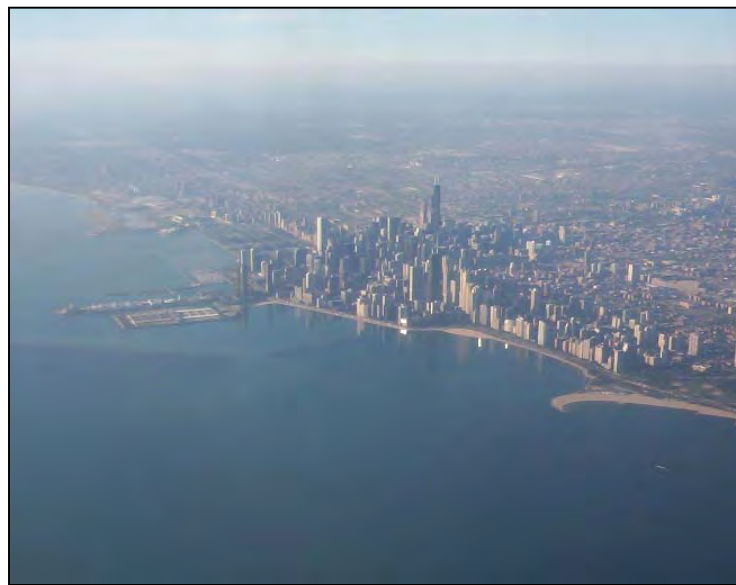


DEMOGRAPHIA

Demographia
United States
Central Business Districts
(Downtowns)



50 Largest Urban Areas
2000 Data on
Employment &
Transit Work Trips

June 2006
(Draft)

TABLE OF CONTENTS

Introduction and Notes

Analysis: Downtown and Transit

Summary Tables

- A. Summary of CBD Size & Density
- B. Summary of Transit Commuting by Size of CBD

Figures

- 1. CBD Employment Ranked by Urban Area
- 2. CBD & Outside Market Shares by CBD Employment Size
- 3. Transit Market Share by CBD Size
- 4. Commuting to CBD Employment
- 5. Density of Transit Work Trips
- 6. Commuting to Outside CBD Jobs
- 7. Distribution of Transit Work Trip Destinations

Ranking Tables

- 1. Ranking: CBD Employment
- 2. Ranking: CBD Share of Urban Area Employment
- 3. Ranking: CBD Transit Work Trip Market Share
- 4. Ranking: Outside CBD Transit Work Trip Market Share

Employment Tables

- E-1. CBD Share of Urban Area Employment
- E-2. CBD: Employment Density
- E-3. Outside CBD: Employment Density
- E-4. Urban Area: Employment Density
- E-5. Ratio of Employment Density: CBD to Urban Area

Transit Work Trip Market Share Tables

- T-1. CBD: Transit Work Trip Market Share
- T-2. Outside CDB: Transit Work Trip Market Share
- T-3. Urban Area: Transit Work Trip Market Share
- T-4. CBD: Density of Transit Commuters
- T-5. Outside CBD: Density of Transit Commuters
- T-6. Urban Area: Density of Transit Commuters
- T-7. Ratio of Transit Commuter Density: CBD to Urban Area
- T-8. CBD Share of Urban Area Transit Commuters

INTRODUCTION AND NOTES

Demographia Central Business Districts provides detailed estimates on downtown (central business districts or CBDs) and urban area employment and transit work trip market share¹ in the 50 largest United States urban areas. The estimates are derived from the 2000 United States Census, principally the Census Transportation Planning Package. Ranking tables are provided as well as detailed data tables for employment and transit market share.

Central Business Districts

There is no generally accepted definition of a central business district among urban analysts, planners or planning organizations. Downtowns may be the tall buildings that are at the core of the urban area. Alternatively, downtowns might include the lower rise buildings that typically surround the tall buildings, often extending a number of miles.

Demographia has defined the central business districts based upon a simple criterion --- where the “big buildings” are. The minimum geographical area of analysis is the census tract. The central business district as herein defined includes the census tracts that contain the concentrated tall commercial buildings, generally more than 10 floors in the historical downtown core. Because census tracts may have considerable additional land area not covered by tall building concentrations, the land area and density estimates should be used with caution.

The purpose of this report is to provide comparative data on the dense employment centers, with their tall buildings, that can often be seen from many parts of the urban area. Central business districts thus defined are very small, with only New York exceeding 3.5 square miles. The total land area of these central business districts is less than 70 square miles, or 1.3 times the land area of Denver International Airport.

Because of this “tight” definition, downtown densities will generally be higher than in other reports. Moreover, because transit best serves the most concentrated CBD cores, where its routes generally converge, the “tight” definition results in higher CBD transit market shares that would result from larger geographical definitions.²

Urban Areas

United States Bureau of the Census urban areas (urbanized areas) are used. In four cases (New York, Los Angeles, San Francisco and Boston), *Demographia* uses a larger combined urban area because of substantial contiguity. In each of these cases, the contiguous urban areas are within the same

¹ Work trip market share should not be confused with overall transit market share. Each decennial census in the United States includes an examination of how people get to work. This is the authoritative source of work trip market share data for the various modes of transport. Transit market shares for all trips are considerably lower than for work trips. For example, in the New York area, the transit work trip market share is approximately 25 percent, while the transit market share for all trips is under 10 percent (<http://www.publicpurpose.com/ut-uspt2003share.pdf>). Overall, the national transit work trip market share in 2000 was 4.7 percent (<http://www.publicpurpose.com/ut-jtw2000usataxi.htm>), while the overall transit market share in urban areas was 1.7 percent (<http://www.publicpurpose.com/ut-usptshare45.htm>).

² *Demographia* also estimated 1990 downtown market shares for a number of urban areas, based upon CTPP data. Generally, downtown definitions supplied by metropolitan planning organizations were used. Many of these covered considerably more land area than in these 2000 estimates. As a result, the employment density and transit market share data from the new 2000 estimates cannot be validly compared to the 1990 estimates.

consolidated metropolitan area and thus are a part of a single labor market. The combined urban areas are as follows:

New York: Includes the New York, Danbury (CT), Bridgeport (CT), New Haven (CT), Trenton (NJ) and Hightstown (NJ) urban areas.

Los Angeles: Includes the Los Angeles, Riverside-San Bernardino and Mission Viejo urban areas.

San Francisco: Includes the San Francisco, San Jose and Concord urban areas.

Boston: Includes the Boston, Worcester and Nashua (NH) urban areas.

New York

The New York central business district is generally considered to be Manhattan south of 59th Street. This definition, however, includes large areas that are principally residential (such as the Lower East Side and Greenwich Village). *Demographia* excludes these residential areas from the CBD definition.

Cover Photograph

Chicago central business district, 2005 (view from the north)
Photograph by Wendell Cox

ANALYSIS: TRANSIT & DOWNTOWN

Confirming the saying that “transit is about downtown,” approximately one-third of the nation’s transit commuters travel to five downtown areas (New York, Chicago, Washington, Boston and San Francisco). The transit work trip market share of these downtowns is 63 percent. These five downtown areas are so dense that they encompass a total of only 17 square miles, only slightly larger than Disney’s new urbanist development, Celebration. If the five downtowns were arranged in a circle, the average person would require less than one hour to walk from the middle to the edge. The following table provides comparisons to the land area of the five largest CBDs.

COMPARISONS TO LARGEST DOWNTOWN AREAS	
Area	Land Area (Square Miles)
Dallas-Fort Worth Airport	27.6
5 Largest CBDs (NYC, CHI, WDC, SF, BOS)*	17.8
Celebration, Florida (Disney New Urbanist Development)	15.0
Ville de Paris: Core Arrondissements (I-XII)	12.9
* One-third of the nation's transit work trips are to these downtown areas.	

At the same time, the transit market share outside the largest downtowns is much smaller. Among the remaining 45 largest urban areas, the downtown transit trip market share is 17 percent. Outside downtown areas, the transit market share outside downtown is 4.9 percent in the 50 largest urban areas. Only New York exceeds eight percent. However, outside the city of New York, which is five times as dense as the entire New York urban area, transit’s work trip market share is a much smaller 6.2 percent.

Employment Sector	Total Employment	Land Area (Square Miles)	Employment Density	Share of Urban Area Employment	Number of Urban Areas
CBDs Over 500,000	2,278,000	11.2	203,789	2.2%	2
CBDs 250,000 - 500,000	945,000	5.9	160,996	0.9%	3
CBDs 100,000 - 250,000	1,134,000	11.9	95,045	1.1%	8
CBDs 50,000 - 100,000	1,566,000	29.6	52,946	1.5%	22
CBDs 25,000 - 500,000	388,000	8.8	43,977	0.4%	11
CBDs Under 25,000	69,000	1.8	39,177	0.1%	4
Total CBDs	6,380,000	69.1	92,290	6.2%	50
Outside CBDs	55,022,000	40,661	1,353	53.8%	
50 Largest Urban Areas	61,402,000	40,730	1,508	60.0%	
All Other Urban Areas	40,919,000	51,775	1,292	40.0%	
All Urban Areas	102,321,000	92,505	1,387	100.0%	
Rural Areas	25,958,000				
United States	128,279,000				

Employment Sector	Total Employment	Transit Commuters	Land Area (Square Miles)	Density of Transit Work Trips	Transit Market Share
CBDs Over 500,000	2,278,000	1,583,000	11.2	141,592	69.5%
CBDs 250,000 - 500,000	945,000	431,000	5.9	73,424	45.6%
CBDs 100,000 - 250,000	1,134,000	306,000	11.9	25,650	27.0%
CBDs 50,000 - 100,000	1,566,000	196,000	29.6	6,626	12.5%
CBDs 25,000 - 500,000	388,000	25,000	8.8	2,834	6.4%
CBDs Under 25,000	69,000	4,000	1.8	2,286	5.8%
Total CBDs	6,380,000	2,545,000	69.1	36,815	39.9%
Outside CBDs	55,022,000	2,683,000	40,661	66	4.9%
50 Largest Urban Areas	61,402,000	5,228,000	40,730	128	8.5%
All Other Urban Areas	40,919,000	565,000	51,775	11	1.4%
Urban Areas	102,321,000	5,793,000	92,505	63	5.7%
Rural Areas	25,958,000	275,000			1.1%
United States	128,279,000	6,068,000			4.7%
All Other Areas	40,919,000	840,000			1.3%

CBD Employment

UNITED STATES: LARGEST URBAN AREAS: 2000

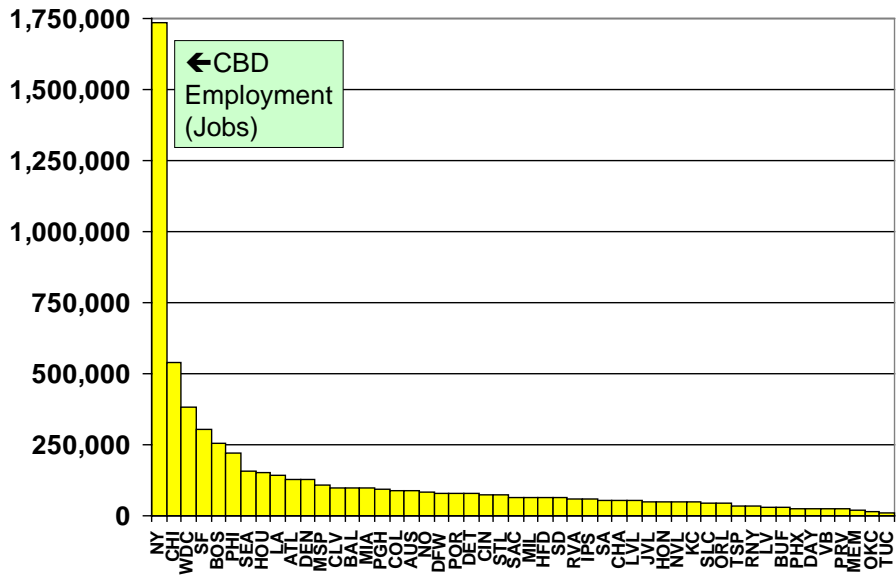


Figure 1

CBD Employment Shares

UNITED STATES: LARGEST URBAN AREAS: 2000

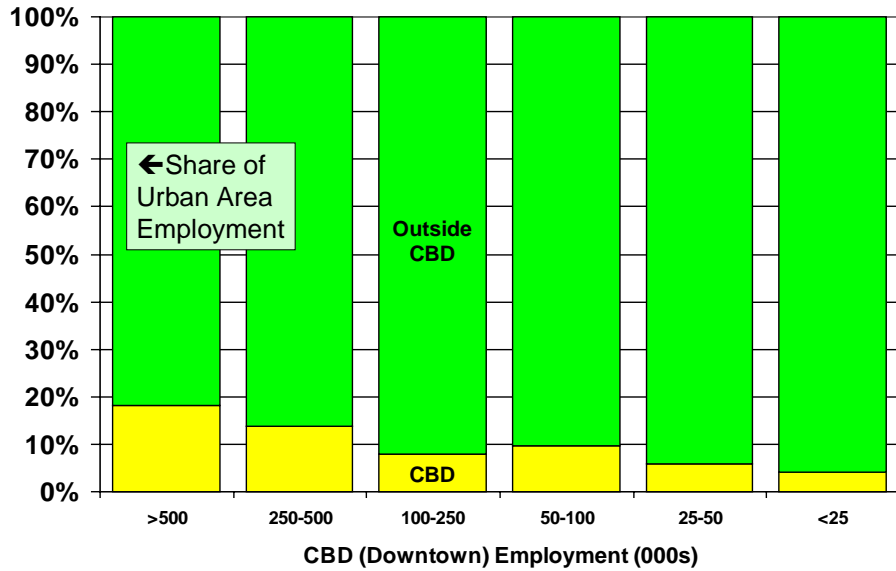


Figure 2

Transit Market Share by CBD Size

UNITED STATES: LARGEST URBAN AREAS: 2000

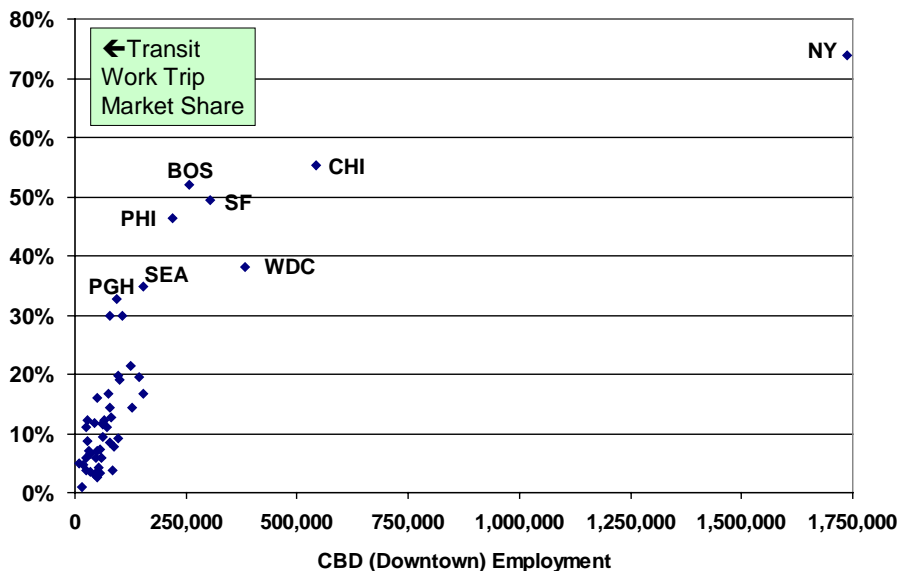


Figure 3

Commuting to CBD Employment

UNITED STATES: LARGEST URBAN AREAS: 2000

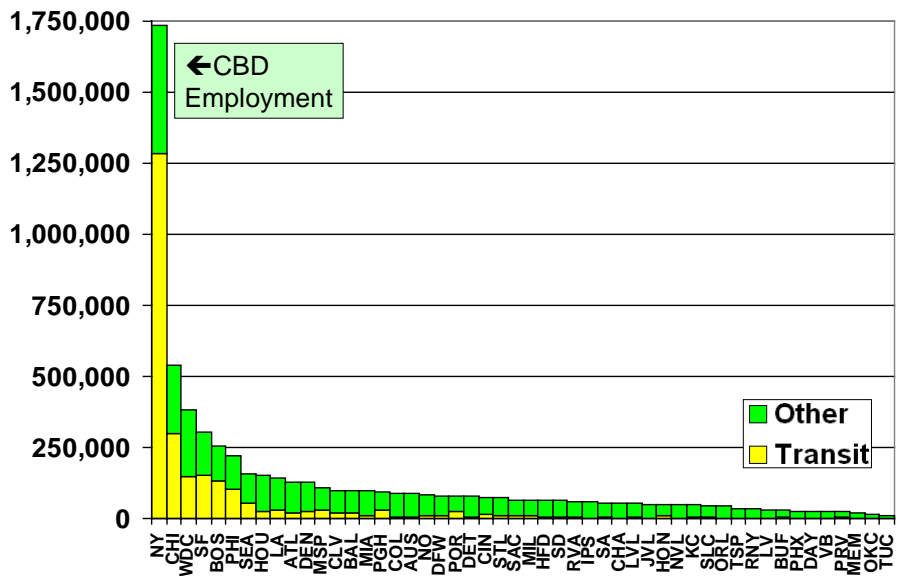


Figure 4

Density of Transit Work Trips

UNITED STATES: LARGEST URBAN AREAS: 2000

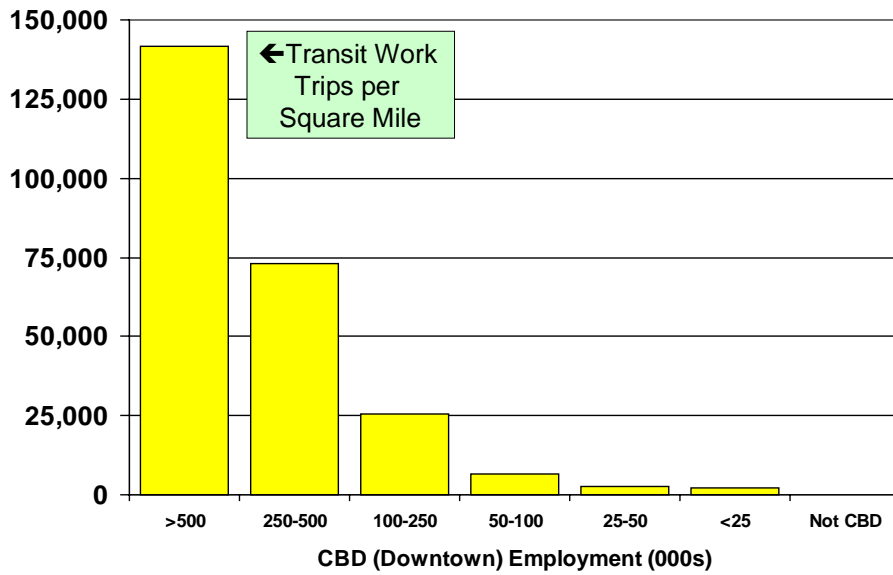


Figure 5

Commuting to Outside CBD Jobs

UNITED STATES: LARGEST URBAN AREAS: 2000

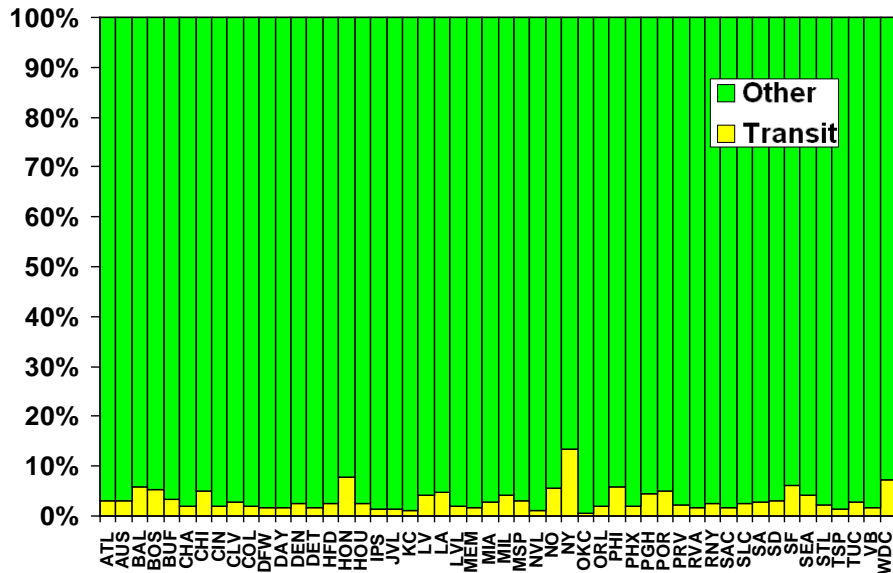


Figure 6

Distribution of Transit Work Trips

UNITED STATES: LARGEST URBAN AREAS: 2000

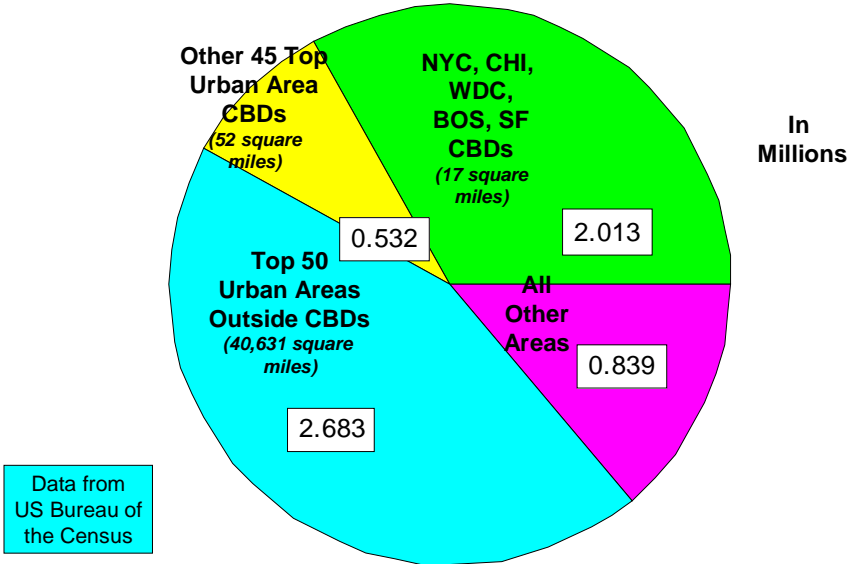


Figure 7

Table 1
RANKING: CBD EMPLOYMENT

Rank	Urban Area	Employment	Land Area (Square Miles)	Employment Density
1	New York	1,736,900	7.82	222,100
2	Chicago	541,500	3.36	161,200
3	Washington	382,400	2.30	166,300
4	San Francisco-San Jose	305,600	2.34	130,600
5	Boston	257,000	1.23	208,900
6	Philadelphia	220,100	1.71	128,700
7	Seattle	155,100	1.48	104,800
8	Houston	153,400	1.53	100,300
9	Los Angeles	143,700	1.25	115,000
10	Atlanta	129,800	2.17	59,800
11	Denver	126,000	1.53	82,400
12	Minneapolis-St. Paul	105,400	0.72	146,400
13	Cleveland	100,300	1.54	65,100
14	Baltimore	98,500	1.09	90,400
15	Miami	98,000	2.91	33,700
16	Pittsburgh	95,600	0.66	144,800
17	Columbus	88,800	2.47	36,000
18	Austin	86,000	1.59	54,100
19	New Orleans	81,400	1.06	76,800
20	Dallas-Fort Worth	79,900	0.67	119,300
21	Portland	79,600	1.04	76,500
22	Detroit	78,600	1.41	55,700
23	Cincinnati	73,900	0.71	104,100
24	St. Louis	72,800	1.73	42,100
25	Sacramento	64,800	1.26	51,400
26	Milwaukee	64,100	1.66	38,600
27	Hartford	62,200	1.41	44,100
28	San Diego	61,800	1.24	49,800
29	Richmond	60,900	1.54	39,500
30	Indianapolis	57,900	1.47	39,400
31	San Antonio	55,100	1.37	40,200
32	Charlotte	52,800	0.73	72,300
33	Louisville	51,700	1.13	45,800
34	Jacksonville	51,300	1.68	30,500
35	Honolulu	50,600	0.75	67,500
36	Nashville	46,900	0.81	57,900
37	Kansas City	46,700	0.98	47,700
38	Salt Lake City	42,900	1.07	40,100
39	Orlando	42,500	1.30	32,700
40	Tampa-St. Petersburg	36,000	0.75	48,000
41	Rochester	33,900	0.68	49,900
42	Las Vegas	30,800	0.58	53,100
43	Buffalo	29,000	0.38	76,300
44	Phoenix	26,800	0.50	53,600
45	Dayton	26,200	1.16	22,600
46	Virginia Beach	26,100	0.61	42,800
47	Providence	24,300	0.51	47,600
48	Memphis	18,200	0.61	29,800
49	Oklahoma City	16,400	0.33	49,700
50	Tucson	9,700	0.30	32,300

Table 2
RANKING: CBD SHARE OF URBAN AREA EMPLOYMENT

Rank	Urban Area	Employment	Urban Area Employment	CBD Share
1	New York	1,736,900	8,623,800	20.1%
2	New Orleans	81,400	428,800	19.0%
3	Washington	382,400	2,047,800	18.7%
4	Austin	86,000	485,300	17.7%
5	Hartford	62,200	404,100	15.4%
6	Columbus	88,800	583,800	15.2%
7	Richmond	60,900	403,400	15.1%
8	Honolulu	50,600	335,900	15.1%
9	Chicago	541,500	3,797,000	14.3%
10	Charlotte	52,800	395,400	13.4%
11	Louisville	51,700	414,400	12.5%
12	Nashville	46,900	377,500	12.4%
13	San Francisco-San Jose	305,600	2,503,400	12.2%
14	Denver	126,000	1,034,500	12.2%
15	Cleveland	100,300	825,400	12.2%
16	Pittsburgh	95,600	794,300	12.0%
17	Jacksonville	51,300	426,400	12.0%
18	Seattle	155,100	1,377,100	11.3%
19	Boston	257,000	2,318,000	11.1%
20	Sacramento	64,800	614,600	10.5%
21	Rochester	33,900	324,400	10.5%
22	Milwaukee	64,100	623,300	10.3%
23	Cincinnati	73,900	725,700	10.2%
24	Baltimore	98,500	982,500	10.0%
25	Portland	79,600	794,500	10.0%
26	Salt Lake City	42,900	433,700	9.9%
27	Indianapolis	57,900	609,100	9.5%
28	San Antonio	55,100	581,000	9.5%
29	Philadelphia	220,100	2,339,500	9.4%
30	Houston	153,400	1,715,400	8.9%
31	Minneapolis-St. Paul	105,400	1,286,500	8.2%
32	Dayton	26,200	330,900	7.9%
33	Orlando	42,500	574,900	7.4%
34	St. Louis	72,800	987,500	7.4%
35	Atlanta	129,800	1,766,900	7.3%
36	Kansas City	46,700	676,200	6.9%
37	Buffalo	29,000	431,900	6.7%
38	Las Vegas	30,800	605,400	5.1%
39	San Diego	61,800	1,240,600	5.0%
40	Miami	98,000	2,084,600	4.7%
41	Oklahoma City	16,400	351,600	4.7%
42	Detroit	78,600	1,743,300	4.5%
43	Providence	24,300	547,000	4.4%
44	Memphis	18,200	436,000	4.2%
45	Dallas-Fort Worth	79,900	2,007,200	4.0%
46	Virginia Beach	26,100	679,300	3.8%
47	Tampa-St. Petersburg	36,000	943,300	3.8%
48	Tucson	9,700	323,500	3.0%
49	Los Angeles	143,700	5,731,700	2.5%
50	Phoenix	26,800	1,333,500	2.0%

Table 3
RANKING: CBD TRANSIT MARKET SHARE

Rank	Urban Area	Employment	Transit Commuters	Market Share
1	New York	1,736,900	1,283,400	73.9%
2	Chicago	541,500	299,600	55.3%
3	Boston	257,000	133,600	52.0%
4	San Francisco-San Jose	305,600	151,400	49.5%
5	Philadelphia	220,100	102,000	46.4%
6	Washington	382,400	145,700	38.1%
7	Seattle	155,100	54,100	34.9%
8	Pittsburgh	95,600	31,300	32.8%
9	Minneapolis-St. Paul	105,400	31,700	30.0%
10	Portland	79,600	23,700	29.8%
11	Denver	126,000	26,800	21.3%
12	Baltimore	98,500	19,500	19.8%
13	Los Angeles	143,700	28,100	19.6%
14	Cleveland	100,300	19,100	19.0%
15	Houston	153,400	25,700	16.8%
16	Cincinnati	73,900	12,300	16.6%
17	Honolulu	50,600	8,100	15.9%
18	Atlanta	129,800	18,600	14.4%
19	Dallas-Fort Worth	79,900	11,400	14.3%
20	New Orleans	81,400	10,200	12.6%
21	Sacramento	64,800	8,000	12.3%
22	Buffalo	29,000	3,600	12.3%
23	San Diego	61,800	7,300	11.8%
24	Salt Lake City	42,900	5,100	11.8%
25	Milwaukee	64,100	7,400	11.6%
26	Providence	24,300	2,700	11.1%
27	St. Louis	72,800	8,000	11.0%
28	Hartford	62,200	5,900	9.5%
29	Miami	98,000	9,000	9.2%
30	Phoenix	26,800	2,300	8.7%
31	Detroit	78,600	6,700	8.5%
32	Columbus	88,800	7,000	7.8%
33	San Antonio	55,100	4,000	7.3%
34	Louisville	51,700	3,700	7.1%
35	Las Vegas	30,800	2,200	7.1%
36	Rochester	33,900	2,200	6.5%
37	Kansas City	46,700	2,700	5.9%
38	Richmond	60,900	3,600	5.9%
39	Dayton	26,200	1,500	5.8%
40	Tucson	9,700	500	5.0%
41	Memphis	18,200	800	4.6%
42	Charlotte	52,800	2,300	4.3%
43	Austin	86,000	3,300	3.8%
44	Virginia Beach	26,100	1,000	3.7%
45	Tampa-St. Petersburg	36,000	1,300	3.6%
46	Nashville	46,900	1,600	3.3%
47	Indianapolis	57,900	1,900	3.3%
48	Orlando	42,500	1,300	3.1%
49	Jacksonville	51,300	1,400	2.7%
50	Oklahoma City	16,400	100	0.9%

Table 4
RANKING: OUTSIDE CBD TRANSIT MARKET SHARE

Rank	Urban Area	Employment	Transit Commuters	Market Share
1	New York	6,886,900	920,600	13.4%
2	Honolulu	285,300	22,300	7.8%
3	Washington	1,665,400	123,800	7.4%
4	San Francisco	2,197,800	134,000	6.1%
5	Philadelphia	2,119,400	128,000	6.0%
6	Baltimore	884,000	51,300	5.8%
7	New Orleans	347,400	19,600	5.6%
8	Boston	2,061,000	109,400	5.3%
9	Chicago	3,255,500	165,200	5.1%
10	Portland	714,900	34,900	4.9%
11	Los Angeles	5,588,000	270,200	4.8%
12	Pittsburgh	698,700	31,700	4.5%
13	Las Vegas	574,600	24,600	4.3%
14	Seattle	1,222,000	49,900	4.1%
15	Milwaukee	559,200	22,800	4.1%
16	Buffalo	402,900	13,500	3.4%
17	Atlanta	1,637,100	51,500	3.1%
18	Austin	399,300	12,500	3.1%
19	Minneapolis-St. Paul	1,181,100	36,900	3.1%
20	San Diego	1,178,800	35,500	3.0%
21	San Antonio	525,900	15,500	2.9%
22	Cleveland	725,100	21,000	2.9%
23	Miami	1,986,600	57,400	2.9%
24	Tucson	313,800	8,400	2.7%
25	Salt Lake City	390,800	10,100	2.6%
26	Hartford	341,900	8,500	2.5%
27	Denver	908,500	22,100	2.4%
28	Houston	1,562,000	37,400	2.4%
29	Rochester	290,500	6,900	2.4%
30	Providence	522,700	11,100	2.1%
31	St. Louis	914,700	19,400	2.1%
32	Cincinnati	651,800	13,300	2.0%
33	Phoenix	1,306,700	25,600	2.0%
34	Columbus	495,000	9,600	1.9%
35	Charlotte	342,600	6,600	1.9%
36	Louisville	362,700	6,800	1.9%
37	Orlando	532,400	9,900	1.9%
38	Dayton	304,700	5,500	1.8%
39	Virginia Beach	653,200	11,700	1.8%
40	Memphis	417,800	7,400	1.8%
41	Richmond	342,500	6,000	1.8%
42	Sacramento	549,800	9,200	1.7%
43	Dallas-Fort Worth	1,927,300	31,200	1.6%
44	Detroit	1,664,700	26,900	1.6%
45	Jacksonville	375,100	5,500	1.5%
46	Indianapolis	551,200	7,600	1.4%
47	Tampa-St. Petersburg	907,300	11,800	1.3%
48	Kansas City	629,500	7,500	1.2%
49	Nashville	330,600	3,200	1.0%
50	Oklahoma City	335,200	2,000	0.6%

**Table E-1
CBD SHARE OF URBAN AREA EMPLOYMENT**

Urban Area	Employment	Urban Area Employment	CBD Share	Rank
Atlanta	129,800	1,766,900	7.3%	35
Austin	86,000	485,300	17.7%	4
Baltimore	98,500	982,500	10.0%	24
Boston	257,000	2,318,000	11.1%	19
Buffalo	29,000	431,900	6.7%	37
Charlotte	52,800	395,400	13.4%	10
Chicago	541,500	3,797,000	14.3%	9
Cincinnati	73,900	725,700	10.2%	23
Cleveland	100,300	825,400	12.2%	15
Columbus	88,800	583,800	15.2%	6
Dallas-Fort Worth	79,900	2,007,200	4.0%	45
Dayton	26,200	330,900	7.9%	32
Denver	126,000	1,034,500	12.2%	14
Detroit	78,600	1,743,300	4.5%	42
Hartford	62,200	404,100	15.4%	5
Honolulu	50,600	335,900	15.1%	8
Houston	153,400	1,715,400	8.9%	30
Indianapolis	57,900	609,100	9.5%	27
Jacksonville	51,300	426,400	12.0%	17
Kansas City	46,700	676,200	6.9%	36
Las Vegas	30,800	605,400	5.1%	38
Los Angeles	143,700	5,731,700	2.5%	49
Louisville	51,700	414,400	12.5%	11
Memphis	18,200	436,000	4.2%	44
Miami	98,000	2,084,600	4.7%	40
Milwaukee	64,100	623,300	10.3%	22
Minneapolis-St. Paul	105,400	1,286,500	8.2%	31
Nashville	46,900	377,500	12.4%	12
New Orleans	81,400	428,800	19.0%	2
New York	1,736,900	8,623,800	20.1%	1
Oklahoma City	16,400	351,600	4.7%	41
Orlando	42,500	574,900	7.4%	33
Philadelphia	220,100	2,339,500	9.4%	29
Phoenix	26,800	1,333,500	2.0%	50
Pittsburgh	95,600	794,300	12.0%	16
Portland	79,600	794,500	10.0%	25
Providence	24,300	547,000	4.4%	43
Richmond	60,900	403,400	15.1%	7
Rochester	33,900	324,400	10.5%	21
Sacramento	64,800	614,600	10.5%	20
Salt Lake City	42,900	433,700	9.9%	26
San Antonio	55,100	581,000	9.5%	28
San Diego	61,800	1,240,600	5.0%	39
San Francisco	305,600	2,503,400	12.2%	13
Seattle	155,100	1,377,100	11.3%	18
St. Louis	72,800	987,500	7.4%	34
Tampa-St. Petersburg	36,000	943,300	3.8%	47
Tucson	9,700	323,500	3.0%	48
Virginia Beach	26,100	679,300	3.8%	46
Washington	382,400	2,047,800	18.7%	3
Average			9.7%	
Minimum	9,700	323,500	2.0%	
Maximum	1,736,900	8,623,800	20.1%	
Total	6,379,900	61,401,800	10.4%	

**Table E-2
CBD EMPLOYMENT DENSITY**

Urban Area	Employment	Land Area (Square Miles)	Employment Density	Rank
Atlanta	129,800	2.17	59,800	22
Austin	86,000	1.59	54,100	25
Baltimore	98,500	1.09	90,400	14
Boston	257,000	1.23	208,900	2
Buffalo	29,000	0.38	76,300	18
Charlotte	52,800	0.73	72,300	19
Chicago	541,500	3.36	161,200	4
Cincinnati	73,900	0.71	104,100	12
Cleveland	100,300	1.54	65,100	21
Columbus	88,800	2.47	36,000	44
Dallas-Fort Worth	79,900	0.67	119,300	9
Dayton	26,200	1.16	22,600	50
Denver	126,000	1.53	82,400	15
Detroit	78,600	1.41	55,700	24
Hartford	62,200	1.41	44,100	36
Honolulu	50,600	0.75	67,500	20
Houston	153,400	1.53	100,300	13
Indianapolis	57,900	1.47	39,400	42
Jacksonville	51,300	1.68	30,500	48
Kansas City	46,700	0.98	47,700	33
Las Vegas	30,800	0.58	53,100	27
Los Angeles	143,700	1.25	115,000	10
Louisville	51,700	1.13	45,800	35
Memphis	18,200	0.61	29,800	49
Miami	98,000	2.91	33,700	45
Milwaukee	64,100	1.66	38,600	43
Minneapolis-St. Paul	105,400	0.72	146,400	5
Nashville	46,900	0.81	57,900	23
New Orleans	81,400	1.06	76,800	16
New York	1,736,900	7.82	222,100	1
Oklahoma City	16,400	0.33	49,700	31
Orlando	42,500	1.30	32,700	46
Philadelphia	220,100	1.71	128,700	8
Phoenix	26,800	0.50	53,600	26
Pittsburgh	95,600	0.66	144,800	6
Portland	79,600	1.04	76,500	17
Providence	24,300	0.51	47,600	34
Richmond	60,900	1.54	39,500	41
Rochester	33,900	0.68	49,900	29
Sacramento	64,800	1.26	51,400	28
Salt Lake City	42,900	1.07	40,100	40
San Antonio	55,100	1.37	40,200	39
San Diego	61,800	1.24	49,800	30
San Francisco	305,600	2.34	130,600	7
Seattle	155,100	1.48	104,800	11
St. Louis	72,800	1.73	42,100	38
Tampa-St. Petersburg	36,000	0.75	48,000	32
Tucson	9,700	0.30	32,300	47
Virginia Beach	26,100	0.61	42,800	37
Washington	382,400	2.30	166,300	3
Average			74,566	
Minimum	9,700	0.30	22,600	
Maximum	1,736,900	7.82	222,100	
Total	6,379,900	69.13	92,300	

Table E-3
OUTSIDE CBD: EMPLOYMENT DENSITY

Urban Area	Employment	Land Area (Square Miles)	Employment Density	Rank
Atlanta	1,637,100	1,960	800	48
Austin	399,300	317	1,300	21
Baltimore	884,000	682	1,300	23
Boston	2,061,000	2,123	1,000	41
Buffalo	402,900	366	1,100	34
Charlotte	342,600	434	800	47
Chicago	3,255,500	2,119	1,500	14
Cincinnati	651,800	671	1,000	38
Cleveland	725,100	645	1,100	33
Columbus	495,000	395	1,300	18
Dallas-Fort Worth	1,927,300	1,406	1,400	15
Dayton	304,700	322	900	43
Denver	908,500	497	1,800	5
Detroit	1,664,700	1,260	1,300	17
Hartford	341,900	468	700	50
Honolulu	285,300	153	1,900	4
Houston	1,562,000	1,294	1,200	26
Indianapolis	551,200	551	1,000	36
Jacksonville	375,100	409	900	42
Kansas City	629,500	583	1,100	29
Las Vegas	574,600	285	2,000	3
Los Angeles	5,588,000	2,242	2,500	1
Louisville	362,700	390	900	44
Memphis	417,800	399	1,000	37
Miami	1,986,600	1,113	1,800	6
Milwaukee	559,200	485	1,200	27
Minneapolis-St. Paul	1,181,100	893	1,300	20
Nashville	330,600	430	800	45
New Orleans	347,400	197	1,800	7
New York	6,886,900	4,341	1,600	10
Oklahoma City	335,200	322	1,000	35
Orlando	532,400	452	1,200	25
Philadelphia	2,119,400	1,798	1,200	28
Phoenix	1,306,700	799	1,600	9
Pittsburgh	698,700	852	800	49
Portland	714,900	473	1,500	13
Providence	522,700	503	1,000	39
Richmond	342,500	435	800	46
Rochester	290,500	294	1,000	40
Sacramento	549,800	368	1,500	11
Salt Lake City	390,800	230	1,700	8
San Antonio	525,900	406	1,300	19
San Diego	1,178,800	781	1,500	12
San Francisco	2,197,800	961	2,300	2
Seattle	1,222,000	952	1,300	22
St. Louis	914,700	827	1,100	31
Tampa-St. Petersburg	907,300	802	1,100	30
Tucson	313,800	291	1,100	32
Virginia Beach	653,200	526	1,200	24
Washington	1,665,400	1,154	1,400	16
Average			1,278	
Minimum			700	
Maximum			2,500	
Total	55,021,900	40,661	1,400	

Table E-4
URBAN AREA: EMPLOYMENT DENSITY

Urban Area	Employment	Land Area (Square Miles)	Employment Density	Rank
Atlanta	1,766,900	1,963	900	48
Austin	485,300	318	1,530	16
Baltimore	982,500	683	1,440	18
Boston	2,318,000	2,124	1,090	37
Buffalo	431,900	367	1,180	31
Charlotte	395,400	435	910	47
Chicago	3,797,000	2,123	1,790	10
Cincinnati	725,700	672	1,080	41
Cleveland	825,400	647	1,280	27
Columbus	583,800	398	1,470	17
Dallas-Fort Worth	2,007,200	1,407	1,430	21
Dayton	330,900	324	1,020	44
Denver	1,034,500	499	2,070	6
Detroit	1,743,300	1,261	1,380	23
Hartford	404,100	469	860	50
Honolulu	335,900	154	2,180	3
Houston	1,715,400	1,295	1,320	24
Indianapolis	609,100	553	1,100	35
Jacksonville	426,400	411	1,040	43
Kansas City	676,200	584	1,160	33
Las Vegas	605,400	286	2,120	5
Los Angeles	5,731,700	2,244	2,550	2
Louisville	414,400	391	1,060	42
Memphis	436,000	400	1,090	37
Miami	2,084,600	1,116	1,870	9
Milwaukee	623,300	487	1,280	27
Minneapolis-St. Paul	1,286,500	894	1,440	18
Nashville	377,500	431	880	49
New Orleans	428,800	198	2,170	4
New York	8,623,800	4,349	1,980	7
Oklahoma City	351,600	322	1,090	37
Orlando	574,900	453	1,270	29
Philadelphia	2,339,500	1,800	1,300	25
Phoenix	1,333,500	799	1,670	13
Pittsburgh	794,300	852	930	45
Portland	794,500	474	1,680	12
Providence	547,000	504	1,090	37
Richmond	403,400	437	920	46
Rochester	324,400	295	1,100	35
Sacramento	614,600	369	1,670	13
Salt Lake City	433,700	231	1,880	8
San Antonio	581,000	408	1,430	21
San Diego	1,240,600	782	1,590	15
San Francisco	2,503,400	963	2,600	1
Seattle	1,377,100	954	1,440	18
St. Louis	987,500	829	1,190	30
Tampa-St. Petersburg	943,300	802	1,180	31
Tucson	323,500	291	1,110	34
Virginia Beach	679,300	527	1,290	26
Washington	2,047,800	1,157	1,770	11
Average			1,417	
Minimum			860	
Maximum			2,600	
Total	61,401,800	40,730	1,500	

Table E-5
RATIO OF EMPLOYMENT DENSITY: CBD TO URBAN AREA

Urban Area	CBD Employment Density	Urban Area Employment Density	Compared to Urban Area Density	Rank
Atlanta	129,800	900	144.2	6
Austin	86,000	1,530	56.2	23
Baltimore	98,500	1,440	68.4	15
Boston	257,000	1,090	235.8	3
Buffalo	29,000	1,180	24.6	41
Charlotte	52,800	910	58.0	20
Chicago	541,500	1,790	302.5	2
Cincinnati	73,900	1,080	68.4	14
Cleveland	100,300	1,280	78.4	11
Columbus	88,800	1,470	60.4	19
Dallas-Fort Worth	79,900	1,430	55.9	24
Dayton	26,200	1,020	25.7	40
Denver	126,000	2,070	60.9	18
Detroit	78,600	1,380	57.0	21
Hartford	62,200	860	72.3	13
Honolulu	50,600	2,180	23.2	42
Houston	153,400	1,320	116.2	8
Indianapolis	57,900	1,100	52.6	26
Jacksonville	51,300	1,040	49.3	29
Kansas City	46,700	1,160	40.3	32
Las Vegas	30,800	2,120	14.5	49
Los Angeles	143,700	2,550	56.4	22
Louisville	51,700	1,060	48.8	30
Memphis	18,200	1,090	16.7	46
Miami	98,000	1,870	52.4	27
Milwaukee	64,100	1,280	50.1	28
Minneapolis-St. Paul	105,400	1,440	73.2	12
Nashville	46,900	880	53.3	25
New Orleans	81,400	2,170	37.5	36
New York	1,736,900	1,980	877.2	1
Oklahoma City	16,400	1,090	15.0	48
Orlando	42,500	1,270	33.5	37
Philadelphia	220,100	1,300	169.3	5
Phoenix	26,800	1,670	16.0	47
Pittsburgh	95,600	930	102.8	10
Portland	79,600	1,680	47.4	31
Providence	24,300	1,090	22.3	44
Richmond	60,900	920	66.2	16
Rochester	33,900	1,100	30.8	38
Sacramento	64,800	1,670	38.8	34
Salt Lake City	42,900	1,880	22.8	43
San Antonio	55,100	1,430	38.5	35
San Diego	61,800	1,590	38.9	33
San Francisco	305,600	2,600	117.5	7
Seattle	155,100	1,440	107.7	9
St. Louis	72,800	1,190	61.2	17
Tampa-St. Petersburg	36,000	1,180	30.5	39
Tucson	9,700	1,110	8.7	50
Virginia Beach	26,100	1,290	20.2	45
Washington	382,400	1,770	216.0	4
Average			83	
Minimum			9	
Maximum			877	

**Table T-1
CBD TRANSIT MARKET SHARE**

Urban Area	Employment	Transit Commuters	Market Share	Rank
Atlanta	129,800	18,600	14.4%	18
Austin	86,000	3,300	3.8%	43
Baltimore	98,500	19,500	19.8%	12
Boston	257,000	133,600	52.0%	3
Buffalo	29,000	3,600	12.3%	22
Charlotte	52,800	2,300	4.3%	42
Chicago	541,500	299,600	55.3%	2
Cincinnati	73,900	12,300	16.6%	16
Cleveland	100,300	19,100	19.0%	14
Columbus	88,800	7,000	7.8%	32
Dallas-Fort Worth	79,900	11,400	14.3%	19
Dayton	26,200	1,500	5.8%	39
Denver	126,000	26,800	21.3%	11
Detroit	78,600	6,700	8.5%	31
Hartford	62,200	5,900	9.5%	28
Honolulu	50,600	8,100	15.9%	17
Houston	153,400	25,700	16.8%	15
Indianapolis	57,900	1,900	3.3%	47
Jacksonville	51,300	1,400	2.7%	49
Kansas City	46,700	2,700	5.9%	37
Las Vegas	30,800	2,200	7.1%	35
Los Angeles	143,700	28,100	19.6%	13
Louisville	51,700	3,700	7.1%	34
Memphis	18,200	800	4.6%	41
Miami	98,000	9,000	9.2%	29
Milwaukee	64,100	7,400	11.6%	25
Minneapolis-St. Paul	105,400	31,700	30.0%	9
Nashville	46,900	1,600	3.3%	46
New Orleans	81,400	10,200	12.6%	20
New York	1,736,900	1,283,400	73.9%	1
Oklahoma City	16,400	100	0.9%	50
Orlando	42,500	1,300	3.1%	48
Philadelphia	220,100	102,000	46.4%	5
Phoenix	26,800	2,300	8.7%	30
Pittsburgh	95,600	31,300	32.8%	8
Portland	79,600	23,700	29.8%	10
Providence	24,300	2,700	11.1%	26
Richmond	60,900	3,600	5.9%	38
Rochester	33,900	2,200	6.5%	36
Sacramento	64,800	8,000	12.3%	21
Salt Lake City	42,900	5,100	11.8%	24
San Antonio	55,100	4,000	7.3%	33
San Diego	61,800	7,300	11.8%	23
San Francisco	305,600	151,400	49.5%	4
Seattle	155,100	54,100	34.9%	7
St. Louis	72,800	8,000	11.0%	27
Tampa-St. Petersburg	36,000	1,300	3.6%	45
Tucson	9,700	500	5.0%	40
Virginia Beach	26,100	1,000	3.7%	44
Washington	382,400	145,700	38.1%	6
Average			16.4%	
Minimum			0.9%	
Maximum			73.9%	
Total	6,379,900	2,544,700	39.9%	

Table T-2
OUTSIDE CBD TRANSIT MARKET SHARE

Urban Area	Employment	Transit Commuters	Market Share	Rank
Atlanta	1,637,100	51,500	3.1%	17
Austin	399,300	12,500	3.1%	18
Baltimore	884,000	51,300	5.8%	6
Boston	2,061,000	109,400	5.3%	8
Buffalo	402,900	13,500	3.4%	16
Charlotte	342,600	6,600	1.9%	35
Chicago	3,255,500	165,200	5.1%	9
Cincinnati	651,800	13,300	2.0%	32
Cleveland	725,100	21,000	2.9%	22
Columbus	495,000	9,600	1.9%	34
Dallas-Fort Worth	1,927,300	31,200	1.6%	43
Dayton	304,700	5,500	1.8%	38
Denver	908,500	22,100	2.4%	27
Detroit	1,664,700	26,900	1.6%	44
Hartford	341,900	8,500	2.5%	26
Honolulu	285,300	22,300	7.8%	2
Houston	1,562,000	37,400	2.4%	28
Indianapolis	551,200	7,600	1.4%	46
Jacksonville	375,100	5,500	1.5%	45
Kansas City	629,500	7,500	1.2%	48
Las Vegas	574,600	24,600	4.3%	13
Los Angeles	5,588,000	270,200	4.8%	11
Louisville	362,700	6,800	1.9%	36
Memphis	417,800	7,400	1.8%	40
Miami	1,986,600	57,400	2.9%	23
Milwaukee	559,200	22,800	4.1%	15
Minneapolis-St. Paul	1,181,100	36,900	3.1%	19
Nashville	330,600	3,200	1.0%	49
New Orleans	347,400	19,600	5.6%	7
New York	6,886,900	920,600	13.4%	1
Oklahoma City	335,200	2,000	0.6%	50
Orlando	532,400	9,900	1.9%	37
Philadelphia	2,119,400	128,000	6.0%	5
Phoenix	1,306,700	25,600	2.0%	33
Pittsburgh	698,700	31,700	4.5%	12
Portland	714,900	34,900	4.9%	10
Providence	522,700	11,100	2.1%	30
Richmond	342,500	6,000	1.8%	41
Rochester	290,500	6,900	2.4%	29
Sacramento	549,800	9,200	1.7%	42
Salt Lake City	390,800	10,100	2.6%	25
San Antonio	525,900	15,500	2.9%	21
San Diego	1,178,800	35,500	3.0%	20
San Francisco	2,197,800	134,000	6.1%	4
Seattle	1,222,000	49,900	4.1%	14
St. Louis	914,700	19,400	2.1%	31
Tampa-St. Petersburg	907,300	11,800	1.3%	47
Tucson	313,800	8,400	2.7%	24
Virginia Beach	653,200	11,700	1.8%	39
Washington	1,665,400	123,800	7.4%	3
Average			3.3%	
Minimum			0.6%	
Maximum			13.4%	
Total	55,021,900	2,683,300	4.9%	

Note: Outside New York City: Transit Market Share 6.2%

**Table T-3
URBAN AREA TRANSIT MARKET SHARE**

Urban Area	Employment	Transit Commuters	Market Share	Rank
Atlanta	1,766,900	70,100	4.0%	20
Austin	485,300	15,800	3.3%	27
Baltimore	982,500	70,800	7.2%	11
Boston	2,318,000	243,000	10.5%	5
Buffalo	431,900	17,100	4.0%	19
Charlotte	395,400	8,900	2.3%	37
Chicago	3,797,000	464,800	12.2%	3
Cincinnati	725,700	25,600	3.5%	23
Cleveland	825,400	40,100	4.9%	15
Columbus	583,800	16,600	2.8%	29
Dallas-Fort Worth	2,007,200	42,600	2.1%	38
Dayton	330,900	7,000	2.1%	39
Denver	1,034,500	48,900	4.7%	17
Detroit	1,743,300	33,600	1.9%	42
Hartford	404,100	14,400	3.6%	22
Honolulu	335,900	30,400	9.1%	7
Houston	1,715,400	63,100	3.7%	21
Indianapolis	609,100	9,500	1.6%	46
Jacksonville	426,400	6,900	1.6%	45
Kansas City	676,200	10,200	1.5%	47
Las Vegas	605,400	26,800	4.4%	18
Los Angeles	5,731,700	298,300	5.2%	14
Louisville	414,400	10,500	2.5%	34
Memphis	436,000	8,200	1.9%	43
Miami	2,084,600	66,400	3.2%	28
Milwaukee	623,300	30,200	4.9%	16
Minneapolis-St. Paul	1,286,500	68,600	5.3%	13
Nashville	377,500	4,800	1.3%	49
New Orleans	428,800	29,800	6.9%	12
New York	8,623,800	2,204,000	25.6%	1
Oklahoma City	351,600	2,100	0.6%	50
Orlando	574,900	11,200	2.0%	41
Philadelphia	2,339,500	230,000	9.8%	6
Phoenix	1,333,500	27,900	2.1%	40
Pittsburgh	794,300	63,000	7.9%	8
Portland	794,500	58,600	7.4%	10
Providence	547,000	13,800	2.5%	35
Richmond	403,400	9,600	2.4%	36
Rochester	324,400	9,100	2.8%	31
Sacramento	614,600	17,200	2.8%	30
Salt Lake City	433,700	15,200	3.5%	24
San Antonio	581,000	19,500	3.4%	26
San Diego	1,240,600	42,800	3.4%	25
San Francisco	2,503,400	285,400	11.4%	4
Seattle	1,377,100	104,000	7.6%	9
St. Louis	987,500	27,400	2.8%	32
Tampa-St. Petersburg	943,300	13,100	1.4%	48
Tucson	323,500	8,900	2.7%	33
Virginia Beach	679,300	12,700	1.9%	44
Washington	2,047,800	269,500	13.2%	2
Average			4.8%	
Minimum			0.6%	
Maximum			25.6%	

Table T-4
CBD: DENSITY OF TRANSIT COMMUTERS

Urban Area	Transit Commuters	Land Area	Density	Rank
Atlanta	18,600	2.17	8,600	21
Austin	3,300	1.59	2,100	40
Baltimore	19,500	1.09	17,900	12
Boston	133,600	1.23	108,600	2
Buffalo	3,600	0.38	9,500	20
Charlotte	2,300	0.73	3,200	33
Chicago	299,600	3.36	89,200	3
Cincinnati	12,300	0.71	17,300	14
Cleveland	19,100	1.54	12,400	17
Columbus	7,000	2.47	2,800	37
Dallas-Fort Worth	11,400	0.67	17,000	15
Dayton	1,500	1.16	1,300	45
Denver	26,800	1.53	17,500	13
Detroit	6,700	1.41	4,800	25
Hartford	5,900	1.41	4,200	30
Honolulu	8,100	0.75	10,800	18
Houston	25,700	1.53	16,800	16
Indianapolis	1,900	1.47	1,300	45
Jacksonville	1,400	1.68	800	49
Kansas City	2,700	0.98	2,800	37
Las Vegas	2,200	0.58	3,800	31
Los Angeles	28,100	1.25	22,500	11
Louisville	3,700	1.13	3,300	32
Memphis	800	0.61	1,300	45
Miami	9,000	2.91	3,100	35
Milwaukee	7,400	1.66	4,500	29
Minneapolis-St. Paul	31,700	0.72	44,000	8
Nashville	1,600	0.81	2,000	41
New Orleans	10,200	1.06	9,600	19
New York	1,283,400	7.82	164,100	1
Oklahoma City	100	0.33	300	50
Orlando	1,300	1.30	1,000	48
Philadelphia	102,000	1.71	59,600	6
Phoenix	2,300	0.50	4,600	27
Pittsburgh	31,300	0.66	47,400	7
Portland	23,700	1.04	22,800	10
Providence	2,700	0.51	5,300	24
Richmond	3,600	1.54	2,300	39
Rochester	2,200	0.68	3,200	33
Sacramento	8,000	1.26	6,300	22
Salt Lake City	5,100	1.07	4,800	25
San Antonio	4,000	1.37	2,900	36
San Diego	7,300	1.24	5,900	23
San Francisco	151,400	2.34	64,700	4
Seattle	54,100	1.48	36,600	9
St. Louis	8,000	1.73	4,600	27
Tampa-St. Petersburg	1,300	0.75	1,700	42
Tucson	500	0.30	1,700	42
Virginia Beach	1,000	0.61	1,600	44
Washington	145,700	2.30	63,300	5
Average			18,954	
Minimum			300	
Maximum			164,100	

**Table T-5
OUTSIDE CBD: DENSITY OF TRANSIT COMMUTERS**

Urban Area	Transit Commuters	Land Area	Density	Rank
Atlanta	51,500	1,960	30	24
Austin	12,500	317	40	17
Baltimore	51,300	682	80	8
Boston	109,400	2,123	50	12
Buffalo	13,500	366	40	17
Charlotte	6,600	434	20	30
Chicago	165,200	2,119	80	8
Cincinnati	13,300	671	20	30
Cleveland	21,000	645	30	24
Columbus	9,600	395	20	30
Dallas-Fort Worth	31,200	1,406	20	30
Dayton	5,500	322	20	30
Denver	22,100	497	40	17
Detroit	26,900	1,260	20	30
Hartford	8,500	468	20	30
Honolulu	22,300	153	150	2
Houston	37,400	1,294	30	24
Indianapolis	7,600	551	10	44
Jacksonville	5,500	409	10	44
Kansas City	7,500	583	10	44
Las Vegas	24,600	285	90	7
Los Angeles	270,200	2,242	120	4
Louisville	6,800	390	20	30
Memphis	7,400	399	20	30
Miami	57,400	1,113	50	12
Milwaukee	22,800	485	50	12
Minneapolis-St. Paul	36,900	893	40	17
Nashville	3,200	430	10	44
New Orleans	19,600	197	100	6
New York	920,600	4,341	210	1
Oklahoma City	2,000	322	10	44
Orlando	9,900	452	20	30
Philadelphia	128,000	1,798	70	10
Phoenix	25,600	799	30	24
Pittsburgh	31,700	852	40	17
Portland	34,900	473	70	10
Providence	11,100	503	20	30
Richmond	6,000	435	10	44
Rochester	6,900	294	20	30
Sacramento	9,200	368	30	24
Salt Lake City	10,100	230	40	17
San Antonio	15,500	406	40	17
San Diego	35,500	781	50	12
San Francisco	134,000	961	140	3
Seattle	49,900	952	50	12
St. Louis	19,400	827	20	30
Tampa-St. Petersburg	11,800	802	10	44
Tucson	8,400	291	30	24
Virginia Beach	11,700	526	20	30
Washington	123,800	1,154	110	5
Average			46	
Minimum			10	
Maximum			210	

**Table T-6
URBAN AREA: DENSITY OF TRANSIT COMMUTERS**

Urban Area	Transit Commuters	Land Area	Density	Rank
Atlanta	70,100	1,963	40	27
Austin	15,800	318	50	21
Baltimore	70,800	683	100	12
Boston	243,000	2,124	110	10
Buffalo	17,100	367	50	21
Charlotte	8,900	435	20	39
Chicago	464,800	2,123	220	4
Cincinnati	25,600	672	40	27
Cleveland	40,100	647	60	18
Columbus	16,600	398	40	27
Dallas-Fort Worth	42,600	1,407	30	30
Dayton	7,000	324	20	39
Denver	48,900	499	100	12
Detroit	33,600	1,261	30	30
Hartford	14,400	469	30	30
Honolulu	30,400	154	200	5
Houston	63,100	1,295	50	21
Indianapolis	9,500	553	20	39
Jacksonville	6,900	411	20	39
Kansas City	10,200	584	20	39
Las Vegas	26,800	286	90	14
Los Angeles	298,300	2,244	130	7
Louisville	10,500	391	30	30
Memphis	8,200	400	20	39
Miami	66,400	1,116	60	18
Milwaukee	30,200	487	60	18
Minneapolis-St. Paul	68,600	894	80	15
Nashville	4,800	431	10	49
New Orleans	29,800	198	150	6
New York	2,204,000	4,349	510	1
Oklahoma City	2,100	322	10	49
Orlando	11,200	453	20	39
Philadelphia	230,000	1,800	130	7
Phoenix	27,900	799	30	30
Pittsburgh	63,000	852	70	16
Portland	58,600	474	120	9
Providence	13,800	504	30	30
Richmond	9,600	437	20	39
Rochester	9,100	295	30	30
Sacramento	17,200	369	50	21
Salt Lake City	15,200	231	70	16
San Antonio	19,500	408	50	21
San Diego	42,800	782	50	21
San Francisco	285,400	963	300	2
Seattle	104,000	954	110	10
St. Louis	27,400	829	30	30
Tampa-St. Petersburg	13,100	802	20	39
Tucson	8,900	291	30	30
Virginia Beach	12,700	527	20	39
Washington	269,500	1,157	230	3
Average			76	
Minimum			10	
Maximum			510	

Table T-7
RATIO OF TRANSIT COMMUTER DENSITY: CBD TO URBAN AREA

Urban Area	CBD Transit Commuter Density	Urban Area Transit Commuter Density	CBD Transit Commuter Density Compared to Urban Area Transit Commuter Density	Rank
Atlanta	8,600	30	286.7	16
Austin	2,100	40	52.5	47
Baltimore	17,900	80	223.8	23
Boston	108,600	50	2,172.0	1
Buffalo	9,500	40	237.5	20
Charlotte	3,200	20	160.0	30
Chicago	89,200	80	1,115.0	3
Cincinnati	17,300	20	865.0	5
Cleveland	12,400	30	413.3	14
Columbus	2,800	20	140.0	33
Dallas-Fort Worth	17,000	20	850.0	7
Dayton	1,300	20	65.0	43
Denver	17,500	40	437.5	13
Detroit	4,800	20	240.0	19
Hartford	4,200	20	210.0	24
Honolulu	10,800	150	72.0	42
Houston	16,800	30	560.0	11
Indianapolis	1,300	10	130.0	34
Jacksonville	800	10	80.0	39
Kansas City	2,800	10	280.0	17
Las Vegas	3,800	90	42.2	49
Los Angeles	22,500	120	187.5	27
Louisville	3,300	20	165.0	29
Memphis	1,300	20	65.0	43
Miami	3,100	50	62.0	45
Milwaukee	4,500	50	90.0	38
Minneapolis-St. Paul	44,000	40	1,100.0	4
Nashville	2,000	10	200.0	26
New Orleans	9,600	100	96.0	37
New York	164,100	210	781.4	8
Oklahoma City	300	10	30.0	50
Orlando	1,000	20	50.0	48
Philadelphia	59,600	70	851.4	6
Phoenix	4,600	30	153.3	32
Pittsburgh	47,400	40	1,185.0	2
Portland	22,800	70	325.7	15
Providence	5,300	20	265.0	18
Richmond	2,300	10	230.0	21
Rochester	3,200	20	160.0	30
Sacramento	6,300	30	210.0	24
Salt Lake City	4,800	40	120.0	35
San Antonio	2,900	40	72.5	41
San Diego	5,900	50	118.0	36
San Francisco	64,700	140	462.1	12
Seattle	36,600	50	732.0	9
St. Louis	4,600	20	230.0	21
Tampa-St. Petersburg	1,700	10	170.0	28
Tucson	1,700	30	56.7	46
Virginia Beach	1,600	20	80.0	39
Washington	63,300	110	575.5	10
Average			349.1	
Minimum			30.0	
Maximum			2,172.0	

**Table T-8
CBD SHARE OF URBAN AREA TRANSIT COMMUTERS**

Urban Area	CBD Transit Commuters	Urban Area Transit Commuters	CBD Share of Urban Area Transit Commuters	Rank
Atlanta	18,600	70,100	26.5%	27
Austin	3,300	15,800	20.9%	34
Baltimore	19,500	70,800	27.5%	24
Boston	133,600	243,000	55.0%	3
Buffalo	3,600	17,100	21.1%	33
Charlotte	2,300	8,900	25.8%	29
Chicago	299,600	464,800	64.5%	1
Cincinnati	12,300	25,600	48.0%	9
Cleveland	19,100	40,100	47.6%	10
Columbus	7,000	16,600	42.2%	14
Dallas-Fort Worth	11,400	42,600	26.8%	25
Dayton	1,500	7,000	21.4%	32
Denver	26,800	48,900	54.8%	4
Detroit	6,700	33,600	19.9%	38
Hartford	5,900	14,400	41.0%	15
Honolulu	8,100	30,400	26.6%	26
Houston	25,700	63,100	40.7%	16
Indianapolis	1,900	9,500	20.0%	37
Jacksonville	1,400	6,900	20.3%	36
Kansas City	2,700	10,200	26.5%	28
Las Vegas	2,200	26,800	8.2%	47
Los Angeles	28,100	298,300	9.4%	45
Louisville	3,700	10,500	35.2%	19
Memphis	800	8,200	9.8%	44
Miami	9,000	66,400	13.6%	41
Milwaukee	7,400	30,200	24.5%	30
Minneapolis-St. Paul	31,700	68,600	46.2%	12
Nashville	1,600	4,800	33.3%	22
New Orleans	10,200	29,800	34.2%	20
New York	1,283,400	2,204,000	58.2%	2
Oklahoma City	100	2,100	4.8%	50
Orlando	1,300	11,200	11.6%	42
Philadelphia	102,000	230,000	44.3%	13
Phoenix	2,300	27,900	8.2%	46
Pittsburgh	31,300	63,000	49.7%	8
Portland	23,700	58,600	40.4%	17
Providence	2,700	13,800	19.6%	39
Richmond	3,600	9,600	37.5%	18
Rochester	2,200	9,100	24.2%	31
Sacramento	8,000	17,200	46.5%	11
Salt Lake City	5,100	15,200	33.6%	21
San Antonio	4,000	19,500	20.5%	35
San Diego	7,300	42,800	17.1%	40
San Francisco	151,400	285,400	53.0%	6
Seattle	54,100	104,000	52.0%	7
St. Louis	8,000	27,400	29.2%	23
Tampa-St. Petersburg	1,300	13,100	9.9%	43
Tucson	500	8,900	5.6%	49
Virginia Beach	1,000	12,700	7.9%	48
Washington	145,700	269,500	54.1%	5
Average			30.4%	
Minimum			4.8%	
Maximum			64.5%	
Total	2,544,700	5,228,000	48.7%	
National Transit Commuters	2,544,700	6,067,703	41.9%	