7	32	24	26	9	2	6	2	108	19	9	47	24	24	19	13	6	19	161
New York	20	3	200	170	93	70	45	54	47	682	105	5	248	335	234	195	123	98	324	1,562
North Carolina	1	-	41	52	110	53	47	26	12	341	29	-	70	69	90	94	55	20	27	425
North Dakota	-	-	9	17	8	5	1	-	-	40	-	-	8	15	11	11	7	7	4	63
Ohio	-	98	365	189	50	22	11	7	1	743	-	49	364	205	132	71	33	32	29	915
Oklahoma 4/	-	1	26	57	33	25	26	24	17	209	-	-	34	53	65	51	37	20	11	271
Oregon	-	1	31	63	43	6	1	1	-	146	-	6	31	69	86	49	30	23	23	317
Pennsylvania	22	3	126	162	116	62	28	16	8	521	64	14	129	204	253	257	163	130	226	1,376
Rhode Island	-	-	17	20	9	-	1	-	1	48	2	-	19	20	28	13	12	8	22	122
South Carolina	3	6	87	36	19	6	1	-	-	155	41	15	161	97	74	46	18	9	10	430
South Dakota	-	5	-	3	21	13	7	-	-	49	33	4	2	4	4	5	2	3	4	28
Tennessee	216	5	44	28	12	10	3	3	2	107	518	8	44	25	11	11	2	2	3	106
Texas	2	297	464	199	37	27	3	1	-	1,028	120	996	1,203	438	347	184	72	37	50	3,327
Utah	-	36	65	47	15	6	-	-	-	169	-	39	89	37	21	11	6	2	1	206
Vermont	-	5	23	11	-	1	-	-	-	40	-	-	9	8	12	8	6	4	8	55
Virginia	-	2	94	156	95	30	8	7	3	395	-	1	119	215	208	116	63	58	78	858
Washington	-	-	34	61	92	24	33	13	5	262	124	-	31	95	126	93	37	24	23	429
West Virginia	-	35	13	16	9	9	8	1	-	91	-	13	32	31	10	17	3	5	6	117
Wisconsin	-	2	34	41	51	23	5	12	2	170	92	8	82	97	116	121	75	51	115	665
Wyoming	-	3	28	25	22	8	-	-	1	87	2	7	21	16	11	4	2	1	1	63
U.S. Total	799	945	3,803	3,083	2,324	1,169	580	339	176	12,419	3,013	1,516	5,182	4,609	4,602	3,498	1,814	1,216	2,160	24,597
Puerto Rico	14	-	-	22	38	23	24	7	20	134	8	-	1	14	11	22	14	6	14	82
Grand Total	813	945	3,803	3,105	2,362	1,192	604	346	196	12,553	3,021	1,516	5,183	4,623	4,613	3,520	1,828	1,222	2,174	24,679

NATIONAL HIGHWAY SYSTEM LENGTH - 1996

MILES BY MEASURED PAVEMENT ROUGHNESS - URBAN

TABLE HM-47
SHEET 4 OF 4

OCTOBER 1997

STATE	INTERNATIONAL ROUGHNESS INDEX (IRI) 1/									
	TOTAL URBAN NHS									TOTAL REPORTED
	NOT REPORTED 3/	< 60	60-94	95-119	120-144	145-170	171-194	195-220	> 220	
Alabama	-	58	447	276	116	60	9	3	3	972
Alaska	-	-	40	40	22	10	7	4	2	125
Arizona	-	109	171	127	55	28	20	8	11	529
Arkansas	24	8	58	71	70	68	39	24	22	360
California	-	50	385	419	959	466	193	96	56	2,624
Colorado	-	7	122	159	171	102	51	78	58	748
Connecticut	19	1	134	149	122	84	47	21	31	589
Delaware	-	1	29	23	16	12	5	4	15	105
Dist. of Columbia 4/	2	-	7	-	18	14	-	15	16	70
Florida	233	69	443	298	291	149	36	13	12	1,311
Georgia	1,027	62	61	5	-	-	-	-	-	128
Hawaii	128	-	-	2	1	10	7	2	-	22
Idaho	-	29	48	28	24	10	2	7	2	150
Illinois	-	40	221	417	428	307	246	197	444	2,300
Indiana	19	31	156	148	93	92	72	32	46	670
Iowa	168	7	64	68	77	51	28	5	3	303
Kansas	93	29	123	101	33	20	3	3	3	315
Kentucky	-	85	221	109	90	60	22	8	9	604
Louisiana	-	18	129	246	182	79	63	30	40	787
Maine	13	22	83	25	11	8	3	2	2	156
Maryland 4/	-	19	236	122	61	44	31	17	45	575
Massachusetts	263	6	260	304	215	153	82	57	125	1,202
Michigan	35	32	297	311	257	273	167	112	192	1,641
Minnesota	-	34	248	156	114	92	31	9	14	698
Mississippi	1	3	84	110	105	54	23	7	4	390
Missouri	63	4	138	298	216	142	58	26	33	915
Montana	1	6	34	27	13	13	9	6	8	116
Nebraska	50	14	34	27	31	41	23	25	42	237
Nevada	1	23	77	42	33	18	6	2	2	203
New Hampshire	-	11	110	21	7	2	-	1	3	155
New Jersey	259	-	49	129	371	420	122	30	8	1,129
New Mexico	19	16	79	48	50	28	15	12	21	269
New York	125	8	448	505	327	265	168	152	371	2,244
North Carolina	30	-	111	121	200	147	102	46	39	766
North Dakota	-	-	17	32	19	16	8	7	4	103
Ohio	-	147	729	394	182	93	44	39	30	1,658
Oklahoma 4/	-	1	60	110	98	76	63	44	28	480
Oregon	-	7	62	132	129	55	31	24	23	463
Pennsylvania	86	17	255	366	369	319	191	146	234	1,897
Rhode Island	2	-	36	40	37	13	13	8	23	170
South Carolina	44	21	248	133	93	52	19	9	10	585
South Dakota	33	9	2	7	25	18	9	3	4	77
Tennessee	734	13	88	53	23	21	5	5	5	213
Texas	122	1,293	1,667	637	384	211	75	38	50	4,355
Utah	-	75	154	84	36	17	6	2	1	375
Vermont	-	5	32	19	12	9	6	4	8	95
Virginia	-	3	213	371	303	146	71	65	81	1,253
Washington	124	-	65	156	218	117	70	37	28	691
West Virginia	-	48	45	47	19	26	11	6	6	208
Wisconsin	92	10	116	138	167	144	80	63	117	835
Wyoming	2	10	49	41	33	12	2	1	2	150
U.S. Total	3,812	2,461	8,985	7,692	6,926	4,667	2,394	1,555	2,336	37,016
Puerto Rico	22	-	1	36	49	45	38	13	34	216
Grand Total	3,834	2,461	8,986	7,728	6,975	4,712	2,432	1,568	2,370	37,232

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/ Although the Interstate System is part of the National Highway System, its mileage is shown separately.

3/ Some States did not report for all required systems. Includes unpaved mileage in the following systems: rural other NHS - 454 miles in Alaska, 7 miles in Georgia and 10 miles in New Mexico; urban other NHS - 2 miles in Kansas, 3 miles in Michigan, 1 mile in Mississippi, 6 miles in Nebraska and 1 mile in New Mexico.

4/ 1995 data.