### Performance Measure Summary - Albany-Schenectady NY

There are several inventory and performance measures listed in the pages of this Urban Area Report for the years from 1982 to 2020. There is no single performance measure that experts agree "says it all". A few key points should be recognized by users of the Urban Mobility Scorecard data.

**Use the trends** - The multi-year performance measures are better indicators, in most cases, than any single year. Examining a few measures over many years reduces the chance that data variations or the estimating procedures may have caused a "spike" in any single year. (5 years is 5 times better than 1 year.)

**Use several measures** - Each performance measure illustrates a different element of congestion. (The view is more interesting from atop several measures.)

Compare to similar regions - Congestion analyses that compare areas with similar characteristics (for example, population, growth rate, road and public transportation system design) are usually more insightful than comparisons of different regions. (Los Angeles is not Peoria.)

Compare ranking changes and performance measure values - In some performance measures, a small change in the value may cause a significant change in rank from one year to the next. This is the case when there are several regions with nearly the same value. (15 hours is only 1 hour more than 14 hours.)

Consider the scope of improvement options - Any improvement project in a corridor within most of the regions will only have a modest effect on the regional congestion level. (To have an effect on areawide congestion, there must be significant change in the system or service.)

### **Performance Measures and Definition of Terms**

**Travel Time Index** - A measure of congestion that focuses on each trip and each mile of travel. It is calculated as the ratio of travel time in the peak period to travel time in free-flow. A value of 1.30 indicates that a 20-minute free-flow trip takes 26 minutes in the peak.

**Planning Time Index** - A travel time reliability measure that represents the total travel time that should be planned for a trip. Computed with the 95th percentile travel time it represents the amount of time that should be planned for a commute trip to be late for only 1 day a month. If it is computed with the 80th percentile travel time it represents the amount of time that should be planned for a trip to be late for only 1 day a week. A PTI of 2.00 means that for a 20-minute trip in light traffic, 40 minutes should be planned.

**Peak Commuters** - Number of travelers who begin a trip during the morning or evening peak travel periods (6 to 10 a.m. and 3 to 7 p.m.). "Commuters" are private vehicle users unless specifically noted.

**Annual Delay per Commuter** - A yearly sum of all the per-trip delays for those persons who travel in the peak period (6 to 10 a.m. and 3 to 7 p.m.). This measure illustrates the effect of traffic slowdowns as well as the length of each trip.

**Total Delay** - The overall size of the congestion problem. Measured by the total travel time above that needed to complete a trip at free-flow speeds. The ranking of total delay usually follows the population ranking (larger regions usually have more delay).

**Free-Flow Speeds** - These values are derived from time periods with lighter traffic volumes in the INRIX speed database. They are used as the national comparison thresholds. Other speed thresholds may be appropriate for urban project evaluations or sub-region studies.

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

**Congestion Cost** - Value of travel delay for 2020 (estimated at \$20.17 per hour of person travel and \$55.24 per hour of truck time) and excess fuel consumption estimated using state average cost per gallon.

**Urban Area** - The developed area (population density more than 1,000 persons per square mile) within a metropolitan region. The urban area boundaries change frequently (every year for most growing areas), so increases include both new growth and development that was previously in areas designated as rural.

Number of Rush Hours -Time when the road system might have congestion.

Annual Greenhouse Gases (CO2) Produced -Tons of CO2 produced from all vehicle travel.

Excess Greenhouse Gases (CO2) Produced due to Congestion-Tons of CO2 produced due to congested portion of travel. The excess CO2 is a subset of the total CO2 produced.

Inventory Measures	2020	2019	2018	2017	2016	2015
Urban Area Information						
Population (1000s)	610	610	610	610	610	610
Rank	71	71	70	70	69	68
Commuters (1000s)	297	297	297	297	297	297
Daily Vehicle-Miles of Travel (1000s)						
Freeway	5,288	6,569	6,505	6,470	6,405	6,416
Arterial Streets	4,381	5,442	5,464	5,523	5,525	5,546
Cost Components						
Value of Time (\$/hour)	20.17	19.14	18.71	18.12	17.91	17.69
Commercial Cost (\$/hour)	55.24	49.49	54.71	52.14	50.20	46.87
Gasoline (\$/gallon)	2.55	2.76	3.00	2.48	2.33	2.51
Diesel (\$/gallon)	3.08	3.17	3.38	2.70	2.49	2.88
System Performance	2020	2019	2018	2017	2016	2015
Congested Travel (% of peak VMT)				16.0		
Congested System (% of lane-miles)				13.8		
Congested Time (number of "Rush Hours")				1.2		
Annual Excess Fuel Consumed						
Total Fuel (1000 gallons)	4,203	6,240	5,772	5,341	5,297	5,233
Rank	66	75	76	78	78	78
Fuel per Peak Auto Commuter (gallons)	15	22	22	21	21	21
Rank	9	39	37	41	37	36
Annual Delay						
Total Delay (1000s of person-hours)	10,518	15,617	14,507	14,489	14,298	14,007
Rank	64	72	75	75	75	75
Delay per Auto Commuter (pers-hrs)	33	49	48	49	48	48
Rank	17	44	43	41	39	35
Travel Time Index	1.11	1.15	1.15	1.15	1.14	1.14
Rank	20	72	72	69	79	79
Commuter Stress Index	1.11	1.17	1.18	1.18		
Rank	31	67	63	56		
Freeway Planning Time Index (95th Pctile)		1.23	1.22	1.28		
Rank		84	86	75		
Congestion Cost						
Total Cost (\$ millions)	241	338	319	313	303	293
Rank	64	73	75	75	74	74
Cost per Auto Commuter (\$)	555	781	774	776	772	752
Rank	46	75	78	71	70	66
Truck Congestion						
Annual Person-Hours of Delay (000)	608	732	712	735	725	710
Rank	60	65	66	65	65	65
Annual Gallons of Wasted Fuel (000)	971	1,170	1,208	1,132	1,123	1,110
Rank	63	75	71	73	73	73
Annual Congestion Cost (\$ million)	32	36	39	39	37	34
Rank	60	71	66	65	65	65
Annual Greenhouse Gases (CO2) Produced	41 701	(1.015			I	
Excess Due to Congestion (tons)	41,701	61,915				
Rank	1 460 788	75				
Due to All Travel (tons) Rank	1,469,788	2,182,270 74				
	63	/4				
Truck Annual Greenhouse Gases (CO2) Produced	10.407	10.646			I	
Excess Due to Truck Congestion (tons)	10,497	12,646				
Rank Due to Travel (tone)	519 095	75 625 105				
Due to Truck Travel (tons)	518,985	625,195				
Rank	51	64				

<sup>\*</sup> Note: Zeroes in the table reflect values less than 0.5.

Inventory Measures	2014	2013	2012	2011	2010	2009
Urban Area Information						
Population (1000s)	610	610	610	610	610	605
Rank	68	68	67	66	67	66
Commuters (1000s)	300	300	300	299	298	294
Daily Vehicle-Miles of Travel (1000s)						
Freeway	7,273	7,068	7,060	7,173	7,161	7,000
Arterial Streets	5,623	5,513	5,490	5,501	5,429	5,300
Cost Components						
Value of Time (\$/hour)	17.67	17.39	17.14	16.79	16.28	16.01
Commercial Cost (\$/hour)	44.82	41.23	39.66	44.62	42.50	41.83
Gasoline (\$/gallon)	3.63	3.79	3.75	3.65	2.95	2.47
Diesel (\$/gallon)	3.92	4.20	4.17	3.99	3.21	2.90
System Performance	2014	2013	2012	2011	2010	2009
Congested Travel (% of peak VMT)						
Congested System (% of lane-miles)						
Congested Time (number of "Rush Hours")						
Annual Excess Fuel Consumed						
Total Fuel (1000 gallons)	5,172	5,076	4,976	4,910	4,862	4,824
Rank	77	77	77	77	77	77
Fuel per Peak Auto Commuter (gallons)	21	21	20	20	20	20
Rank	30	30	33	32	29	18
Annual Delay						
Total Delay (1000s of person-hours)	13,605	13,121	12,749	12,355	11,898	11,475
Rank	75	76	76	76	76	76
Delay per Auto Commuter (pers-hrs)	47	46	45	43	42	41
Rank	34	34	36	38	38	38
Travel Time Index	1.14	1.13	1.13	1.13	1.13	1.13
Rank	78	86	84	83	82	82
Commuter Stress Index						
Rank						
Freeway Planning Time Index (95th Pctile)						
Rank						
Congestion Cost						
Total Cost (\$ millions)	289	275	263	253	233	220
Rank	75	76	76	76	76	76
Cost per Auto Commuter (\$)	726	707	695	695	690	679
Rank	69	69	67	66	68	67
Truck Congestion	600		646	(2)	(02	502
Annual Person-Hours of Delay (000)	690	665	646	626	603	582
Rank	1 006	1 076	1 055	1 041	63	1 023
Annual Gallons of Wasted Fuel (000) Rank	1,096	1,076 73	1,055 73	1,041 73	1,031 72	1,023
Rank Annual Congestion Cost (\$ million)	33	30	28	30	27	72 26
Rank	64	64	28 64	63	63	63
	04	04	04	03	03	03
Annual Greenhouse Gases (CO2) Produced  Excess Due to Congestion (tons)				ı		
Rank						
Due to All Travel (tons)					 	 -
Rank						
Truck Annual Greenhouse Gases (CO2) Produced						
Excess Due to Truck Congestion (tons)		_		_		
Rank						 -
Due to Truck Travel (tons)						 
Rank		<u></u>				<u></u>
IXMIN						

<sup>\*</sup> Note: Zeroes in the table reflect values less than 0.5.

Inventory Measures	2008	2007	2006	2005	2004	2003
Urban Area Information						
Population (1000s)	605	600	590	575	560	545
Rank	66	65	66	66	66	67
Commuters (1000s)	293	289	283	274	265	257
Daily Vehicle-Miles of Travel (1000s)	2/3	207	203	2/7	203	231
Freeway	6,970	7,005	6,755	6,400	6,210	6,000
Arterial Streets	5,115	5,260	5,205	4,800	4,660	4,475
	3,113	3,200	3,203	4,800	4,000	4,473
Cost Components Value of Time (\$\frac{9}{2} hour)	16.07	15.47	15.06	14.58	14.10	13.73
Value of Time (\$/hour) Commercial Cost (\$/hour)	40.77	39.30	37.88	36.51	35.19	33.92
Gasoline (\$/gallon)	3.55	39.30	2.82	2.40	2.14	1.62
Diesel (\$/gallon)	4.52	3.71	3.03	2.40	2.14	1.73
System Performance	2008	2007	2006	2005	2004	2003
Congested Travel (% of peak VMT)						
Congested System (% of lane-miles)						
Congested Time (number of "Rush Hours")						
Annual Excess Fuel Consumed						
Total Fuel (1000 gallons)	4,887	4,865	4,731	4,568	4,103	3,799
Rank	78	78	77	76	77	77
Fuel per Peak Auto Commuter (gallons)	20	21	20	21	18	17
Rank	31	23	28	20	38	45
Annual Delay						
Total Delay (1000s of person-hours)	11,179	11,129	10,823	10,448	9,386	8,690
Rank	76	76	75	73	73	73
Delay per Auto Commuter (pers-hrs)	40	41	41	40	37	36
Rank	38	36	34	38	47	50
Travel Time Index	1.13	1.13	1.13	1.13	1.12	1.12
Rank	84	84	81	81	83	81
Commuter Stress Index						
Rank						
Freeway Planning Time Index (95th Pctile)						
Rank						
Congestion Cost						
Total Cost (\$ millions)	221	210	197	182	157	140
Rank	76	76	74	73	73	73
Cost per Auto Commuter (\$)	654	676	676	673	628	595
Rank	70	69	67	67	79	80
Truck Congestion						
Annual Person-Hours of Delay (000)	567	564	549	530	476	441
Rank	63	63	63	63	66	70
Annual Gallons of Wasted Fuel (000)	1,036	1,032	1,003	968	870	805
Rank	74	74	72	71	73	73
Annual Congestion Cost (\$ million)	26	25	22	21	17	15
Rank	63	63	64	63	67	71
Annual Greenhouse Gases (CO2) Produced						
Excess Due to Congestion (tons)						
Rank						
Due to All Travel (tons)						
Rank						
Truck Annual Greenhouse Gases (CO2) Produced						
Excess Due to Truck Congestion (tons)		<b></b>				
Rank		<del></del>				
	1	I	ı		ı	
Due to Truck Travel (tons)						

<sup>\*</sup> Note: Zeroes in the table reflect values less than 0.5.

Inventory Measures	2002	2001	2000	1999	1998	1997
						-221
Urban Area Information	520	520	515	510	505	500
Population (1000s) Rank	530	520 68	515	510 68	505 68	500 67
Commuters (1000s)	247	239	234	229	224	218
	247	239	234	229	224	210
Daily Vehicle-Miles of Travel (1000s)	5.020	5.720	5.500	5 220	5 150	4.075
Freeway Arterial Streets	5,820	5,730	5,500	5,330	5,150	4,975
	4,450	4,400	4,375	4,350	4,280	4,100
Cost Components	10.40	42.00	42.5	12.12		44.00
Value of Time (\$/hour)	13.43	13.22	12.85	12.43	12.17	11.98
Commercial Cost (\$/hour)	32.69	31.51	30.38	29.28	28.89	28.50
Gasoline (\$/gallon)	1.49	1.72	1.64	1.19	1.15	1.31
Diesel (\$/gallon)	1.51	1.70	1.65	1.24	1.29	1.39
System Performance	2002	2001	2000	1999	1998	1997
Congested Travel (% of peak VMT)						
Congested System (% of lane-miles)						
Congested Time (number of "Rush Hours")						
Annual Excess Fuel Consumed						
Total Fuel (1000 gallons)	3,338	3,090	2,896	2,586	2,442	2,138
Rank	77	78	78	81	81	81
Fuel per Peak Auto Commuter (gallons)	15	14	13	12	11	10
Rank	53	54	56	64	65	66
Annual Delay						
Total Delay (1000s of person-hours)	7,635	7,068	6,624	5,915	5,586	4,892
Rank	75	75	76	77	76	78
Delay per Auto Commuter (pers-hrs)	32	31	29	27	26	23
Rank	67	68	71	74	72	77
Travel Time Index	1.11	1.10	1.10	1.09	1.08	1.07
Rank	83	87	85	86	89	93
Commuter Stress Index						
Rank						
Freeway Planning Time Index (95th Pctile)						
Rank						
Congestion Cost						
Total Cost (\$ millions)	120	110	100	85	79	68
Rank	75	75	76	77	76	78
Cost per Auto Commuter (\$)	537	503	483	448	429	382
Rank	84	85	83	84	83	86
Truck Congestion						
Annual Person-Hours of Delay (000)	387	358	336	300	283	248
Rank	72	73	73	75	75	76
Annual Gallons of Wasted Fuel (000)	708	655	614	549	517	453
Rank	74	74	75	79	78	79
Annual Congestion Cost (\$ million)	13	12	11	9	8	7
Rank	71	71	71	73	75	75
Annual Greenhouse Gases (CO2) Produced						
Excess Due to Congestion (tons)						
Rank						
Due to All Travel (tons)						
Rank						
Truck Annual Greenhouse Gases (CO2) Produced						
E D 4- T1- C (4)						
Excess Due to Truck Congestion (tons)	!					
Rank						

<sup>\*</sup> Note: Zeroes in the table reflect values less than 0.5.

Inventory Measures	1996	1995	1994	1993	1992	1991
Urban Area Information						
Population (1000s)	495	495	495	490	490	490
Rank	66	66	65	65	64	64
Commuters (1000s)	214	211	208	204	201	199
Daily Vehicle-Miles of Travel (1000s)						
Freeway	4,850	4,625	4,605	4,520	4,405	4,260
Arterial Streets	3,950	3,900	3,800	3,750	3,700	3,500
Cost Components						
Value of Time (\$/hour)	11.71	11.37	11.06	10.78	10.47	10.17
Commercial Cost (\$/hour)	28.12	27.75	27.38	27.02	26.66	26.30
Gasoline (\$/gallon)	1.37	1.27	1.15	1.21	1.24	1.21
Diesel (\$/gallon)	1.28	1.19	1.07	1.13	1.00	1.35
System Performance	1996	1995	1994	1993	1992	1991
Congested Travel (% of peak VMT)						
Congested System (% of lane-miles)						
Congested Time (number of "Rush Hours")						
Annual Excess Fuel Consumed						
Total Fuel (1000 gallons)	2,014	1,895	1,812	1,646	1,596	1,502
Rank	81	81	80	81	80	80
Fuel per Peak Auto Commuter (gallons)	8	8	8	7	6	6
Rank	76	72	65	67	69	67
Annual Delay						
Total Delay (1000s of person-hours)	4,606	4,336	4,145	3,765	3,651	3,435
Rank	78	76	76	77	76	76
Delay per Auto Commuter (pers-hrs)	22	21	20	19	18	17
Rank	79	78	80	78	80	78
Travel Time Index	1.07	1.07	1.07	1.06	1.06	1.06
Rank	90	87	87	89	88	88
Commuter Stress Index						
Rank						
Freeway Planning Time Index (95th Pctile)						
Rank						
Congestion Cost						
Total Cost (\$ millions)	63	58	53	47	45	41
Rank	78	77	77	77	76	76
Cost per Auto Commuter (\$)	370	360	352	327	328	320
Rank	84	84	84	84	81	81
Truck Congestion						4=:
Annual Person-Hours of Delay (000)	234	220	210	191	185	174
Rank	76	76 402	76	77	76	75
Annual Gallons of Wasted Fuel (000)	427	402	384	349	338	319
Rank	80	79	78	79	78	77
Annual Congestion Cost (\$ million) Rank	7 75	6 76	6   74	5 76	5 73	5 70
	/3	/0	/4	/0	/3	/0
Annual Greenhouse Gases (CO2) Produced					I	
Excess Due to Congestion (tons)  Rank						
Nank Due to All Travel (tons)						
Rank						 -
Truck Annual Greenhouse Gases (CO2) Produced				1	I	
Excess Due to Truck Congestion (tons)						
Rank Due to Truck Travel (tons)						
Due to Truck Travel (tons)						
Rank						

<sup>\*</sup> Note: Zeroes in the table reflect values less than 0.5.

Inventory Measures	1990	1989	1988	1987	1986	1985
Urban Area Information						
Population (1000s)	490	490	485	480	480	475
Rank	64	63	64	64	61	60
Commuters (1000s)	196	194	191	187	186	183
Daily Vehicle-Miles of Travel (1000s)						
Freeway	4,160	3,990	3,800	3,645	3,270	3,040
Arterial Streets	3,300	3,105	3,000	2,980	2,950	2,920
Cost Components						
Value of Time (\$/hour)	9.75	9.25	8.83	8.48	8.18	8.03
Commercial Cost (\$/hour)	25.95	25.60	25.26	24.93	24.60	24.27
Gasoline (\$/gallon)	1.07	1.13	1.04	1.05	1.02	1.34
Diesel (\$/gallon)	1.09	1.05	0.97	0.97	0.95	1.24
System Performance	1990	1989	1988	1987	1986	1985
Congested Travel (% of peak VMT)						
Congested System (% of lane-miles)						
Congested Time (number of "Rush Hours")						
Annual Excess Fuel Consumed						
Total Fuel (1000 gallons)	1,422	1,165	1,083	923	835	782
Rank	79	82	81	82	82	81
Fuel per Peak Auto Commuter (gallons)	7	5	5	4	3	4
Rank	50	63	58	61	74	50
Annual Delay						
Total Delay (1000s of person-hours)	3,254	2,664	2,477	2,109	1,911	1,789
Rank	75	78	78	79	79	78
Delay per Auto Commuter (pers-hrs)	17	14	13	11	10	10
Rank	70	80	80	82	83	80
Travel Time Index	1.05	1.04	1.04	1.03	1.03	1.03
Rank	89	92	91	92	91	89
Commuter Stress Index						
Rank						
Freeway Planning Time Index (95th Pctile)						
Rank						
Congestion Cost						
Total Cost (\$ millions)	37	29	26	21	19	18
Rank	75	79	78	80	80	78
Cost per Auto Commuter (\$)	314	276	266	238	227	214
Rank	79	80	81	83	81	82
Truck Congestion						
Annual Person-Hours of Delay (000)	165	135	126	107	97	91
Rank	72	76 247	75	77	78	77
Annual Gallons of Wasted Fuel (000)	302	247	230	196	177	166
Rank	77	81	80	80	80	79 2
Annual Congestion Cost (\$ million) Rank	4 71	3 76	3 71	3 68	2 76	2 73
	/1	/0	/ 1	08	/0	/3
Annual Greenhouse Gases (CO2) Produced				1		
Excess Due to Congestion (tons)  Rank						
Nank Due to All Travel (tons)	 					
Rank						 -
Truck Annual Greenhouse Gases (CO2) Produced				1		
Excess Due to Truck Congestion (tons)  Rank						
Due to Truck Travel (tons)						
Rank						

<sup>\*</sup> Note: Zeroes in the table reflect values less than 0.5.

Urban Area Information         495         500           Population (1000s)         475         495         50           Rank         59         57         54           Commuters (1000s)         181         188         187           Daily Vehicle-Miles of Travel (1000s)         2,740         2,495         2,450           Freeway         2,740         2,840         2,750           Cost Components         2,900         2,840         2,750           Value of Time (8/hour)         7,75         1,43         7,20           Commercial Cost (\$/hour)         23,94         23,63         23,31           Gasoline (\$/gallon)         1,35         1,38         1,44           Diesel (\$/gallon)         1,35         1,38         1,44           System Performance         1984         1983         1982           Congested Travel (% of peak VMT)         ————————————————————————————————————	Inventory Measures	1984	1983	1982
Rank	Urban Area Information			
Rank	Population (1000s)	475	495	500
Daily Vehicle-Miles of Travel (1000s)   Freeway   2,740   2,495   2,450     Arterial Streets   2,900   2,840   2,750     Cost Components		59	57	54
Daily Vehicle-Miles of Travel (1000s)   Freeway   2,740   2,495   2,450     Arterial Streets   2,900   2,840   2,750     Cost Components   7,75   7,43   7,20     Value of Time (\$\text{Abour})   23,94   23,63   23,31     Gasoline (\$\text{Sigallon})   1,35   1,38   1,44     Diesel (\$\text{Sigallon})   1,25   1,28   1,34     Diesel (\$\text{Sigallon})   1,25   1,25   1,25     Congested Travel (\$\text{Of peak VMT})	Commuters (1000s)	181	188	187
Freeway Arterial Streets         2,740         2,495         2,450           Arterial Streets         2,900         2,840         2,750           Cost Components         Value of Time (S/hour)         7,75         7,43         7,20           Commercial Cost (S/bour)         23,94         23,63         23,31           Gasoline (S/gallon)         1,25         1,28         1,34           Dissel (S/gallon)         1,25         1,28         1,34           System Performance         1984         1983         1982           Congested Travel (% of peak VMT)         ————————————————————————————————————				
Arterial Streets		2,740	2,495	2,450
Value of Time (Shour)	·	· ·		
Value of Time (S/hour)         7.75         7.43         7.20           Commercial Cost (S/hour)         23.94         23.63         23.31           Gasoline (S/gallon)         1.35         1.38         1.44           Diesel (S/gallon)         1.25         1.28         1.34           System Performance         1984         1983         1982           Congested Travel (% of peak VMT)         -         -         -         -           Congested Time (number of "Rush Hours")         -         -         -         -           Annual Exess Fuel Consumed         82         82         79           Total Fuel (1000 gallons)         644         605         581           Rank         82         82         79           Fuel per Peak Auto Commuter (gallons)         3         2         1           Rank         61         69         82           Annual Delay         1,582         1,385         1,329           Rank         78         77         74           Delay per Auto Commuter (pers-brs)         8         7         7           Rank         95         89         100           Commuter Stress Index         10         10 <td< td=""><td></td><td>,</td><td>,</td><td>,</td></td<>		,	,	,
Commercial Cost (S/hour)	_	7 75	7 43	7.20
Gasoline (S/gallon)   1.35   1.38   1.44     Diesel (S/gallon)   1.25   1.28   1.34     System Performance   1984   1983   1982     Congested Travel (% of peak VMT)           Congested System (% of lane-miles)         Congested Time (number of "Rush Hours")         Annual Excess Fuel Consumed     Total Fuel (1000 gallons)   644   605   581     Rank   82   82   79     Fuel per Peak Auto Commuter (gallons)   3   2   11     Rank   61   69   82     Annual Delay   Total Delay (1000s of person-hours)   1,582   1,385   1,329     Rank   78   77   74     Delay per Auto Commuter (pers-hrs)   8   7   7     Rank   83   85   82     Travel Time Index   1.02   1.02   1.00     Rank   95   89   100     Commuter Stress Index         Rank           Rank           Teveway Planning Time Index (95th Petile)         Rank   79   76   74     Cost per Auto Commuter (\$)   15   13   12     Rank   79   76   74     Cost per Auto Commuter (\$)   188   179   180     Rank   83   82   81     Truck Congestion Cost   15   10   12     Rank   79   76   74     Cost per Auto Commuter (\$)   15   13   12     Rank   80   77   75     Annual Derson-Hours of Delay (000)   75   70   67     Rank   80   77   75     Annual Congestion Cost (\$ million)   2   2   2   2     Rank   70   70   67     Rank   80   77   75     Annual Congestion Cost (\$ million)   2   2   2   2     Rank   70   70   67     Annual Greenhouse Gases (CO2) Produced     Excess Due to Truck Congestion (tons)         Truck Annual Greenhouse Gases (CO2) Produced     Excess Due to Truck Congestion (tons)         Truck Annual Greenhouse Gases (CO2) Produced     Excess Due to Truck Congestion (tons)         Truck Annual Greenhouse Gases (CO2) Produced     Excess Due to Truck Congestion (tons)         Truck Annual Greenhouse Gases (CO2) Produced     Excess Due to Truck Congestion (tons)         Truck Annual Greenhouse Gases (CO2) Produced     Excess Due to Truck Congestion (tons)         Truck Annual Greenhouse G				
Diesel (Sgallon)   1.25   1.28   1.34	` ´			
System Performance				
Congested Travel (% of peak VMT)				
Congested System (% of lane-miles)              Congested Time (number of "Rush Hours")              Annual Excess Fuel Consumed              Total Fuel (1000 gallons)         6644         605         581           Rank         82         82         79           Fuel per Peak Auto Commuter (gallons)         3         2         1           Rank         61         69         82           Annual Delay           74           Delay per Auto Commuter (pers-hrs)         8         7         7           Rank         83         85         82           Travel Time Index         1.02         1.02         1.00           Rank         95         89         100           Commuter Stress Index              Rank              Freeway Planning Time Index (95th Petile)              Rank              Freeway Planning Time Index (95th Petile)         15         13         12           Rank	•		1705	
Congested Time (number of "Rush Hours")         —         —         —           Annual Excess Fuel Consumed         82         82         79           Total Fuel (1000 gallons)         84         605         581           Rank         82         82         79           Fuel per Peak Auto Commuter (gallons)         3         2         1           Rank         61         69         82           Annual Detay         1,582         1,385         1,329           Rank         78         77         74           Delay per Auto Commuter (pers-hrs)         8         77         74           Delay per Auto Commuter (pers-hrs)         8         77         74           Rank         83         85         82           Travel Time Index         1.02         1.02         1.00           Rank         95         89         100           Commuter Stress Index	• • •			
Annual Excess Fuel Consumed   Total Fuel (1000 gallons)   644   605   581   Rank   82   82   79   Fuel per Peak Auto Commuter (gallons)   3   3   2   11   Rank   61   69   82   82   79   79   79   70   74   74   74   74   74   74   74				
Total Fuel (1000 gallons)				
Rank				<b>7</b> 04
Fuel per Peak Auto Commuter (gallons) Rank 61 69 82		-		
Rank				
Annual Delay   Total Delay (1000s of person-hours)   1,582   1,385   1,329   Rank   78   77   74   Total Delay per Auto Commuter (pers-hrs)   8   7   7   74   Total Delay per Auto Commuter (pers-hrs)   8   7   7   7   7   7   7   7   7   7				_
Total Delay (1000s of person-hours)		61	69	82
Rank       78       77       74         Delay per Auto Commuter (pers-hrs)       8       7       7         Rank       83       85       82         Travel Time Index       1.02       1.02       1.00         Rank       95       89       100         Commuter Stress Index            Rank            Freeway Planning Time Index (95th Pctile)            Rank            Rank       79       76       74         Congestion Cost       15       13       12         Rank       79       76       74         Cost per Auto Commuter (\$)       188       179       180         Rank       79       76       74         Cost per Auto Commuter (\$)       188       179       180         Rank       79       76       74         Cost per Auto Commuter (\$)       188       179       180         Rank       79       76       74         Cost per Auto Commuter (\$)       75       70       67         Rank       78       7	·			
Delay per Auto Commuter (pers-hrs)		1,582		1,329
Rank				74
Travel Time Index		-		·
Rank       95       89       100         Commuter Stress Index            Rank            Freeway Planning Time Index (95th Pctile)            Rank            Congestion Cost            Total Cost (\$ millions)       15       13       12         Rank       79       76       74         Cost per Auto Commuter (\$)       188       179       180         Rank       83       82       81         Truck Congestion            Annual Person-Hours of Delay (000)       75       70       67         Rank       78       75       75         Annual Gallons of Wasted Fuel (000)       137       128       123         Rank       80       77       75         Annual Congestion Cost (\$ million)       2       2       2         Rank       71       68       65         Annual Greenhouse Gases (CO2) Produced            Excess Due to Congestion (tons)	Rank	83	85	82
Commuter Stress Index	Travel Time Index	1.02	1.02	1.00
Rank	Rank	95	89	100
Freeway Planning Time Index (95th Pctile)	Commuter Stress Index			
Rank            Congestion Cost       Total Cost (\$ millions)       15       13       12         Rank       79       76       74         Cost per Auto Commuter (\$)       188       179       180         Rank       83       82       81         Truck Congestion         Annual Person-Hours of Delay (000)       75       70       67         Rank       78       75       75         Annual Gallons of Wasted Fuel (000)       137       128       123         Rank       80       77       75         Annual Congestion Cost (\$ million)       2       2       2       2         Rank       71       68       65         Annual Greenhouse Gases (CO2) Produced             Excess Due to Congestion (tons)             Truck Annual Greenhouse Gases (CO2) Produced             Excess Due to Truck Congestion (tons)             Touch Congestion (tons)             Touch Congestion (tons) <th< td=""><td>Rank</td><td></td><td></td><td></td></th<>	Rank			
Congestion Cost         15         13         12           Rank         79         76         74           Cost per Auto Commuter (\$)         188         179         180           Rank         83         82         81           Truck Congestion         83         82         81           Annual Person-Hours of Delay (000)         75         70         67           Rank         78         75         75           Annual Gallons of Wasted Fuel (000)         137         128         123           Rank         80         77         75           Annual Congestion Cost (\$ million)         2         2         2         2           Rank         71         68         65           Annual Greenhouse Gases (CO2) Produced              Excess Due to Congestion (tons)              Rank              Due to All Travel (tons)              Excess Due to Truck Congestion (tons)              Rank               Due to Truck T	Freeway Planning Time Index (95th Pctile)			
Total Cost (\$ millions)	Rank			
Rank       79       76       74         Cost per Auto Commuter (\$)       188       179       180         Rank       83       82       81         Truck Congestion         Annual Person-Hours of Delay (000)       75       70       67         Rank       78       75       75         Annual Gallons of Wasted Fuel (000)       137       128       123         Rank       80       77       75         Annual Congestion Cost (\$ million)       2       2       2       2         Rank       71       68       65         Annual Greenhouse Gases (CO2) Produced            Excess Due to Congestion (tons)            Rank            Due to All Travel (tons)            Truck Annual Greenhouse Gases (CO2) Produced            Excess Due to Truck Congestion (tons)            Rank             Due to Truck Travel (tons)	Congestion Cost			
Cost per Auto Commuter (\$)         188         179         180           Rank         83         82         81           Truck Congestion         3         82         81           Annual Person-Hours of Delay (000)         75         70         67           Rank         78         75         75           Annual Gallons of Wasted Fuel (000)         137         128         123           Rank         80         77         75           Annual Congestion Cost (\$ million)         2         2         2         2           Rank         71         68         65           Annual Greenhouse Gases (CO2) Produced              Excess Due to Congestion (tons)              Rank              Due to All Travel (tons)              Rank              Truck Annual Greenhouse Gases (CO2) Produced              Excess Due to Truck Congestion (tons)              Rank <tr< td=""><td>Total Cost (\$ millions)</td><td>15</td><td>13</td><td>12</td></tr<>	Total Cost (\$ millions)	15	13	12
Rank	Rank	79	76	74
Name	Cost per Auto Commuter (\$)	188	179	180
Annual Person-Hours of Delay (000) 75 70 67 Rank 78 75 75 Annual Gallons of Wasted Fuel (000) 137 128 123 Rank 80 77 75 Annual Congestion Cost (\$ million) 2 2 2 2 2 Rank 71 68 65  Annual Greenhouse Gases (CO2) Produced Excess Due to Congestion (tons) Rank Due to All Travel (tons) Rank Truck Annual Greenhouse Gases (CO2) Produced Excess Due to Truck Congestion (tons) Rank Truck Annual Greenhouse Gases (CO2) Produced Excess Due to Truck Congestion (tons) Rank Rank Truck Annual Greenhouse Gases (CO2) Produced	Rank	83	82	81
Rank       78       75       75         Annual Gallons of Wasted Fuel (000)       137       128       123         Rank       80       77       75         Annual Congestion Cost (\$ million)       2       2       2       2         Rank       71       68       65         Annual Greenhouse Gases (CO2) Produced            Excess Due to Congestion (tons)            Rank            Truck Annual Greenhouse Gases (CO2) Produced            Excess Due to Truck Congestion (tons)            Rank            Due to Truck Travel (tons)	Truck Congestion			
Annual Gallons of Wasted Fuel (000) 137 128 123 Rank 80 77 75 Annual Congestion Cost (\$ million) 2 2 2 2 Rank 71 68 65  Annual Greenhouse Gases (CO2) Produced Excess Due to Congestion (tons) Rank Due to All Travel (tons) Rank Truck Annual Greenhouse Gases (CO2) Produced Excess Due to Truck Congestion (tons) Rank Truck Annual Greenhouse Gases (CO2) Produced Excess Due to Truck Congestion (tons) Rank Due to Truck Travel (tons)	Annual Person-Hours of Delay (000)	75	70	67
Rank       80       77       75         Annual Congestion Cost (\$ million)       2       2       2         Rank       71       68       65         Annual Greenhouse Gases (CO2) Produced            Excess Due to Congestion (tons)            Rank            Due to All Travel (tons)            Rank            Truck Annual Greenhouse Gases (CO2) Produced            Excess Due to Truck Congestion (tons)            Rank            Due to Truck Travel (tons)	Rank	78	75	75
Annual Congestion Cost (\$ million)       2       2       2       2         Rank       71       68       65         Annual Greenhouse Gases (CO2) Produced            Excess Due to Congestion (tons)            Rank            Due to All Travel (tons)            Rank            Truck Annual Greenhouse Gases (CO2) Produced            Excess Due to Truck Congestion (tons)            Rank            Due to Truck Travel (tons)	Annual Gallons of Wasted Fuel (000)	137	128	123
Rank       71       68       65         Annual Greenhouse Gases (CO2) Produced       State of the produced of the	Rank	80	77	75
Annual Greenhouse Gases (CO2) Produced	Annual Congestion Cost (\$ million)	2	2	2
Excess Due to Congestion (tons)	Rank	71	68	65
Excess Due to Congestion (tons)	Annual Greenhouse Gases (CO2) Produced			
Rank            Due to All Travel (tons)            Rank            Truck Annual Greenhouse Gases (CO2) Produced            Excess Due to Truck Congestion (tons)            Rank            Due to Truck Travel (tons)				
Rank              Truck Annual Greenhouse Gases (CO2) Produced              Excess Due to Truck Congestion (tons)              Rank              Due to Truck Travel (tons)	- ' '			
Rank              Truck Annual Greenhouse Gases (CO2) Produced              Excess Due to Truck Congestion (tons)              Rank              Due to Truck Travel (tons)	Due to All Travel (tons)			
Excess Due to Truck Congestion (tons)            Rank            Due to Truck Travel (tons)	· · ·			
Excess Due to Truck Congestion (tons)            Rank            Due to Truck Travel (tons)	Truck Annual Greenhouse Gases (CO2) Produced			
Rank            Due to Truck Travel (tons)				
	Rank			

<sup>\*</sup> Note: Zeroes in the table reflect values less than 0.5.