

CHAPTER 5

MODAL TRIP RATES

TABLE 5.1 Daily person trips by mode, latest survey

Site	Year	Total Daily Pers. Trips	Percent By Mode					
			Auto Dr.	Auto Pass.	Transit	Walk	Bike	Other
Albuquerque	1992	2,750,000			0.6%			
Amarillo, TX	1991	704,124	71.9%	25.2%	0.5%	1.1%	0.1%	1.2%
Baltimore	1993	6,091,000			3.2%			
Brownsville, TX	1991	292,994	62.0%	30.2%	1.6%	0.8%	0.1%	5.3%
Cincinnati	1995	8,626,784	38.7%	35.8%	1.1%	0.0%	0.0%	0.0%
Cleveland	1994	8,576,475	61.0%	26.0%	2.0%	7.0%	0.1%	3.0%
Ft. Collins	1995				1.0%	6.0%	3.0%	1.0%
Houston	1995	12,133,000						
Los Angeles	1991		63.0%	19.0%	4.0%			14.0%
Madison	1990	916,593	75.4%	21.3%	3.3%			
Minn/St. Paul	1990	8,860,634	72.4%	21.0%	2.5%	N/A	N/A	4.1%
Reno	1991	948,662			2.4%			
San Antonio	1991	3,802,513	64.8%	23.0%	3.1%	4.9%	0.3%	3.9%
San Diego*	1995		49.0%	42.0%	1.0%	8.0%	N/A	N/A
San Francisco	1996	18,076,332	53.6%	29.3%	6.7%	9.3%	1.2%	
Sher-Den, TX	1991	331,251	72.0%	22.0%	0.7%	24.8%	0.3%	2.5%
Tucson	1993	2,253,613	65.6%	19.5%	2.1%	7.7%	2.4%	2.8%
Wilmington, DE	1995		87.1%	9.8%	0.1%	1.3%	0.1%	1.4%

Source: Surveys of MPOs.

* San Diego Walk Trips are cumulative: Walk, Bike, and Other.

TABLE 5.1A Daily person trips by mode, prior survey

Site	Year	Total Daily Pers. Trips	Percent By Mode					
			Auto Dr.	Auto Pass.	Transit	Walk	Bike	Other
Atlanta	1972	4,087,000	61.2	28.4	10.4			
Baltimore	1977	3,408,000		89.3	10.7			
Chicago	1979	N/A	65.0	21.5	10.4			3.1
Denver	1982	6,025,000	58.0	20.0	2.5			19.5
Kansas City	1970	3,573,000		92.5	7.5			
Los Angeles	1976	N/A	59.7	22.0	3.1	11.9		2.6
Louisville	1978	1,858,000		92.3	7.7			
Milwaukee	1972	4,505,000	64.3	27.2	8.0			0.5
Minn/St. Paul	1982	N/A	68.8	20.4	3.8			7.0
Philadelphia	1977	12,690,000		92.0	8.0			
Phoenix	1977	3,550,000	60.7	22.8	7.1	7.9		1.5
Sacramento	1978	N/A	57.7	23.7	4.3	9.3		5.0
San Diego	1977	N/A	59.1	22.6	4.1	10.1		4.1
San Francisco	1980-1981	17,168,000	60.0	18.2	6.4	11.4		4.0
Washington, DC	1968	5,879,000	60.0		11.2			30.9

Source: Surveys of MPOs.

TABLE 5.2 Daily person trip rates by mode, latest survey

Site	Year	Population	Total Daily Trips/Person	Trips Per Person By Mode					
				Auto Dr.	Auto Pass.	Transit	Walk	Bike	Other
Albuquerque	1992	693,000	3.97			0.02			
Amarillo, TX	1991	197,547	3.56	2.56	0.90	0.02	0.04	0.01	0.04
Brownsville, TX	1991	98,962	2.96	1.84	0.89	0.05	0.02	0.00	0.16
Madison	1990	317,581	2.87	2.18	0.62	0.09			
Minn/St. Paul	1990	2,288,721	3.87	2.80	0.81	0.10	N/A	N/A	0.16
Reno	1991	300,041	3.16			0.08			
San Antonio	1991	1,185,394	3.21	2.08	0.74	0.10	0.16	0.01	0.12
San Francisco	1996	6,023,577	3.00	1.61	0.88	0.20	0.28	0.04	
Sher-Den, TX	1991	95,021	3.49	2.51	0.77	0.03	0.86	0.01	0.09
St. Louis	1990			73.60	20.30	1.20			4.90
Tucson	1993	637,094	3.54	2.32	0.69	0.07	0.27	0.09	0.10

Source: Surveys of MPOs.

TABLE 5.3 Daily home-based work (HBW) trips by mode, latest survey

Site	Year	Total Daily HBW Trips	Percent By Mode					
			Auto Dr.	Auto Pass.	Transit	Walk	Bike	Other
Amarillo, TX	1991	127,153	91.6%	6.4%	0.8%	0.8%	0.2%	1.5%
Brownsville, TX	1991	44,633	81.3%	14.3%	1.2%	2.4%	0.4%	0.4%
Cincinnati	1995	1,096,877	87.8%	9.8%	2.9%			
Ft. Collins	1995		83.0%	9.0%	1.0%	3.0%	4.0%	
Houston	1995	2,390,906						
Los Angeles	1991		77.0%	11.0%	7.0%			6.0%
Madison	1990	238,976	88.8%	6.8%	5.2%			
Minn/St. Paul	1990	1,271,907	88.0%	6.5%	4.7%	N/A	N/A	0.8%
Phoenix	1988		80.0%	5.8%		1.0%	1.5%	0.2%
San Antonio	1991	787,399	84.2%	8.8%	4.3%	1.6%	0.1%	1.1%
San Diego*	1995		81.0%	14.0%	2.0%	3.0%	N/A	N/A
San Francisco	1996	4,560,994	71.3%	13.5%	9.9%	3.5%	1.0%	
Sher-Den, TX	1991	53,118	92.2%	6.7%	0.2%	0.4%	0.1%	0.3%
Tucson	1993	396,189	83.7%	8.1%	2.4%	3.6%	2.2%	
Washington, DC	1994	5,158,100						
Wilmington, DE	1995		94.2%	3.0%	1.4%	1.1%	0.1%	0.4%

Source: Surveys of MPOs.

* San Diego Walk Trips are cumulative: Walk, Bike, and Other.

TABLE 5.4 Daily home-based other (HBO) trips by mode, latest survey

Site	Year	Total Daily HBO Trips	Percent By Mode					
			Auto Dr.	Auto Pass.	Transit	Walk	Bike	Other
Amarillo, TX	1991	348,567	62.4%	33.4%	0.6%	1.5%	0.2%	1.9%
Brownsville, TX	1991	167,662	52.3%	36.3%	2.1%	0.6%	0.0%	8.6%
Ft. Collins	1995		44.0%	45.0%	1.0%	6.0%	3.0%	
Madison	1990	446,174	68.4%	28.7%	2.8%			
Minn/St. Paul	1990	4,647,929	67.0%	25.8%	1.5%	N/A	N/A	5.7%
Phoenix	1988		64.8%	26.8%		N/A	N/A	0.7%
San Antonio	1991	1,949,889	53.0%	29.7%	3.4%	7.3%	0.5%	6.2%
San Francisco	1996	8,381,564	N/A	N/A	5.9%	10.4%	1.6%	
Sher-Den, TX	1991	166,500	62.9%	28.1%	1.0%	3.9%	0.1%	3.6%
Tucson	1993	1,274,124	56.5%	22.7%	2.7%	10.2%	3.1%	4.9%
Wilmington, DE	1995		83.5%	13.6%	0.6%	1.4%	0.2%	0.6%

Source: Surveys of MPOs.

TABLE 5.5 Daily non-home based (NHB) trips by mode, latest survey

Site	Year	Total Daily NHB Trips	Percent By Mode					
			Auto Dr.	Auto Pass.	Transit	Walk	Bike	Other
Amarillo, TX	1991	228,431	75.4%	23.0%	0.1%	0.6%	0.1%	0.8%
Brownsville, TX	1991	80,740	71.4%	26.4%	0.7%	0.3%	0.0%	1.2%
Ft. Collins	1995		57.0%	34.0%	3.0%	5.0%	2.0%	0.0%
Houston	1995	3,381,382						
Madison	1990	231,443	76.0%	22.0%	2.0%			
Minn/St. Paul	1990	2,940,795	74.3%	19.6%	3.2%	N/A	N/A	2.9%
Phoenix	1988		80.8%	16.4%		N/A	N/A	0.7%
San Antonio	1991	1,065,255	72.1%	21.4%	1.7%	3.1%	0.1%	1.7%
San Francisco	1996	723,122	68.1%	14.1%	4.7%	12.5%	0.1%	0.0%
Sher-Den, TX	1991	111,639	76.0%	20.2%	0.7%	1.2%	0.1%	1.9%
Tucson	1993	583,300	73.4%	20.1%	0.6%	4.9%	1.2%	0.0%
Wilmington, DE	1995		84.7%	11.3%	1.3%	1.4%	0.1%	1.3%

Source: Surveys of MPOs.