

# Performance Measure Summary - Medium Area Sum (33 areas)

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 (CO<sub>2</sub>) Produced** - Tons of CO<sub>2</sub> produced from all vehicle travel.

**Excess Greenhouse Gases (CO<sub>2</sub>) Produced due to Congestion** - Tons of CO<sub>2</sub> produced due to congested portion of travel. The excess CO<sub>2</sub> is a subset of the total CO<sub>2</sub> produced.

# Mobility Data for Medium Area Sum (33 areas)

Inventory Measures	2020	2019	2018	2017	2016	2015
<b>Urban Area Information</b>						
Population (1000s)	23,195	23,195	23,165	23,120	22,995	22,830
Rank	--	--	--	--	--	--
Commuters (1000s)	11,712	11,712	11,697	11,677	11,597	11,507
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	173,494	207,220	208,048	204,727	201,620	196,711
Arterial Streets	181,770	214,713	217,643	217,021	216,448	212,289
<b>Cost Components</b>						
Value of Time (\$/hour)	20.17	19.14	18.71	18.12	17.91	17.69
Commercial Cost (\$/hour)	55.24	53.96	54.71	52.14	50.20	46.87
Gasoline (\$/gallon)	2.40	2.67	2.89	2.36	2.19	2.34
Diesel (\$/gallon)	2.87	3.03	3.31	2.57	2.36	2.61
System Performance	2020	2019	2018	2017	2016	2015
<b>Congested Travel (% of peak VMT)</b>	--	--	--	15.6	--	--
<b>Congested System (% of lane-miles)</b>	--	--	--	10.3	--	--
<b>Congested Time (number of "Rush Hours")</b>	--	--	--	2.1	--	--
<b>Annual Excess Fuel Consumed</b>						
Total Fuel (1000 gallons)	157,706	294,490	287,052	281,886	277,041	272,646
Rank	--	--	--	--	--	--
Fuel per Peak Auto Commuter (gallons)	11	19	19	19	18	18
Rank	--	--	--	--	--	--
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	375,893	701,294	684,809	674,342	654,606	635,143
Rank	--	--	--	--	--	--
Delay per Auto Commuter (pers-hrs)	25	45	44	44	43	42
Rank	--	--	--	--	--	--
<b>Travel Time Index</b>						
	1.08	1.18	1.18	1.18	1.18	1.18
Rank	--	--	--	--	--	--
<b>Commuter Stress Index</b>						
	1.09	1.21	1.21	1.20	--	--
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>						
	--	1.44	1.42	1.45	--	--
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	8,539	15,398	15,061	14,530	13,870	13,278
Rank	--	--	--	--	--	--
Cost per Auto Commuter (\$)	502	905	886	855	839	809
Rank	--	--	--	--	--	--
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	19,872	33,949	32,655	31,739	30,861	29,896
Rank	--	--	--	--	--	--
Annual Gallons of Wasted Fuel (000)	34,338	58,986	57,294	56,229	55,351	54,366
Rank	--	--	--	--	--	--
Annual Congestion Cost (\$ million)	1,059	1,832	1,806	1,687	1,571	1,445
Rank	--	--	--	--	--	--
<b>Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Congestion (tons)	1,580,820	2,952,781	--	--	--	--
Rank	--	--	--	--	--	--
Due to All Travel (tons)	48,302,413	87,737,230	--	--	--	--
Rank	--	--	--	--	--	--
<b>Truck Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Truck Congestion (tons)	379,563	651,339	--	--	--	--
Rank	--	--	--	--	--	--
Due to Truck Travel (tons)	13,461,606	21,934,533	--	--	--	--
Rank	--	--	--	--	--	--

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

# Mobility Data for Medium Area Sum (33 areas)

Inventory Measures	2014	2013	2012	2011	2010	2009
<b>Urban Area Information</b>						
Population (1000s)	22,735	22,515	22,300	22,110	21,927	21,650
Rank	--	--	--	--	--	--
Commuters (1000s)	11,465	11,426	11,310	11,183	11,053	10,872
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	189,195	181,772	178,555	185,867	183,824	178,283
Arterial Streets	208,869	204,213	201,900	204,728	203,239	204,615
<b>Cost Components</b>						
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)	3.35	3.56	3.53	3.38	2.75	2.30
Diesel (\$/gallon)	3.69	3.95	3.95	3.75	3.03	2.65
System Performance	2014	2013	2012	2011	2010	2009
<b>Congested Travel (% of peak VMT)</b>	--	--	--	--	--	--
<b>Congested System (% of lane-miles)</b>	--	--	--	--	--	--
<b>Congested Time (number of "Rush Hours")</b>	--	--	--	--	--	--
<b>Annual Excess Fuel Consumed</b>						
Total Fuel (1000 gallons)	267,825	263,981	259,443	254,727	251,013	245,102
Rank	--	--	--	--	--	--
Fuel per Peak Auto Commuter (gallons)	18	18	17	17	17	16
Rank	--	--	--	--	--	--
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	615,725	598,147	579,593	560,165	544,050	521,940
Rank	--	--	--	--	--	--
Delay per Auto Commuter (pers-hrs)	41	39	39	37	37	36
Rank	--	--	--	--	--	--
<b>Travel Time Index</b>						
	1.18	1.18	1.18	1.17	1.17	1.17
Rank	--	--	--	--	--	--
<b>Commuter Stress Index</b>						
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>						
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	13,106	12,544	11,974	11,466	10,654	9,962
Rank	--	--	--	--	--	--
Cost per Auto Commuter (\$)	781	765	750	748	749	732
Rank	--	--	--	--	--	--
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	28,882	28,033	27,141	26,242	25,494	24,426
Rank	--	--	--	--	--	--
Annual Gallons of Wasted Fuel (000)	53,314	52,487	51,543	50,582	49,844	48,633
Rank	--	--	--	--	--	--
Annual Congestion Cost (\$ million)	1,406	1,285	1,210	1,281	1,162	1,081
Rank	--	--	--	--	--	--
<b>Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Congestion (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Due to All Travel (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Truck Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Truck Congestion (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Due to Truck Travel (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--

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# Mobility Data for Medium Area Sum (33 areas)

Inventory Measures	2008	2007	2006	2005	2004	2003
<b>Urban Area Information</b>						
Population (1000s)	21,400	21,145	20,865	20,655	20,400	20,130
Rank	--	--	--	--	--	--
Commuters (1000s)	10,700	10,515	10,321	10,143	9,957	9,774
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	174,960	178,215	177,245	174,645	170,425	164,565
Arterial Streets	205,485	208,325	207,500	203,775	198,835	194,485
<b>Cost Components</b>						
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)	3.45	3.05	2.67	2.32	1.98	1.55
Diesel (\$/gallon)	4.22	3.48	2.90	2.56	2.01	1.55
System Performance	2008	2007	2006	2005	2004	2003
<b>Congested Travel (% of peak VMT)</b>	--	--	--	--	--	--
<b>Congested System (% of lane-miles)</b>	--	--	--	--	--	--
<b>Congested Time (number of "Rush Hours")</b>	--	--	--	--	--	--
<b>Annual Excess Fuel Consumed</b>						
Total Fuel (1000 gallons)	253,015	246,105	236,128	228,222	221,056	213,415
Rank	--	--	--	--	--	--
Fuel per Peak Auto Commuter (gallons)	17	17	16	16	15	15
Rank	--	--	--	--	--	--
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	514,032	499,737	479,333	463,622	449,128	433,532
Rank	--	--	--	--	--	--
Delay per Auto Commuter (pers-hrs)	35	35	34	34	34	33
Rank	--	--	--	--	--	--
<b>Travel Time Index</b>						
Total	1.18	1.17	1.17	1.17	1.17	1.16
Rank	--	--	--	--	--	--
<b>Commuter Stress Index</b>						
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>						
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	10,174	9,436	8,722	8,100	7,515	6,970
Rank	--	--	--	--	--	--
Cost per Auto Commuter (\$)	714	726	716	718	720	715
Rank	--	--	--	--	--	--
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	24,013	23,243	22,263	21,547	20,894	20,180
Rank	--	--	--	--	--	--
Annual Gallons of Wasted Fuel (000)	50,229	48,759	46,745	45,127	43,700	42,197
Rank	--	--	--	--	--	--
Annual Congestion Cost (\$ million)	1,130	1,025	923	850	772	702
Rank	--	--	--	--	--	--
<b>Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Congestion (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Due to All Travel (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Truck Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Truck Congestion (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Due to Truck Travel (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--

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# Mobility Data for Medium Area Sum (33 areas)

Inventory Measures	2002	2001	2000	1999	1998	1997
<b>Urban Area Information</b>						
Population (1000s)	19,815	19,555	19,280	18,995	18,760	18,495
Rank	--	--	--	--	--	--
Commuters (1000s)	9,508	9,253	8,996	8,759	8,544	8,311
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	159,830	153,950	149,725	144,535	139,640	134,165
Arterial Streets	189,590	184,805	181,085	177,095	172,835	167,850
<b>Cost Components</b>						
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)	1.41	1.57	1.57	1.18	1.12	1.24
Diesel (\$/gallon)	1.41	1.58	1.54	1.19	1.20	1.30
System Performance	2002	2001	2000	1999	1998	1997
<b>Congested Travel (% of peak VMT)</b>	--	--	--	--	--	--
<b>Congested System (% of lane-miles)</b>	--	--	--	--	--	--
<b>Congested Time (number of "Rush Hours")</b>	--	--	--	--	--	--
<b>Annual Excess Fuel Consumed</b>						
Total Fuel (1000 gallons)	203,763	196,286	189,114	180,597	169,581	159,322
Rank	--	--	--	--	--	--
Fuel per Peak Auto Commuter (gallons)	14	14	13	13	12	12
Rank	--	--	--	--	--	--
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	413,921	398,660	384,203	366,774	344,601	323,748
Rank	--	--	--	--	--	--
Delay per Auto Commuter (pers-hrs)	32	32	32	31	30	28
Rank	--	--	--	--	--	--
<b>Travel Time Index</b>						
	1.16	1.16	1.15	1.15	1.14	1.14
Rank	--	--	--	--	--	--
<b>Commuter Stress Index</b>						
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>						
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	6,473	6,166	5,782	5,273	4,854	4,510
Rank	--	--	--	--	--	--
Cost per Auto Commuter (\$)	698	682	676	667	644	614
Rank	--	--	--	--	--	--
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	19,248	18,540	17,852	17,071	16,072	15,126
Rank	--	--	--	--	--	--
Annual Gallons of Wasted Fuel (000)	40,263	38,790	37,352	35,721	33,591	31,602
Rank	--	--	--	--	--	--
Annual Congestion Cost (\$ million)	639	604	564	509	471	444
Rank	--	--	--	--	--	--
<b>Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Congestion (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Due to All Travel (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Truck Annual Greenhouse Gases (CO2) Produced</b>						
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 Medium Area Sum (33 areas)

Inventory Measures	1996	1995	1994	1993	1992	1991
<b>Urban Area Information</b>						
Population (1000s)	18,290	18,055	17,790	17,540	17,320	17,105
Rank	--	--	--	--	--	--
Commuters (1000s)	8,126	7,919	7,704	7,494	7,307	7,119
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	129,255	125,445	121,145	118,125	113,215	107,835
Arterial Streets	163,145	158,680	154,160	149,845	145,083	139,855
<b>Cost Components</b>						
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)	1.31	1.21	1.11	1.16	1.17	1.15
Diesel (\$/gallon)	1.35	1.25	1.14	1.19	1.19	1.27
System Performance	1996	1995	1994	1993	1992	1991
<b>Congested Travel (% of peak VMT)</b>	--	--	--	--	--	--
<b>Congested System (% of lane-miles)</b>	--	--	--	--	--	--
<b>Congested Time (number of "Rush Hours")</b>	--	--	--	--	--	--
<b>Annual Excess Fuel Consumed</b>						
Total Fuel (1000 gallons)	149,599	140,261	131,525	121,973	113,169	104,304
Rank	--	--	--	--	--	--
Fuel per Peak Auto Commuter (gallons)	11	11	10	9	9	8
Rank	--	--	--	--	--	--
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	304,099	285,069	267,237	247,947	230,018	211,951
Rank	--	--	--	--	--	--
Delay per Auto Commuter (pers-hrs)	27	26	25	24	22	21
Rank	--	--	--	--	--	--
<b>Travel Time Index</b>						
	1.13	1.13	1.12	1.12	1.11	1.10
Rank	--	--	--	--	--	--
<b>Commuter Stress Index</b>						
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>						
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	4,159	3,783	3,449	3,128	2,830	2,539
Rank	--	--	--	--	--	--
Cost per Auto Commuter (\$)	594	578	560	535	515	490
Rank	--	--	--	--	--	--
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	14,222	13,353	12,534	11,616	10,793	9,980
Rank	--	--	--	--	--	--
Annual Gallons of Wasted Fuel (000)	29,658	27,805	26,086	24,147	22,392	20,663
Rank	--	--	--	--	--	--
Annual Congestion Cost (\$ million)	414	383	349	320	297	269
Rank	--	--	--	--	--	--
<b>Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Congestion (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Due to All Travel (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Truck Annual Greenhouse Gases (CO2) Produced</b>						
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 Medium Area Sum (33 areas)

Inventory Measures	1990	1989	1988	1987	1986	1985
<b>Urban Area Information</b>						
Population (1000s)	16,855	16,655	16,440	16,205	15,990	15,770
Rank	--	--	--	--	--	--
Commuters (1000s)	6,924	6,783	6,648	6,500	6,365	6,231
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	105,290	101,515	98,000	93,840	89,090	85,726
Arterial Streets	135,965	132,660	128,985	123,250	123,645	120,615
<b>Cost Components</b>						
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)	1.10	1.12	1.04	1.05	1.02	1.33
Diesel (\$/gallon)	1.12	1.08	1.00	1.00	0.98	1.28
System Performance	1990	1989	1988	1987	1986	1985
<b>Congested Travel (% of peak VMT)</b>	--	--	--	--	--	--
<b>Congested System (% of lane-miles)</b>	--	--	--	--	--	--
<b>Congested Time (number of "Rush Hours")</b>	--	--	--	--	--	--
<b>Annual Excess Fuel Consumed</b>						
Total Fuel (1000 gallons)	95,889	87,311	80,805	74,817	69,702	63,537
Rank	--	--	--	--	--	--
Fuel per Peak Auto Commuter (gallons)	7	7	6	6	5	5
Rank	--	--	--	--	--	--
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	194,993	177,462	164,323	152,211	141,759	129,199
Rank	--	--	--	--	--	--
Delay per Auto Commuter (pers-hrs)	20	18	17	16	15	14
Rank	--	--	--	--	--	--
<b>Travel Time Index</b>						
	1.10	1.09	1.09	1.08	1.08	1.07
Rank	--	--	--	--	--	--
<b>Commuter Stress Index</b>						
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>						
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	2,243	1,948	1,729	1,547	1,390	1,270
Rank	--	--	--	--	--	--
Cost per Auto Commuter (\$)	474	457	448	431	418	391
Rank	--	--	--	--	--	--
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	9,181	8,395	7,777	7,233	6,759	6,184
Rank	--	--	--	--	--	--
Annual Gallons of Wasted Fuel (000)	18,959	17,292	15,990	14,830	13,831	12,632
Rank	--	--	--	--	--	--
Annual Congestion Cost (\$ million)	242	217	201	182	169	155
Rank	--	--	--	--	--	--
<b>Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Congestion (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Due to All Travel (tons)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Truck Annual Greenhouse Gases (CO2) Produced</b>						
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 Medium Area Sum (33 areas)

Inventory Measures	1984	1983	1982
<b>Urban Area Information</b>			
Population (1000s)	15,595	15,480	17,075
Rank	--	--	--
Commuters (1000s)	6,112	6,017	6,512
<b>Daily Vehicle-Miles of Travel (1000s)</b>			
Freeway	81,160	76,260	81,415
Arterial Streets	114,255	113,255	119,545
<b>Cost Components</b>			
Value of Time (\$/hour)	7.75	7.43	7.20
Commercial Cost (\$/hour)	23.94	23.63	23.31
Gasoline (\$/gallon)	1.34	1.38	1.44
Diesel (\$/gallon)	1.29	1.32	1.38
System Performance	1984	1983	1982
<b>Congested Travel (% of peak VMT)</b>	--	--	--
<b>Congested System (% of lane-miles)</b>	--	--	--
<b>Congested Time (number of "Rush Hours")</b>	--	--	--
<b>Annual Excess Fuel Consumed</b>			
Total Fuel (1000 gallons)	58,896	52,519	54,763
Rank	--	--	--
Fuel per Peak Auto Commuter (gallons)	5	4	3
Rank	--	--	--
<b>Annual Delay</b>			
Total Delay (1000s of person-hours)	119,900	106,846	112,023
Rank	--	--	--
Delay per Auto Commuter (pers-hrs)	13	12	12
Rank	--	--	--
<b>Travel Time Index</b>			
	1.07	1.06	1.06
Rank	--	--	--
<b>Commuter Stress Index</b>			
Rank	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>			
Rank	--	--	--
<b>Congestion Cost</b>			
Total Cost (\$ millions)	1,143	988	1,007
Rank	--	--	--
Cost per Auto Commuter (\$)	378	354	342
Rank	--	--	--
<b>Truck Congestion</b>			
Annual Person-Hours of Delay (000)	5,789	5,161	5,307
Rank	--	--	--
Annual Gallons of Wasted Fuel (000)	11,764	10,487	10,525
Rank	--	--	--
Annual Congestion Cost (\$ million)	143	126	128
Rank	--	--	--
<b>Annual Greenhouse Gases (CO2) Produced</b>			
Excess Due to Congestion (tons)	--	--	--
Rank	--	--	--
Due to All Travel (tons)	--	--	--
Rank	--	--	--
<b>Truck Annual Greenhouse Gases (CO2) Produced</b>			
Excess Due to Truck Congestion (tons)	--	--	--
Rank	--	--	--
Due to Truck Travel (tons)	--	--	--
Rank	--	--	--

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