

## National Congestion Tables

**Table 1. What Congestion Means to You, 2017**

Urban Area	Yearly Delay per Auto Commuter		Travel Time Index		Excess Fuel per Auto Commuter		Congestion Cost per Auto Commuter	
	Hours	Rank	Value	Rank	Gallons	Rank	Dollars	Rank
<b>Very Large Average (15 areas)</b>	<b>83</b>		<b>1.35</b>		<b>32</b>		<b>1,580</b>	
Los Angeles-Long Beach-Anaheim CA	119	1	1.51	1	35	4	2,440	1
San Francisco-Oakland CA	103	2	1.50	2	45	1	2,390	2
Washington DC-VA-MD	102	3	1.35	7	38	2	1,840	3
New York-Newark NY-NJ-CT	92	4	1.35	7	38	2	1,780	4
Boston MA-NH-RI	80	6	1.30	19	31	7	1,440	8
Seattle WA	78	7	1.37	5	31	7	1,410	9
Atlanta GA	77	8	1.30	19	31	7	1,510	5
Houston TX	75	9	1.34	11	31	7	1,380	10
Chicago IL-IN	73	10	1.32	16	30	12	1,310	11
Miami FL	69	12	1.31	17	34	5	1,289	12
Dallas-Fort Worth-Arlington TX	67	13	1.26	23	25	20	1,160	18
San Diego CA	64	16	1.35	7	24	27	1,440	7
Philadelphia PA-NJ-DE-MD	62	18	1.25	25	26	15	1,100	22
Phoenix-Mesa AZ	62	18	1.27	22	26	15	990	30
Detroit MI	61	20	1.24	28	25	20	1,030	25

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

**Yearly Delay per Auto Commuter**—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

**Travel Time Index**—The ratio of travel time in the peak period to the travel time at free-flow conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period.

**Excess Fuel Consumed**—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

**Congestion Cost**—Value of travel time delay (estimated at \$18.29 per hour of person travel and \$54.94 per hour of truck time) and excess fuel consumption (estimated using state average cost per gallon for gasoline and diesel). Values are rounded to nearest \$10; ranking based on calculated value. But see Note below.

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6<sup>th</sup> and 12<sup>th</sup>.

The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

**Table 1. What Congestion Means to You, 2017, Continued**

Urban Area	Yearly Delay per Auto Commuter		Travel Time Index		Excess Fuel per Auto Commuter		Congestion Cost per Auto Commuter	
	Hours	Rank	Value	Rank	Gallons	Rank	Dollars	Rank
<b>Large Average (32 areas)</b>	<b>54</b>		<b>1.24</b>		<b>22</b>		<b>\$950</b>	
San Jose CA	81	5	1.45	3	32	6	1,500	6
Riverside-San Bernardino CA	70	11	1.34	11	20	47	1,180	16
Austin TX	66	14	1.34	11	25	20	1,270	13
Portland OR-WA	66	14	1.35	7	31	7	1,190	15
Denver-Aurora CO	61	20	1.31	17	25	20	1,060	23
Baltimore MD	59	22	1.25	25	22	32	960	32
Sacramento CA	59	22	1.28	21	24	27	1,020	26
Nashville-Davidson TN	58	24	1.22	33	26	15	1,110	20
San Juan PR	58	24	1.33	15	28	14	1,170	17
Charlotte NC-SC	57	28	1.22	33	22	32	1,160	19
Orlando FL	57	28	1.24	28	22	32	1,010	29
Minneapolis-St. Paul MN-WI	56	31	1.25	25	18	63	890	35
Cincinnati OH-KY-IN	52	32	1.17	49	25	20	1,010	27
Las Vegas-Henderson NV	51	34	1.26	23	20	47	850	41
San Antonio TX	51	34	1.23	30	22	32	880	38
Columbus OH	50	37	1.19	41	21	41	960	31
Oklahoma City OK	50	37	1.19	41	21	41	770	48
Tampa-St. Petersburg FL	50	37	1.22	33	20	47	900	34
Indianapolis IN	48	42	1.18	45	22	32	740	56
Memphis TN-MS-AR	48	42	1.18	45	18	63	590	87
Providence RI-MA	48	42	1.17	49	19	55	760	53
Kansas City MO-KS	47	46	1.15	71	15	84	760	50
Cleveland OH	46	47	1.15	71	23	29	890	36
Jacksonville FL	46	47	1.19	41	15	84	810	44
Louisville-Jefferson County KY-IN	46	47	1.18	45	18	63	660	74
Milwaukee WI	46	47	1.17	49	23	29	790	46
Pittsburgh PA	46	47	1.19	41	21	41	830	42
St. Louis MO-IL	46	47	1.15	71	19	55	820	43
Virginia Beach VA	46	47	1.17	49	15	84	690	66
Salt Lake City-West Valley City UT	45	55	1.18	45	25	20	760	51
Raleigh NC	42	67	1.17	49	16	77	730	57
Richmond VA	35	90	1.12	93	17	68	580	88

Large Urban Areas—over 1 million and less than 3 million population.

**Yearly Delay per Auto Commuter**—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

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Urban Area	Yearly Delay per Auto Commuter		Travel Time Index		Excess Fuel per Auto Commuter		Congestion Cost per Auto Commuter	
	Hours	Rank	Value	Rank	Gallons	Rank	Dollars	Rank
<b>Medium Average (32 areas)</b>	<b>44</b>		<b>1.18</b>		<b>19</b>		<b>\$750</b>	
Honolulu HI	64	16	1.40	4	29	13	1,260	14
New Orleans LA	58	24	1.23	30	26	20	1,100	28
Baton Rouge LA	58	24	1.36	6	25	15	1,010	21
Bridgeport-Stamford CT-NY	57	28	1.34	11	22	32	910	33
Tucson AZ	52	32	1.21	37	20	47	760	52
Charleston-North Charleston SC	51	34	1.23	30	22	32	870	39
Hartford CT	50	37	1.17	49	20	47	800	45
Albany-Schenectady NY	49	41	1.17	49	21	41	670	71
Buffalo NY	48	42	1.16	61	23	29	880	37
Tulsa OK	46	47	1.15	71	17	68	670	73
New Haven CT	45	55	1.16	61	18	63	700	63
Albuquerque NM	44	59	1.20	39	20	47	860	40
Columbia SC	44	59	1.15	71	19	55	700	65
Knoxville TN	44	59	1.13	83	18	63	770	48
Colorado Springs CO	43	63	1.15	71	19	55	720	59
El Paso TX-NM	41	70	1.16	61	17	68	720	58
Grand Rapids MI	41	70	1.13	83	16	77	650	77
Springfield MA-CT	41	70	1.12	93	19	55	660	74
Birmingham AL	40	75	1.13	83	16	77	750	55
Fresno CA	40	75	1.16	61	19	55	710	60
Rochester NY	40	75	1.16	61	20	47	700	62
Toledo OH-MI	40	75	1.14	80	21	41	690	67
Allentown PA-NJ	38	80	1.20	39	16	77	600	86
McAllen TX	38	80	1.16	61	13	93	640	81
Omaha NE-IA	38	80	1.17	49	17	68	620	84
Akron OH	37	86	1.10	99	17	68	620	83
Cape Coral FL	37	86	1.17	49	14	90	670	71
Wichita KS	36	89	1.14	80	16	77	460	96
Sarasota-Bradenton FL	33	92	1.16	61	14	90	550	92
Dayton OH	32	93	1.12	93	13	93	550	93
Provo-Orem UT	25	98	1.11	96	15	84	430	99
Bakersfield CA	24	99	1.13	83	10	98	460	96

Medium Urban Areas—over 500,000 and less than 1 million population.

**Yearly Delay per Auto Commuter**—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

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	Hours	Rank	Value	Rank	Gallons	Rank	Dollars	Rank
<b>Small Average (22 areas)</b>	<b>37</b>		<b>1.14</b>		<b>16</b>		<b>\$620</b>	
Boise ID	45	55	1.16	61	20	47	700	61
Spokane WA	45	55	1.16	61	26	15	770	47
Boulder CO	44	59	1.21	37	22	32	700	63
Little Rock AR	43	63	1.13	83	14	90	680	68
Pensacola FL-AL	43	63	1.17	49	16	77	600	85
Worcester MA-CT	43	63	1.14	80	17	68	750	54
Anchorage AK	42	67	1.22	33	22	32	1,050	24
Jackson MS	42	67	1.13	83	13	93	630	82
Beaumont TX	41	70	1.13	83	16	77	660	76
Salem OR	41	70	1.15	71	21	41	680	70
Eugene OR	40	75	1.17	49	19	55	650	79
Corpus Christi TX	38	80	1.13	83	17	68	680	69
Greensboro NC	38	80	1.13	83	15	84	580	89
Madison WI	38	80	1.15	71	17	68	580	90
Poughkeepsie-Newburgh NY-NJ	37	86	1.11	96	19	55	560	91
Oxnard CA	34	91	1.16	61	11	97	650	78
Laredo TX	32	93	1.17	49	15	84	540	94
Stockton CA	32	93	1.15	71	17	68	640	80
Brownsville TX	29	96	1.13	83	12	96	520	95
Winston-Salem NC	27	97	1.11	96	10	98	450	98
Lancaster-Palmdale CA	21	100	1.10	99	6	101	370	101
Indio-Cathedral City CA	14	101	1.10	99	7	100	400	100
<b>101 Area Average</b>	<b>66</b>		<b>1.28</b>		<b>26</b>		<b>\$1,210</b>	
<b>Remaining Areas Average</b>	<b>22</b>		<b>1.11</b>		<b>10</b>		<b>\$490</b>	
<b>All 494 Area Average</b>	<b>54</b>		<b>1.23</b>		<b>21</b>		<b>\$1,010</b>	

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

**Yearly Delay per Auto Commuter**—Extra travel time during the year divided by the number of people who commute in private vehicles in the urban area.

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**Table 2. What Congestion Means to Your Town, 2017**

Urban Area	Travel Delay		Excess Fuel Consumed		Truck Congestion Cost		Total Congestion Cost	
	(1,000 Hours)	Rank	(1,000 Gallons)	Rank	(\$ million)	Rank	(\$ million)	Rank
<b>Very Large Average (15 areas)</b>	<b>309,400</b>		<b>110,000</b>		<b>\$690</b>		<b>\$5,700</b>	
Los Angeles-Long Beach-Anaheim CA	971,478	1	256,931	2	2,127	1	17,784	1
New York-Newark NY-NJ-CT	811,609	2	323,712	1	1,828	2	15,040	2
Chicago IL-IN	352,759	3	144,987	3	790	3	6,530	3
Miami FL	265,947	4	103,239	4	593	4	4,900	4
San Francisco-Oakland CA	253,838	5	95,037	6	573	5	4,729	5
Washington DC-VA-MD	247,811	6	89,885	7	552	6	4,575	6
Houston TX	247,440	7	95,940	5	548	7	4,547	7
Atlanta GA	237,405	8	76,874	10	521	8	4,337	8
Dallas-Fort Worth-Arlington TX	224,883	9	79,677	9	494	9	4,116	9
Philadelphia PA-NJ-DE-MD	194,655	10	80,817	8	444	10	3,625	10
Boston MA-NH-RI	189,426	11	74,143	11	424	11	3,497	11
Seattle WA	167,384	12	62,742	14	377	12	3,111	12
Detroit MI	165,339	13	66,322	13	371	13	3,062	13
Phoenix-Mesa AZ	163,247	14	67,117	12	365	14	3,013	14
San Diego CA	148,503	15	32,686	21	321	15	2,699	15

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

**Travel Delay**—Extra travel time during the year.

**Excess Fuel Consumed**—Value of increased fuel consumption due to travel in congested conditions rather than free-flow conditions (using state average cost per gallon).

**Truck Congestion Cost**—Value of increased travel time and other operating costs of large trucks (estimated at \$94.04 per hour of truck time) and the extra diesel consumed (using state average cost per gallon).

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Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

**Table 2. What Congestion Means to Your Town, 2017, Continued**

Urban Area	Travel Delay		Excess Fuel Consumed		Truck Congestion Cost		Total Congestion Cost	
	(1,000 Hours)	Rank	(1,000 Gallons)	Rank	(\$ million)	Rank	(\$ million)	Rank
<b>Large Average (32 areas)</b>	<b>61,500</b>		<b>24,000</b>		<b>\$140</b>		<b>\$1,140</b>	
San Jose CA	126,774	16	44,956	15	285	16	2,355	16
Denver-Aurora CO	107,463	17	44,449	16	240	17	1,988	17
Riverside-San Bernardino CA	107,411	18	28,106	24	235	18	1,965	18
Minneapolis-St. Paul MN-WI	103,695	19	33,726	20	228	19	1,896	19
Baltimore MD	93,815	20	37,067	18	210	20	1,732	20
Portland OR-WA	88,009	21	40,780	17	201	22	1,652	21
San Juan PR	86,079	22	36,188	19	205	21	1,627	22
Tampa-St. Petersburg FL	85,860	23	31,952	22	191	23	1,579	23
Sacramento CA	76,437	24	28,106	24	172	24	1,423	24
St. Louis MO-IL	71,481	25	28,919	23	159	25	1,316	25
San Antonio TX	69,982	26	26,044	29	154	26	1,284	26
Austin TX	68,187	27	24,195	31	150	28	1,248	28
Las Vegas-Henderson NV	67,761	28	26,830	27	152	27	1,258	27
Cincinnati OH-KY-IN	64,061	29	27,950	26	145	29	1,188	29
Orlando FL	63,205	30	24,203	30	141	30	1,164	30
Cleveland OH	56,070	31	26,716	28	128	31	1,045	31
Nashville-Davidson TN	52,249	33	21,765	34	117	34	963	33
Columbus OH	51,381	34	21,452	35	116	35	951	35
Pittsburgh PA	51,370	35	23,298	32	118	33	962	34
Charlotte NC-SC	50,641	36	17,213	39	111	36	926	36
Kansas City MO-KS	48,328	37	19,224	38	107	37	889	37
Oklahoma City OK	43,448	38	16,913	40	96	39	798	39
Indianapolis IN	43,003	39	19,705	37	98	38	801	38
Milwaukee WI	42,146	40	20,847	36	96	39	788	40
Virginia Beach VA	40,510	41	14,149	45	89	41	741	41
Providence RI-MA	36,273	44	15,214	43	82	44	672	44
Jacksonville FL	34,792	45	11,921	50	77	45	637	45
Salt Lake City-West Valley City UT	29,739	48	15,546	42	69	48	560	48
Louisville-Jefferson County KY-IN	29,392	49	12,370	49	66	49	544	49
Memphis TN-MS-AR	28,015	51	11,597	51	62	51	516	51
Raleigh NC	27,243	53	9,067	57	60	53	498	53
Richmond VA	24,461	55	8,496	60	54	55	447	55

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

**Travel Delay**—Extra travel time during the year.

**Excess Fuel Consumed**—Value of increased fuel consumption due to travel in congested conditions rather than free-flow conditions (using state average cost per gallon).

**Truck Congestion Cost**—Value of increased travel time and other operating costs of large trucks (estimated at \$94.04 per hour of truck time) and the extra diesel consumed (using state average cost per gallon).

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Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

**Table 2. What Congestion Means to Your Town, 2017, Continued**

Urban Area	Travel Delay		Excess Fuel Consumed		Truck Congestion Cost		Total Congestion Cost	
	(1,000 Hours)	Rank	(1,000 Gallons)	Rank	(\$ million)	Rank	(\$ million)	Rank
<b>Medium Average (32 areas)</b>	<b>21,700</b>		<b>9,080</b>		<b>\$50</b>		<b>\$400</b>	
New Orleans LA	55,833	32	23,206	33	124	32	1,029	32
Bridgeport-Stamford CT-NY	38,789	42	14,746	44	87	42	717	42
Honolulu HI	36,378	43	15,689	41	87	42	689	43
Tucson AZ	32,305	46	14,004	47	73	46	598	46
Buffalo NY	31,977	47	14,094	46	73	46	596	47
Baton Rouge LA	28,362	50	12,679	48	64	50	525	50
Hartford CT	27,436	52	10,963	52	62	51	508	52
Tulsa OK	25,228	54	9,940	54	56	54	464	54
Albuquerque NM	23,302	56	10,629	53	53	56	433	56
Birmingham AL	22,877	57	9,090	56	51	57	421	57
El Paso TX-NM	22,711	58	9,238	55	50	58	418	58
Charleston-North Charleston SC	21,087	59	8,782	58	47	59	388	59
Rochester NY	19,886	60	8,574	59	45	60	370	60
Grand Rapids MI	19,417	61	8,032	62	44	61	360	62
Fresno CA	19,311	62	7,844	63	44	61	362	61
Omaha NE-IA	19,117	63	8,415	61	43	63	355	63
McAllen TX	19,111	64	6,802	73	42	64	350	64
Allentown PA-NJ	18,068	65	7,793	64	41	65	337	65
Knoxville TN	18,020	66	7,356	67	40	66	332	66
Colorado Springs CO	17,883	67	7,223	69	40	66	330	67
Springfield MA-CT	17,561	68	7,524	65	40	66	326	68
Albany-Schenectady NY	17,489	69	7,341	68	40	66	325	69
Dayton OH	17,377	70	7,467	66	39	70	322	70
Columbia SC	16,331	71	6,802	73	36	71	301	71
Sarasota-Bradenton FL	15,886	72	6,261	76	35	72	293	72
Cape Coral FL	15,733	73	5,762	78	35	72	289	73
New Haven CT	15,574	74	6,379	75	35	72	289	73
Toledo OH-MI	15,407	75	6,978	71	35	72	286	75
Akron OH	15,352	76	6,949	72	35	72	285	76
Wichita KS	12,081	81	5,200	80	27	81	224	81
Bakersfield CA	8,896	90	3,521	90	20	91	166	90
Provo-Orem UT	8,701	91	5,235	79	21	87	166	90

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	(1,000 Hours)	Rank	(1,000 Gallons)	Rank	(\$ million)	Rank	(\$ million)	Rank
<b>Small Average (22 areas)</b>	<b>9,100</b>		<b>3,600</b>		<b>20</b>		<b>170</b>	
Little Rock AR	14,823	77	4,502	83	32	77	269	77
Worcester MA-CT	14,173	78	5,849	77	32	77	262	79
Spokane WA	13,900	79	7,154	70	32	77	264	78
Boise ID	12,254	80	4,869	82	28	80	227	80
Anchorage AK	11,149	82	4,900	81	25	82	209	82
Jackson MS	10,999	83	3,697	88	24	83	201	83
Poughkeepsie-Newburgh NY-NJ	10,379	84	3,908	86	23	84	192	84
Stockton CA	9,928	85	3,475	91	22	85	184	85
Madison WI	9,664	86	4,238	84	22	85	179	86
Oxnard CA	9,548	87	2,880	96	21	87	176	87
Pensacola FL-AL	9,520	88	3,722	87	21	87	175	88
Corpus Christi TX	9,458	89	4,112	85	21	87	175	88
Beaumont TX	8,493	92	3,194	93	19	92	156	92
Winston-Salem NC	7,930	93	2,618	97	17	94	145	93
Greensboro NC	7,896	94	2,977	94	18	93	145	93
Salem OR	7,131	95	3,691	89	17	94	135	95
Eugene OR	6,589	96	3,279	92	15	96	124	96
Laredo TX	6,312	97	2,907	95	14	97	117	97
Indio-Cathedral City CA	5,795	98	1,931	99	13	98	107	98
Lancaster-Palmdale CA	5,127	99	1,268	101	11	99	94	99
Brownsville TX	4,629	100	1,871	100	10	100	85	100
Boulder CO	4,464	101	2,021	98	10	100	83	101
<b>101 Area Total</b>	<b>7,504,700</b>		<b>2,788,700</b>		<b>16,750</b>		<b>138,540</b>	
<b>101 Area Average</b>	<b>74,300</b>		<b>27,600</b>		<b>170</b>		<b>1,370</b>	
<b>Remaining Area Total</b>	<b>1,305,300</b>		<b>552,200</b>		<b>3,710</b>		<b>27,380</b>	
<b>Remaining Area Average</b>	<b>3,320</b>		<b>1,410</b>		<b>9</b>		<b>70</b>	
<b>All 494 Area Total</b>	<b>8,809,900</b>		<b>3,340,900</b>		<b>20,460</b>		<b>165,900</b>	
<b>All 494 Area Average</b>	<b>17,800</b>		<b>6,760</b>		<b>40</b>		<b>340</b>	

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

**Travel Delay**—Extra travel time during the year.

**Excess Fuel Consumed**—Value of increased fuel consumption due to travel in congested conditions rather than free-flow conditions (using state average cost per gallon).

**Truck Congestion Cost**—Value of increased travel time and other operating costs of large trucks (estimated at \$94.04 per hour of truck time) and the extra diesel consumed (using state average cost per gallon).

**Congestion Cost**—Value of delay and fuel cost (estimated at \$18.29 per hour of person travel, \$54.94 per hour of truck time and state average fuel cost).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6<sup>th</sup> and 12<sup>th</sup>.

The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.



**Table 3. How Reliable is Freeway Travel in Your Town, 2017**

Urban Area	Freeway Planning Time Index		Freeway Commuter Stress Index		Freeway Travel Time Index	
	Value	Rank	Value	Rank	Value	Rank
<b>Very Large Average (15 areas)</b>	<b>2.13</b>		<b>1.55</b>		<b>1.44</b>	
Los Angeles-Long Beach-Anaheim CA	2.87	1	1.93	2	1.80	1
San Francisco-Oakland CA	2.69	2	1.97	1	1.67	2
San Diego CA	2.28	7	1.54	9	1.47	9
Seattle WA	2.28	7	1.62	6	1.48	7
Washington DC-VA-MD	2.27	9	1.54	9	1.45	10
Atlanta GA	2.10	12	1.46	17	1.37	14
New York-Newark NY-NJ-CT	2.05	14	1.49	14	1.40	12
Miami FL	2.02	15	1.47	16	1.34	18
Phoenix-Mesa AZ	1.97	17	1.54	9	1.37	14
Houston TX	1.92	19	1.44	18	1.35	16
Boston MA-NH-RI	1.89	20	1.37	22	1.28	24
Chicago IL-IN	1.85	21	1.37	22	1.34	18
Dallas-Fort Worth-Arlington TX	1.79	26	1.35	24	1.28	24
Detroit MI	1.72	30	1.39	20	1.29	22
Philadelphia PA-NJ-DE-MD	1.65	34	1.27	36	1.21	38

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

**Freeway Planning Time Index**—A travel time reliability measure that represents the total travel time that should be planned for a trip to be late for only 1 work trip per month. A PTI of 2.00 means that 40 minutes should be planned for a 20-minute trip in light traffic (20 minutes x 2.00 = 40 minutes).

**Freeway Travel Time Index**—The ratio of travel time in the peak period to the travel time at low volume conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period (20 minutes x 1.30 = 26 minutes). Note that the TTI reported in Table 3 is only for freeway facilities to compare to the freeway-only PTI values.

**Freeway Commuter Stress Index** – The travel time index calculated for only the peak direction in each peak period (a measure of the extra travel time for a commuter).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6<sup>th</sup> and 12<sup>th</sup>. The actual measure values should also be examined.

**Table 3. How Reliable is Freeway Travel in Your Town, 2017, Continued**

Urban Area	Freeway Planning Time Index		Freeway Commuter Stress Index		Freeway Travel Time Index	
	Value	Rank	Value	Rank	Value	Rank
<b>Large Average (32 areas)</b>	<b>1.71</b>		<b>1.31</b>		<b>1.21</b>	
San Jose CA	2.60	3	1.90	3	1.59	4
San Juan PR	2.50	4	1.87	4	1.65	3
Portland OR-WA	2.37	5	1.62	6	1.53	6
Austin TX	2.15	11	1.50	13	1.40	12
Riverside-San Bernardino CA	2.10	12	1.51	12	1.44	11
Sacramento CA	1.97	17	1.48	15	1.35	16
Denver-Aurora CO	1.83	23	1.34	25	1.33	20
Tampa-St. Petersburg FL	1.83	23	1.33	28	1.24	31
San Antonio TX	1.74	28	1.32	30	1.23	34
Baltimore MD	1.73	29	1.28	35	1.26	27
Nashville-Davidson TN	1.70	31	1.34	25	1.22	36
Jacksonville FL	1.68	32	1.27	36	1.20	40
Charlotte NC-SC	1.66	33	1.24	41	1.21	38
Las Vegas-Henderson NV	1.63	36	1.31	32	1.25	29
Minneapolis-St. Paul MN-WI	1.61	37	1.31	32	1.24	31
Orlando FL	1.61	37	1.25	40	1.20	40
Columbus OH	1.59	40	1.22	45	1.12	61
Raleigh NC	1.58	41	1.18	54	1.15	49
Salt Lake City-West Valley City UT	1.57	42	1.26	38	1.19	43
Cincinnati OH-KY-IN	1.53	43	1.20	48	1.12	61
Milwaukee WI	1.52	45	1.26	38	1.20	40
Virginia Beach VA	1.46	47	1.20	48	1.15	49
Oklahoma City OK	1.45	49	1.21	46	1.17	46
Pittsburgh PA	1.44	50	1.19	51	1.12	61
St. Louis MO-IL	1.40	54	1.15	61	1.15	49
Kansas City MO-KS	1.37	59	1.18	54	1.14	52
Providence RI-MA	1.37	59	1.16	59	1.14	52
Louisville-Jefferson County KY-IN	1.36	63	1.14	65	1.12	61
Cleveland OH	1.35	64	1.16	59	1.09	75
Indianapolis IN	1.30	70	1.12	73	1.11	71
Memphis TN-MS-AR	1.27	78	1.10	83	1.09	75
Richmond VA	1.20	92	1.12	73	1.07	87

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

**Freeway Planning Time Index**—A travel time reliability measure that represents the total travel time that should be planned for a trip to be late for only 1 work trip per month. A PTI of 2.00 means that 40 minutes should be planned for a 20-minute trip in light traffic (20 minutes x 2.00 = 40 minutes).

**Freeway Travel Time Index**—The ratio of travel time in the peak period to the travel time at low volume conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period (20 minutes x 1.30 = 26 minutes). Note that the TTI reported in Table 3 is only for freeway facilities to compare to the freeway-only PTI values.

**Freeway Commuter Stress Index**—The travel time index calculated for only the peak direction in each peak period (a measure of the extra travel time for a commuter).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6<sup>th</sup> and 12<sup>th</sup>. The actual measure values should also be examined.

**Table 3. How Reliable is Freeway Travel in Your Town, 2017, Continued**

Urban Area	Freeway Planning Time Index		Freeway Commuter Stress Index		Freeway Travel Time Index	
	Value	Rank	Value	Rank	Value	Rank
<b>Medium Average (32 areas)</b>	<b>1.45</b>		<b>1.20</b>		<b>1.15</b>	
Honolulu HI	2.29	6	1.55	8	1.48	7
New Orleans LA	2.18	10	1.69	5	1.56	5
Bridgeport-Stamford CT-NY	1.99	16	1.39	20	1.31	21
Baton Rouge LA	1.84	22	1.40	19	1.29	22
Charleston-North Charleston SC	1.75	27	1.32	30	1.25	29
Sarasota-Bradenton FL	1.53	43	1.20	48	1.14	52
Hartford CT	1.48	46	1.18	54	1.14	52
Albuquerque NM	1.46	47	1.23	44	1.18	44
Buffalo NY	1.44	50	1.21	46	1.17	46
Fresno CA	1.39	55	1.19	51	1.16	48
Birmingham AL	1.38	57	1.14	65	1.10	72
Knoxville TN	1.38	57	1.13	70	1.13	58
Bakersfield CA	1.37	59	1.15	61	1.13	58
Colorado Springs CO	1.37	59	1.19	51	1.18	44
El Paso TX-NM	1.35	64	1.15	61	1.12	61
Cape Coral FL	1.33	66	1.13	70	1.09	75
Columbia SC	1.33	66	1.10	83	1.08	79
McAllen TX	1.33	66	1.18	54	1.12	61
New Haven CT	1.30	70	1.11	77	1.10	72
Omaha NE-IA	1.29	72	1.13	69	1.12	61
Albany-Schenectady NY	1.28	75	1.11	77	1.08	79
Tulsa OK	1.28	75	1.14	65	1.12	61
Akron OH	1.27	78	1.11	77	1.06	90
Allentown PA-NJ	1.27	78	1.10	83	1.08	79
Provo-Orem UT	1.27	78	1.11	77	1.08	79
Rochester NY	1.26	82	1.10	83	1.07	87
Wichita KS	1.26	82	1.15	61	1.14	52
Grand Rapids MI	1.25	84	1.09	87	1.08	79
Tucson AZ	1.25	84	1.13	70	1.12	61
Springfield MA-CT	1.21	90	1.09	87	1.09	75
Toledo OH-MI	1.21	90	1.09	87	1.05	94
Dayton OH	1.19	93	1.08	90	1.05	94

Medium Urban Areas—over 500,000 and less than 1 million population.

**Freeway Planning Time Index**—A PTI of 2.00 means that 40 minutes should be planned for a 20-minute trip in light traffic (20 minutes x 2.00 = 40 minutes).

**Freeway Travel Time Index**—A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period (20 minutes x 1.30 = 26 minutes).

**Freeway Commuter Stress Index** – The travel time index calculated for only the peak direction in each peak period (a measure of the extra travel time for a commuter).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6<sup>th</sup> and 12<sup>th</sup>. The actual measure values should also be examined.

**Table 3. How Reliable is Freeway Travel in Your Town, 2017, Continued**

Urban Area	Freeway Planning Time Index		Freeway Commuter Stress Index		Freeway Travel Time Index	
	Value	Rank	Value	Rank	Value	Rank
<b>Small Average (22 areas)</b>	<b>1.27</b>		<b>1.11</b>		<b>1.09</b>	
Boulder CO	1.81	25	1.33	28	1.26	27
Anchorage AK	1.64	35	1.34	25	1.28	24
Oxnard CA	1.60	39	1.29	34	1.24	31
Laredo TX	1.43	52	1.24	41	1.23	34
Stockton CA	1.41	53	1.24	41	1.22	36
Madison WI	1.39	55	1.17	58	1.13	58
Eugene OR	1.31	69	1.14	65	1.14	52
Little Rock AR	1.29	72	1.11	77	1.08	79
Spokane WA	1.29	72	1.11	77	1.10	72
Boise ID	1.28	75	1.12	73	1.08	79
Beaumont TX	1.25	84	1.08	90	1.06	90
Salem OR	1.24	87	1.12	73	1.12	61
Winston-Salem NC	1.24	87	1.08	90	1.08	79
Worcester MA-CT	1.24	87	1.08	90	1.07	87
Jackson MS	1.17	94	1.06	97	1.04	97
Corpus Christi TX	1.16	95	1.07	94	1.05	94
Brownsville TX	1.12	96	1.07	94	1.06	90
Greensboro NC	1.12	96	1.04	99	1.04	97
Indio-Cathedral City CA	1.12	96	1.07	94	1.06	90
Pensacola FL-AL	1.12	96	1.05	98	1.04	97
Poughkeepsie-Newburgh NY-NJ	1.10	100	1.04	99	1.03	100
Lancaster-Palmdale CA	1.06	101	1.02	101	1.02	101
<b>101 Area Average</b>	<b>1.86</b>		<b>1.41</b>		<b>1.30</b>	
<b>Remaining Area Average</b>	<b>1.19</b>		<b>1.13</b>		<b>1.11</b>	
<b>All 494 Area Average</b>	<b>1.67</b>		<b>1.35</b>		<b>1.28</b>	

Very Large Urban Areas—over 3 million population.

Large Urban Areas—over 1 million and less than 3 million population.

**Freeway Planning Time Index**—A travel time reliability measure that represents the total travel time that should be planned for a trip to be late for only 1 work trip per month. A PTI of 2.00 means that 40 minutes should be planned for a 20-minute trip in light traffic (20 minutes x 2.00 = 40 minutes).

**Freeway Travel Time Index**—The ratio of travel time in the peak period to the travel time at low volume conditions. A value of 1.30 indicates a 20-minute free-flow trip takes 26 minutes in the peak period (20 minutes x 1.30 = 26 minutes). Note that the TTI reported in Table 3 is only for freeway facilities to compare to the freeway-only PTI values.

**Freeway Commuter Stress Index** – The travel time index calculated for only the peak direction in each peak period (a measure of the extra travel time for a commuter).

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6<sup>th</sup> and 12<sup>th</sup>. The actual measure values should also be examined.

Medium Urban Areas—over 500,000 and less than 1 million population.

Small Urban Areas—less than 500,000 population.

**Table 4. Key Congestion Measures for 393 Urban Areas, 2017**

Urban Area	Annual Hours of Delay		Annual Congestion Cost	
	Total (000)	Per Auto Commuter	Total (Million \$)	\$ per Auto Commuter
Aberdeen-Bel Air S-Bel Air N MD	5,249	23	110	481
Abilene TX	2,075	17	43	357
Aguadilla-Isabela-San Sebastian PR	4,659	15	122	399
Albany GA	1,870	18	39	379
Albany OR	800	8	17	171
Alexandria LA	2,483	27	55	584
Alton IL-MO	8	1	0	17
Altoona PA	1,512	18	31	373
Amarillo TX	4,475	20	95	422
Ames IA	962	9	19	172
Anderson IN	1,103	12	24	249
Anderson SC	1,544	18	33	392
Ann Arbor MI	7,020	22	146	466
Anniston-Oxford AL	1,370	16	28	322
Antioch CA	9,435	33	192	665
Appleton WI	3,584	15	77	322
Arecibo PR	3,327	23	85	583
Arroyo Grande-Grover Beach CA	1,450	14	31	309
Asheville NC	8,194	27	167	553
Athens-Clarke County GA	3,800	27	77	548
Atlantic City NJ	5,700	21	118	436
Auburn AL	2,101	25	43	509
Augusta-Richmond County GA-SC	10,050	25	205	500
Avondale-Goodyear AZ	4,566	20	93	411
Bangor ME	1,580	26	34	557
Barnstable Town MA	5,284	20	109	419
Battle Creek MI	1,211	14	25	301
Bay City MI	1,081	15	22	306
Beckley WV	765	8	18	183
Bellingham WA	3,593	30	74	616
Beloit WI-IL	673	10	15	220
Bend OR	1,949	21	43	456
Benton Harbor-St. Joseph-Fair Plain MI	770	14	17	301
Billings MT	2,175	17	44	341
Binghamton NY-PA	2,745	16	58	351
Bismarck ND	1,610	17	33	338
Blacksburg VA	1,439	15	29	292
Bloomington IN	1,790	15	38	321
Bloomington-Normal IL	1,284	9	26	185
Bloomsburg-Berwick PA	950	12	20	272
Bonita Springs FL	9,448	27	192	551
Bowling Green KY	3,186	36	68	770
Bremerton WA	5,302	26	109	536
Bristol TN-VA	1,776	23	39	503
Brunswick GA	1,488	21	31	433
Burlington NC	1,843	14	38	278
Burlington VT	3,379	28	69	583
Camarillo CA	2,559	35	51	710
Canton OH	7,016	24	145	495

**Table 4. Key Congestion Measures for 393 Urban Areas, 2017 (continued)**

Urban Area	Annual Hours of Delay		Annual Congestion Cost	
	Total (000)	Per Auto Commuter	Total (Million \$)	\$ per Auto Commuter
Cape Girardeau MO-IL	1,326	19	28	392
Carbondale IL	735	10	15	204
Carson City NV	1,301	14	27	296
Cartersville GA	1,332	20	28	425
Casa Grande AZ	771	9	17	191
Casper WY	987	13	20	263
Cedar Rapids IA	3,369	17	69	346
Chambersburg PA	895	9	19	195
Champaign IL	1,716	11	35	225
Charleston WV	2,212	14	50	310
Charlottesville VA	4,495	43	89	855
Chattanooga TN-GA	11,188	28	245	609
Cheyenne WY	1,016	12	21	258
Chico CA	1,859	18	38	362
Clarksville TN-KY	3,723	21	80	462
Cleveland TN	1,758	23	39	516
Coeur d'Alene ID	2,197	20	45	400
College Station-Bryan TX	5,453	32	114	658
Columbia MO	2,692	19	56	404
Columbus GA-AL	5,894	21	123	433
Columbus IN	680	8	15	174
Concord CA	46,293	50	953	1,027
Concord NC	5,882	26	123	542
Conroe-The Woodlands TX	7,924	29	162	595
Conway AR	1,769	24	36	482
Corvallis OR	811	10	17	211
Cumberland MD-WV-PA	1,283	20	28	419
Dalton GA	1,689	19	35	394
Danbury CT-NY	3,846	22	79	446
Danville IL	496	8	10	173
Daphne-Fairhope AL	2,053	21	42	418
Davenport IA-IL	4,102	14	85	284
Davis CA	3,280	41	67	848
DeKalb IL	663	9	13	178
Decatur AL	1,550	20	32	414
Decatur IL	1,133	11	24	237
Delano CA	1,518	20	36	475
Deltona FL	3,145	16	65	326
Denton-Lewisville TX	11,593	30	240	624
Des Moines IA	8,998	18	184	371
Dothan AL	2,717	32	57	673
Dover DE	3,015	24	63	500
Dover-Rochester NH-ME	1,863	20	38	417
Dubuque IA-IL	809	11	17	230
Duluth MN-WI	1,873	15	38	308
Durham NC	12,231	33	245	662
East Stoudsburg PA-NJ	1,894	10	39	205
Eau Claire WI	1,329	12	28	254
El Centro-Calexico CA	1,822	15	38	321
El Paso de Robles-Atascadero CA	2,617	36	56	776
Elizabethtown-Radcliff KY	1,316	14	28	297
Elkhart IN-MI	2,031	13	45	295

**Table 4. Key Congestion Measures for 393 Urban Areas, 2017 (continued)**

Urban Area	Annual Hours of Delay		Annual Congestion Cost	
	Total (000)	Per Auto Commuter	Total (Million \$)	\$ per Auto Commuter
Elmira NY	835	12	18	244
Erie PA	3,888	19	80	385
Evansville IN-KY	3,982	17	84	351
Fairbanks AK	2,455	34	52	721
Fairfield CA	8,559	43	175	878
Fajardo PR	631	7	17	173
Farmington NM	920	12	19	249
Fayetteville NC	6,624	20	133	397
Fayetteville-Springdale-Rogers AR-MO	10,654	33	220	686
Flagstaff AZ	1,514	18	33	395
Flint MI	5,495	15	113	301
Florence AL	2,206	26	45	528
Florence SC	2,755	27	58	572
Florida-Imbrey-Barceloneta PR	661	9	17	228
Fond du Lac WI	673	9	14	183
Fort Collins CO	5,968	21	121	420
Fort Smith AR-OK	3,118	24	63	488
Fort Walton Beach-Navarre-Wright FL	4,953	23	100	461
Fort Wayne IN	5,892	18	124	376
Frederick MD	4,002	27	83	556
Fredericksburg VA	4,595	29	95	602
Gadsden AL	1,850	28	39	586
Gainesville FL	5,630	28	115	569
Gainesville GA	3,455	24	71	495
Galveston TX	1,176	13	23	260
Gastonia NC-SC	4,222	24	87	492
Gilroy-Morgan Hill CA	3,975	35	82	728
Glens Falls NY	1,633	22	34	459
Goldsboro NC	1,151	17	24	358
Grand Forks ND-MN	2,353	23	48	465
Grand Island NE	481	6	10	120
Grand Junction CO	1,512	11	30	214
Grants Pass OR	1,060	12	23	251
Great Falls MT	939	13	19	264
Greeley CO	2,858	23	59	473
Green Bay WI	3,421	15	72	316
Greenville NC	3,994	30	81	609
Greenville SC	12,221	28	262	599
Guayama PR	974	12	26	276
Gulfport MS	4,920	21	99	422
Hagerstown MD-WV-PA	2,667	13	60	293
Hammond LA	1,582	20	36	394
Hanford CA	944	10	20	193
Hanover PA	1,337	14	28	306
Harlingen TX	1,685	11	34	230
Harrisburg PA	14,785	33	313	693
Harrisonburg VA	1,859	24	38	485
Hattiesburg MS	2,366	27	48	553
Hazleton PA	1,049	20	22	428
Hemet CA	1,876	10	39	215
Hickory NC	4,060	18	83	363
High Point NC	2,651	14	54	295

**Table 4. Key Congestion Measures for 393 Urban Areas, 2017 (continued)**

Urban Area	Annual Hours of Delay		Annual Congestion Cost	
	Total (000)	Per Auto Commuter	Total (Million \$)	\$ per Auto Commuter
Hilton Head Island SC	1,847	20	41	451
Hinesville GA	627	10	13	205
Holland MI	1,175	11	24	221
Homosassa Spr-Bev Hills-Citrus Spr FL	1,458	15	30	304
Hot Springs AR	1,305	20	26	397
Houma LA	2,806	18	61	399
Huntington WV-KY-OH	3,918	19	82	388
Huntsville AL	7,384	24	148	473
Idaho Falls ID	902	9	18	179
Iowa City IA	2,032	16	43	338
Ithaca NY	1,506	27	31	562
Jackson MI	1,461	16	31	330
Jackson TN	1,712	22	39	508
Jacksonville NC	2,084	19	42	380
Janesville WI	1,333	17	28	370
Jefferson City MO	1,660	23	34	470
Johnson City TN	2,207	16	45	331
Johnstown PA	823	12	17	251
Jonesboro AR	1,771	25	36	495
Joplin MO	1,801	21	37	438
Juana Díaz PR	186	3	5	87
Kahului HI	1,938	23	44	529
Kailua (Honolulu County)-Kaneohe HI	3,002	23	67	522
Kalamazoo MI	3,739	17	78	349
Kankakee IL	1,121	13	23	264
Kennewick-Pasco WA	3,267	15	69	314
Kenosha WI-IL	3,164	23	73	542
Killeen TX	3,315	14	68	295
Kingsport TN-VA	1,925	17	40	359
Kingston NY	2,308	24	48	496
Kissimmee FL	12,940	32	271	677
Kokomo IN	719	8	15	170
La Crosse WI-MN	1,757	16	37	342
Lady Lake-The Villages FL	1,658	13	35	265
Lafayette IN	2,844	18	61	375
Lafayette LA	8,375	31	187	691
Lafayette-Louisville-Erie CO	1,501	17	30	340
Lake Charles LA	4,904	32	113	733
Lake Havasu City AZ	505	6	10	128
Lake Jackson-Angleton TX	1,506	19	32	397
Lakeland FL	4,773	16	102	351
Lancaster PA	8,904	21	188	443
Lansing MI	4,945	15	102	312
Las Cruces NM	2,680	18	55	379
Lawrence KS	1,507	14	31	287
Lawton OK	618	6	13	126
Lebanon PA	683	8	14	171
Leesburg-Eustis-Tavares FL	2,751	18	57	383
Leominster-Fitchburg MA	2,590	21	53	434
Lewiston ID-WA	686	10	14	211
Lewiston ME	1,458	22	31	461
Lexington Park-Cal-Ches Ranch Est MD	1,326	27	27	541



**Table 4. Key Congestion Measures for 393 Urban Areas, 2017 (continued)**

Urban Area	Annual Hours of Delay		Annual Congestion Cost	
	Total (000)	Per Auto Commuter	Total (Million \$)	\$ per Auto Commuter
Lexington-Fayette KY	11,318	37	240	790
Lima OH	948	12	20	260
Lincoln NE	4,733	16	97	334
Livermore CA	3,978	46	83	965
Lodi CA	2,746	37	61	835
Logan UT	771	7	18	175
Lompoc CA	543	8	11	169
Longmont CO	2,513	25	50	505
Longview TX	2,958	29	61	596
Longview WA-OR	1,518	23	33	493
Lorain-Elyria OH	3,165	17	68	360
Los Lunas NM	720	8	15	173
Lubbock TX	4,739	19	99	395
Lynchburg VA	3,651	28	73	567
Macon GA	3,656	24	76	497
Madera CA	1,313	14	28	302
Manchester NH	3,750	22	77	453
Mandeville-Covington LA	3,801	35	80	728
Manhattan KS	780	10	16	196
Mankato MN	706	10	14	197
Mansfield OH	1,045	13	22	263
Manteca CA	3,285	36	70	767
Marysville WA	3,753	23	78	488
Mauldin-Simpsonville SC	3,573	27	78	593
Mayaguez PR	4,477	41	111	1,015
McKinney TX	3,485	19	73	406
Medford OR	2,462	14	53	302
Merced CA	2,176	14	47	306
Michigan City-La Porte IN-MI	709	10	16	217
Middletown OH	1,516	14	32	294
Midland MI	735	10	15	194
Midland TX	2,950	22	63	473
Mission Viejo-Lake Forest-San Clem CA	23,313	38	481	787
Missoula MT	2,162	23	44	462
Mobile AL	9,776	28	199	566
Modesto CA	11,287	30	240	633
Monessen-California PA	890	13	19	262
Monroe LA	2,247	18	48	378
Monroe MI	778	10	16	218
Montgomery AL	6,695	25	137	509
Morgantown WV	838	11	19	245
Morristown TN	1,151	21	23	421
Mount Vernon WA	1,490	25	31	517
Muncie IN	1,086	11	23	232
Murrieta-Temecula-Menifee CA	13,585	29	282	600
Muskegon MI	1,878	11	39	230
Myrtle Beach-Socastee SC-NC	8,268	33	173	693
Nampa ID	2,612	15	53	299
Napa CA	4,332	46	89	936
Nashua NH-MA	5,401	22	111	463
New Bedford MA	3,398	22	70	445
New Bern NC	841	11	17	235

**Table 4. Key Congestion Measures for 393 Urban Areas, 2017 (continued)**

Urban Area	Annual Hours of Delay		Annual Congestion Cost	
	Total (000)	Per Auto Commuter	Total (Million \$)	\$ per Auto Commuter
Newark OH	2,879	19	57	377
North Port-Port Charlotte FL	3,060	16	63	332
Norwich-New London CT-RI	3,983	24	84	506
Ocala FL	4,033	24	84	494
Odessa TX	3,710	31	78	649
Ogden-Layton UT	8,172	14	194	333
Olympia-Lacey WA	5,532	28	118	599
Oshkosh WI	980	12	21	248
Owensboro KY	1,237	15	27	337
Palm Bay-Melbourne FL	10,668	22	225	459
Palm Coast-Daytona Bch-Port Orange FL	6,860	20	142	418
Panama City FL	4,707	30	96	610
Parkersburg WV-OH	605	9	13	189
Pascagoula MS	818	15	17	302
Peoria IL	3,556	13	73	258
Petaluma CA	3,254	38	68	790
Pine Bluff AR	795	11	16	230
Pittsfield MA	1,143	14	23	289
Pocatello ID	977	13	20	264
Ponce PR	2,575	17	67	452
Port Arthur TX	3,449	23	72	482
Port Huron MI	1,554	17	34	363
Port St. Lucie FL	8,903	21	186	441
Porterville CA	495	7	10	136
Portland ME	5,854	28	123	578
Portsmouth NH-ME	3,094	30	64	621
Pottstown PA	1,647	15	34	311
Prescott Valley-Prescott AZ	1,965	20	41	426
Pueblo CO	3,045	20	62	411
Racine WI	2,884	20	65	454
Rapid City SD	1,927	20	40	420
Reading PA	5,548	21	117	435
Redding CA	3,110	23	65	489
Reno NV-CA	10,955	26	226	541
Roanoke VA	5,657	25	116	516
Rochester MN	2,304	19	47	390
Rock Hill SC	2,774	24	60	529
Rockford IL	5,643	18	125	402
Rocky Mount NC	1,199	18	24	358
Rome GA	2,648	33	55	683
Rd Lake Bch-McHenry-Grayslake IL-WI	369	1	8	26
Saginaw MI	2,195	17	46	363
Salinas CA	5,402	27	115	575
Salisbury MD-DE	2,000	19	42	403
San Angelo TX	1,886	18	39	367
San German-Cabo Rojo-Sabana Gra PR	1,216	10	31	246
San Luis Obispo CA	1,652	21	34	428
San Marcos TX	1,330	14	30	320
Santa Barbara CA	10,113	46	215	979
Santa Clarita CA	6,984	28	146	584
Santa Cruz CA	10,608	42	220	873
Santa Fe NM	2,679	28	57	591

**Table 4. Key Congestion Measures for 393 Urban Areas, 2017 (continued)**

Urban Area	Annual Hours of Delay		Annual Congestion Cost	
	Total (000)	Per Auto Commuter	Total (Million \$)	\$ per Auto Commuter
Santa Maria CA	2,200	15	47	328
Santa Rosa CA	18,599	53	383	1,094
Saratoga Springs NY	1,930	26	40	548
Savannah GA	10,021	35	206	713
Scranton PA	7,667	19	158	398
Seaside-Monterey CA	6,053	48	126	1,006
Sebastian-Vero Bch S-Florida Ridge FL	2,456	15	50	303
Sebring-Avon Park FL	1,072	12	23	253
Sheboygan WI	774	10	16	201
Sherman TX	968	12	20	248
Shreveport LA	8,678	28	204	653
Sierra Vista AZ	614	8	13	176
Simi Valley CA	2,598	20	53	414
Sioux City IA-NE-SD	1,549	14	33	285
Sioux Falls SD	3,274	18	68	376
Slidell LA	1,464	15	33	337
South Bend IN-MI	3,722	13	80	274
South Lyon-Howell MI	2,122	16	43	337
Spartanburg SC	5,253	26	112	552
Spring Hill FL	1,768	11	36	222
Springfield IL	2,504	14	53	297
Springfield MO	10,516	34	215	705
Springfield OH	858	9	17	190
St. Augustine FL	2,285	28	46	565
St. Cloud MN	2,025	17	42	359
St. George UT	1,200	11	30	264
St. Joseph MO-KS	1,278	14	27	303
State College PA	1,252	13	26	268
Staunton-Waynesboro VA	1,199	14	24	277
Sumter SC	1,402	18	31	398
Syracuse NY	7,744	18	161	382
Tallahassee FL	7,356	33	151	686
Temple TX	2,429	25	51	534
Terre Haute IN	1,656	17	36	380
Texarkana TX-AR	1,653	19	36	420
Texas City TX	1,999	17	41	342
Thousand Oaks CA	9,247	42	189	856
Titusville FL	742	10	15	213
Topeka KS	3,310	21	71	439
Tracy CA	3,476	36	77	794
Trenton NJ	8,393	28	173	584
Turlock CA	3,190	29	70	637
Tuscaloosa AL	4,600	30	95	624
Twin Rivers-Highstown NJ	1,831	27	37	547
Tyler TX	5,381	31	118	677
Uniontown-Connellsville PA	905	17	19	357
Utica NY	2,123	17	44	359
Vacaville CA	2,605	26	54	535
Valdosta GA	1,826	22	38	460
Vallejo CA	8,197	40	171	835
Victoria TX	2,091	29	45	625
Victorville-Hesperia CA	5,715	16	120	345

**Table 4. Key Congestion Measures for 393 Urban Areas, 2017 (continued)**

Urban Area	Annual Hours of Delay		Annual Congestion Cost	
	Total (000)	Per Auto Commuter	Total (Million \$)	\$ per Auto Commuter
Villas NJ	626	10	13	196
Vineland NJ	1,464	14	30	297
Visalia CA	4,215	17	92	375
Waco TX	3,422	18	73	394
Waldorf MD	2,903	23	60	472
Walla Walla-WA-OR	497	9	11	188
Warner Robins GA	2,599	18	53	367
Waterbury CT	4,013	20	85	430
Waterloo IA	1,021	8	22	174
Watertown NY	788	9	16	185
Watsonville CA	1,593	20	33	411
Wausau WI	1,132	14	24	302
Weirton-Steubenville WV-OH-PA	1,237	17	27	372
Wenatchee WA	1,996	26	41	549
West Bend WI	787	11	16	221
Westminster-Eldersburg MD	1,699	22	35	462
Wheeling WV-OH	2,215	26	51	586
Wichita Falls TX	1,306	13	28	270
Williamsburg VA	1,891	19	37	374
Williamsport PA	1,073	20	22	416
Wilmington NC	6,714	28	135	553
Winchester VA	2,644	32	58	700
Winter Haven FL	3,841	17	81	356
Woodland CA	959	12	20	239
Yakima WA	2,585	18	56	390
Yauco PR	548	6	14	143
York PA	5,221	21	110	448
Youngstown OH-PA	7,057	18	146	377
Yuba City CA	2,567	20	54	411
Yuma AZ-CA	2,693	19	58	413
Zephyrhills FL	1,223	19	26	399