

FUNCTIONAL SYSTEM LENGTH - 2018

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-73
SHEET 1 OF 8

August 30, 2019

FEDERAL-AID URBANIZED AREA (3)	STATE	UN- REPORTED (4)	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)										INTERNATIONAL ROUGHNESS INDEX (1) / PRESENT SERVICEABILITY RATING (PSR) (2)														
			INTERSTATE					OTHER FREEWAYS & EXPRESSWAYS					OTHER PRINCIPAL ARTERIAL					MINOR ARTERIAL (5)									
			< 95	95-119	120-169	170-220	> 220	TOTAL REPORTED	< 95	95-119	120-169	170-220	> 220	TOTAL REPORTED	< 95	95-119	120-169	170-220	> 220	TOTAL REPORTED	<95 >=3.5	95-119 3.1-3.4	120-169 2.6-3.0	170-220 2.1-2.5	>220 <=2.0	TOTAL REPORTED	
Aberdeen--Bel Air South--Bel Air North, MD	MD	81	19	1	0	0	0	21	8	2	1	0	0	12	23	9	8	2	2	45	0	0	0	0	0	2	
Abilene, TX	TX	83	14	1	1	0	0	16	15	2	2	0	0	20	20	9	17	10	7	63	0	0	0	0	0	0	
Aguadilla--Isabela--San Sebastian, PR	PR	3	2	5	11	4	4	26	0	0	0	0	0	0	0	3	14	10	10	37	32	0	0	0	0	32	
Akron, OH	OH	0	47	8	7	2	2	65	13	6	5	2	1	27	41	24	37	24	34	160	39	46	79	37	61	261	
Albany, GA	GA	0	0	0	0	0	0	0	5	1	1	0	0	8	46	10	5	2	0	64	21	8	77	2	1	108	
Albany, OR	OR	0	5	2	1	1	0	9	0	0	0	0	0	0	8	5	3	1	0	17	21	5	8	1	0	36	
Albany--Schenectady, NY	NY	17	62	14	9	4	2	91	13	3	3	2	1	22	60	44	53	23	20	201	53	59	73	36	36	257	
Albuquerque, NM	NM	29	58	5	6	2	1	72	0	0	0	0	0	0	96	28	66	42	43	276	1	16	43	51	57	169	
Alexandria, LA	LA	9	5	4	4	0	0	14	4	2	3	1	3	12	15	8	8	2	3	36	6	7	18	12	11	54	
Allentown, PA--NJ	NJ	0	7	0	1	0	0	8	0	0	0	0	0	1	1	1	5	3	3	12	6	3	9	5	4	27	
Allentown, PA--NJ	PA	0	35	9	5	2	1	52	23	8	5	2	1	39	38	40	53	30	22	183	38	31	61	30	29	189	
Alton, IL--MO	MO	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Altoona, PA	PA	0	13	1	0	0	0	14	1	0	0	0	0	1	16	9	9	2	2	37	9	8	7	5	4	34	
Amarillo, TX	TX	141	21	4	3	1	0	28	6	0	1	0	0	7	38	16	13	3	2	72	0	0	0	0	0	0	
Ames, IA	IA	32	2	0	0	0	0	2	0	0	0	0	0	0	9	3	5	2	2	19	0	0	0	0	0	0	
Anchorage, AK	AK	5	17	2	1	1	1	21	0	0	0	0	0	0	20	16	22	11	9	79	10	8	12	8	6	45	
Anderson, IN	IN	63	9	1	5	3	1	19	0	0	0	0	0	0	15	8	6	3	1	33	13	11	15	4	1	44	
Anderson, SC	SC	2	0	0	0	0	0	0	0	0	0	0	0	0	17	14	15	5	3	54	11	11	19	10	7	58	
Ann Arbor, MI	MI	3	22	1	2	1	0	26	18	4	2	1	0	25	17	14	20	12	13	77	39	39	63	29	43	214	
Anniston--Oxford, AL	AL	1	14	0	1	0	0	15	0	0	0	0	0	0	34	3	1	1	0	40	32	26	16	19	17	109	
Antioch, CA	CA	1	0	0	0	0	0	0	8	6	4	2	0	20	2	2	13	16	15	48	0	2	7	39	8	56	
Appleton, WI	WI	141	15	1	8	1	0	26	5	0	7	3	0	16	11	16	28	11	9	74	0	0	0	0	0	0	
Arecibo, PR	PR	1	4	2	4	4	4	19	0	0	0	0	0	0	1	2	5	3	5	17	0	0	0	0	0	0	
Arroyo Grande--Grover Beach, CA	CA	0	0	0	0	0	0	0	12	2	1	0	0	14	1	2	3	2	1	9	8	11	16	1	2	38	
Asheville, NC	NC	47	63	8	7	2	0	81	20	3	1	0	0	25	51	29	23	9	8	120	44	24	23	13	9	114	
Athens-Clarke County, GA	GA	0	0	0	0	0	0	0	10	4	5	1	0	19	37	7	3	1	1	48	7	4	109	0	2	122	
Atlanta, GA	GA	0	282	35	22	6	2	347	71	6	8	2	1	89	516	116	97	34	20	783	469	82	1545	29	29	2155	
Atlantic City, NJ	NJ	0	0	0	0	0	0	0	31	6	5	1	1	45	22	13	23	13	23	93	69	17	43	36	32	198	
Auburn, AL	AL	3	16	0	0	0	0	17	0	0	0	0	0	0	19	4	4	1	1	29	25	23	27	10	6	90	
Augusta-Richmond County, GA--SC	GA	18	24	5	2	0	0	32	5	1	1	0	0	8	66	18	16	7	4	112	34	19	128	2	0	183	
Augusta-Richmond County, GA--SC	SC	20	14	0	0	0	0	15	0	0	0	0	0	0	26	17	13	3	2	62	14	28	10	3	5	61	
Austin, TX	TX	334	50	3	2	0	0	56	87	27	13	1	0	128	137	37	40	28	44	287	0	0	0	0	0	0	
Avondale--Goodyear, AZ	AZ	6	18	0	0	0	0	18	0	0	0	0	0	0	10	3	3	1	1	17	64	41	59	25	6	195	
Bakersfield, CA	CA	1	0	0	0	0	0	0	25	5	7	2	0	38	36	43	57	23	11	170	50	36	58	32	19	194	
Baltimore, MD	MD	685	106	16	15	9	7	154	104	19	21	9	5	158	81	38	66	58	118	362	0	0	6	3	1	11	
Bangor, ME	ME	0	14	1	1	0	0	15	0	0	0	0	0	0	6	4	5	3	4	22	20	5	11	5	6	47	
Barnstable Town, MA	MA	262	10	1	0	0	0	10	58	4	3	1	0	65	29	29	50	24	12	143	10	32	43	17	8	110	
Baton Rouge, LA	LA	46	23	11	14	8	3	59	0	0	0	0	0	0	74	31	56	40	37	238	25	38	68	63	57	251	
Battle Creek, MI	MI	0	12	2	1	1	1	16	0	0	0	0	0	0	11	5	9	6	4	35	19	16	25	10	11	80	
Bay City, MI	MI	0	6	1	0	0	0	7	4	2	1	0	0	7	8	5	5	6	6	30	7	13	11	19	14	18	76
Beaumont, TX	TX	109	13	3	3	1	0	19	12	3	2	1	0	17	16	9	14	7	12	57	0	0	0	0	0	0	
Beckley, WV	WV	0	23	4	3	1	0	31	0	0	0	0	0	0	19	6	3	1	0	29	11	8	15	7	26	68	
Bellingham, WA	WA	0	9	5	4	1	0	18	0	0	0	0	0	1	2	3	4	4	6	19	13	7	26	12	21	78	
Beloit, WI--IL	IL	2	2	0	0	0	0	3	0	0	0	0	0	0	2	2	5	2	1	12	7	3	2	2	1	15	
Beloit, WI--IL	WI	40	6	0	1	0	0	8	0	0	0	0	0	0	1	2	7	8	4	23	0	0	0	0	0	0	
Bend, OR	OR	0	0	0	0	0	0	0	0	0	0	0	0	0	18	5	6	1	1	31	47	10	5	0	0	62	
Benton Harbor--St. Joseph--Fair Plain, MI	MI	0	10	2	4	1	2	19	0	0	0	0	0	0	7	7	7	6	7	34	11	8	15	17	11	61	
Billings, MT	MT	0	15	1	1	0	0	17	0	0	0	0	0	0	10	8	17	11	15	60	17	10	9	5	52		
Binghamton, NY--PA	NY	26	16	3	4	2	1	27	15	6	9	3	1	33	4	4	2	1	1	12	37	20	16	57	3	133	
Binghamton, NY--PA	PA	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Birmingham, AL	AL	2	106	15	26	14	4	165	0	1	1	0	0	3	117	24	22	10	9	181	157	82	123	69	79	509	
Bismarck, ND	ND	6	14	1	1	0	0	16	0	0	0	0	0	0	15	12	14	10	9	60	3	9	18	12	16	58	
Blacksburg, VA	VA	9	3	1	0	0	0	13	5	11	2	0	0	0	13	5	3	3	1	15	5	8	8	1	0	23	
Bloomington, IN	IN	32	9	0	0	0	0	10	6	0	0	0	0	7	16	2	2	1	0	21	3	0	0	1	0	3	
Bloomington--Normal, IL	IL	6	29	1	2	1	0	33	3	0	0	0	0	3	13	6	7	5	3	33	17	13	21	27	30	108	
Bloomsburg--Berwick, PA	PA	0	12	1	0	0	0	14	0	0	0	0	0	0	18	5	3	2	1	29	14	1	4	8	8	34	
Boise City, ID	ID	72	20	1	1	0	0	22	2	0	0	0	0	3	40	10	12	4	2	68	129	4	41	4	4	181	
Bonita Springs, FL	FL	0	22	0	0	0	0	22	0	0	0	0	0	0	30	4	2	1	0	38	66	21	9	4	2	103	
Boston, MA--NH--RI	MA	1352	237	16	16	7	3	278	128	12	13	7	7	167	106	127	307	244	338	1123	106	122	215	188	147	779	
Boston, MA--NH--RI	NH	0	8	0	0	0	0	8	2	0	0	0	0	2	20	4	3	2	2	30	17	8	11	9	3	48	
Boulder, CO	CO	0	0	0	0	0	0	0	11	1	2	1	1	15	7	3	7	4	4	25	3	6	13	11	14	46	
Bowling Green, KY	KY	0	14	1	0	0	0	15	2	0	0	0	0	2	21	3	1	1	0	26	16	4	4	0	2	26	
Bremerton, WA	WA	0	0	0	0	0	0	0	38	2	2	1	1	44	11	5	7	6	7	35	53	24	36	8	33	154	
Bridgeport--Stamford, CT--NY	CT	0	36	8	6	1	1	52																			

FUNCTIONAL SYSTEM LENGTH - 2018

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-73

August 30, 2019

SHEET 2 OF 8

FEDERAL-AID URBANIZED AREA (3)	STATE	UN- REPORTED (4)	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)												INTERNATIONAL ROUGHNESS INDEX (1) / PRESENT SERVICEABILITY RATING (PSR) (2)											
			INTERSTATE					TOTAL REPORTED	OTHER FREEWAYS & EXPRESSWAYS					TOTAL REPORTED	OTHER PRINCIPAL ARTERIAL					TOTAL REPORTED	MINOR ARTERIAL (5)					TOTAL REPORTED
			< 95	95-119	120-169	170-220	> 220		< 95	95-119	120-169	170-220	> 220		< 95	95-119	120-169	170-220	> 220		<95 >=3.5	95-119 3.1-3.4	120-169 2.6-3.0	170-220 2.1-2.5	>220 <=2.0	
Buffalo, NY	NY	167	51	8	9	3	1	72	29	10	11	9	5	64	115	76	83	33	29	336	152	79	68	33	26	358
Burlington, NC	NC	1	19	0	0	0	0	19	0	0	0	0	0	0	4	6	7	6	4	27	18	13	19	9	6	65
Burlington, VT	VT	4	25	1	1	0	0	27	6	1	0	0	0	8	18	14	15	6	5	57	17	11	10	8	4	50
Camarillo, CA	CA	0	0	0	0	0	0	0	5	1	1	0	0	8	1	5	6	4	1	16	17	2	14	2	1	36
Canton, OH	OH	0	13	1	1	1	0	16	17	2	2	2	0	23	33	13	20	14	19	100	47	21	34	24	22	149
Cape Coral, FL	FL	0	20	1	0	0	0	21	3	1	1	0	0	5	98	18	14	6	3	139	88	30	23	7	0	149
Cape Girardeau, MO--IL	IL	0	0	0	0	0	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Cape Girardeau, MO--IL	MO	11	13	1	1	0	0	14	1	2	2	1	0	7	7	2	3	1	0	14	0	0	1	11	21	34
Carbondale, IL	IL	0	4	1	0	0	0	4	0	0	0	0	0	0	25	5	5	2	2	39	6	14	19	4	5	49
Carson City, NV	NV	0	8	0	1	0	0	9	0	0	0	0	0	0	9	0	0	0	0	10	15	6	7	2	1	30
Cartersville, GA	GA	0	9	1	1	1	0	12	27	0	0	0	0	0	27	4	1	0	0	33	15	13	41	3	1	73
Casa Grande, AZ	AZ	1	10	0	2	1	0	13	0	0	0	0	0	0	2	2	1	0	0	5	14	13	12	3	1	43
Casper, WY	WY	0	9	1	2	1	1	13	2	0	0	0	0	3	23	6	8	5	3	45	24	12	7	4	3	49
Cedar Rapids, IA	IA	158	17	1	1	1	0	20	26	0	0	0	0	0	26	11	16	8	13	75	0	0	0	0	0	0
Chambersburg, PA	PA	0	11	1	0	0	0	12	0	0	0	0	0	0	17	3	4	2	2	27	0	0	0	0	0	0
Champaign, IL	IL	2	22	0	1	0	0	24	0	0	0	0	0	0	16	8	11	5	5	43	14	11	14	10	19	68
Charleston--North Charleston, SC	SC	7	28	6	9	1	0	43	7	2	4	1	0	13	63	29	33	12	8	146	39	29	46	10	13	136
Charleston, WV	WV	0	33	8	7	3	1	51	0	0	0	0	0	0	33	16	14	4	2	69	30	24	41	17	25	137
Charlotte, NC--SC	NC	122	109	25	15	4	1	154	4	1	2	1	1	9	65	49	62	26	19	221	56	37	64	46	50	252
Charlotte, NC--SC	SC	0	8	0	0	0	0	8	0	0	0	0	0	0	5	7	9	4	2	26	6	5	6	7	4	28
Charlottesville, VA	VA	12	7	0	0	0	0	8	4	1	1	0	0	6	9	3	6	4	0	22	4	3	7	3	2	19
Chattanooga, TN--GA	GA	0	10	0	1	0	0	11	0	0	0	0	0	0	15	1	1	1	0	19	23	13	53	5	3	96
Chattanooga, TN--GA	TN	230	23	5	3	2	1	33	25	3	4	1	1	33	48	15	13	7	6	89	16	9	12	7	11	55
Cheyenne, WY	WY	10	19	6	5	2	1	33	0	0	0	0	0	0	20	7	7	3	5	42	35	5	5	3	1	50
Chicago, IL--IN	IL	22	267	51	51	22	7	398	16	6	8	3	1	35	390	306	430	233	205	1565	348	415	627	402	381	2173
Chicago, IL--IN	IN	333	44	12	14	3	1	76	2	0	1	1	1	5	120	30	31	16	11	207	3	4	1	0	0	8
Chico, CA	CA	2	0	0	0	0	0	0	0	0	0	0	0	0	12	4	6	5	6	34	0	6	19	1	21	46
Cincinnati, OH--KY--IN	IN	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cincinnati, OH--KY--IN	KY	6	35	4	4	1	0	44	1	0	0	0	0	1	12	7	13	6	9	47	42	25	37	18	13	135
Cincinnati, OH--KY--IN	OH	3	93	16	14	5	2	129	24	5	5	2	0	37	65	37	59	46	70	277	84	71	117	65	118	454
Clarksville, TN--KY	KY	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	1	0	0	0	2
Clarksville, TN--KY	TN	73	12	0	0	0	0	12	0	0	0	0	0	0	29	5	2	1	0	38	0	0	0	0	0	0
Cleveland, OH	OH	0	145	26	22	8	4	205	30	10	5	4	2	50	48	45	101	73	101	368	125	69	156	163	171	684
Cleveland, TN	TN	71	18	0	0	0	0	18	5	0	0	0	0	5	24	6	2	0	0	32	0	0	0	0	0	0
Coeur d'Alene, ID	ID	22	15	1	0	0	0	17	0	0	0	0	0	0	9	1	1	1	0	12	55	10	0	2	0	68
College Station--Bryan, TX	TX	67	0	0	0	0	0	0	17	2	1	0	0	19	27	12	17	10	3	68	0	0	0	0	0	0
Colorado Springs, CO	CO	0	24	5	6	1	0	36	24	10	11	3	1	49	57	31	44	27	27	186	28	37	62	38	41	207
Columbia, MO	MO	0	10	1	1	0	0	11	16	1	1	0	0	18	7	4	5	3	1	21	4	5	20	15	10	54
Columbia, SC	SC	1	66	10	11	2	1	90	7	2	1	1	0	10	41	33	40	13	6	133	69	48	88	25	14	244
Columbus, GA--AL	AL	0	0	0	0	0	0	0	2	0	0	0	0	3	19	2	1	1	1	23	18	4	11	5	3	41
Columbus, GA--AL	GA	22	10	2	2	0	0	15	8	1	3	1	0	13	20	9	13	7	4	53	6	3	111	1	0	121
Columbus, IN	IN	27	13	1	1	1	0	15	0	0	0	0	0	0	15	5	4	1	0	24	18	1	2	0	0	21
Columbus, OH	OH	1	94	16	15	4	1	130	37	4	3	1	1	47	100	49	69	36	50	303	131	88	132	86	113	550
Concord, CA	CA	1	16	11	10	4	2	43	7	4	5	3	1	21	1	4	20	40	67	131	0	0	12	119	50	181
Concord, NC	NC	11	25	6	4	0	0	35	0	0	0	0	0	0	36	18	11	4	3	71	43	31	25	10	4	113
Conroe--The Woodlands, TX	TX	87	14	9	3	0	0	26	4	1	1	0	0	5	16	10	8	5	7	47	7	1	1	0	0	9
Conway, AR	AR	0	17	0	1	0	0	18	0	0	0	0	0	0	10	4	5	2	1	21	12	25	37	21	8	103
Corpus Christi, TX	TX	99	17	1	1	0	0	19	24	10	8	1	1	43	22	11	13	10	21	76	0	0	0	0	0	1
Corvallis, OR	OR	0	0	0	0	0	0	0	0	0	0	0	0	0	13	4	6	2	1	25	35	2	4	0	0	41
Cumberland, MD--WV--PA	MD	49	10	1	2	1	1	15	0	0	0	0	0	0	13	4	3	1	0	21	0	0	0	0	0	0
Cumberland, MD--WV--PA	PA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumberland, MD--WV--PA	WV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0	5
Dallas--Fort Worth--Arlington, TX	TX	1654	167	63	80	21	2	333	134	87	95	25	8	350	124	115	224	182	424	1068	0	0	0	1	3	4
Dalton, GA	GA	0	16	0	0	0	0	16	0	0	0	0	0	0	24	7	6	2	1	40	36	6	32	0	0	74
Danbury, CT--NY	CT	0	10	2	3	1	0	16	6	1	1	0	0	8	5	6	8	3	2	24	16	20	27	25	27	116
Danville, IL	IL	11	6	1	2	1	0	9	0	0	0	0	0	0	16	6	5	1	1	29	4	3	3	2	2	14
Daphne--Fairhope, AL	AL	0	9	0	0	0	0	10	0	0	0	0	0	0	17	2	0	0	1	20	44	23	14	5	2	88
Davenport, IA--IL	IA	111	25	4	2	1	0	32	0	0	0	0	0	0	10	11	16	6	9	53	0	0	0	0	0	0
Davenport, IA--IL	IL	3	37	3	3	1	0	44	2	0	1	0	0	4	23	10	14	10	6	63	17	5	13	20	28	83
Davis, CA	CA	0	4	0	0	0	0	5	4	0	0	0	0	5	0	0	1	2	1	5	0	0	15	8	8	31
Dayton, OH	OH	0	76	7	5	1	0	89	16	4	5	1	0	27	58	34	53	29	37	210	64	43	71	48	60	287
Decatur, AL	AL	0	7	0	0	0	0	7	0	0	0	0	0	0	38	7	3	2	1	52	1	9	22	11	10	55
Decatur, IL	IL	0	12	1	1	0	0	13	4	1	2	2	1	9	18	10	15	8	4	54	10	13	19	17	14	73
DeKalb, IL	IL	1	9	0	0	0	0	9	0	0	0	0	0	0	1	4	6	2	1	15	8	1				

FUNCTIONAL SYSTEM LENGTH - 2018

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-73
SHEET 3 OF 8

August 30, 2019

FEDERAL-AID URBANIZED AREA (3)	STATE	UN- REPORTED (4)	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)											INTERNATIONAL ROUGHNESS INDEX (1) / PRESENT SERVICEABILITY RATING (PSR) (2)												
			INTERSTATE					TOTAL REPORTED	OTHER FREEWAYS & EXPRESSWAYS					TOTAL REPORTED	OTHER PRINCIPAL ARTERIAL					TOTAL REPORTED	MINOR ARTERIAL (5)					
			< 95	95-119	120-169	170-220	> 220		< 95	95-119	120-169	170-220	> 220		< 95	95-119	120-169	170-220	> 220		<95 >=3.5	95-119 3.1-3.4	120-169 2.6-3.0	170-220 2.1-2.5	>220 <=2.0	TOTAL REPORTED
Des Moines, IA	IA	334	43	9	6	1	0	59	0	0	0	0	0	0	46	31	34	19	14	144	0	0	0	0	0	0
Detroit, MI	MI	18	135	41	40	17	7	240	54	14	11	4	1	84	173	176	298	219	253	1119	145	171	380	367	432	1495
Dothan, AL	AL	3	0	0	0	0	0	0	0	0	0	0	0	0	48	6	3	2	1	60	49	30	20	8	12	118
Dover, DE	DE	5	0	0	0	0	0	0	14	4	2	1	0	21	6	4	2	0	0	12	29	12	13	4	2	59
Dover--Rochester, NH--ME	ME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	0	6
Dover--Rochester, NH--ME	NH	0	0	0	0	0	0	0	18	1	0	0	0	19	11	3	3	0	1	18	27	11	19	4	9	71
Dubuque, IA--IL	IA	51	0	0	0	0	0	0	0	0	0	0	0	0	7	5	10	4	4	29	0	0	0	0	0	0
Dubuque, IA--IL	IL	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	0	7	0	0	0	0	2	3
Duluth, MN--WI	MN	0	3	1	3	3	2	13	0	0	0	1	0	1	15	8	7	2	2	34	35	3	15	18	15	87
Duluth, MN--WI	WI	21	0	0	1	0	0	1	3	0	1	0	0	4	3	1	7	4	1	16	0	0	1	1	0	2
Durham, NC	NC	0	40	3	2	1	0	45	20	8	5	2	0	35	20	16	25	16	16	92	34	34	35	14	20	138
East Stroudsburg, PA--NJ	NJ	0	4	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1
East Stroudsburg, PA--NJ	PA	0	10	2	1	1	1	14	1	0	1	1	0	3	0	1	2	1	1	5	0	5	14	9	12	40
Eau Claire, WI	WI	83	11	2	1	0	0	13	14	8	4	1	0	27	11	13	16	8	4	52	0	0	0	0	0	0
El Centro--Calexico, CA	CA	3	5	0	0	0	0	5	0	0	0	0	0	0	8	6	15	7	9	44	20	2	8	5	9	44
Elizabethtown--Radcliff, KY	KY	0	3	0	0	0	0	3	1	0	0	0	0	1	17	2	2	0	0	21	24	14	12	3	3	56
Elkhart, IN--MI	IN	131	13	1	1	0	0	16	1	2	5	2	1	10	28	7	8	5	1	48	0	0	0	0	0	0
Elkhart, IN--MI	MI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	3
Elmira, NY	NY	2	11	3	1	1	0	15	0	0	0	0	0	0	24	7	6	2	2	41	7	13	15	6	7	48
El Paso de Robles (Paso Robles)--Atascadero, CA	CA	0	0	0	0	0	0	0	18	1	1	0	0	20	5	3	3	3	1	14	8	8	12	20	21	68
El Paso, TX--NM	NM	0	6	0	0	0	0	6	0	0	0	0	0	0	7	4	2	1	1	14	11	11	5	1	1	29
El Paso, TX--NM	TX	196	21	11	9	1	0	43	38	9	8	2	0	57	43	35	63	39	37	216	0	0	2	2	2	5
Erie, PA	PA	0	12	0	0	0	0	13	0	0	0	0	0	0	23	12	17	7	6	65	55	14	12	13	18	113
Eugene, OR	OR	0	14	1	1	1	0	17	11	3	2	1	0	17	16	9	9	4	2	40	97	14	5	3	0	119
Evansville, IN--KY	IN	81	6	7	6	2	0	21	0	0	0	0	0	0	27	6	11	4	2	50	25	3	0	0	0	28
Evansville, IN--KY	KY	8	0	0	0	0	0	8	3	1	0	0	0	4	5	2	6	4	2	18	8	3	3	0	1	15
Fairbanks, AK	AK	3	11	7	6	1	0	25	0	0	0	0	0	0	10	5	4	2	1	22	10	7	7	8	6	38
Fairfield, CA	CA	0	15	1	1	1	0	18	3	1	0	0	0	3	2	2	9	8	7	28	7	17	7	7	4	42
Fajardo, PR	PR	1	1	1	2	4	9	17	0	0	0	0	0	0	0	0	0	1	3	4	0	0	0	0	0	0
Fargo, ND--MN	MN	0	6	1	0	0	0	6	0	0	0	0	0	0	3	3	2	1	1	11	13	5	3	4	4	29
Fargo, ND--MN	ND	3	16	4	2	0	0	23	0	0	0	0	0	0	4	6	10	4	5	29	25	16	21	16	14	93
Farmington, NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6	9	3	5	32	0	7	11	9	7	34
Fayetteville, NC	NC	13	11	0	0	0	0	12	20	2	1	0	0	25	53	21	20	7	5	105	50	40	39	18	11	157
Fayetteville--Springdale--Rogers, AR--MO	AR	5	32	2	2	0	0	35	3	0	1	0	0	4	49	18	14	3	2	86	94	88	79	32	3	296
Fayetteville--Springdale--Rogers, AR--MO	MO	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
Flagstaff, AZ	AZ	2	8	5	6	1	0	20	0	0	0	0	0	0	5	2	3	1	0	11	5	7	11	4	1	29
Flint, MI	MI	0	41	5	8	7	2	63	8	4	2	0	0	15	25	21	29	19	24	118	60	21	60	78	86	306
Florence, AL	AL	0	0	0	0	0	0	0	0	0	0	0	0	0	38	7	5	2	1	52	9	7	17	13	23	69
Florence, SC	SC	0	14	0	1	0	0	14	0	0	1	1	0	2	17	6	8	2	1	34	9	25	26	10	10	79
Florida--Imbrey--Barceloneta, PR	PR	1	3	2	4	1	0	11	0	0	0	0	0	0	0	1	4	4	4	14	0	0	0	0	0	0
Fond du Lac, WI	WI	67	6	2	1	0	0	9	0	1	2	0	0	3	4	4	8	3	7	25	0	0	0	0	0	0
Fort Collins, CO	CO	0	13	3	3	1	0	20	1	2	2	0	0	6	23	6	8	4	3	44	59	40	48	27	13	187
Fort Smith, AR--OK	AR	9	24	5	4	1	0	34	4	1	1	0	0	7	7	10	15	7	3	42	18	9	44	14	18	102
Fort Smith, AR--OK	OK	6	0	0	0	0	0	6	0	0	0	0	0	0	3	1	1	0	0	5	0	0	0	0	0	0
Fort Walton Beach--Navarre--Wright, FL	FL	0	0	0	0	0	0	0	0	0	0	0	0	0	66	7	5	2	0	79	28	7	3	1	0	38
Fort Wayne, IN	IN	236	15	8	6	1	1	31	5	1	0	1	0	6	15	7	6	3	2	33	10	2	0	1	0	13
Frederick, MD	MD	52	24	1	0	0	0	26	16	0	0	0	0	17	10	1	2	1	2	16	0	0	0	0	0	0
Fredericksburg, VA	VA	13	12	1	0	0	0	13	0	0	0	0	0	0	16	9	10	3	1	39	9	2	6	4	2	23
Fresno, CA	CA	1	0	0	0	0	0	0	33	13	7	1	0	53	21	22	48	18	14	122	24	50	77	108	39	298
Gadsden, AL	AL	0	10	3	1	1	0	15	0	0	0	0	0	0	48	4	4	2	1	60	22	9	18	2	9	65
Gainesville, FL	FL	0	9	0	0	0	0	10	0	0	0	0	0	0	39	8	6	2	0	54	40	10	12	1	0	63
Gainesville, GA	GA	0	12	2	1	0	0	16	1	0	0	0	0	1	49	6	5	2	0	62	51	7	42	1	2	103
Gastonia, NC--SC	NC	1	23	1	1	0	0	24	8	0	0	0	0	9	18	18	22	6	5	71	13	47	65	14	14	153
Gastonia, NC--SC	SC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Gilroy--Morgan Hill, CA	CA	0	0	0	0	0	0	0	4	3	4	3	1	16	2	3	8	3	3	19	0	0	0	2	35	37
Glens Falls, NY	NY	1	17	1	0	0	0	18	0	0	0	0	0	0	19	8	11	4	2	45	6	11	20	21	20	78
Goldensboro, NC	NC	2	8	0	0	0	0	8	18	2	1	0	0	21	11	3	3	0	0	17	24	19	19	6	8	77
Grand Forks, ND--MN	MN	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	5	1	2	1	1	3	8
Grand Forks, ND--MN	ND	6	2	1	2	0	0	6	0	0	0	0	0	0	7	4	5	2	2	20	1	2	6	8	12	28
Grand Island, NE	NE	44	0	0	0	0	0	0	2	0	0	0	0	2	5	2	3	3	3	14	12	5	1	0	0	17
Grand Junction, CO	CO	0	23	1	1	0	0	25	0	0	0	0	0	0	15	8	7	2	1	33	8	11	25	12	19	74
Grand Rapids, MI	MI	3	33	7	7	1	1	50	32	9	7	1	0	48	62	32	48	23	15	179	101	61	126	70	65	424
Grants Pass, OR	OR	0	23	1	1	0	0	25	0	0	0	0	0	0	14	5	3	1	0	23	21	3	14	5	0	43
Great Falls, MT	MT	0	7	0	1	0	0	8	0	0	0	0	0	0	8	4	8	6	6	32	3	3	7	10	13	36
Greeley, CO	CO	0	0	0	0	0	0	0	18	5	3	1	1	27	3	5	6	3	1	18	18	10	25			

FUNCTIONAL SYSTEM LENGTH - 2018

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-73
SHEET 6 OF 8

August 30, 2019

FEDERAL-AID URBANIZED AREA (3)	STATE	UN- REPORTED (4)	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)											INTERNATIONAL ROUGHNESS INDEX (I) / PRESENT SERVICEABILITY RATING (PSR) (2)												
			INTERSTATE					OTHER FREEWAYS & EXPRESSWAYS					OTHER PRINCIPAL ARTERIAL					MINOR ARTERIAL (5)								
			< 95	95-119	120-169	170-220	> 220	TOTAL REPORTED	< 95	95-119	120-169	170-220	> 220	TOTAL REPORTED	< 95	95-119	120-169	170-220	> 220	TOTAL REPORTED	< 95 >=3.5	95-119 3.1-3.4	120-169 2.6-3.0	170-220 2.1-2.5	> 220 <=2.0	TOTAL REPORTED
Monessen--California, PA	PA	0	9	2	1	0	0	12	8	2	2	0	0	13	15	7	7	1	1	30	17	11	16	9	3	57
Monroe, LA	LA	5	11	1	1	2	1	15	0	0	0	0	0	0	15	3	6	7	8	39	13	10	35	21	22	101
Monroe, MI	MI	0	6	1	1	2	1	11	0	0	0	0	0	0	6	3	3	1	1	14	10	8	10	6	13	47
Montgomery, AL	AL	1	32	2	3	1	0	38	7	1	0	0	0	9	60	10	14	5	7	96	64	27	34	20	16	161
Morgantown, WV	WV	0	21	1	2	1	1	25	1	1	1	0	0	4	3	5	6	4	4	22	5	3	9	8	8	34
Morristown, TN	TN	37	1	0	0	0	0	2	0	0	0	0	0	0	36	5	6	2	0	50	0	0	0	0	0	0
Mount Vernon, WA	WA	0	7	0	0	0	0	7	0	0	0	0	0	0	4	3	3	2	3	14	15	6	12	4	7	45
Muncie, IN	IN	112	0	0	0	0	0	0	6	1	0	0	0	7	19	4	3	1	0	27	3	0	3	0	3	10
Murrieta--Temecula--Menifee, CA	CA	0	31	5	5	0	0	42	0	0	0	0	0	0	2	4	13	6	4	29	11	28	33	17	16	105
Muskegon, MI	MI	1	9	0	0	0	0	9	17	1	1	0	0	19	17	10	17	6	5	55	58	29	27	14	14	141
Myrtle Beach--Socastee, SC--NC	NC	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1	0	0	0	16	0	0	0	0	0	0
Myrtle Beach--Socastee, SC--NC	SC	8	0	0	0	0	0	0	17	2	2	0	0	21	39	27	25	8	3	101	2	18	51	31	19	120
Nampa, ID	ID	42	16	2	2	0	0	19	0	0	0	0	0	0	29	10	9	5	4	57	24	0	10	46	9	89
Napa, CA	CA	0	0	0	0	0	0	0	2	3	3	1	0	10	2	3	5	5	5	20	4	1	2	5	9	20
Nashua, NH--MA	MA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	1	1	9	0	0	0	0	0	0
Nashua, NH--MA	NH	0	11	1	1	0	0	12	17	0	0	0	0	17	34	6	8	4	10	62	31	17	34	15	13	110
Nashville-Davidson, TN	TN	444	154	13	6	2	1	175	58	6	6	1	0	72	258	65	64	24	17	428	0	0	0	0	0	0
Newark, OH	OH	0	2	1	0	0	0	3	12	1	1	0	0	15	14	3	3	2	1	23	8	3	10	2	2	25
New Bedford, MA	MA	144	14	0	0	0	0	15	15	1	1	0	0	17	1	2	4	2	5	14	0	0	3	3	2	8
New Bern, NC	NC	2	0	0	0	0	0	0	6	1	2	1	1	11	14	4	5	2	2	28	2	2	3	1	1	9
New Haven, CT	CT	0	57	6	3	1	0	67	33	5	3	0	0	41	18	22	40	20	14	114	51	50	96	54	58	310
New Orleans, LA	LA	87	21	8	31	9	2	71	0	0	2	2	1	5	66	26	43	25	29	189	56	35	52	37	89	268
New York--Newark, NY--NJ--CT	CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New York--Newark, NY--NJ--CT	NJ	0	187	22	28	16	12	265	182	28	24	13	10	258	308	128	241	197	289	1164	622	194	473	493	463	2246
New York--Newark, NY--NJ--CT	NY	502	98	46	47	22	16	228	107	84	130	80	58	460	97	146	294	265	631	1433	129	208	672	641	548	2197
Norman, OK	OK	66	8	1	1	0	0	10	3	0	0	0	0	4	2	1	2	1	1	6	6	7	8	7	13	41
North Port--Port Charlotte, FL	FL	0	14	0	0	0	0	15	0	0	0	0	0	0	28	7	8	1	1	44	37	9	11	2	1	60
Norwich--New London, CT--RI	CT	0	52	2	1	0	0	54	6	1	3	0	0	11	17	8	14	5	3	46	13	23	41	18	11	105
Norwich--New London, CT--RI	RI	15	0	0	0	0	0	0	1	2	1	0	0	4	2	1	2	2	3	11	0	1	2	0	1	4
Ocala, FL	FL	0	16	0	0	0	0	16	0	0	0	0	0	0	43	9	5	1	1	60	45	19	9	3	4	81
Odessa, TX	TX	72	21	1	1	0	0	22	6	0	0	0	0	6	62	14	14	9	7	105	0	0	0	0	0	0
Ogden--Layton, UT	UT	2	52	7	5	1	0	66	11	0	0	0	0	11	78	26	22	6	2	134	34	21	41	20	20	136
Oklahoma City, OK	OK	409	63	13	13	8	3	100	29	6	4	1	0	39	10	4	16	6	5	41	75	65	87	53	73	352
Olympia--Lacey, WA	WA	0	15	2	0	0	0	18	7	1	0	0	0	8	7	7	11	7	9	41	55	24	21	15	9	124
Omaha, NE--IA	IA	61	5	4	3	1	1	13	0	0	0	0	0	0	2	3	3	2	4	14	0	0	0	0	0	0
Omaha, NE--IA	NE	139	23	5	4	2	1	35	31	11	5	4	8	60	10	10	26	24	40	111	102	44	13	7	10	177
Orlando, FL	FL	0	32	4	3	1	0	41	129	12	7	3	1	149	171	48	35	9	6	269	179	75	60	15	11	339
Oshkosh, WI	WI	39	9	1	0	0	0	11	0	0	1	0	0	2	5	4	10	5	8	31	0	0	0	0	0	0
Owensboro, KY	KY	17	0	0	0	0	0	0	12	1	1	0	0	13	3	2	3	3	2	13	10	6	5	2	1	25
Oxnard, CA	CA	0	0	0	0	0	0	0	11	6	5	2	1	24	21	18	43	21	10	111	6	5	41	10	14	77
Palm Bay--Melbourne, FL	FL	0	40	0	0	0	0	40	11	1	1	0	0	13	107	27	18	7	3	162	79	19	33	10	10	150
Palm Coast--Daytona Beach--Port Orange, FL	FL	0	50	2	2	0	0	55	0	0	0	0	0	0	123	33	22	6	2	185	37	18	22	7	5	89
Panama City, FL	FL	0	0	0	0	0	0	0	0	0	0	0	0	0	50	7	3	1	0	61	40	6	7	2	0	56
Parkersburg, WV--OH	OH	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	3	1	1	14	3	2	1	1	0	7
Parkersburg, WV--OH	WV	0	9	0	1	0	0	10	0	0	0	0	0	0	13	6	7	2	1	30	12	14	12	6	5	49
Pascagoula, MS	MS	0	2	0	0	0	0	2	0	0	0	0	0	0	29	6	5	1	2	42	12	4	6	4	3	30
Pensacola, FL--AL	AL	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1	0	0	6	4	1	0	0	0	5
Pensacola, FL--AL	FL	0	30	2	2	1	0	34	0	0	0	0	0	0	62	11	9	4	2	88	92	32	23	6	7	161
Peoria, IL	IL	5	30	2	3	1	1	37	1	0	5	3	1	10	26	16	22	10	9	84	47	27	24	25	33	156
Petaluma, CA	CA	0	0	0	0	0	0	0	5	2	1	0	0	8	0	4	1	2	2	8	2	8	1	1	5	16
Philadelphia, PA--NJ--DE--MD	DE	1	22	7	8	3	1	41	6	3	1	0	0	10	52	25	25	13	14	129	29	17	23	16	26	110
Philadelphia, PA--NJ--DE--MD	MD	40	8	0	0	0	0	9	0	0	0	0	0	0	18	3	2	1	1	25	0	0	0	0	0	0
Philadelphia, PA--NJ--DE--MD	NJ	0	47	8	7	3	2	67	62	14	8	3	1	88	91	45	65	51	67	320	120	57	215	142	116	650
Philadelphia, PA--NJ--DE--MD	PA	0	113	20	19	9	6	167	61	29	35	12	6	144	92	133	316	199	181	920	29	105	360	324	195	1013
Phoenix--Mesa, AZ	AZ	111	64	5	2	0	0	170	150	18	12	2	0	183	74	46	104	66	25	314	173	263	592	314	130	1473
Pine Bluff, AR	AR	4	10	3	3	1	0	7	0	0	0	0	0	0	12	7	8	2	1	30	15	8	30	9	2	64
Pittsburgh, PA	PA	0	151	20	18	8	2	200	62	17	13	5	2	99	175	101	126	59	60	521	197	153	273	162	149	934
Pittsfield, MA	MA	40	0	0	0	0	0	0	0	0	0	0	0	0	17	10	10	5	5	47	1	0	0	0	0	2
Pocatello, ID	ID	20	12	2	2	0	0	16	0	0	0	0	0	0	8	3	4	3	1	19	21	15	4	3	0	43
Ponce, PR	PR	3	2	1	4	4	5	15	1	2	2	1	3	9	0	1	3	2	4	10	0	23	3	0	10	35
Port Arthur, TX	TX	127	3	2	1	1	1	8	13	2	2	0	0	17	26	11	20	15	9	81	4	0	1	0	0	5
Porterville, CA	CA	0	0	0	0	0	0	0	0	0	0	0	0	0	12	2	2	1	0	17	9	1	8	4	5	28
Port Huron, MI	MI	2	12	1	0	0	0	13	1	0	0	0	0	1	9	8	10	3	1	31	27	17	23	13	14	93

FUNCTIONAL SYSTEM LENGTH - 2018

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-73
SHEET 7 OF 8

August 30, 2019

FEDERAL-AID URBANIZED AREA (3)	STATE	UN- REPORTED (4)	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)												INTERNATIONAL ROUGHNESS INDEX (1) / PRESENT SERVICEABILITY RATING (PSR) (2)												
			INTERSTATE					OTHER FREEWAYS & EXPRESSWAYS					OTHER PRINCIPAL ARTERIAL					MINOR ARTERIAL (5)									
			< 95	95-119	120-169	170-220	> 220	TOTAL REPORTED	< 95	95-119	120-169	170-220	> 220	TOTAL REPORTED	< 95	95-119	120-169	170-220	> 220	TOTAL REPORTED	>=3.5	3.1-3.4	2.6-3.0	2.1-2.5	<=2.0	TOTAL REPORTED	
Port St. Lucie, FL	FL	1	21	0	1	0	0	22	22	1	1	0	0	24	55	27	27	7	4	120	71	42	47	18	7	185	
Pottstown, PA	PA	0	0	0	0	0	0	0	4	2	2	0	1	9	9	13	13	7	4	46	11	7	14	4	4	40	
Poughkeepsie--Newburgh, NY--NJ	NJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	13	2	0	0	23	
Poughkeepsie--Newburgh, NY--NJ	NY	16	50	8	7	2	1	68	16	5	5	2	1	28	50	29	37	16	8	140	73	56	66	44	21	260	
Prescott Valley--Prescott, AZ	AZ	2	0	0	0	0	0	0	13	1	1	0	0	14	14	2	3	0	0	19	20	8	14	9	5	56	
Providence, RI--MA	MA	116	30	2	2	1	0	35	10	2	2	1	0	15	5	9	21	11	8	54	10	13	36	21	22	102	
Providence, RI--MA	RI	157	43	5	4	1	1	52	44	13	11	4	3	75	22	25	88	77	100	313	9	17	41	42	75	185	
Provo--Orem, UT	UT	3	31	6	2	0	0	40	0	0	0	0	0	0	57	23	20	6	3	109	18	16	32	22	20	107	
Pueblo, CO	CO	3	12	2	2	0	1	16	21	7	3	1	0	32	6	3	6	3	2	19	14	23	38	32	44	151	
Racine, WI	WI	65	4	0	0	0	0	5	0	0	0	0	0	0	10	11	18	11	10	59	0	0	0	0	3	3	
Raleigh, NC	NC	10	65	9	8	1	0	82	35	5	5	1	1	47	98	29	28	9	8	173	135	130	133	34	30	462	
Rapid City, SD	SD	2	19	4	1	1	0	25	5	3	3	0	0	12	8	4	5	1	1	18	10	16	20	11	13	69	
Reading, PA	PA	0	6	1	1	1	0	8	12	6	7	2	1	28	26	15	16	6	7	69	16	8	42	15	24	105	
Redding, CA	CA	2	21	1	0	0	0	23	12	3	3	2	0	21	4	1	3	1	0	10	32	13	27	24	9	105	
Reno, NV--CA	NV	11	22	9	7	2	0	40	10	2	3	1	0	16	48	14	19	10	7	99	53	42	56	31	22	203	
Richmond, VA	VA	352	99	21	11	4	1	136	41	10	10	2	0	64	37	56	95	35	15	238	16	37	59	30	13	156	
Riverside--San Bernardino, CA	CA	2	56	23	28	9	2	118	26	16	21	7	1	71	17	20	64	51	58	210	59	83	323	163	72	700	
Roanoke, VA	VA	48	22	3	2	0	0	27	3	0	0	0	0	4	30	13	15	6	2	65	23	22	16	7	2	70	
Rochester, MN	MN	6	0	0	0	0	0	0	6	5	2	1	0	14	8	0	0	0	0	8	19	11	17	7	5	59	
Rochester, NY	NY	156	47	12	7	1	0	66	33	8	4	1	0	46	54	32	25	7	7	126	111	60	60	19	25	275	
Rockford, IL	IL	3	27	2	2	1	0	32	9	2	1	1	0	13	37	19	33	27	27	143	7	20	55	29	38	149	
Rock Hill, SC	SC	0	6	0	0	0	0	6	0	1	1	1	1	5	15	12	13	5	5	51	7	9	14	15	10	55	
Rocky Mount, NC	NC	7	3	0	0	0	0	4	12	0	1	0	0	14	18	6	7	3	2	36	15	13	23	8	2	61	
Rome, GA	GA	0	0	0	0	0	0	0	2	1	1	0	0	3	40	8	5	2	1	56	18	3	40	1	1	61	
Round Lake Beach--McHenry--Grayslake, IL	WI	8	0	0	0	0	0	0	1	3	2	1	2	8	4	5	6	5	1	20	0	0	0	0	0	0	
Sacramento, CA	CA	11	38	14	10	2	1	64	55	11	8	2	0	76	20	43	111	105	106	386	12	31	218	68	67	396	
Saginaw, MI	MI	0	9	1	7	2	0	19	0	0	0	0	0	0	7	8	23	15	18	71	10	18	37	19	30	115	
Salem, OR	OR	0	12	2	1	0	0	15	9	2	1	1	0	12	17	14	16	8	5	60	88	11	7	1	0	107	
Salinas, CA	CA	0	0	0	0	0	0	0	12	5	6	1	0	24	8	9	11	7	5	40	0	2	11	13	4	30	
Salisbury, MD--DE	DE	0	0	0	0	0	0	0	0	0	0	0	0	0	6	3	1	1	0	11	3	0	1	1	0	5	
Salisbury, MD--DE	MD	36	0	0	0	0	0	0	11	1	1	0	0	14	25	3	2	1	1	32	0	0	0	0	0	0	
Salt Lake City--West Valley City, UT	UT	10	36	14	15	3	0	68	5	2	1	0	0	8	121	39	45	17	13	235	22	31	63	38	60	213	
San Angelo, TX	TX	0	0	0	0	0	0	0	12	0	1	0	0	13	25	3	3	1	0	32	0	0	0	0	0	0	
San Antonio, TX	TX	773	140	21	12	3	0	177	42	10	8	1	0	62	98	61	81	43	67	349	2	3	12	2	1	19	
San Diego, CA	CA	32	108	26	23	4	0	161	56	108	29	5	1	123	20	56	29	118	76	63	306	153	75	79	155	274	737
San Francisco--Oakland, CA	CA	6	56	25	37	19	7	144	43	24	29	10	4	111	7	24	104	125	203	463	9	17	73	337	409	846	
San Germán--Cabo Rojo--Sabana Grande, F	PR	0	3	2	3	1	1	10	0	0	0	0	0	0	0	1	5	4	6	16	0	0	0	0	0	0	
San Jose, CA	CA	1	19	8	11	4	0	42	40	16	16	6	2	80	17	20	109	87	84	317	0	27	14	29	301	371	
San Juan, PR	PR	75	24	18	26	15	16	99	7	5	8	7	16	44	4	8	47	62	117	239	81	12	13	62	283	451	
San Luis Obispo, CA	CA	0	0	0	0	0	0	0	7	0	0	0	0	7	5	3	4	2	1	14	17	4	2	0	1	26	
San Marcos, TX	TX	15	9	0	0	0	0	9	0	0	0	0	0	0	8	3	4	1	1	17	0	0	0	0	0	0	
Santa Barbara, CA	CA	0	0	0	0	0	0	0	23	10	7	2	0	42	6	6	15	12	16	55	0	5	12	30	21	68	
Santa Clarita, CA	CA	0	1	2	4	4	3	14	7	1	1	0	0	10	4	9	16	8	5	41	0	3	11	20	0	35	
Santa Cruz, CA	CA	0	0	0	0	0	0	0	13	2	4	1	1	21	1	2	5	5	7	20	2	7	19	20	26	74	
Santa Fe, NM	NM	0	13	1	0	0	0	14	0	0	0	0	0	0	22	8	9	3	3	44	7	9	13	17	15	62	
Santa Maria, CA	CA	0	0	0	0	0	0	0	9	2	1	0	0	11	5	4	5	3	1	18	27	13	18	12	0	69	
Santa Rosa, CA	CA	1	0	0	0	0	0	0	27	3	3	2	1	37	5	6	9	7	6	33	11	20	37	37	14	117	
Sarasota--Bradenton, FL	FL	0	30	0	2	1	0	32	0	0	0	0	0	0	99	24	16	6	3	149	59	21	23	6	2	112	
Saratoga Springs, NY	NY	0	13	4	1	0	0	19	0	1	1	0	0	2	15	5	6	4	3	34	7	5	9	6	2	29	
Savannah, GA	GA	0	44	2	2	1	0	50	14	5	5	1	0	24	45	13	18	10	9	95	14	5	120	5	5	150	
Scranton, PA	PA	0	40	10	14	7	4	75	12	3	5	1	1	21	28	21	34	18	18	118	35	36	54	37	63	225	
Seaside--Monterey, CA	CA	0	0	0	0	0	0	0	10	1	1	0	0	12	9	7	10	8	8	41	0	2	15	6	12	35	
Seattle, WA	WA	21	79	16	16	10	7	128	91	21	21	9	9	152	114	109	190	119	210	742	96	171	304	274	336	1182	
Sebastian--Vero Beach South--Florida Ridge	FL	0	2	0	0	0	0	2	0	0	0	0	0	0	47	15	9	2	1	75	29	16	27	3	0	76	
Sebring--Avon Park, FL	FL	0	0	0	0	0	0	0	0	0	0	0	0	0	30	3	1	0	0	34	2	1	2	1	0	6	
Sheboygan, WI	WI	56	8	1	0	0	0	9	3	0	0	0	0	3	5	3	5	4	2	18	0	0	0	0	0	0	
Sherman, TX	TX	68	0	0	0	0	0	0	4	4	6	3	2	18	9	4	8	3	1	25	0	0	0	0	0	0	
Shreveport, LA	LA	16	23	9	19	9	2	63	1	1	3	4	2	10	17	13	28	19	13	90	68	36	49	28	36	217	
Sierra Vista, AZ	AZ	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	1	0	10	7	10	15	3	1	36	
Simi Valley, CA	CA	0	0	0	0	0	0	0	7	1	1	0	0	9	1	1	3	3	2	10	0	0	18	15	16	50	
Sioux City, IA--NE--SD	IA	78	8	1	0	0	0	9	0	0	0	0	0	0	11	10	10	5	3	40	0	0	0	0	0	0	
Sioux City, IA--NE--SD	NE	7	2	0	0	0	0	3	1	1	2	1	1	6	0	0	1	1	0	2	4	5	2	0	0	11	
Sioux City, IA--NE--SD	SD	0	5	1	1	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	1	0	6	
Sioux Falls, SD	SD	14																									

FUNCTIONAL SYSTEM LENGTH - 2018

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-73
SHEET 8 OF 8

August 30, 2019

FEDERAL-AID URBANIZED AREA (3)	STATE	UN- REPORTED (4)	INTERNATIONAL ROUGHNESS INDEX (IRI) (1)										INTERNATIONAL ROUGHNESS INDEX (1) / PRESENT SERVICEABILITY RATING (PSR) (2)													
			INTERSTATE					TOTAL REPORTED	OTHER FREEWAYS & EXPRESSWAYS					TOTAL REPORTED	OTHER PRINCIPAL ARTERIAL					TOTAL REPORTED	MINOR ARTERIAL (5)					TOTAL REPORTED
			< 95	95-119	120-169	170-220	> 220		< 95	95-119	120-169	170-220	> 220		< 95	95-119	120-169	170-220	> 220		< 95 >=3.5	95-119 3.1-3.4	120-169 2.6-3.0	170-220 2.1-2.5	> 220 <=2.0	
Spartanburg, SC	SC	0	29	3	4	1	0	38	9	1	0	0	0	10	23	12	17	4	3	59	18	29	41	16	6	109
Spokane, WA	WA	0	20	4	2	1	0	27	13	3	2	0	0	18	44	26	47	30	32	180	29	30	72	43	43	216
Springfield, IL	IL	13	33	2	2	1	0	37	0	0	0	0	0	30	10	16	8	4	69	30	17	29	12	22	110	
Springfield, MA--CT	CT	0	11	0	0	0	0	11	4	0	0	0	0	5	7	11	6	2	33	11	13	20	11	7	62	
Springfield, MA--CT	MA	213	58	5	6	2	1	72	8	2	1	1	0	12	49	38	60	39	33	218	12	19	127	33	17	208
Springfield, MO	MO	1	17	0	0	0	0	18	57	7	7	2	1	73	30	9	10	4	3	57	13	16	44	23	25	121
Springfield, OH	OH	0	9	2	1	0	0	11	8	1	1	0	0	9	6	4	6	4	4	24	19	9	16	7	7	58
Spring Hill, FL	FL	0	0	0	0	0	0	0	11	0	0	0	0	12	40	4	3	1	0	48	38	7	4	1	1	50
State College, PA	PA	0	6	1	1	0	0	9	4	0	0	0	0	5	16	6	5	2	1	29	11	6	4	2	0	24
St. Augustine, FL	FL	0	0	0	0	0	0	0	0	0	0	0	0	0	20	2	2	1	0	26	14	11	6	1	0	32
Staunton--Waynesboro, VA	VA	9	11	0	0	0	0	11	6	1	0	0	0	7	8	4	4	0	0	16	21	11	6	1	1	40
St. Cloud, MN	MN	4	4	0	0	0	0	5	0	0	0	0	0	35	6	4	1	1	48	27	13	18	6	13	77	
St. George, UT	UT	3	13	1	0	0	0	14	13	2	1	0	0	16	6	3	8	3	2	20	9	9	22	12	14	66
St. Joseph, MO--KS	KS	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	7	3	1	3	1	1	8
St. Joseph, MO--KS	MO	0	13	1	2	1	0	18	4	1	1	0	0	8	15	4	4	3	2	29	4	7	11	8	11	42
St. Louis, MO--IL	IL	8	58	9	16	6	2	91	16	2	4	2	0	24	110	41	45	17	9	222	100	61	82	26	20	289
St. Louis, MO--IL	MO	4	153	18	15	6	2	195	60	21	16	4	1	102	112	54	81	50	48	345	65	63	142	98	125	492
Stockton, CA	CA	0	14	2	3	2	0	21	13	2	3	1	1	20	13	13	27	22	15	90	18	4	18	14	17	70
Sumter, SC	SC	1	0	0	0	0	0	0	4	1	1	0	0	8	12	6	13	4	2	38	1	9	15	18	11	54
Syracuse, NY	NY	29	54	10	7	2	0	74	24	4	3	0	0	32	35	16	17	9	13	90	60	34	64	27	18	204
Tallahassee, FL	FL	0	20	0	1	0	0	21	0	0	0	0	0	0	51	9	6	2	1	69	52	28	19	8	4	111
Tampa--St. Petersburg, FL	FL	2	107	8	9	3	1	129	35	6	4	0	0	46	301	74	65	18	14	472	232	118	132	55	35	572
Temple, TX	TX	36	19	2	1	0	0	23	4	0	0	0	0	5	23	8	3	1	1	44	0	0	0	0	0	0
Terre Haute, IN	IN	106	11	1	1	1	0	114	0	0	0	0	0	0	36	5	8	3	1	53	2	0	0	0	0	2
Texarkana--Texarkana, TX--AR	AR	0	17	4	1	0	0	22	1	1	0	0	0	2	8	3	2	1	3	18	0	9	21	13	2	45
Texarkana--Texarkana, TX--AR	TX	47	10	1	1	0	0	60	1	1	1	0	0	4	11	7	7	5	5	34	0	0	0	0	0	0
Texas City, TX	TX	56	9	2	3	1	0	71	1	0	2	1	0	5	34	7	9	6	2	57	0	0	0	0	0	0
Thousand Oaks, CA	CA	0	0	0	0	0	0	0	14	6	7	2	0	28	2	7	22	14	8	53	12	11	38	21	6	88
Titusville, FL	FL	0	12	0	0	0	0	12	3	0	0	0	0	3	19	5	3	1	1	30	7	4	1	0	0	13
Toledo, OH--MI	MI	0	1	0	0	0	0	1	0	1	0	0	0	2	2	3	1	1	0	7	15	11	13	4	2	44
Toledo, OH--MI	OH	3	56	7	6	2	1	71	8	1	0	0	0	9	45	22	36	22	24	148	78	22	38	23	30	191
Topeka, KS	KS	0	24	3	5	1	0	33	15	4	5	2	0	25	8	2	5	2	2	19	6	19	37	35	64	161
Tracy, CA	CA	0	6	1	1	0	0	7	0	0	0	0	0	0	5	5	11	6	4	30	3	2	11	5	2	24
Trenton, NJ	NJ	0	31	3	3	1	0	38	9	3	2	1	1	16	19	8	12	10	18	67	23	11	37	21	48	139
Tucson, AZ	AZ	150	34	6	3	0	0	44	1	2	5	1	0	8	20	16	22	8	3	68	81	46	85	58	41	311
Tulsa, OK	OK	400	28	11	10	2	1	53	68	15	19	7	2	111	45	15	16	8	6	91	34	51	99	72	115	371
Turlock, CA	CA	0	0	0	0	0	0	0	11	3	1	0	0	16	1	2	4	4	4	15	2	2	6	9	4	24
Tuscaloosa, AL	AL	3	12	1	1	0	0	15	0	0	0	0	0	0	35	15	12	4	2	68	7	13	49	17	24	109
Twin Rivers--Hightstown, NJ	NJ	0	3	1	0	0	0	4	1	1	1	1	1	4	6	2	5	3	5	21	9	0	10	4	10	33
Tyler, TX	TX	68	0	0	0	0	0	0	0	0	0	0	0	0	76	17	15	6	3	117	0	0	0	0	0	0
Uniontown--Connellsville, PA	PA	0	0	0	0	0	0	0	15	5	3	0	1	25	16	7	5	1	1	31	2	5	8	2	1	19
Urban Honolulu, HI	HI	1	11	9	16	7	3	46	5	6	8	4	4	28	4	9	21	19	26	79	2	4	17	20	37	80
Utica, NY	NY	23	25	2	1	0	0	28	34	9	6	1	0	51	38	14	17	6	6	81	16	18	49	6	10	99
Vacaville, CA	CA	0	10	2	1	0	0	13	0	0	0	0	0	0	2	3	9	6	3	23	0	0	3	4	11	17
Valdosta, GA	GA	0	20	0	0	0	0	21	0	0	0	0	0	0	30	4	5	2	1	42	35	12	32	2	0	81
Vallejo, CA	CA	0	13	3	2	1	0	19	2	1	2	1	0	6	5	4	12	15	18	54	0	7	2	30	18	56
Victoria, TX	TX	43	0	0	0	0	0	0	4	1	0	0	0	6	38	7	7	4	2	58	0	0	0	0	0	0
Victorville--Hesperia, CA	CA	3	13	2	2	1	0	18	0	0	0	0	0	0	24	11	15	7	2	58	9	23	168	55	58	312
Villas, NJ	NJ	0	0	0	0	0	0	0	9	2	1	0	0	12	1	2	3	1	4	11	10	4	14	4	1	33
Vineland, NJ	NJ	0	0	0	0	0	0	0	16	1	2	1	0	21	9	3	4	4	3	23	3	19	53	28	19	121
Virginia Beach, VA	VA	123	62	21	19	7	1	110	26	8	7	2	0	43	73	62	105	63	27	330	30	37	96	82	51	296
Visalia, CA	CA	3	0	0	0	0	0	0	18	6	6	2	0	31	11	13	17	8	5	54	27	19	22	35	18	121
Waco, TX	TX	130	18	2	2	1	0	23	14	1	2	1	1	19	22	11	14	5	1	54	0	0	0	0	0	0
Waldorf, MD	MD	36	0	0	0	0	0	0	5	0	0	0	0	5	38	3	2	1	0	44	0	0	0	0	0	0
Walla Walla, WA--OR	OR	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	1	0	0	7	3	0	0	0	0	3
Walla Walla, WA--OR	WA	0	0	0	0	0	0	0	11	0	0	0	0	12	2	4	5	3	3	16	12	6	8	7	15	47
Warner Robins, GA	GA	5	17	1	1	0	0	18	0	0	0	0	0	0	54	11	6	1	1	74	16	0	117	0	0	134
Washington, DC--VA--MD	DC	0	1	0	4	2	4	12	2	0	6	4	4	15	0	0	9	24	73	107	0	0	5	19	133	157
Washington, DC--VA--MD	MD	414	71	9	6	1	1	89	61	12	7	2	1	83	99	47	66	38	31	281	1	0	0	1	0	2
Washington, DC--VA--MD	VA	303	73	15	8	1	0	97	72	15	16	3	1	107	88	51	70	46	23	278	44	75	115	38	10	282
Waterbury, CT	CT	0	6	1	2	0	0	10	9	1	1	0	0	13	15	10	11	6	6	48	11	9	29	25	20	94
Waterloo, IA	IA	132	6	0	0	0	0	6	0	0	0	0	0	0	19	16	18	5	5	64	0	0	0	0	0	0
Watertown, NY	NY	1	14	1	0	0	0	16	0	0	0	0	0	0	33	6	5	4	2	50	41	11	6	2	1	60
Watsonville, CA	CA	0	0	0	0	0	0	0	3	0	0	0	0	4	0	1	4	4	3	11	0	0	0	11	3	14
Wausau, WI	WI	88	8																							

FUNCTIONAL SYSTEM LENGTH - 2018

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

HM-73 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. Excludes structures and unpaved roadways.
- (2) 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. Excludes structures and unpaved roadways.
- (3) A "Federal-Aid Urbanized Area" is an area with 50,000 or more persons that at a minimum encompasses the land area delineated as the urbanized area by the Bureau of the Census. Urbanized areas or data may be missing or unreported in some States.
- (4) Column contains unreported IRI/PSR data for all displayed functional systems.
- (5) Estimated from sample data.