

The BREAKOUT file is data extracted from the FTA TS2.1 file

"% change" is 2019 over 2002 in real 2019\$

Mode	Category	136.2	179.9	179.9	257.0	% change		
<b>(HR) Heavy rail</b>	Total Operating Expense	OptExpTO	53,254,914,905	\$4,267,460,343	\$6,095,755,165	\$9,327,765,847	53.0%	
	Fares	FARES	52,492,487,178		\$3,560,335,743	\$5,676,287,099	59.4%	
	Passenger Miles T	PMT	10,487,928,122	13,663,224,326	13,663,224,326	17,365,828,963	27.1%	
	Boardings	UPT	2,166,988,886	2,687,973,033	2,687,973,033	3,790,363,462	41.0%	
	Subsidy per pass mile	CALC		\$0.17	\$0.19	\$0.21	13.3%	
	Subsidy per boarding	CALC		\$0.82	\$0.94	\$0.96	2.1%	
	Cost per passenger mile	CALC	\$0.31	\$0.31	\$0.45	\$0.54	20.4%	
	Miles per boarding	CALC	4.8	5.1	5.1	4.6	-9.9%	
	Vehicle Revenue Hours	VRH	21,704,387	29,845,976	29,845,976	35,079,344	17.5%	
	Vehicle Revenue Miles	VRM	508,252,500	603,469,918	603,469,918	698,300,283	15.7%	
	Average Miles per Hour	MPH	23.4	20.2	20.2	19.9	-1.5%	
	<b>(MB) Bus</b>	Total Operating Expense	OptExpTO	\$5,655,675,990	\$10,815,012,904	\$15,448,455,397	\$19,216,798,134	24.4%
		Fares	FARES	\$3,443,997,920	\$4,919,499,286	\$4,919,499,286	\$4,185,469,523	-14.9%
		Passenger Miles T	PMT	14,018,310,523	17,013,908,650	17,013,908,650	13,505,706,142	-20.8%
Boardings		UPT	3,748,587,953	4,564,504,326	4,564,504,326	3,675,929,541	-19.5%	
Subsidy per pass mile		CALC		\$0.43	\$0.62	\$1.11	79.8%	
Subsidy per boarding		CALC		\$1.61	\$2.31	\$4.09	77.3%	
Cost pass mi.		CALC	\$0.40	\$0.64	\$0.91	\$1.42	56.7%	
Miles per boarding		CALC	3.7	3.7	3.7	3.7	-1.4%	
Vehicle Revenue Hours		VRH	91,011,859	117,908,913	117,908,913	124,345,211	5.5%	
Vehicle Revenue Miles		VRM	1,157,850,550	1,476,062,148	1,476,062,148	1,398,234,639	-5.3%	
Average Miles per Hour		MPH	12.7	12.5	12.5	11.2	-10.2%	
<b>(CR) Commuter rail</b>		Total Operating Expense	OptExpTO	\$1,894,527,517	\$2,978,918,090	\$4,255,166,744	\$6,447,520,178	51.5%
		Fares	FARES	\$1,444,014,125	\$2,062,668,626	\$3,277,565,439	\$5,277,365,439	38.9%
		Passenger Miles T	PMT	7,383,817,600	9,463,218,538	9,463,218,538	12,543,417,191	33.5%
	Boardings	UPT	323,821,533	413,275,673	413,275,673	502,468,547	21.6%	
	Subsidy per pass mile	CALC		\$0.16	\$0.23	\$0.25	9.1%	
	Subsidy per boarding	CALC		\$3.71	\$5.31	\$6.31	18.9%	
	Cost per passenger mile	CALC	\$0.26	\$0.31	\$0.45	\$0.51	14.3%	
	Miles per boarding	CALC	22.8	22.9	22.9	25.0	9.0%	
	Vehicle Revenue Hours	VRH	1,815,536	3,821,806	3,821,806	7,627,447	99.6%	
	Vehicle Revenue Miles	VRM	197,912,331	258,391,628	258,391,628	347,006,062	34.3%	
	Average Miles per Hour	MPH	N/A	67.6	67.6	45.5	-32.7%	
	<b>(LR) Light rail</b>	Total Operating Expense	OptExpTO	\$197,729,189	\$769,246,169	\$1,098,811,923	\$2,462,921,233	124.1%
		Fares	FARES	\$221,361,998	\$316,159,633	\$316,159,633	\$547,167,983	73.0%
		Passenger Miles T	PMT	578,911,512	1,419,077,632	1,419,077,632	2,493,009,013	75.7%
Boardings		UPT	167,867,694	331,074,686	331,074,686	478,993,825	44.7%	
Subsidy per pass mile		CALC		\$0.39	\$0.55	\$0.77	39.3%	
Subsidy per boarding		CALC		\$1.65	\$2.36	\$4.00	69.2%	
Op. cost per pass. Mile		CALC	\$0.34	\$0.43	\$0.77	\$0.99	27.8%	
Miles per boarding		CALC	9.4	4.3	5.2	5.2	21.4%	
Vehicle Revenue Hours		VRH	5,919,416	8,144,302	8,144,302	11,314,204	38.9%	
Vehicle Revenue Miles		VRM	23,420,849	59,252,702	59,252,702	121,418,147	104.9%	
Average Miles per Hour		MPH	4.0	7.3	7.3	10.7	47.5%	
<b>(DR) Demand response</b>		Total Operating Expense	OptExpTO	\$289,678,970	\$1,195,612,180	\$1,707,844,604	\$3,003,301,723	75.9%
		Fares	FARES	\$139,023,830	\$198,585,379	\$198,585,379	\$179,451,481	-9.6%
		Passenger Miles Traveled	PMT	166,040,424	430,813,870	430,813,870	584,460,632	35.7%
	Boardings	UPT	25,985,417	50,448,255	50,448,255	60,255,369	19.4%	
	Subsidy per pass mile	CALC		\$2.45	\$3.50	\$4.83	37.9%	
	Subsidy per boarding	CALC		\$20.94	\$29.92	\$46.86	56.8%	
	Cost per passenger mile	CALC	\$1.62	\$2.78	\$3.96	\$5.14	29.6%	
	Miles per boarding	CALC	6.4	8.5	8.5	9.7	13.6%	
	Vehicle Revenue Hours	VRH	8,076,443	24,869,029	24,869,029	36,644,844	47.4%	
	Vehicle Revenue Miles	VRM	119,066,395	365,097,646	365,097,646	506,414,674	38.7%	
	Average Miles per Hour	MPH	14.7	14.7	14.7	13.8	-6.9%	
	<b>Vanpool (VP)</b>	Total Operating Expense	OptExpTO	\$4,068,981	\$32,925,723	\$47,031,989	\$130,652,374	177.8%
		Fares	FARES	\$22,726,952	\$32,463,790	\$32,463,790	\$102,682,234	216.3%
		Passenger Miles T	PMT	58,706,705	378,655,390	378,655,390	888,727,817	134.7%
Boardings		UPT	2,230,028	9,990,263	9,990,263	25,349,331	153.7%	
Subsidy per pass mile		CALC		\$0.03	\$0.04	\$0.03	-18.2%	
Subsidy per boarding		CALC		\$1.02	\$1.46	\$1.10	-24.3%	
Cost per pass. Mile		CALC	\$0.07	\$0.09	\$0.12	\$0.15	18.4%	
Miles per boarding		CALC	26.3	37.9	37.9	35.1	-7.5%	
Vehicle Revenue Hours		VRH	216,421	1,539,438	1,539,438	4,718,168	206.5%	
Vehicle Revenue Miles		VRM	7,369,925	60,103,000	60,103,000	172,374,400	186.8%	
Average Miles per Hour		MPH	34.1	39.0	39.0	36.5	-6.4%	
<b>Commuter Bus (CB)</b>		Total Operating Expense	OptExpTO				\$979,684,758	
		Fares	FARES				\$461,587,307	
		Passenger Miles Traveled	PMT				1,827,083,767	
	Boardings	UPT				77,331,084		
	Subsidy per pass mile	CALC				\$0.28		
	Subsidy per boarding	CALC				\$6.70		
	Cost per pass. Mile	CALC				\$0.54		
	Miles per boarding	CALC				23.6		
	Vehicle Revenue Hours	VRH				4,296,153		
	Vehicle Revenue Miles	VRM				101,987,730		
	Average Miles per Hour	MPH				23.7		
	<b>Bus Rapid Transit (RB)</b>	Total Operating Expense	OptExpTO				\$190,972,009	
		Fares	FARES				\$54,127,182	
		Passenger Miles Traveled	PMT				152,417,619	
Boardings		UPT				58,060,825		
Subsidy per pass mile		CALC				\$0.90		
Subsidy per boarding		CALC				\$2.36		
Cost per pass. Mile		CALC				\$1.25		
Miles per boarding		CALC				2.6		
Vehicle Revenue Hours		VRH				1,088,936		
Vehicle Revenue Miles		VRM				9,296,659		
Average Miles per Hour		MPH				8.5		
<b>Public (PB)</b>		Total Operating Expense	OptExpTO	\$25,833,826	\$25,833,826	\$25,833,826	\$24,860,042	-3.2%
		Fares	FARES	\$25,833,826	\$25,833,826	\$25,833,826	\$23,989,313	-34.5%
		Passenger Miles Traveled	PMT	178,959,625	205,544,808	205,544,808	64,482,350	-68.0%
	Boardings	UPT	33,744,105	33,744,105	33,744,105	14,414,328	-57.3%	
	Subsidy per pass mile	CALC	\$0.00	\$0.00	\$0.00	\$0.01	866.7%	
	Subsidy per boarding	CALC	\$0.01	\$0.01	\$0.01	\$0.06	610.0%	
	Cost per pass. Mile	CALC	\$0.13	\$0.18	\$0.18	\$0.39	114.7%	
	Miles per boarding	CALC	6.1	6.1	6.1	4.5	-26.8%	
	Vehicle Revenue Hours	VRH	2,231,930	2,231,930	2,231,930	1,268,534	-43.2%	
	Vehicle Revenue Miles	VRM	26,065,500	26,065,500	26,065,500	14,045,249	-46.1%	
	Average Miles per Hour	MPH	11.7	11.7	11.7	11.1	-5.2%	
	<b>All other modes (OM)</b>	Total Operating Expense	OptExpTO	\$777,663,098	\$550,798,973	\$786,776,072	\$1,659,915,981	111.0%
		Fares	FARES	\$131,837,049	\$188,319,588	\$188,319,588	\$411,730,328	118.0%
		Passenger Miles Traveled	PMT	2,126,142,389	4,771,717,702	4,771,717,702	902,761,018	89.0%
Boardings		UPT	601,527,936	1,767,573,330	1,767,573,330	235,054,707	33.0%	
Subsidy per pass mile		CALC		\$0.88	\$1.25	\$1.38	10.4%	
Subsidy per boarding		CALC		\$2.37	\$3.39	\$5.31	56.8%	
Cost per passenger mile		CALC	\$0.37	\$1.15	\$1.65	\$1.84	11.6%	
Miles per boarding		CALC	3.5	2.7	2.7	3.8	12.1%	
Vehicle Revenue Hours		VRH	9,187,417	2,267,803	2,267,803	6,361,218	180.5%	
Vehicle Revenue Miles		VRM	103,897,541	16,773,308	16,773,308	90,708,569	440.8%	
Average Miles per Hour		MPH	11.3	7.4	7.4	14.3	92.8%	
<b>Total all modes(TO)</b>		Total Operating Expense	OptExpTO	\$12,054,258,650	\$20,635,868,208	\$29,476,743,627	\$43,444,392,289	47.4%
		Fares	FARES	\$7,921,081,878	\$11,314,686,462	\$11,314,686,462	\$14,920,057,889	31.9%
		Passenger Miles Traveled	PMT	34,998,816,900	43,052,154,916	43,052,154,916	50,327,894,512	16.9%
	Boardings	UPT	7,037,007,447	8,267,767,671	8,267,767,671	8,918,221,019	7.9%	
	Subsidy per pass mile	CALC		\$0.30	\$0.42	\$0.57	34.3%	
	Subsidy per boarding	CALC		\$1.54	\$2.20	\$3.20	45.6%	
	Op. cost per pass. Mile	CALC	\$0.34	\$0.48	\$0.68	\$0.86	26.1%	
	Miles per boarding	CALC	5.0	5.2	5.2	5.6	8.4%	
	Vehicle Revenue Hours	VRH	137,930,979	190,629,197	190,629,197	232,744,059	22.1%	
	Vehicle Revenue Miles	VRM	2,117,770,091	2,865,215,850	2,865,215,850	3,459,790,412	20.8%	
	Average Miles per Hour	MPH	15.4	15.0	15.0	14.9	-1.1%	