

# Performance Measure Summary - Philadelphia PA-NJ-DE-MD

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 Philadelphia PA-NJ-DE-MD

Inventory Measures	2020	2019	2018	2017	2016	2015
<b>Urban Area Information</b>						
Population (1000s)	5,565	5,565	5,565	5,565	5,565	5,560
Rank	6	6	6	6	6	5
Commuters (1000s)	2,308	2,308	2,308	2,308	2,308	2,305
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	31,077	40,151	39,685	39,913	38,730	37,663
Arterial Streets	35,720	46,150	46,310	46,597	46,185	45,578
<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	49.49	54.71	52.14	50.20	46.87
Gasoline (\$/gallon)	2.57	2.81	3.06	2.57	2.32	2.44
Diesel (\$/gallon)	3.09	3.40	3.61	2.94	2.59	2.80
System Performance	2020	2019	2018	2017	2016	2015
<b>Congested Travel (% of peak VMT)</b>	--	--	--	24.1	--	--
<b>Congested System (% of lane-miles)</b>	--	--	--	15.3	--	--
<b>Congested Time (number of "Rush Hours")</b>	--	--	--	3.4	--	--
<b>Annual Excess Fuel Consumed</b>						
Total Fuel (1000 gallons)	40,400	69,310	68,904	68,853	68,317	68,007
Rank	10	11	11	11	11	11
Fuel per Peak Auto Commuter (gallons)	15	26	26	26	25	24
Rank	9	16	16	15	16	20
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	100,726	172,804	170,805	170,655	166,911	163,314
Rank	11	11	11	11	11	11
Delay per Auto Commuter (pers-hrs)	37	63	62	62	60	58
Rank	12	19	18	18	20	20
<b>Travel Time Index</b>	1.12	1.24	1.24	1.25	1.25	1.24
Rank	10	28	27	24	24	26
<b>Commuter Stress Index</b>	1.13	1.27	1.27	1.26	--	--
Rank	14	35	32	32	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>	--	1.59	1.63	1.65	--	--
Rank	--	37	36	34	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	2,274	3,723	3,723	3,656	3,512	3,392
Rank	10	12	11	11	11	11
Cost per Auto Commuter (\$)	789	1,292	1,292	1,269	1,249	1,215
Rank	12	19	21	22	21	22
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	4,751	6,995	6,882	6,976	6,822	6,676
Rank	9	12	12	11	12	13
Annual Gallons of Wasted Fuel (000)	7,468	10,995	11,188	11,133	11,047	10,997
Rank	10	13	13	13	13	13
Annual Congestion Cost (\$ million)	253	345	382	371	347	322
Rank	9	12	13	12	13	13
<b>Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Congestion (tons)	402,967	691,322	--	--	--	--
Rank	10	11	--	--	--	--
Due to All Travel (tons)	9,692,328	16,627,993	--	--	--	--
Rank	7	9	--	--	--	--
<b>Truck Annual Greenhouse Gases (CO2) Produced</b>						
Excess Due to Truck Congestion (tons)	81,489	119,971	--	--	--	--
Rank	10	14	--	--	--	--
Due to Truck Travel (tons)	2,180,357	3,209,983	--	--	--	--
Rank	9	11	--	--	--	--

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

# Mobility Data for Philadelphia PA-NJ-DE-MD

Inventory Measures	2014	2013	2012	2011	2010	2009
<b>Urban Area Information</b>						
Population (1000s)	5,560	5,550	5,520	5,490	5,465	5,430
Rank	5	5	5	5	5	5
Commuters (1000s)	2,305	2,346	2,334	2,366	2,377	2,362
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	37,006	35,794	33,735	34,246	34,144	34,956
Arterial Streets	44,914	45,028	45,055	45,784	45,648	45,637
<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)	3.29	3.52	3.55	3.41	2.78	2.33
Diesel (\$/gallon)	3.57	3.93	4.00	3.79	3.12	2.73
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)	67,530	67,284	66,789	67,150	66,951	66,417
Rank	11	11	11	11	11	10
Fuel per Peak Auto Commuter (gallons)	23	23	23	23	23	23
Rank	19	17	18	17	14	10
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	159,347	157,362	153,415	151,441	149,593	145,628
Rank	11	11	11	11	11	10
Delay per Auto Commuter (pers-hrs)	55	54	52	51	50	48
Rank	20	21	21	19	17	19
<b>Travel Time Index</b>	1.24	1.24	1.24	1.24	1.24	1.24
Rank	26	26	25	24	24	24
<b>Commuter Stress Index</b>	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	3,356	3,268	3,146	3,074	2,905	2,757
Rank	11	11	11	11	11	10
Cost per Auto Commuter (\$)	1,179	1,176	1,160	1,182	1,204	1,194
Rank	19	18	18	15	14	14
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	6,514	6,432	6,271	6,190	6,114	5,953
Rank	13	13	12	10	10	10
Annual Gallons of Wasted Fuel (000)	10,919	10,880	10,800	10,858	10,826	10,739
Rank	13	13	13	12	12	12
Annual Congestion Cost (\$ million)	311	290	276	299	276	261
Rank	14	14	13	11	10	10
<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 Philadelphia PA-NJ-DE-MD

Inventory Measures	2008	2007	2006	2005	2004	2003
<b>Urban Area Information</b>						
Population (1000s)	5,390	5,360	5,330	5,315	5,300	5,285
Rank	5	5	5	5	4	4
Commuters (1000s)	2,371	2,366	2,370	2,381	2,366	2,346
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	36,000	36,400	35,945	35,325	34,440	33,875
Arterial Streets	47,000	47,765	47,945	48,235	47,910	47,245
<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)	3.42	2.97	2.68	2.28	1.94	1.51
Diesel (\$/gallon)	4.41	3.56	2.93	2.58	2.03	1.59
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)	66,685	68,566	70,091	69,617	68,710	66,028
Rank	11	11	11	11	9	9
Fuel per Peak Auto Commuter (gallons)	22	23	24	24	25	24
Rank	19	13	10	10	8	9
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	139,251	143,178	146,362	145,373	143,480	137,879
Rank	12	12	11	11	11	11
Delay per Auto Commuter (pers-hrs)	47	48	49	49	48	47
Rank	21	19	19	18	18	18
<b>Travel Time Index</b>	1.24	1.25	1.25	1.25	1.25	1.24
Rank	28	27	25	25	23	25
<b>Commuter Stress Index</b>	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	2,731	2,675	2,641	2,516	2,379	2,198
Rank	11	12	11	11	11	11
Cost per Auto Commuter (\$)	1,131	1,208	1,269	1,303	1,329	1,313
Rank	14	15	11	11	11	12
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	5,692	5,852	5,983	5,942	5,865	5,636
Rank	11	11	11	11	11	11
Annual Gallons of Wasted Fuel (000)	10,783	11,087	11,333	11,256	11,110	10,676
Rank	12	12	12	12	12	11
Annual Congestion Cost (\$ million)	265	254	245	231	215	195
Rank	12	12	11	11	11	11
<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 Philadelphia PA-NJ-DE-MD

Inventory Measures	2002	2001	2000	1999	1998	1997
<b>Urban Area Information</b>						
Population (1000s)	5,200	5,125	5,040	4,950	4,875	4,800
Rank	4	4	4	4	4	4
Commuters (1000s)	2,296	2,208	2,123	2,032	1,958	1,881
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	30,770	30,050	28,930	28,625	27,860	26,930
Arterial Streets	45,070	42,050	40,015	38,500	37,105	36,515
<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)	1.36	1.54	1.51	1.11	1.06	1.19
Diesel (\$/gallon)	1.43	1.59	1.57	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)	63,616	57,980	53,396	49,262	46,954	43,889
Rank	9	10	11	11	11	12
Fuel per Peak Auto Commuter (gallons)	24	22	21	18	17	16
Rank	8	8	8	12	13	14
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	132,843	121,074	111,501	102,870	98,050	91,649
Rank	11	12	11	12	12	12
Delay per Auto Commuter (pers-hrs)	46	43	41	39	39	37
Rank	17	24	24	27	22	22
<b>Travel Time Index</b>	1.23	1.22	1.21	1.20	1.20	1.19
Rank	26	28	27	26	26	26
<b>Commuter Stress Index</b>	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	2,061	1,858	1,663	1,466	1,368	1,266
Rank	11	12	11	12	12	12
Cost per Auto Commuter (\$)	1,292	1,194	1,130	1,078	1,051	998
Rank	12	12	13	14	14	15
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	5,430	4,949	4,558	4,205	4,008	3,747
Rank	11	12	12	12	12	12
Annual Gallons of Wasted Fuel (000)	10,286	9,375	8,634	7,965	7,592	7,096
Rank	11	13	13	13	12	12
Annual Congestion Cost (\$ million)	180	160	142	124	117	109
Rank	11	12	12	12	12	12
<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 Philadelphia PA-NJ-DE-MD

Inventory Measures	1996	1995	1994	1993	1992	1991
<b>Urban Area Information</b>						
Population (1000s)	4,725	4,670	4,640	4,625	4,610	4,590
Rank	4	4	4	4	4	4
Commuters (1000s)	1,809	1,746	1,694	1,647	1,604	1,560
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	25,445	25,185	24,045	23,395	22,530	22,080
Arterial Streets	35,755	35,560	36,300	35,825	35,580	33,105
<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)	1.26	1.19	1.04	1.09	1.14	1.16
Diesel (\$/gallon)	1.39	1.32	1.15	1.21	1.28	1.29
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)	41,013	38,755	36,609	34,251	32,710	30,540
Rank	12	12	12	12	12	12
Fuel per Peak Auto Commuter (gallons)	15	15	14	13	12	11
Rank	13	11	13	12	13	13
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	85,644	80,928	76,447	71,522	68,306	63,774
Rank	12	12	12	12	12	12
Delay per Auto Commuter (pers-hrs)	36	35	34	33	32	30
Rank	20	20	19	18	17	20
<b>Travel Time Index</b>	1.18	1.18	1.17	1.17	1.16	1.15
Rank	26	26	26	23	23	24
<b>Commuter Stress Index</b>	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>	--	--	--	--	--	--
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	1,161	1,065	975	893	833	758
Rank	12	12	12	12	12	12
Cost per Auto Commuter (\$)	955	929	904	868	855	824
Rank	15	16	15	15	14	15
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	3,501	3,308	3,125	2,923	2,792	2,607
Rank	12	12	12	12	12	12
Annual Gallons of Wasted Fuel (000)	6,632	6,267	5,920	5,538	5,289	4,938
Rank	12	12	12	12	12	12
Annual Congestion Cost (\$ million)	101	94	86	80	76	70
Rank	12	12	12	12	12	12
<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 Philadelphia PA-NJ-DE-MD

Inventory Measures	1990	1989	1988	1987	1986	1985
<b>Urban Area Information</b>						
Population (1000s)	4,580	4,565	4,550	4,500	4,480	4,470
Rank	4	4	4	4	4	4
Commuters (1000s)	1,519	1,499	1,483	1,452	1,431	1,417
<b>Daily Vehicle-Miles of Travel (1000s)</b>						
Freeway	21,210	21,170	19,450	17,790	16,000	15,585
Arterial Streets	33,845	33,440	34,105	34,295	33,030	30,015
<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)	1.30	1.06	0.98	0.98	0.96	1.25
Diesel (\$/gallon)	1.08	1.03	0.95	0.95	0.93	1.22
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)	29,480	29,151	29,089	28,076	25,356	21,521
Rank	12	12	12	11	11	12
Fuel per Peak Auto Commuter (gallons)	10	10	10	11	11	9
Rank	14	11	11	8	7	10
<b>Annual Delay</b>						
Total Delay (1000s of person-hours)	61,560	60,871	60,743	58,629	52,949	44,940
Rank	12	11	11	11	11	11
Delay per Auto Commuter (pers-hrs)	30	30	30	30	27	23
Rank	16	15	15	14	14	17
<b>Travel Time Index</b>						
Rank	1.15	1.15	1.15	1.15	1.14	1.12
<b>Commuter Stress Index</b>						
Rank	22	20	18	18	18	21
<b>Freeway Planning Time Index (95th Pctile)</b>						
Rank	--	--	--	--	--	--
<b>Congestion Cost</b>						
Total Cost (\$ millions)	707	661	631	587	513	435
Rank	12	11	11	11	11	11
Cost per Auto Commuter (\$)	830	869	911	918	861	743
Rank	15	12	10	9	11	13
<b>Truck Congestion</b>						
Annual Person-Hours of Delay (000)	2,516	2,488	2,483	2,397	2,165	1,837
Rank	12	12	12	11	11	11
Annual Gallons of Wasted Fuel (000)	4,767	4,714	4,703	4,539	4,100	3,480
Rank	12	12	12	11	11	13
Annual Congestion Cost (\$ million)	66	64	63	60	53	46
Rank	12	12	12	11	11	11
<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 Philadelphia PA-NJ-DE-MD

Inventory Measures	1984	1983	1982
<b>Urban Area Information</b>			
Population (1000s)	4,465	4,460	4,450
Rank	4	4	4
Commuters (1000s)	1,401	1,389	1,371
<b>Daily Vehicle-Miles of Travel (1000s)</b>			
Freeway	15,980	15,705	14,110
Arterial Streets	29,145	28,715	28,425
<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)	1.27	1.30	1.35
Diesel (\$/gallon)	1.23	1.26	1.32
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)	19,402	18,476	17,492
Rank	12	12	12
Fuel per Peak Auto Commuter (gallons)	7	6	6
Rank	12	13	10
<b>Annual Delay</b>			
Total Delay (1000s of person-hours)	40,514	38,581	36,527
Rank	11	11	11
Delay per Auto Commuter (pers-hrs)	21	20	19
Rank	19	18	17
<b>Travel Time Index</b>	1.11	1.10	1.10
Rank	23	23	20
<b>Commuter Stress Index</b>	--	--	--
Rank	--	--	--
<b>Freeway Planning Time Index (95th Pctile)</b>	--	--	--
Rank	--	--	--
<b>Congestion Cost</b>			
Total Cost (\$ millions)	380	350	323
Rank	11	11	11
Cost per Auto Commuter (\$)	695	693	677
Rank	13	13	13
<b>Truck Congestion</b>			
Annual Person-Hours of Delay (000)	1,656	1,577	1,493
Rank	11	11	11
Annual Gallons of Wasted Fuel (000)	3,137	2,987	2,829
Rank	13	12	11
Annual Congestion Cost (\$ million)	41	38	36
Rank	11	11	11
<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.