Performance Measure Summary - Phoenix-Mesa AZ

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.

Mobility Data for Phoenix-Mesa AZ

Inventory Measures	2020	2019	2018	2017	2016	2015
Urban Area Information						
Population (1000s)	4,175	4,175	4,100	4,000	3,980	3,945
Rank	11	11	11	11	11	11
Commuters (1000s)	2,128	2,128	2,090	2,039	2,028	2,009
Daily Vehicle-Miles of Travel (1000s)						
Freeway	29,884	34,114	34,155	32,587	31,625	31,209
Arterial Streets	36,602	41,783	41,169	40,584	41,697	41,579
Cost Components						
Value of Time ($/hour)	20.17	19.14	18.71	18.12	17.91	17.69
Commercial Cost ($/hour)	55.24	61.03	54.71	52.14	50.20	46.87
Gasoline ($/gallon)	2.72	2.86	2.92	2.23	2.15	2.42
Diesel ($/gallon)	2.93	3.01	3.18	2.42	2.20	2.41
System Performance	**2020**	**2019**	**2018**	**2017**	**2016**	**2015**
Congested Travel (% of peak VMT)	--	--	--	27.9	--	--
Congested System (% of lane-miles)	--	--	--	14.8	--	--
Congested Time (number of "Rush Hours")	--	--	--	4.1	--	--
Annual Excess Fuel Consumed						
Total Fuel (1000 gallons)	27,334	67,049	66,920	67,117	66,749	66,367
Rank	14	13	12	12	12	12
Fuel per Peak Auto Commuter (gallons)	10	25	25	26	25	24
Rank	59	21	20	15	16	20
Annual Delay						
Total Delay (1000s of person-hours)	68,645	168,382	166,236	163,247	160,159	156,520
Rank	14	13	13	14	14	14
Delay per Auto Commuter (pers-hrs)	25	61	62	62	61	59
Rank	55	22	18	18	18	19
Travel Time Index	1.08	1.29	1.28	1.27	1.27	1.27
Rank	44	19	20	22	21	20
Commuter Stress Index	1.09	1.34	1.33	1.30	--	--
Rank	44	19	21	23	--	--
Freeway Planning Time Index (95th Pctile)	--	2.01	2.13	1.97	--	--
Rank	--	14	7	17	--	--
Congestion Cost						
Total Cost ($ millions)	1,545	3,728	3,630	3,481	3,363	3,252
Rank	14	11	13	14	14	14
Cost per Auto Commuter ($)	489	1,179	1,169	1,149	1,134	1,102
Rank	65	29	30	30	30	27
Truck Congestion						
Annual Person-Hours of Delay (000)	3,010	7,765	7,337	6,856	6,727	6,574
Rank	14	10	11	14	14	14
Annual Gallons of Wasted Fuel (000)	5,298	13,668	13,885	14,229	14,151	14,070
Rank	14	10	10	10	10	10
Annual Congestion Cost ($ million)	161	462	408	367	345	321
Rank	14	10	10	13	14	14
Annual Greenhouse Gases (CO2) Produced						
Excess Due to Congestion (tons)	274,382	673,042	--	--	--	--
Rank	14	13	--	--	--	--
Due to All Travel (tons)	6,166,798	15,126,790	--	--	--	--
Rank	14	12	--	--	--	--
Truck Annual Greenhouse Gases (CO2) Produced						
Excess Due to Truck Congestion (tons)	58,170	150,063	--	--	--	--
Rank	15	11	--	--	--	--
Due to Truck Travel (tons)	1,130,686	2,916,886	--	--	--	--
Rank	21	13	--	--	--	--

* Note: Zeroes in the table reflect values less than 0.5.

Mobility Data for Phoenix-Mesa AZ

Inventory Measures	2014	2013	2012	2011	2010	2009
Urban Area Information						
Population (1000s)	3,925	3,900	3,850	3,790	3,740	3,625
Rank	11	11	11	12	12	12
Commuters (1000s)	1,998	1,985	1,942	1,902	1,870	1,803
Daily Vehicle-Miles of Travel (1000s)						
Freeway	30,803	29,401	30,025	29,657	29,278	29,300
Arterial Streets	38,100	38,160	34,460	35,248	34,798	34,800
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 ($/gallon)	3.23	3.47	3.34	3.19	2.70	2.32
Diesel ($/gallon)	3.55	3.77	3.94	3.68	2.99	2.59
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)	65,942	65,311	64,527	62,456	60,836	59,674
Rank	12	12	12	13	13	13
Fuel per Peak Auto Commuter (gallons)	23	23	24	24	23	20
Rank	19	17	16	14	14	18
Annual Delay						
Total Delay (1000s of person-hours)	152,812	150,010	145,564	138,331	133,493	128,498
Rank	14	14	14	14	14	14
Delay per Auto Commuter (pers-hrs)	57	55	53	52	50	49
Rank	19	19	19	18	17	15
Travel Time Index	1.27	1.27	1.28	1.28	1.28	1.29
Rank	19	19	18	17	16	12
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	3,224	3,120	2,982	2,804	2,594	2,437
Rank	14	14	14	14	14	14
Cost per Auto Commuter ($)	1,069	1,060	1,042	1,022	1,017	997
Rank	26	25	25	25	27	27
Truck Congestion						
Annual Person-Hours of Delay (000)	6,418	6,300	6,114	5,810	5,607	5,397
Rank	14	14	14	14	14	14
Annual Gallons of Wasted Fuel (000)	13,980	13,846	13,680	13,241	12,897	12,651
Rank	10	10	10	11	11	11
Annual Congestion Cost ($ million)	319	295	281	291	261	243
Rank	12	11	11	13	13	12
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	--	--	--	--	--	--

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Mobility Data for Phoenix-Mesa AZ

Inventory Measures	2008	2007	2006	2005	2004	2003
Urban Area Information						
Population (1000s)	3,540	3,490	3,390	3,300	3,160	3,050
Rank	12	12	12	13	13	13
Commuters (1000s)	1,742	1,708	1,650	1,580	1,501	1,438
Daily Vehicle-Miles of Travel (1000s)						
Freeway	29,200	29,450	29,400	28,370	26,670	25,000
Arterial Streets	34,925	35,000	34,500	34,105	32,110	31,035
Cost Components						
Value of Time ($/hour)	16.07	15.47	15.06	14.58	14.10	13.73
Commercial Cost ($/hour)	40.77	39.30	37.88	36.51	35.19	33.92
Gasoline ($/gallon)	3.36	3.03	2.63	2.42	2.04	1.59
Diesel ($/gallon)	4.09	3.55	2.97	2.69	2.12	1.61
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)	64,344	65,212	60,692	57,691	53,336	50,131
Rank	13	13	13	13	13	13
Fuel per Peak Auto Commuter (gallons)	24	26	24	24	21	20
Rank	9	6	10	10	14	17
Annual Delay						
Total Delay (1000s of person-hours)	131,955	133,736	124,466	118,312	109,380	102,808
Rank	13	13	13	14	14	14
Delay per Auto Commuter (pers-hrs)	47	48	48	47	47	46
Rank	21	19	20	22	22	20
Travel Time Index	1.29	1.30	1.29	1.28	1.28	1.27
Rank	15	13	13	14	14	14
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	2,590	2,511	2,250	2,062	1,824	1,646
Rank	13	13	13	14	14	14
Cost per Auto Commuter ($)	1,014	1,067	1,021	1,002	959	925
Rank	20	18	24	26	30	31
Truck Congestion						
Annual Person-Hours of Delay (000)	5,542	5,617	5,228	4,969	4,594	4,318
Rank	12	12	13	14	14	14
Annual Gallons of Wasted Fuel (000)	13,641	13,825	12,867	12,231	11,307	10,628
Rank	11	11	11	11	11	12
Annual Congestion Cost ($ million)	268	256	224	203	175	154
Rank	11	11	12	13	14	14
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	--	--	--	--	--	--

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Mobility Data for Phoenix-Mesa AZ

Inventory Measures	2002	2001	2000	1999	1998	1997
Urban Area Information						
Population (1000s)	2,970	2,900	2,825	2,700	2,550	2,450
Rank	13	13	13	13	15	15
Commuters (1000s)	1,376	1,323	1,256	1,169	1,086	1,026
Daily Vehicle-Miles of Travel (1000s)						
Freeway	22,550	21,600	19,425	16,995	15,005	13,925
Arterial Streets	30,515	29,725	29,100	28,600	28,025	27,500
Cost Components						
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 ($/gallon)	1.47	1.62	1.52	1.38	1.19	1.32
Diesel ($/gallon)	1.46	1.66	1.57	1.39	1.31	1.34
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)	47,705	44,702	42,181	39,449	34,791	32,117
Rank	13	13	13	13	14	14
Fuel per Peak Auto Commuter (gallons)	19	18	17	17	14	13
Rank	18	23	24	17	31	38
Annual Delay						
Total Delay (1000s of person-hours)	97,832	91,675	86,505	80,900	71,348	65,865
Rank	14	14	14	14	15	15
Delay per Auto Commuter (pers-hrs)	46	46	45	45	44	44
Rank	17	15	15	14	13	11
Travel Time Index	1.27	1.26	1.25	1.25	1.24	1.23
Rank	13	14	16	13	12	13
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	1,526	1,414	1,294	1,166	1,002	915
Rank	14	14	14	14	14	15
Cost per Auto Commuter ($)	900	854	829	802	724	678
Rank	33	34	33	33	42	41
Truck Congestion						
Annual Person-Hours of Delay (000)	4,109	3,850	3,633	3,398	2,997	2,766
Rank	14	14	14	14	14	14
Annual Gallons of Wasted Fuel (000)	10,113	9,477	8,942	8,363	7,376	6,809
Rank	12	12	12	12	13	13
Annual Congestion Cost ($ million)	140	129	117	104	90	83
Rank	14	14	14	14	14	14
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	--	--	--	--	--	--

* Note: Zeroes in the table reflect values less than 0.5.

Mobility Data for Phoenix-Mesa AZ

Inventory Measures	1996	1995	1994	1993	1992	1991
Urban Area Information						
Population (1000s)	2,340	2,220	2,130	2,070	2,022	1,930
Rank	15	15	16	17	17	18
Commuters (1000s)	965	900	850	813	782	734
Daily Vehicle-Miles of Travel (1000s)						
Freeway	13,345	12,000	10,600	9,910	9,800	9,015
Arterial Streets	27,220	26,800	26,400	26,215	25,545	25,220
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 ($/gallon)	1.26	1.20	1.19	1.18	1.22	1.06
Diesel ($/gallon)	1.29	1.22	1.21	1.20	1.26	1.20
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)	30,267	27,587	25,373	24,469	23,203	21,599
Rank	14	14	14	14	14	14
Fuel per Peak Auto Commuter (gallons)	12	11	10	9	10	8
Rank	38	41	45	49	24	45
Annual Delay						
Total Delay (1000s of person-hours)	62,072	56,575	52,034	50,181	47,584	44,296
Rank	15	15	15	15	15	15
Delay per Auto Commuter (pers-hrs)	44	43	42	42	41	41
Rank	11	11	11	11	10	9
Travel Time Index	1.23	1.22	1.22	1.22	1.21	1.21
Rank	9	13	10	6	9	8
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	843	746	669	630	583	525
Rank	15	15	15	15	15	15
Cost per Auto Commuter ($)	654	614	581	577	563	541
Rank	41	44	45	41	41	41
Truck Congestion						
Annual Person-Hours of Delay (000)	2,607	2,376	2,185	2,108	1,999	1,860
Rank	14	14	14	14	14	14
Annual Gallons of Wasted Fuel (000)	6,417	5,848	5,379	5,187	4,919	4,579
Rank	13	13	13	13	13	13
Annual Congestion Cost ($ million)	77	69	62	59	56	51
Rank	14	14	14	14	14	14
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	--	--	--	--	--	--

* Note: Zeroes in the table reflect values less than 0.5.

Mobility Data for Phoenix-Mesa AZ

Inventory Measures	1990	1989	1988	1987	1986	1985
Urban Area Information						
Population (1000s)	1,895	1,875	1,830	1,820	1,735	1,650
Rank	18	18	18	18	20	20
Commuters (1000s)	709	697	675	665	629	594
Daily Vehicle-Miles of Travel (1000s)						
Freeway	7,850	6,705	5,065	4,440	4,050	3,715
Arterial Streets	25,055	24,310	24,000	23,435	22,525	22,040
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 ($/gallon)	1.07	1.11	1.02	1.03	1.00	1.31
Diesel ($/gallon)	1.18	1.20	1.10	1.11	1.08	1.42
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)	20,829	19,991	19,199	18,282	17,982	16,694
Rank	14	14	14	14	14	14
Fuel per Peak Auto Commuter (gallons)	8	7	7	7	8	6
Rank	35	39	27	22	14	22
Annual Delay						
Total Delay (1000s of person-hours)	42,716	40,997	39,373	37,492	36,876	34,236
Rank	14	14	14	14	14	14
Delay per Auto Commuter (pers-hrs)	41	40	39	38	39	38
Rank	8	8	9	8	5	5
Travel Time Index	1.21	1.20	1.20	1.20	1.20	1.20
Rank	7	8	7	5	5	5
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	488	448	411	378	359	334
Rank	14	14	14	14	14	14
Cost per Auto Commuter ($)	544	554	559	555	567	536
Rank	31	30	25	24	22	22
Truck Congestion						
Annual Person-Hours of Delay (000)	1,794	1,722	1,654	1,575	1,549	1,438
Rank	14	14	14	14	14	14
Annual Gallons of Wasted Fuel (000)	4,416	4,238	4,070	3,876	3,812	3,539
Rank	13	13	13	13	13	11
Annual Congestion Cost ($ million)	49	46	43	41	40	38
Rank	14	14	14	14	14	14
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	--	--	--	--	--	--

* Note: Zeroes in the table reflect values less than 0.5.

Mobility Data for Phoenix-Mesa AZ

Inventory Measures	1984	1983	1982
Urban Area Information			
Population (1000s)	1,590	1,520	1,430
Rank	20	20	21
Commuters (1000s)	568	539	502
Daily Vehicle-Miles of Travel (1000s)			
Freeway	3,625	3,035	2,975
Arterial Streets	21,500	21,185	21,070
Cost Components			
Value of Time ($/hour)	7.75	7.43	7.20
Commercial Cost ($/hour)	23.94	23.63	23.31
Gasoline ($/gallon)	1.33	1.36	1.42
Diesel ($/gallon)	1.43	1.46	1.53
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)	15,671	14,764	13,223
Rank	14	14	14
Fuel per Peak Auto Commuter (gallons)	6	7	4
Rank	20	12	19
Annual Delay			
Total Delay (1000s of person-hours)	32,138	30,277	27,117
Rank	14	14	14
Delay per Auto Commuter (pers-hrs)	38	37	36
Rank	6	5	4
Travel Time Index	1.19	1.19	1.18
Rank	6	5	5
Commuter Stress Index	--	--	--
Rank	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--
Rank	--	--	--
Congestion Cost			
Total Cost ($ millions)	304	277	242
Rank	14	14	14
Cost per Auto Commuter ($)	521	514	476
Rank	20	19	20
Truck Congestion			
Annual Person-Hours of Delay (000)	1,350	1,272	1,139
Rank	14	14	14
Annual Gallons of Wasted Fuel (000)	3,322	3,130	2,803
Rank	11	11	12
Annual Congestion Cost ($ million)	35	33	29
Rank	14	14	14
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	--	--	--

* Note: Zeroes in the table reflect values less than 0.5.