

Appendix A - TRIP Urban Roads Report 2018

Pavement Conditions and Extra Vehicle Operating Costs for Urban Areas with Population of 500K or More

Urban Area	State	Poor Share	Mediocre Share	Fair Share	Good Share	VOC
Akron	OH	49%	12%	14%	25%	\$837
Albany--Schenectady-Troy	NY	15%	20%	20%	45%	\$352
Albuquerque	NM	27%	27%	13%	32%	\$696
Allentown	PA-NJ	27%	27%	20%	25%	\$555
Atlanta	GA	8%	12%	14%	66%	\$269
Austin	TX	16%	32%	8%	44%	\$507
Bakersfield	CA	26%	27%	19%	28%	\$579
Baltimore	MD	36%	23%	14%	27%	\$693
Baton Rouge	LA	38%	27%	15%	21%	\$755
Birmingham	AL	18%	18%	15%	49%	\$487
Boston	MA-NH-RI	14%	13%	8%	65%	\$306
Bridgeport--Stamford	CT-NY	40%	29%	15%	16%	\$730
Buffalo - Niagara Falls	NY	15%	25%	21%	39%	\$382
Cape Coral	FL	6%	45%	3%	46%	\$384
Charleston--North Charleston	SC	12%	27%	19%	43%	\$405
Charlotte	NC-SC	21%	23%	23%	33%	\$551
Chicago	IL-IN	28%	35%	14%	22%	\$627
Cincinnati	OH-KY-IN	25%	25%	14%	36%	\$574
Cleveland	OH	49%	26%	7%	19%	\$887
Colorado Springs	CO	37%	25%	16%	21%	\$702
Columbia	SC	18%	34%	23%	25%	\$548
Columbus	OH	24%	24%	14%	39%	\$557
Dallas--Fort Worth--Arlington	TX	21%	31%	20%	28%	\$609
Dayton	OH	28%	24%	25%	22%	\$649
Denver--Aurora	CO	40%	28%	14%	18%	\$739
Detroit	MI	32%	45%	6%	17%	\$732
El Paso	TX-NM	35%	32%	9%	25%	\$788
Fresno	CA	40%	29%	15%	15%	\$755
Grand Rapids	MI	29%	25%	6%	41%	\$594
Hartford	CT	32%	30%	16%	21%	\$644
Honolulu	HI	54%	27%	10%	9%	\$851
Houston	TX	24%	28%	11%	38%	\$610
Indianapolis	IN	22%	22%	15%	42%	\$575
Jacksonville	FL	4%	33%	8%	55%	\$297
Kansas City	MO-KS	26%	27%	17%	30%	\$667
Knoxville	TN	6%	37%	19%	37%	\$388
Las Vegas--Henderson	NV	14%	18%	17%	51%	\$379
Los Angeles--Long Beach--Anaheim	CA	57%	22%	11%	10%	\$921
Louisville/Jefferson County	KY-IN	26%	26%	17%	31%	\$628
McAllen	TX	22%	30%	7%	43%	\$573
Memphis	TN-MS-AR	40%	17%	14%	29%	\$746
Miami	FL	8%	48%	4%	40%	\$427
Milwaukee	WI	54%	18%	12%	16%	\$944

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Minneapolis--St. Paul	MN-WI	25%	19%	18%	39%	\$600
Mission Viejo--Lake Forest--San Clemente	CA	32%	33%	18%	17%	\$682
Nashville-Davidson	TN	8%	27%	13%	52%	\$338
New Haven	CT	33%	24%	15%	28%	\$621
New Orleans	LA	37%	22%	14%	27%	\$716
New York--Newark	NY-NJ-CT	46%	23%	13%	18%	\$719
Ogden--Layton	UT	8%	17%	33%	43%	\$339
Oklahoma City	OK	37%	31%	11%	20%	\$897
Omaha	NE-IA	32%	18%	11%	38%	\$635
Orlando	FL	21%	6%	4%	69%	\$383
Philadelphia	PA-NJ-DE-MD	43%	28%	11%	17%	\$732
Phoenix--Mesa	AZ	23%	29%	20%	27%	\$550
Pittsburgh	PA	25%	22%	18%	36%	\$495
Portland	OR-WA	12%	13%	20%	55%	\$309
Providence	RI-MA	46%	25%	10%	19%	\$724
Raleigh	NC	10%	16%	25%	49%	\$348
Richmond	VA	26%	35%	19%	20%	\$640
Riverside--San Bernardino	CA	40%	38%	12%	9%	\$795
Rochester	NY	11%	18%	24%	47%	\$305
Sacramento	CA	41%	29%	12%	18%	\$754
St. Louis	MO-IL	22%	29%	17%	32%	\$611
Salt Lake City--West Valley City	UT	9%	16%	45%	31%	\$382
San Antonio	TX	29%	31%	11%	29%	\$710
San Diego	CA	34%	30%	19%	17%	\$694
San Francisco--Oakland	CA	71%	16%	6%	6%	\$1,049
San Jose	CA	64%	18%	9%	9%	\$983
Sarasota--Bradenton	FL	4%	47%	5%	44%	\$371
Seattle	WA	41%	23%	17%	19%	\$684
Springfield	MA-CT	15%	20%	12%	53%	\$366
Tampa--St. Petersburg	FL	16%	22%	10%	51%	\$424
Toledo	OH-MI	19%	19%	16%	46%	\$468
Tucson	AZ	33%	28%	15%	24%	\$661
Tulsa	OK	36%	37%	6%	21%	\$898
Virginia Beach	VA	32%	30%	17%	22%	\$686
Washington	DC-VA-MD	30%	25%	17%	29%	\$562

Appendix B - TRIP Urban Roads Report 2018

Pavement Conditions and Extra Vehicle Operating Costs for Urban Areas with Population between 200K and 500K

Urban Area	State	Poor Share	Mediocre Share	Fair Share	Good Share	VOC
Aberdeen--Bel Air South--Bel Air North	MD	7%	18%	20%	55%	\$278
Anchorage	AK	21%	22%	18%	39%	\$423
Ann Arbor	MI	17%	35%	4%	44%	\$475
Antioch	CA	57%	28%	8%	7%	\$942
Appleton	WI	41%	36%	8%	14%	\$855
Asheville	NC	15%	17%	20%	48%	\$420
Atlantic City	NJ	29%	31%	8%	32%	\$591
Augusta-Richmond County	GA-SC	10%	19%	24%	48%	\$381
Barnstable Town	MA	11%	16%	17%	57%	\$295
Boise City	ID	11%	20%	7%	62%	\$321
Bonita Springs	FL	2%	14%	6%	78%	\$138
Brownsville	TX	15%	33%	14%	38%	\$512
Canton	OH	38%	11%	8%	43%	\$668
Chattanooga	TN	19%	25%	20%	36%	\$503
Columbus	GA-AL	11%	16%	12%	61%	\$344
Concord	CA	56%	27%	10%	8%	\$923
Conroe--The Woodlands	TX	20%	25%	9%	46%	\$531
Corpus Christi, TX	TX	14%	16%	18%	53%	\$398
Davenport	IA-IL	26%	17%	12%	45%	\$545
Denton--Lewisville	TX	13%	21%	18%	49%	\$415
Des Moines	IA	16%	22%	18%	44%	\$438
Durham	NC	20%	21%	23%	37%	\$522
Eugene	OR	6%	8%	16%	70%	\$188
Evansville	IN-KY	16%	25%	22%	36%	\$530
Fayetteville	NC	11%	21%	22%	46%	\$383
Fayetteville--Springdale--Rogers	AR-MO	38%	25%	24%	13%	\$782
Flint	MI	35%	31%	5%	29%	\$701
Fort Collins	CO	22%	25%	18%	35%	\$509
Fort Wayne	IN	32%	18%	15%	35%	\$719
Green Bay	WI	43%	20%	8%	29%	\$795
Greensboro	NC	17%	29%	21%	33%	\$521
Greenville	SC	18%	33%	23%	26%	\$531
Gulfport	MS	21%	22%	15%	42%	\$603
Harrisburg	PA	16%	25%	19%	40%	\$405
Hickory	NC	11%	18%	25%	47%	\$370
Huntington	WV-KY-OH	17%	21%	13%	49%	\$473
Huntsville	AL	16%	18%	19%	46%	\$465
Indio--Cathedral City	CA	30%	23%	15%	33%	\$593
Jackson	MS	44%	19%	12%	26%	\$944
Kalamazoo - Battle Creek	MI	25%	36%	5%	35%	\$590
Kennewick--Pasco	WA	11%	17%	19%	53%	\$297
Killeen	TX	20%	22%	16%	42%	\$526
Kissimmee	FL	6%	10%	7%	76%	\$193
Lafayette	LA	40%	24%	16%	21%	\$765

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Urban Area	State	Poor Share	Mediocre Share	Fair Share	Good Share	VOC
Lakeland	FL	9%	12%	12%	68%	\$249
Lancaster	PA	21%	19%	21%	39%	\$439
Lancaster--Palmdale	CA	30%	40%	13%	18%	\$668
Lansing	MI	22%	38%	6%	33%	\$571
Laredo	TX	40%	28%	14%	18%	\$858
Lexington-Fayette	KY	17%	18%	13%	53%	\$435
Lincoln	NE	17%	24%	13%	47%	\$446
Little Rock	AR	38%	21%	28%	12%	\$771
Lubbock	TX	39%	24%	5%	32%	\$801
Madison	WI	49%	26%	13%	12%	\$910
Mobile	AL	15%	16%	15%	54%	\$423
Modesto	CA	37%	30%	14%	19%	\$716
Murrieta--Temecula--Menifee	CA	28%	28%	19%	25%	\$610
Murrieta--Temecula--Menifee	CA	28%	28%	19%	25%	\$610
Myrtle Beach--Socastee	SC-NC	30%	32%	16%	22%	\$678
Nashua	NH-MA	6%	51%	24%	19%	\$431
Norwich--New London	CT-RI	21%	31%	18%	31%	\$504
Oxnard	CA	48%	31%	12%	10%	\$852
Palm Bay--Melbourne	FL	17%	23%	6%	55%	\$421
Palm Coast--Daytona Beach--Port Orange	FL	13%	39%	7%	40%	\$468
Pensacola	FL-AL	4%	20%	11%	65%	\$232
Peoria	IL	31%	23%	10%	36%	\$591
Port St. Lucie	FL	6%	26%	17%	51%	\$307
Portland, ME	ME	28%	24%	17%	31%	\$617
Poughkeepsie--Newburgh - Middleton	NY-NJ	13%	23%	19%	46%	\$341
Provo--Orem	UT	7%	18%	52%	24%	\$380
Reading	PA	37%	27%	21%	16%	\$668
Reno	NV-CA	23%	30%	13%	34%	\$564
Roanoke	VA	14%	27%	18%	41%	\$434
Rockford, IL	IL	32%	29%	15%	25%	\$639
Round Lake Beach--McHenry--Grayslake	IL-WI	44%	13%	13%	30%	\$716
Salem	OR	8%	17%	12%	62%	\$257
Santa Clarita	CA	41%	32%	17%	10%	\$780
Santa Rosa	CA	43%	26%	11%	19%	\$776
Savannah	GA	10%	13%	11%	66%	\$305
Scranton-Wilkes Barre	PA	34%	20%	19%	27%	\$606
Shreveport	LA	36%	27%	15%	23%	\$727
South Bend	IN-MI	31%	21%	19%	30%	\$720
Spokane	WA	31%	28%	14%	27%	\$583
Springfield	MO	21%	22%	16%	41%	\$558
Stockton	CA	43%	21%	13%	24%	\$743
Syracuse	NY	22%	19%	15%	43%	\$429
Tallahassee	FL	9%	23%	11%	58%	\$319
Thousand Oaks	CA	38%	39%	12%	12%	\$765

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Urban Area	State	Poor Share	Mediocre Share	Fair Share	Good Share	VOC
Trenton	NJ	34%	31%	12%	22%	\$670
Victorville--Hesperia	CA	42%	28%	15%	16%	\$768
Visalia	CA	30%	22%	15%	33%	\$594
Wichita	KS	26%	16%	10%	48%	\$549
Wilmington	NC	17%	26%	21%	36%	\$509
Winston-Salem	NC	12%	25%	25%	38%	\$435
Winter Haven	FL	3%	20%	10%	66%	\$215
Worcester	MA-CT	15%	16%	13%	55%	\$349
York	PA	23%	30%	16%	30%	\$515
Youngstown	OH-PA	22%	14%	10%	54%	\$468