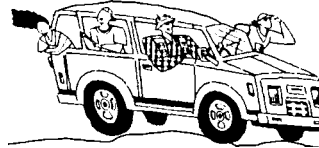


Traffic Trends

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This report presents a summary of the traffic trends for roadways in the Knoxville Urban Area. Included is information for Knoxville, Knox County, Farragut, Blount County, Maryville, and Alcoa.



data when deciding where to locate a new business/development or whether or not to expand an existing one.

Traffic counts are taken each year at the same location –called a station – using mechanical roadside data recorders. The traffic volume recorded at each station is converted to Average Daily Traffic (ADT) by multiplying by TDOT seasonal adjust-

ment factors to provide a count that represents an average day of traffic. Traffic volume information is collected annually at nearly 700 stations throughout Knox and Blount Counties by the Tennessee Department of Transportation (TDOT), the Metropolitan Planning Commission (MPC), the Metropolitan Planning Organization (MPO), and Knox County's Department of Engineering and Public Works. In addition, the City of Knoxville's Department of Engineering collects traf-

Developers, entrepreneurs, planners, and engineers all use traffic volume data to make decisions that affect the efficiency of the transportation system and the quality of life in the Knoxville Urban Area. Engineers and planners use this data for future road improvement design, traffic signal location, zoning and land use decisions, and to determine the impact of new development on existing services and facilities. Developers and entrepreneurs use the

Factors Affecting Changes in Traffic Volume

National information indicates that miles traveled on America's roadways is growing faster than population. In other words, in areas with population increases, traffic volume can be expected to rise at an even greater rate. Knox and Blount Counties have both experienced an escalation in population over the past 15 years. Knox

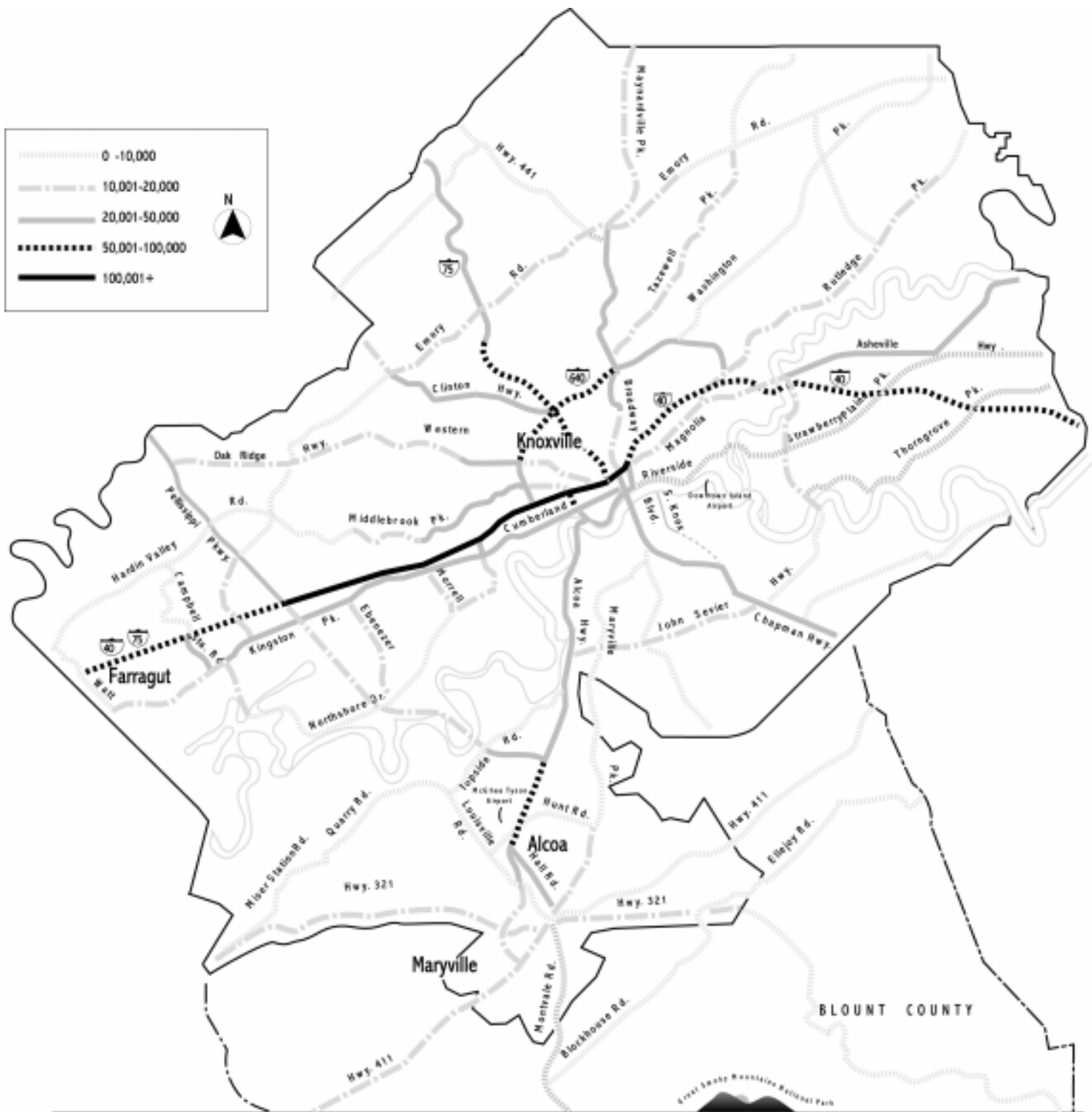
County population increased by 41,713 people and Blount County by 19,244 people from 1980 to 1995 (US Census). Growth in commercial development also increases traffic volume. The number of business establishments grew by nearly 3,300 in Knox County and by approximately 750 in Blount County over the period from 1980 to 1993 (US Census).

Shown below in Table 1 are locations with highest 1995 ADT and the top increases and decreases for actual

TABLE 1 Information on Major Roadways

Location	Change in Vehicle Trips			% Change in Vehicle Trips			Average Annual Growth in Vehicle Trips	
	'80-'95	'90-'95	'94-'95	'80-'95	'90-'95	'94-'95	'80-'95	'90-'95
I-40 NW of Asheville Hwy	48,062	14,640	15,218	126	20	21	3,184	2,207
I-40/75 W of Hollywood Rd	•	38,610	15,670	•	36	12	3,473	8,711
I-640 SW of Gap Rd	•	10,834	-4,251	•	23	-7	2,167	2,923
I-75 N of Inskip Dr	25,438	•	-11,146	90	•	-17	4,755	•
I-275 S of Heiskell Ave	-2,587	-2,233	720	-5	-4	1	1,040	-650
Pellissippi Pkwy S of Dutchtown Rd	21,713	7,761	1,714	154	28	5	1,478	1,502
US 321 W of Pershing St	•	2,384	-762	•	12	-22	•	713
US 321 W of Cates St	•	3,138	507	•	17	2	•	576
US 411 W of Clover Hill Ridge Rd	•	2,429	299	•	21	2	•	549
US 411 S of Montgomery Ln	•	2,157	7,199	•	14	66	•	-121
Alcoa Hwy S of I-40	543	-15	-2,244	51	-13	-4	1,967	-1,749
Alcoa Hwy N of Wright Rd	•	11,444	2,389	•	26	5	•	•

NOTE: Average Annual Growth in Vehicle Trips is calculated using the slope formula $\beta_1 = [SX_1Y_1 - (SX_1)(SY_1)/n] / [S(X^2)_1 - (SX_1)^2/n]$
• indicates incomplete data



MAP 1
 1995 ADT for Major Roadways
 in the Knoxville Urban Area

Map 1 shows the major roadways in the Urban Area categorized by 1995 ADT. The Interstate System, including I-40, I-75, I-640, I-275, and other major roadways including Pellissippi Parkway (State Route 162), Neyland Drive (State Route 158), US Highway 321, US Highway 411, and Alcoa Highway (US Highway 129), carry the highest traffic volumes.

MAP 2

Average Annual Growth in Vehicle Trips for Knox County by Sectors 1980-1995

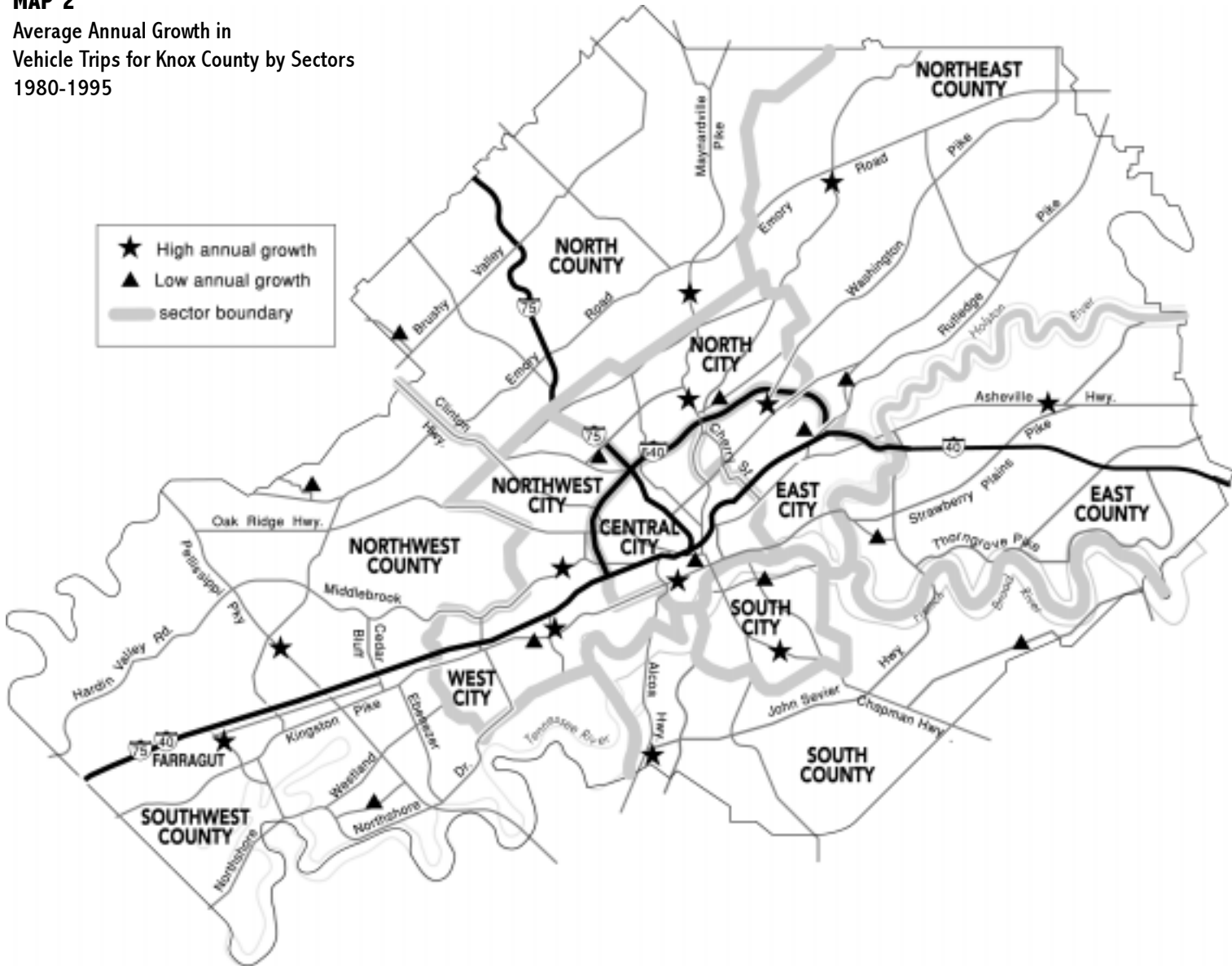


Table 2
Average Annual Growth in Vehicle Trips for Knox County by Sectors—1980-1995

Location	Average Annual Growth in Vehicle Trips	Location	Average Annual Growth in Vehicle Trips
Central Knoxville		East Knox County	
Western Ave E of Heins St	-495	Thorn Grove Pk E of John Sevier Hwy	-19
Alcoa Hwy between SR 1 and I-40	1,967	Asheville Hwy E of Molly Bright Rd	816
East Knoxville		North Knox County	
Rutledge Pk W of I-640	-57	Bell C' ground Rd N of Brushy Valley Dr	9
Washington Pk S of Valley View Dr	488	Maynardville Hwy N of Crippen Rd	799
North Knoxville		Northeast Knox County	
Greenway Dr E of Ena Rd	-27	Harris Rd SE of Woods Creek Rd	-9
Broadway S of Woodrow Dr	828	Tazewell Pk S of Fairview Rd	335
Northwest Knoxville		Southwest Knox County	
Merchants Dr W of I-75	304	Henderson Rd at the Anderson County Line	23
Middlebrook Pk W of Knott Rd	1,180	Pellissippi Pkwy S of Dutchtown Rd	1,478
South Knoxville		South Knoxville	
Sevier Ave W of Jones St	-430	Kimberlin Heights Dr W of Seven Islands Rd	6
Chapman Hwy N of Stone Rd	173	Alcoa Hwy at the Blount County Line	1,438
West Knoxville		Southwest Knox County	
Kingston Pk W of Weisgarber Rd	-118	Bluegrass Rd E of Northshore Dr	45
Northshore Dr S of Papermill Rd	568	Campbell Station Rd S of I-40	950



In 1958, the most traffic in Knox County, was on Broadway, Henley St, and Magnolia Ave with volumes ranging from the mid 20,000s to the mid 30,000s. The location with the highest volume was Henley St at the Henley St Bridge with a volume of 33,800.

In 1962, the volume on I-40 between Cedar Bluff Rd and Lovell Rd was 5,600.

In 1965, the volume on I-40 west of Hollywood Dr was 19,694. Today, those volumes have increased to 95,000 between Cedar Bluff Rd and Lovell Rd and to 145,000 west of Hollywood Dr.

Locations with the highest volumes in Blount County in 1982 were on Alcoa Hwy at 27,200, on the Bypass at 21,000, and on Hall Rd and Washington St at 18,000. Alcoa Hwy still has the highest volume at nearly 55,000.

Shown below are locations with highest 1995 ADT and the top increases and decreases for actual growth, percentage growth, and average growth in vehicle trips for Knox Blount Counties.

Highest 1995 ADT

This information shows those roads that had the highest volume of daily traffic in 1995.

Knox County		Blount County	
I-40 W of Hollywood Dr	145,720	Alcoa Hwy N of Wright Rd	54,660
I-40 E of Buckingham Dr Overpass	136,800		
Alcoa Hwy S of Hunt Rd	47,340		



For each of the following categories, the first two lines of information for each county show locations where the largest decreases occurred, and the third and fourth lines for each county show those areas where the largest increases occurred. Major decreases occurred mostly in areas where alternative transportation facilities have opened – such as the Henley Street Connector in Knox County – and where commercial and residential activities have slowed. Major increases are mostly occurring in the western portion of Knox County, along Alcoa Highway, and in outlying areas in Blount County. Changes over a one year period (1994-1995) may be due to construction or variations in counters. Occasionally, stations with large "Change in ADT" will not have corresponding "% Change in ADT."

Change in ADT from 1990 to 1995

Knox County		Blount County	
James White Pkwy @ Jackson Ave	-20,035	Old Maryville Pk N of Hunt Rd	-2,453
Oak St S of I-40/75 Interchange	-14,423	Wright Rd N of Harrison St	-1,652
I-40 W of Winston Rd Overpass	42,060	Alcoa Hwy S of Hunt Rd	11,239
I-40 E of Liberty St	51,060	Alcoa Hwy N of Wright Rd	11,444

Change in ADT from 1994 to 1995

Knox County		Blount County	
Oak St S of I-40/75 Interchange	-17,035	Hall Rd N of Harper Ave	-9,237
Kingston Pk W of Neyland Dr	-16,380	Cusick St N of McCammon Ave	-5,199
I-40 E of Cedar Bluff Rd	43,986	Broadway S of Montgomery Ln	7,199
I-40 E of Liberty St	44,346	US 321 E of Broadway	7,975

% Change in ADT from 1990 to 1995

Knox County		Blount County	
Oak St S of I-40/75 Interchange	-90%	Wright Rd N of Harrison St	-41%
Andersonville Pk E of Norris Frwy	-67%	Davis Rd N of Old Chilhowee Rd	-40%
Admiral Dr N of Kingston Pk	174%	Wears Valley Rd E of Rudd Hollow Rd	303%
Bell Rd S of Emory Rd	182%	Calderwood Hwy S of Railroadbed Rd	600%

% Change in ADT from 1994 to 1995

Knox County		Blount County	
Oak St S of I-40/75 Interchange	-91%	Court St S of Church Ave	-41%
Andersonville Pk E of Norris Frwy	-70%	Broadway W of Everett Ave	-34%
Rifle Range Rd E of Dry Gap Pk	102%	Old Cades Cove Rd W of Middle Prong Rd	144%
Sherrill Blvd E of Hospital Exit	109%	Wears Valley Rd E of Rudd Hollow Rd	173%

Average Annual Growth in Vehicle Trips —1990 to 1995

Knox County		Blount County	
Henley St N of Henley St Bridge	-2396	Wright Rd N of Harrison St	-405
Alcoa Hwy @ the Tennessee River	-2287	US 321 E of Broadway	-256
I-40 E of Liberty St	7463	Alcoa Hwy N of Wright Rd	2,337
I-40 W of Hollywood Dr	8711	Alcoa Hwy S of Hunt Rd	2,446



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