Performance Measure Summary - Providence RI-MA

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 Providence RI-MA

Inventory Measures	2020	2019	2018	2017	2016	2015
Urban Area Information						
Population (1000s)	1,200	1,200	1,200	1,195	1,190	1,185
Rank	40	40	40	40	40	40
Commuters (1000s)	614	614	614	611	608	605
Daily Vehicle-Miles of Travel (1000s)						
Freeway	8,194	10,655	12,100	12,201	11,932	11,315
Arterial Streets	7,887	10,256	10,641	10,588	10,238	10,105
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 ($/gallon)	2.42	2.55	2.88	2.38	2.20	2.32
Diesel ($/gallon)	2.94	2.98	3.25	2.56	2.32	2.63
System Performance	**2020**	**2019**	**2018**	**2017**	**2016**	**2015**
Congested Travel (% of peak VMT)	--	--	--	18.5	--	--
Congested System (% of lane-miles)	--	--	--	12.1	--	--
Congested Time (number of "Rush Hours")	--	--	--	2.1	--	--
Annual Excess Fuel Consumed						
Total Fuel (1000 gallons)	11,030	15,652	15,459	15,714	15,554	15,386
Rank	35	43	43	42	41	41
Fuel per Peak Auto Commuter (gallons)	13	19	19	19	19	19
Rank	28	62	58	55	53	50
Annual Delay						
Total Delay (1000s of person-hours)	26,373	37,425	38,424	38,273	37,283	36,249
Rank	33	45	43	43	43	43
Delay per Auto Commuter (pers-hrs)	33	47	48	48	47	46
Rank	17	51	43	42	43	43
Travel Time Index	1.13	1.16	1.17	1.17	1.17	1.17
Rank	6	59	48	47	46	46
Commuter Stress Index	1.15	1.18	1.19	1.18	--	--
Rank	8	60	51	56	--	--
Freeway Planning Time Index (95th Pctile)	--	1.41	1.42	1.37	--	--
Rank	--	51	49	59	--	--
Congestion Cost						
Total Cost ($ millions)	584	794	821	807	774	743
Rank	35	45	44	43	43	43
Cost per Auto Commuter ($)	630	856	885	873	855	827
Rank	30	60	54	53	54	53
Truck Congestion						
Annual Person-Hours of Delay (000)	885	1,147	1,125	1,223	1,192	1,159
Rank	46	54	54	51	51	51
Annual Gallons of Wasted Fuel (000)	1,437	1,863	1,839	1,925	1,905	1,885
Rank	48	57	58	55	56	56
Annual Congestion Cost ($ million)	47	56	62	64	60	55
Rank	44	56	53	51	51	51
Annual Greenhouse Gases (CO2) Produced						
Excess Due to Congestion (tons)	109,573	155,491	--	--	--	--
Rank	37	43	--	--	--	--
Due to All Travel (tons)	2,720,756	3,860,939	--	--	--	--
Rank	39	50	--	--	--	--
Truck Annual Greenhouse Gases (CO2) Produced						
Excess Due to Truck Congestion (tons)	15,734	20,398	--	--	--	--
Rank	48	58	--	--	--	--
Due to Truck Travel (tons)	361,499	468,665	--	--	--	--
Rank	68	74	--	--	--	--

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

Mobility Data for Providence RI-MA

Inventory Measures	2014	2013	2012	2011	2010	2009
Urban Area Information						
Population (1000s)	1,185	1,185	1,180	1,180	1,180	1,180
Rank	40	38	38	38	38	38
Commuters (1000s)	605	600	598	594	589	585
Daily Vehicle-Miles of Travel (1000s)						
Freeway	11,023	11,135	11,150	11,861	11,871	11,500
Arterial Streets	10,028	10,045	9,980	10,431	10,439	10,747
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 ($/gallon)	3.44	3.64	3.60	3.53	2.82	2.34
Diesel ($/gallon)	3.65	3.97	3.96	3.76	3.08	2.73
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)	15,100	14,936	14,838	14,741	14,357	14,093
Rank	41	41	40	39	39	39
Fuel per Peak Auto Commuter (gallons)	19	20	20	21	20	20
Rank	47	37	33	25	29	18
Annual Delay						
Total Delay (1000s of person-hours)	34,961	34,274	33,442	32,617	31,473	30,317
Rank	43	42	42	42	42	42
Delay per Auto Commuter (pers-hrs)	44	44	43	42	41	40
Rank	44	43	43	42	42	43
Travel Time Index	1.17	1.17	1.18	1.18	1.17	1.17
Rank	49	48	38	39	41	43
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	732	708	682	658	606	569
Rank	43	43	42	42	43	43
Cost per Auto Commuter ($)	793	786	776	782	778	762
Rank	54	52	52	49	49	50
Truck Congestion						
Annual Person-Hours of Delay (000)	1,118	1,095	1,069	1,042	1,006	969
Rank	51	51	51	49	50	49
Annual Gallons of Wasted Fuel (000)	1,850	1,830	1,818	1,806	1,759	1,727
Rank	56	56	56	55	55	55
Annual Congestion Cost ($ million)	53	49	47	50	45	42
Rank	52	52	51	49	51	51
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 Providence RI-MA

Inventory Measures	2008	2007	2006	2005	2004	2003
Urban Area Information						
Population (1000s)	1,180	1,180	1,190	1,190	1,190	1,180
Rank	38	38	37	36	36	36
Commuters (1000s)	583	582	586	583	580	573
Daily Vehicle-Miles of Travel (1000s)						
Freeway	11,025	11,700	11,480	11,505	11,415	11,095
Arterial Streets	11,000	11,200	11,090	11,100	11,110	11,030
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 ($/gallon)	3.36	2.98	2.72	2.32	2.05	1.57
Diesel ($/gallon)	4.37	3.56	2.92	2.60	2.09	1.68
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)	14,448	14,292	14,068	13,952	13,811	13,566
Rank	40	39	39	39	38	38
Fuel per Peak Auto Commuter (gallons)	20	20	20	20	20	19
Rank	31	28	28	25	21	23
Annual Delay						
Total Delay (1000s of person-hours)	29,600	29,280	28,822	28,584	28,297	27,793
Rank	43	43	42	41	40	40
Delay per Auto Commuter (pers-hrs)	39	39	39	39	38	38
Rank	43	44	43	43	42	42
Travel Time Index	1.17	1.19	1.19	1.19	1.18	1.18
Rank	51	40	39	38	38	38
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	574	543	516	491	467	440
Rank	43	44	43	42	40	40
Cost per Auto Commuter ($)	737	758	767	786	804	812
Rank	52	51	50	46	43	43
Truck Congestion						
Annual Person-Hours of Delay (000)	946	936	921	914	904	888
Rank	50	48	48	48	47	45
Annual Gallons of Wasted Fuel (000)	1,770	1,751	1,723	1,710	1,692	1,662
Rank	56	56	55	54	53	51
Annual Congestion Cost ($ million)	44	41	38	36	33	31
Rank	51	49	48	47	47	45
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 Providence RI-MA

Inventory Measures	2002	2001	2000	1999	1998	1997
Urban Area Information						
Population (1000s)	1,175	1,170	1,170	1,170	1,165	1,165
Rank	35	35	35	34	34	34
Commuters (1000s)	564	554	548	540	532	524
Daily Vehicle-Miles of Travel (1000s)						
Freeway	10,585	10,430	10,125	9,855	9,505	8,840
Arterial Streets	10,515	10,110	9,500	9,000	8,405	7,525
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 ($/gallon)	1.44	1.72	1.57	1.16	1.11	1.29
Diesel ($/gallon)	1.46	1.65	1.57	1.22	1.24	1.35
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)	13,280	12,544	11,760	11,275	10,359	9,353
Rank	38	38	38	38	38	38
Fuel per Peak Auto Commuter (gallons)	20	19	18	17	17	14
Rank	15	13	16	17	13	26
Annual Delay						
Total Delay (1000s of person-hours)	27,208	25,700	24,093	23,100	21,223	19,162
Rank	39	39	39	39	38	38
Delay per Auto Commuter (pers-hrs)	38	37	36	35	32	29
Rank	40	40	40	41	52	60
Travel Time Index	1.18	1.17	1.16	1.16	1.15	1.13
Rank	37	38	43	39	43	60
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	420	394	357	327	294	263
Rank	39	39	39	39	38	39
Cost per Auto Commuter ($)	812	778	750	742	698	640
Rank	41	44	44	44	47	49
Truck Congestion						
Annual Person-Hours of Delay (000)	870	821	770	738	679	613
Rank	45	45	46	46	47	49
Annual Gallons of Wasted Fuel (000)	1,627	1,537	1,441	1,381	1,269	1,146
Rank	50	50	51	50	51	55
Annual Congestion Cost ($ million)	29	27	24	22	20	18
Rank	45	46	46	46	46	47
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 Providence RI-MA

Inventory Measures	1996	1995	1994	1993	1992	1991
Urban Area Information						
Population (1000s)	1,150	1,145	1,135	1,120	1,110	1,100
Rank	34	33	33	33	33	33
Commuters (1000s)	511	503	492	480	470	459
Daily Vehicle-Miles of Travel (1000s)						
Freeway	8,800	8,525	8,325	8,055	7,470	7,290
Arterial Streets	7,215	6,855	6,720	6,675	6,610	6,615
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 ($/gallon)	1.33	1.25	1.09	1.08	1.17	1.20
Diesel ($/gallon)	1.38	1.29	1.12	1.12	1.20	1.29
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)	8,612	7,845	7,333	7,029	6,070	5,422
Rank	38	39	39	39	39	40
Fuel per Peak Auto Commuter (gallons)	13	12	10	12	10	9
Rank	29	35	45	16	24	27
Annual Delay						
Total Delay (1000s of person-hours)	17,643	16,073	15,025	14,401	12,436	11,107
Rank	38	38	38	38	40	41
Delay per Auto Commuter (pers-hrs)	27	25	24	24	21	19
Rank	63	65	65	58	65	68
Travel Time Index	1.13	1.12	1.11	1.11	1.10	1.09
Rank	50	57	60	52	58	61
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	238	210	190	178	150	131
Rank	38	39	38	39	40	41
Cost per Auto Commuter ($)	602	567	544	538	479	440
Rank	51	51	52	46	55	58
Truck Congestion						
Annual Person-Hours of Delay (000)	564	514	480	460	397	355
Rank	48	49	49	48	49	50
Annual Gallons of Wasted Fuel (000)	1,055	961	898	861	744	664
Rank	54	54	54	54	54	55
Annual Congestion Cost ($ million)	16	15	13	13	11	10
Rank	48	48	48	47	49	49
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 Providence RI-MA

Inventory Measures	1990	1989	1988	1987	1986	1985
Urban Area Information						
Population (1000s)	1,095	1,090	1,085	1,080	1,075	1,070
Rank	33	32	32	30	30	30
Commuters (1000s)	451	445	439	434	428	422
Daily Vehicle-Miles of Travel (1000s)						
Freeway	7,200	7,000	6,500	5,515	4,345	4,250
Arterial Streets	6,525	6,425	6,280	6,115	5,935	5,720
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 ($/gallon)	1.10	1.09	1.01	1.01	0.98	1.29
Diesel ($/gallon)	1.16	1.13	1.04	1.05	1.02	1.34
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)	4,706	4,312	3,710	2,840	2,607	2,376
Rank	41	40	42	49	49	47
Fuel per Peak Auto Commuter (gallons)	8	7	7	4	4	3
Rank	35	39	27	61	54	66
Annual Delay						
Total Delay (1000s of person-hours)	9,641	8,836	7,600	5,820	5,342	4,867
Rank	42	41	45	49	48	47
Delay per Auto Commuter (pers-hrs)	17	15	13	10	10	9
Rank	70	77	80	85	83	83
Travel Time Index	1.08	1.07	1.06	1.05	1.04	1.04
Rank	62	65	73	79	85	81
Commuter Stress Index	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--	--	--	--
Rank	--	--	--	--	--	--
Congestion Cost						
Total Cost ($ millions)	109	95	78	58	51	47
Rank	43	41	45	49	48	48
Cost per Auto Commuter ($)	401	385	347	277	268	251
Rank	63	62	66	75	71	69
Truck Congestion						
Annual Person-Hours of Delay (000)	308	283	243	186	171	156
Rank	51	51	54	59	59	59
Annual Gallons of Wasted Fuel (000)	577	528	454	348	319	291
Rank	56	56	58	65	64	63
Annual Congestion Cost ($ million)	8	7	6	5	4	4
Rank	51	51	52	54	58	53
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 Providence RI-MA

Inventory Measures	1984	1983	1982
Urban Area Information			
Population (1000s)	1,060	1,060	1,050
Rank	30	30	31
Commuters (1000s)	414	410	403
Daily Vehicle-Miles of Travel (1000s)			
Freeway	4,190	4,050	4,000
Arterial Streets	5,510	5,395	5,390
Cost Components			
Value of Time ($/hour)	7.75	7.43	7.20
Commercial Cost ($/hour)	23.94	23.63	23.31
Gasoline ($/gallon)	1.30	1.33	1.39
Diesel ($/gallon)	1.35	1.38	1.45
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)	2,162	2,021	1,863
Rank	48	48	48
Fuel per Peak Auto Commuter (gallons)	3	3	2
Rank	61	46	55
Annual Delay			
Total Delay (1000s of person-hours)	4,428	4,141	3,817
Rank	47	46	46
Delay per Auto Commuter (pers-hrs)	8	8	7
Rank	83	76	82
Travel Time Index	1.04	1.04	1.03
Rank	75	68	76
Commuter Stress Index	--	--	--
Rank	--	--	--
Freeway Planning Time Index (95th Pctile)	--	--	--
Rank	--	--	--
Congestion Cost			
Total Cost ($ millions)	41	37	33
Rank	47	47	46
Cost per Auto Commuter ($)	232	226	222
Rank	72	70	69
Truck Congestion			
Annual Person-Hours of Delay (000)	141	132	122
Rank	57	58	57
Annual Gallons of Wasted Fuel (000)	265	248	228
Rank	63	61	61
Annual Congestion Cost ($ million)	4	3	3
Rank	50	54	50
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.